

April 21, 2014

Mr. Tom Hutchings

City of Flint Water Pollution Water Pollution Control Facilities G4652 Beecher Rd. Flint, MI, 48532

RE: Discharge Permit Submittal–January 2014 through March 2014 Permit No.: 6-08-04-04-GML1

FILE: 15388/51440/Docs

Dear Mr. Hutchings:

In accordance with requirements of the above referenced discharge permit, we are providing you with the following discharge information for the period January 1, 2014 to March 31, 2014 for the Coldwater Road Landfill facility, located at 6220 Horton Avenue, Flint, Michigan.

- Periodic Report on Continued Compliance, certification
- Periodic Report on Continued Compliance (Table 1)
- Daily Discharge Summary Table (Table 2)
- Analytical Reports provided by Merit Laboratories, Inc. for samples from the on-site, above ground collection tank collected on
- Copy of Chain-of-Custody forms.

The laboratory analytical results indicate concentrations were below the Sewer Use Permit limits for the parameters analyzed for the water discharged to the POTW during the discharge period.

Please call me at 248-477-5701 x16 if you have any questions.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

ford Scott yout

Clifford S. Yantz Scientist-3

cc: Mr. Kevin Forbes – Beecher Metropolitan District, Flint, MI Mr. Grant Trigger – RACER Trust Mr. David Favero – RACER Trust Mr. Kevin Schneider – O'Brien & Gere

37000 Grand River Avenue, Suite 260, Farmington Hills, MI 48335 | p 248-477-5701 | f 248-477-5962 | www.obg.com

City of Flint Industrial Pretreatment Program

Periodic Report on Continued Compliance

Company Name: RACER Trust, Coldwater Road Street Address: 6220 Horton Avenue, Flint, Michigan Permit Number: 6-08-04-04-GML1 Outfall Number: 001

Reporting Period: ______ January 1, 2014 through March 31, 2014

Average Volume of Daily Discharge (during reporting period): <u>1,435 gallons</u>. (1 day)

Complete the following:

D

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name of Authorized Representative:	Clifford Yantz
•	Scientist-3, O'Brien & Gere Engineers, Inc. As agent for the RACER Trust
Signature of Authorized Representative:	
Date Signed by Authorized Representative:	

If required to implement a Toxic Organics Management Plan (TOMP), complete the following:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last Periodic Report on Continued Compliance. I further certify that, this facility is implementing the toxic organic management plan submitted to the control authority."

Name of Authorized Representative: _	N/A
Title of Authorized Representative:	N/A
Signature of Authorized Representative:	N/A
ate Signed by Authorized Representative:	N/A

Table 1Coldwater Road LandfillCity of Flint Sewer User Self-Monitoring ReportFirst Quarter - 20146-08-04-04-GML1

			City of Fli		User Self-Monitori ter Road Facility	ing Rep	port						
Analytical Parameter	Ammonia-N	QL*	BOD	QL*	HEM	QL*	рН	QL*	TP	QL*	TSS	0	
Units	mg/L		mg/L		mg/L		SU		mg/L		mg/L		
Sampling Frequency	Sample one (1) b accumulated was prior to discharge every three (3) m	tewater e, once	Sample one (1) ba accumulated wastewat discharge, once every months.	er prior to	Sample one (1) ba accumulated wast prior to discharge every three (3) mo	ewater , once	Sample one (1) accumulated was prior to discharg every three (3) r	stewater le, once	Sample one (1) accumulated wa prior to dischar every three (3)	astewater ge, once	Sample one (1) I accumulated was prior to discharg every three (3) n	stew je, o	
Daily Maximum Limit	37		427		100		N/A		7		305		
Maximum Limit	N/A		N/A		N/A		10.5		N/A		N/A		
Minimum Limit	N/A		N/A		N/A		6.0		N/A		N/A		
Monthly Average Limit	N/A		N/A		N/A		N/A		N/A		N/A		
Test Result	8.80	0.02	66	1	1	1	8.64	0.01	0.42	0.01	38		
Test Method	4500-NH3 D		10360		1664A		4500-H+ B		4500-PE		2540 D		
Test Date	13-Feb-14		18-Feb-13		18-Feb-14		13-Feb-14		18-Feb-14		17-Feb-14		
Sample Date	13-Feb-14		13-Feb-14		13-Feb-14		13-Feb-14		13-Feb-14		13-Feb-14		
Sample Type	wastewater		wastewater		wastewater		wastewater		wastewater		wastewater		
Test Result													
Test Method													
Test Date													
Sample Date													
Sample Type													
Test Result													
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Sample Type													
Average Daily Conc.	8.800		66.000		1.000		8.640		0.420		38.000		
Monthly Average Conc.	N/A		N/A		N/A		N/A		N/A		N/A		
No. of Samples	1		1		1		1		1		1		
umber of Limit Exceedances	0		0		0		0		0		0		

