

Gregory Knapp  
Director Environmental Affairs, Region West  
12667 Alcosta Blvd , San Ramon, CA 94583  
(925) 244-6570

March 2, 2015

Mr. Rob Eastwood  
Principal Planner, County of Santa Clara  
Santa Clara County Planning Department

RE: Pond 30 February Stormwater Results

Dear Mr. Eastwood

Attached are the lab sheets for the February 2015 stormwater analysis results from discharge out of Pond 30. An explanation of these is as follows:

*Sample Date February 7*

Total Recoverable Selenium: 31 micrograms/liter (ug/L or parts per billion)  
Mercury 0.042 ug/L  
Oil & Grease: Non Detect (ND)  
Settleable Solids: 0.1 milliliters per liter/hour (ml/L-hr)  
Total Suspended Solids (TSS): 23 milligrams/liter (mg/L)  
Hexavalent chromium ("Chromium 6"): 2.5 ug/L  
Total Recoverable Nickel: 9.0 ug/L  
Thallium: 0.12 ug/L

Any page labeled "Quality Control" indicates reported laboratory method tests using spiked samples to assure actual result accuracy. These results are not actual samples from Pond 30. Any page labeled "Chain of Custody" indicates the transfer of samples from the field through the various laboratories.

Please contact me with any questions.



Gregory Knapp  
Director Environmental Affairs  
Lehigh Hanson Region West



Date of Report: 02/26/2015

George Wegmann

Golder Associates

425 Lakeside Drive  
Sunnyvale, CA 94085

Client Project: 063-7109-916

BCL Project: Lehigh NPDES

BCL Work Order: 1503204

Invoice ID: B196722

Enclosed are the results of analyses for samples received by the laboratory on 2/9/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Sandoval  
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

**Golder Associates**  
**CHAIN OF CUSTODY**



Page 1 of 1  
Quotation No. 15-03204

PROJECT NO.: <u>063-7109-916</u>		SITE NAME: (Quarterly) <u>Lehigh APPDES</u>		ANALYSES		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No EDD required?		
SAMPLER(S): <u>David Walter</u>		SAMPLER(S): <u>David C. Valt</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No EDF required?				
CONTRACT LABORATORY: <u>BC Labs</u>		Container Info		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No EDD required?				
TURN-AROUND TIME: <u>Standard</u>		Collection Date		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No EDF required?				
Sample I.D.	Lab I.D.	Date	Collection Time	Matrix	Depth	Type/Vol.		Remarks
						Filter	Preserv.	
<u>EFF-005</u>	<u>-1</u>	<u>2-7-15</u>	<u>1000</u>	<u>w</u>		<u>1</u>	<u>1</u>	
<u>EFF-006</u>	<u>-2</u>	<u>1040</u>		<u>↓</u>		<u>1</u>	<u>1</u>	
<u>EFF-003</u>	<u>-3</u>	<u>1130</u>		<u>↓</u>		<u>1</u>	<u>1</u>	
<u>FB-27-15</u>	<u>-4</u>	<u>2-7-15</u>	<u>1000</u>	<u>w</u>		<u>1</u>	<u>1</u>	

Tot Set Marker  
0+G  
C+G  
Hg  
N:15e/71

1L 1L 200ml Sp. in Sp. in  
N N N N  
N N N N  
- HEL - HADZ

SHORT HOLDING TIME  
Cr+6 NO2 NO3 OP SS  
DO Cl2 BOD MBAS GOT

CHK BY DISTRIBUTION  
SUB-OUT

Relinquished by (signature) <u>David C. Valt</u>	Received by (signature) <u>[Signature]</u>	Date/Time: <u>29 15 1000</u>	SEND RESULTS TO: Attn: <u>George Wegmann, Greg Knapp, Chow H</u>
Relinquished by (signature)	Received by (signature)	Date/Time:	Golder Associates Inc. 425 Lakeside Drive Sunnyvale, CA 94085 Phone (408) 220-9223 Fax (408) 220-9224

white: lab copy yellow: project file Shipped via Fed Ex

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 1 Of 1

Submission #: 15-03204

**SHIPPING INFORMATION**  
 Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

**SHIPPING CONTAINER**  
 Ice Chest  None  Box   
 Other  (Specify) \_\_\_\_\_

**FREE LIQUID**  
 YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

**COC Received**  
 YES  NO

Emissivity: 0.97 Container: PE Thermometer ID: 208 Date/Time 2915 1000  
 Temperature: (A) 0.9 °C (C) 0.7 °C Analyst Init MMB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL	A	A	A							
PT PE UNPRESERVED 2oz Crtb	B	B	B							
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS	C	C	C							
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 413.1-1064	D	D	D							
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR	E	E	E	A						
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: MMB Date/Time: 2/9/15 @ 1115 [S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMREC]  
 A = Actual / C = Corrected