E1 = Limit Exceedance; E2 = Sample Expired

Table 1Coldwater Road LandfillCity of Flint Sewer User Self-Monitoring ReportFirst Quarter - 20146-08-04-04-GML1

							r Self-Monitoring Road Facility	Report						
Analytical Parameter	Arsenic	QL*	Chromiun	QL*	Copper	QL*	Mercury	QL*	Nickel	QL*	Zinc	QL*	Amenable Cyanide	QL
Units	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
Sampling Frequency	Sample one (1) accumulated wa prior to dischar every three (3)	astewater ge, once	Sample one (1) accumulated wa prior to discharg every three (3)	stewater ge, once	Sample one (1) accumulated wa prior to dischar every three (3)	astewater ge, once	Sample one (1 accumulated w prior to dischau every three (3)	astewater ge, once	Sample one (1) b accumulated was prior to discharge every three (3) m	tewater e, once	Sample one (1) b accumulated was prior to discharge every three (3) m	tewater e, once	Sample one (1) bate accumulated wastewat to discharge, once eve (3) months.	iter pi
Daily Maximum Limit	0.048		0.319		3.12		0.0000	2	0.795		0.445		N/A	
Maximum Limit	N/A		N/A		N/A		N/A		N/A		N/A		0.087	
Minimum Limit	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Monthly Average Limit	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Test Result	0.024	0.002	0.042	0.005	1.78	0.004	0.000	0.0002	0.415	0.005	0.017	0.005	0.000	0.0
Test Method	200.8		200.8		200.8		245.1		200.8		200.8		335.4/4500-CN-G	
Test Date	26-Feb-14		26-Feb-14		26-Feb-14		14-Feb-14		26-Feb-14		26-Feb-14		19-Feb-14	
Sample Date	13-Feb-14		13-Feb-14		13-Feb-14		13-Feb-14				13-Feb-14		13-Feb-14	
Sample Type	wastewater		wastewater		wastewater		wastewater	wastewater wastewater			wastewater			
Test Result														
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Average Daily Conc.	0.024		0.042		1.780		0.000		0.415		0.017		0.000	
Monthly Average Conc.	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
No. of Samples	1		1		1		1		1		1		1	
umber of Limit Exceedances	0		0		0		0		0		0		0	

E1 = Limit Exceedance; E2 = Sample Expired

Table 2 Coldwater Road Landfill Daily Discharge Summary Table First Quarter - 2014 6-08-04-04-GML1

	Beginning Flow	End Flow	End Flow Gallons Begin Time End Time Average Flow Temperature a						
Date	Meter Reading	Meter Reading	Discharged	of Discharge	of Discharge	(gal/min)	(C)	(F)	рН
3/14/2014	488,091	489,526	1,435	12:00	13:10	20.5	8.6	47.5	7.76

Total Discharge Volume: 1,435

Average Volume per Discharge: 1,435

NOTES :



Analytical Laboratory Report

Report ID: S59997.01(01) Generated on 02/26/2014

Report to

Attention: Clifford Yantz O'Brien & Gere Engineers, Inc. 37000 Grand River Ave. Suite 260 Farmington, MI 48335

Phone: 248-477-5701 FAX: Email: Clifford.Yantz@obg.com

Addtional Contacts: Kevin Schneider

Report Summary

Lab Sample ID(s): S59997.01 Project: RACER Coldwater Rd Landfill Collected Date: 02/13/2014 Submitted Date/Time: 02/13/2014 14:00 Sampled by: Kevin Schneider P.O. #: 11311200 Report produced by

Merit Laboratories, Inc. 2680 East Lansing Drive East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions: Kevin George (kgeorge@meritlabs.com) Barbara Ball (bball@meritlabs.com)

Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc..

Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002) IN Drinking Water (#C-MI-07), NELAC NY (#11814), NCDENR (#680), NC Drinking Water (#26702) Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshad

Violetta F. Murshak Laboratory Director



Analytical Laboratory Report

Sample Sumr	nary (1 samples)		
Sample ID	Sample Tag	Matrix	Collected Date/Time
S59997.01	O1-PRCC-14	Wastewater	02/13/2014 11:00



Analytical Laboratory Report

Lab Sample ID: S59997.01 Sample Tag: O1-PRCC-14 Collected Date/Time: 02/13/2014 11:00 Matrix: Wastewater COC Reference: 82199