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1503204-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	02/09/2015 10:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	02/07/2015 10:00
	<b>Sampling Location:</b>	EFF-005	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	EFF-005	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	David Walter	<b>Sample Type:</b>	Water
1503204-02	<b>COC Number:</b>	---	<b>Receive Date:</b>	02/09/2015 10:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	02/07/2015 10:40
	<b>Sampling Location:</b>	EFF-006	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	EFF-006	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	David Walter	<b>Sample Type:</b>	Water
1503204-03	<b>COC Number:</b>	---	<b>Receive Date:</b>	02/09/2015 10:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	02/07/2015 11:30
	<b>Sampling Location:</b>	EFF-003	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	EFF-003	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	David Walter	<b>Sample Type:</b>	Water
1503204-04	<b>COC Number:</b>	---	<b>Receive Date:</b>	02/09/2015 10:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	02/07/2015 10:00
	<b>Sampling Location:</b>	FB-2-7-15	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	FB-2-7-15	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	David Walter	<b>Sample Type:</b>	Blank Water

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

### EPA Method 1664

<b>BCL Sample ID:</b> 1503204-02	<b>Client Sample Name:</b> EFF-006, EFF-006, 2/7/2015 10:40:00AM, David Walter
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Oil and Grease	ND	mg/L	5.0	1.2	EPA-1664A HEM	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-1664A HEM	02/11/15	02/11/15 09:45	MAM	MAN-SV	1	BYB1255

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

### Water Analysis (General Chemistry)

<b>BCL Sample ID:</b> 1503204-02	<b>Client Sample Name:</b> EFF-006, EFF-006, 2/7/2015 10:40:00AM, David Walter
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Suspended Solids (Glass Fiber)	23	mg/L	0.50	0.50	SM-2540D	ND		1
Settleable Solids	0.10	ml/L-hr	0.10	0.10	SM-2540F		S05	2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	SM-2540D	02/11/15	02/11/15 15:15	VV1	MANUAL	1.053	BYB1003
2	SM-2540F	02/10/15	02/10/15 07:15	HPR	KONE-1	1	BYB0911

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

### Metals Analysis

<b>BCL Sample ID:</b> 1503204-02	<b>Client Sample Name:</b> EFF-006, EFF-006, 2/7/2015 10:40:00AM, David Walter							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Hexavalent Chromium	2.5	ug/L	0.20	0.055	EPA-218.6	0.074		1
Total Recoverable Nickel	9.0	ug/L	2.0	0.19	EPA-200.8	ND		2
Total Recoverable Selenium	31	ug/L	2.0	0.19	EPA-200.8	ND		2
Total Recoverable Thallium	0.12	ug/L	1.0	0.10	EPA-200.8	ND	J	2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-218.6	02/09/15	02/09/15 21:14	BMW	IC-4	1	BYB0742
2	EPA-200.8	02/11/15	02/12/15 05:35	EAR	PE-EL2	1	BYB0967

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.





Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

### EPA Method 1664

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BYB1255</b>						
Oil and Grease	BYB1255-BLK1	ND	mg/L	5.0	1.2	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

### EPA Method 1664

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BYB1255</b>										
Oil and Grease	BYB1255-BS1	LCS	33.950	40.200	mg/L	84.5		78	114	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

### EPA Method 1664

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: BYB1255</b>		Used client sample: N									
Oil and Grease	DUP	1428224-89	ND	ND		mg/L			18		
	MS	1428224-89	ND	37.950	40.200	mg/L		94.4		78 - 114	
	MSD	1428224-89	ND	37.600	40.200	mg/L	0.9	93.5	18	78 - 114	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

## Water Analysis (General Chemistry)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BYB1003</b>						
Total Suspended Solids (Glass Fiber)	BYB1003-BLK1	ND	mg/L	0.50	0.50	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: BYB0911</b>		Used client sample: Y - Description: EFF-005, 02/07/2015 10:00									
Settleable Solids	DUP	1503204-01	5.1000	5.1000		ml/L-hr	0			10	
<b>QC Batch ID: BYB1003</b>		Used client sample: Y - Description: EFF-005, 02/07/2015 10:00									
Total Suspended Solids (Glass Fiber)	DUP	1503204-01	1855.0	1854.0		mg/L	0.1			10	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

## Metals Analysis

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BYB0742</b>						
Hexavalent Chromium	BYB0742-BLK1	0.074000	ug/L	0.20	0.055	J
<b>QC Batch ID: BYB0967</b>						
Total Recoverable Nickel	BYB0967-BLK1	ND	ug/L	2.0	0.19	
Total Recoverable Selenium	BYB0967-BLK1	ND	ug/L	2.0	0.19	
Total Recoverable Thallium	BYB0967-BLK1	ND	ug/L	1.0	0.10	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

## Metals Analysis

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BYB0742</b>										
Hexavalent Chromium	BYB0742-BS1	LCS	19.993	20.000	ug/L	100		90 - 110		
<b>QC Batch ID: BYB0967</b>										
Total Recoverable Nickel	BYB0967-BS1	LCS	103.00	100.00	ug/L	103		85 - 115		
Total Recoverable Selenium	BYB0967-BS1	LCS	102.14	100.00	ug/L	102		85 - 115		
Total Recoverable Thallium	BYB0967-BS1	LCS	39.423	40.000	ug/L	98.6		85 - 115		

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

Reported: 02/26/2015 10:12  
Project: Lehigh NPDES  
Project Number: 063-7109-916  
Project Manager: George Wegmann

### Metals Analysis

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	Percent Recovery	
<b>QC Batch ID: BYB0742</b>		Used client sample: N								
Hexavalent Chromium	DUP	1503198-01	1.2030	1.1140		ug/L	7.7		10	
	MS	1503198-01	1.2030	22.104	20.202	ug/L		103	90 - 110	
	MSD	1503198-01	1.2030	22.268	20.202	ug/L	0.7	104	10	90 - 110
<b>QC Batch ID: BYB0967</b>		Used client sample: N								
Total Recoverable Nickel	DUP	1503050-08	1.6810	1.6340		ug/L	2.8		20	J
	MS	1503050-08	1.6810	84.539	100.00	ug/L		82.9	70 - 130	
	MSD	1503050-08	1.6810	82.349	100.00	ug/L	2.6	80.7	20	70 - 130
Total Recoverable Selenium	DUP	1503050-08	0.41700	ND		ug/L			20	
	MS	1503050-08	0.41700	105.75	100.00	ug/L		105	70 - 130	
	MSD	1503050-08	0.41700	102.74	100.00	ug/L	2.9	102	20	70 - 130
Total Recoverable Thallium	DUP	1503050-08	ND	ND		ug/L			20	
	MS	1503050-08	ND	43.080	40.000	ug/L		108	70 - 130	
	MSD	1503050-08	ND	41.561	40.000	ug/L	3.6	104	20	70 - 130

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.





www.basiclab.com

2218 Railroad Avenue voice 530.243.7234  
Redding, California 96001 fax 530.243.7494

3860 Morrow Lane, Suite F voice 530.894.8966  
Chico, California 95928 fax 530.894.5143

February 24, 2015

**Lab ID: 15B0501**

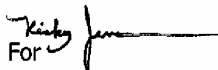
VANESSA SANDOVAL  
B C LABORATORIES INCORPORATED  
4100 ATLAS COURT  
BAKERSFIELD, CA 93308  
RE: HG 1631 TESTING 1503204

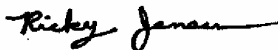
Dear VANESSA SANDOVAL ,

Enclosed are the analysis results for Work Order number 15B0501. All analysis were performed under strict adherence to our established Quality Assurance Plan. Any abnormalities are listed in the qualifier section of this report.

If you have any questions regarding these results, please feel free to contact us at any time. We appreciate the opportunity to service your environmental testing needs.

Sincerely,

  
For



Ricky D. Jensen  
Laboratory Director

California ELAP Certification Number 1677



www.basiclab.com

2218 Railroad Avenue Redding, California 96001 voice 530.243.7234 fax 530.243.7494

3860 Morrow Lane, Suite F Chico, California 95928 voice 530.894.8966 fax 530.894.5143

Report To: B C LABORATORIES INCORPORATED 4100 ATLAS COURT BAKERSFIELD, CA 93308 Attention: VANESSA SANDOVAL Project: HG 1631 TESTING 1503204

Lab No: 15B0501 Reported: 02/24/15 Phone: (661) 327-4911 P.O. #

Metals - Total

Table with columns: Analyte, Units, Results, Qualifier, MDL, RL, Method, Analyzed, Prepared, Batch. Rows include Mercury samples for 1503204-01, 1503204-02, 1503204-03, and 1503204-04.