Sample Containers

1 1L Plastic None Yes 4.7 IR 1 250ml Plastic H2SO4 Yes 4.7 IR 1 125ml Plastic HNO3 Yes 4.7 IR 1 125ml Plastic NaOH Yes 4.7 IR 1 125ml Plastic NaOH Yes 4.7 IR 1 32oz Glass HCL Yes 4.7 IR Analysis Results Units RL Method Run Date/Time Analyst CAS # Flags Extraction / Prep. Flags Hethod Run Date/Time Analyst CAS # Flags	#	Туре	Preservative(s)		Refrigerated?	Arrival Ten	np. (C) Therm	ometer #			
1 125ml Plastic HNO3 Yes 4.7 IR 1 125ml Plastic NaOH Yes 4.7 IR 1 125ml Plastic NaOH Yes 4.7 IR 1 32oz Glass HCL Yes 4.7 IR Analysis Results Units RL Method Run Date/Time Analyst CAS # Flags	1	1L Plastic	None		Yes	4.7	IR				
1 125ml Plastic NaOH Yes 4.7 IR 1 32oz Glass HCL Yes 4.7 IR Analysis Results Units RL Method Run Date/Time Analyst CAS # Flags	1	250ml Plastic	H2SO4		Yes	4.7	IR				
1 32oz Glass HCL Yes 4.7 IR Analysis Results Units RL Method Run Date/Time Analyst CAS # Flags	1	125ml Plastic	HNO3		Yes	4.7	IR				
Analysis Results Units RL Method Run Date/Time Analyst CAS # Flags	1	125ml Plastic	NaOH		Yes	4.7	IR				
	1	32oz Glass	HCL		Yes	4.7	IR				
Extraction / Prep.	Ana	lysis		Results	Units	RL	Method	Run Date/Time	Analys	st CAS #	Flags
	Ext	raction / Prep.									
Mercury DigestionCompletedE245.102/14/14 11:29CCM	Mer	cury Digestion		Completed			E245.1	02/14/14 11:29	CCM		
Metal Digestion Completed SW3015A 02/26/14 13:20 JRH	Met	al Digestion		Completed			SW3015A	02/26/14 13:20	JRH		
Inorganics	Ino	rganics									
Amenable Cyanide Not detected mg/L 0.005 E335.4/SM4500-CN02/19/14 13:22 JDP 57-12-5AM 1	Ame	enable Cyanide		Not detected	mg/L	0.005	E335.4/SM4500)-CN02/19/14 13:22	JDP	57-12-5AM	1
Ammonia-N (Undistilled) 8.8 mg/L 0.2 SM4500-NH3 D 02/13/14 17:07 MJC 7664-41-7	Amr	monia-N (Undistilled)		8.8	mg/L	0.2	SM4500-NH3 D	0 02/13/14 17:07	MJC	7664-41-7	
Oil & Grease n-Hexane Extract. 1 mg/L 1 E1664A 02/18/14 12:00 RGS	Oil 8	& Grease n-Hexane Extract.		1	mg/L	1	E1664A	02/18/14 12:00	RGS		
TBOD5 - Set Completed mg/L 10360 02/13/14 16:15 ASB	TBC	DD5 - Set		Completed	mg/L		10360	02/13/14 16:15	ASB		
TBOD5 66 mg/L 1 10360 02/18/14 16:30 ASB	TBC	DD5		66	mg/L	1	10360	02/18/14 16:30	ASB		
Total Phosphorus 0.42 mg/L 0.05 SM4500-PE 02/18/14 16:11 MJC 7723-14-0	Tota	al Phosphorus		0.42	mg/L	0.05	SM4500-PE	02/18/14 16:11	MJC	7723-14-0	
Total Suspended Solids 38 mg/L 1 SM2540D 02/17/14 17:15 ASB	Tota	al Suspended Solids		38	mg/L	1	SM2540D	02/17/14 17:15	ASB		
Metals	Mei	tals									
Arsenic 0.024 mg/L 0.002 E200.8 02/26/14 15:55 JRH 7440-38-2	Arse	enic		0.024	mg/L	0.002	E200.8	02/26/14 15:55	JRH	7440-38-2	
Chromium 0.042 mg/L 0.005 E200.8 02/26/14 15:55 JRH 7440-47-3	Chr	omium		0.042	mg/L	0.005	E200.8	02/26/14 15:55	JRH	7440-47-3	
Copper 1.78 mg/L 0.004 E200.8 02/26/14 15:55 JRH 7440-50-8	Сор	per		1.78	mg/L	0.004	E200.8	02/26/14 15:55	JRH	7440-50-8	
Mercury Not detected mg/L 0.0002 E245.1 02/14/14 15:56 CCM 7439-97-6	Mer	cury		Not detected	mg/L	0.0002	E245.1	02/14/14 15:56	CCM	7439-97-6	
Nickel 0.415 mg/L 0.005 E200.8 02/26/14 15:55 JRH 7440-02-0	Nicł	(el		0.415	mg/L	0.005	E200.8	02/26/14 15:55	JRH	7440-02-0	
Zinc 0.017 mg/L 0.005 E200.8 02/26/14 15:55 JRH 7440-66-6	Zinc	;		0.017	mg/L	0.005	E200.8	02/26/14 15:55	JRH	7440-66-6	

1-* Total CN- = 0.015 mg/L

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_//	Merit	
	Laboratories, Inc.	