Quality Control Data

Table with columns: Analyte, Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Qualifier.

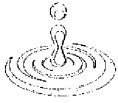
Metals - Total

Batch B5B1112 - BrCl Digestion

Table with columns: Analyte, Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Qualifier. Rows include Blank and Matrix Spike samples.

Handwritten signature of Kirby James

Approved By Basic Laboratory, Inc. California ELAP Cert #1677 and #2718



basic  
laboratory

www.basiclab.com

2218 Railroad Avenue voice 530.243.7234  
Redding, California 96001 fax 530.243.7494

3860 Morrow Lane, Suite F voice 530.894.8966  
Chico, California 95928 fax 530.894.5143

**Report To:** B C LABORATORIES INCORPORATED  
4100 ATLAS COURT  
BAKERSFIELD, CA 93308  
**Attention:** VANESSA SANDOVAL  
**Project:** HG 1631 TESTING 1503204

**Lab No:** 15B0501  
**Reported:** 02/24/15  
**Phone:** (661) 327-4911  
**P.O. #**

#### Notes and Definitions

QC-08	An increased concentration of BrCl was necessary to fully oxidize this sample. As required by EPA 1631E, a laboratory method blank containing the additional BrCl was analyzed with the sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
<	Less than reporting limit
≤	Less than or equal to reporting limit
>	Greater than reporting limit
≥	Greater than or equal to reporting limit
MDL	Method Detection Limit
RL/ML	Minimum Level of Quantitation
MCL/AL	Maxlum Contaminant Level/Action Level
mg/kg	Results reported as wet weight
TTL	Total Threshold Limit Concentration
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leachate Procedure
Note 1	Received Temperature - according to EPA guidelines, samples for most chemistry methods should be held at ≤6 degrees C after collection, including during transportation, unless the time from sampling to delivery is <2 hours. Regulating agencies may invalidate results if temperature requirements are not met.
Note 2	According to 40 CFR Part 136 Table II, the following tests should be analyzed in the field within 15 minutes of sampling: pH, chlorine, dissolved oxygen, and sulfite.

Approved By

Basic Laboratory, Inc.  
California ELAP Cert #1677 and #2718

Page 3 of 3

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



SUBCONTRACT ORDER 15B0501  
BC Laboratories  
1503204

1 15B0501

**SENDING LABORATORY:**

BC Laboratories  
4100 Atlas Court  
Bakersfield, CA 93308  
Phone: 661-327-4911  
FAX: 661-327-1918  
Project Manager: Vanessa Sandoval

**RECEIVING LABORATORY:**

Basic Laboratory, Inc.  
2218 Railroad Ave.  
Redding, CA 96001  
James E. Hawley  
Phone: 530-243-7234  
FAX: --

Due 2-2015 BSCLB

Analysis	Due	Expires	Comments
<b>Sample ID: 1503204-01</b> EPA 1631 - Mercury Containers supplied:	<b>Water</b> 02/24/15 17:00	<b>Sampled: 02/07/15 10:00</b> 08/07/15 10:00	Standard TAT 6.8°C
<b>Sample ID: 1503204-02</b> EPA 1631 - Mercury Containers supplied:	<b>Water</b> 02/24/15 17:00	<b>Sampled: 02/07/15 10:40</b> 08/07/15 10:40	Standard TAT 7.8°C
<b>Sample ID: 1503204-03</b> EPA 1631 - Mercury Containers supplied:	<b>Water</b> 02/24/15 17:00	<b>Sampled: 02/07/15 11:30</b> 08/07/15 11:30	Standard TAT 8.3°C
<b>Sample ID: 1503204-04</b> EPA 1631 - Mercury Containers supplied:	<b>Water</b> 02/24/15 17:00	<b>Sampled: 02/07/15 10:00</b> 08/07/15 10:00	Standard TAT 9.6°C

Released By Date 2/9/15 Received By T. Wilhelmson Date 2/10/15 13:50  
 Released By P. Oller Date 2-11-15 Received By Date 16:56

BSCLB



Golder Associates  
425 Lakeside Drive  
Sunnyvale, CA 94085

**Reported:** 02/26/2015 10:12  
**Project:** Lehigh NPDES  
**Project Number:** 063-7109-916  
**Project Manager:** George Wegmann

**Notes And Definitions**

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected at or above the reporting limit
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference
- A07 PQL's were raised due to sample dilution caused by high analyte concentration or matrix interference.
- S05 The sample holding time was exceeded.