2680 East Lansing Dr., East Lansing, MI 48823 Phone (517) 332-0167 Fax (517) 332-4034 www.meritlabs.com

C.O.C. PAGE # OF

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Quality Control Report

Report ID: QC-S59997.01(01) Generated on 02/27/2014

Report to

Attention: Clifford Yantz O'Brien & Gere Engineers, Inc. 37000 Grand River Ave. Suite 260 Farmington, MI 48335

Phone: 248-477-5701 FAX:

Report Produced by Merit Laboratories 2680 East Lansing Drive East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S59997.01 Project: RACER Coldwater Rd Landfill Submitted Date/Time: 02/13/2014 14:00 Sampled by: Kevin Schneider P.O. #: 11311200

Report Sections

Cover Page (Page 1) Analysis Summary (Page 2) Prep Batch Summary (Page 3) Batch QC Results (Pages 4-11)

Report Flag Descriptions

*: QC result is outside of indicated control limits

W: Surrogate result not applicable due to sample dilution

Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002), IN Drinking Water (#C-MI-07), NELAC NY (#11814) Some analytes reported may not be certified. Full certification lists are available upon request.

Bartara Ball

Barbara Ball Quality Assurance Manager

Lab Sample ID: S59997.01

Sample Tag: O1-PRCC-14 Collected Date/Time: 02/13/2014 11:00 Matrix: Wastewater COC Reference: 82199

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Amenable Cyanide	E335.4/SM4500-Cl	N 02/19/14 13:22	CN140219-W1	CN140219-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N (Undistilled)	SM4500-NH3 D	02/13/14 17:07	AMN140213	AMN140213	No	BLK/LCS/MS/DUP
Oil & Grease n-Hexane Extract.	E1664A	02/18/14 12:00	OGHEX140218W01	OGHEX140218W01	No	BLK/LCS
Total Phosphorus	SM4500-PE	02/18/14 16:11	PHS140218	PHS140218	No	BLK/LCS/MS/DUP
Total Suspended Solids	SM2540D	02/17/14 17:15	TSS140217	TSS140217	No	BLK/LCS/DUP
Metals						
Arsenic	E200.8	02/26/14 15:55	MT3-14-0226A	MTD-022614-3	No	LCS/BLK/MS/MSD
Chromium	E200.8	02/26/14 15:55	MT3-14-0226A	MTD-022614-3	No	LCS/BLK/MS/MSD
Copper	E200.8	02/26/14 15:55	MT3-14-0226A	MTD-022614-3	No	LCS/BLK/MS/MSD
Mercury	E245.1	02/14/14 15:56	HG2-14-0214A	HGD-021414-1	No	LCS/BLK/MS/MSD
Nickel	E200.8	02/26/14 15:55	MT3-14-0226A	MTD-022614-3	No	LCS/BLK/MS/MSD
Zinc	E200.8	02/26/14 15:55	MT3-14-0226A	MTD-022614-3	No	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics,	Prep Batch ID: AMN140213			
•	No, QC Types: BLK/LCS/MS/DUP			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59997.01	Ammonia-N (Undistilled)	SM4500-NH3 D	02/13/14 17:07	AMN140213
Inorganics,	Prep Batch ID: CN140219-W1			
Surrogates: N	lo, QC Types: BLK/LCS/MS/MSD/DUP			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59997.01	Amenable Cyanide	E335.4/SM4500-C	N 02/19/14 13:22	CN140219-W1
Inorganics,	Prep Batch ID: OGHEX140218W01			
Surrogates: N	No, QC Types: BLK/LCS			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59997.01	Oil & Grease n-Hexane Extract.	E1664A	02/18/14 12:00	OGHEX140218W01
Inorganics,	Prep Batch ID: PHS140218			
Surrogates: N	lo, QC Types: BLK/LCS/MS/DUP			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59997.01	Total Phosphorus	SM4500-PE	02/18/14 16:11	PHS140218
Inorganics,	Prep Batch ID: TSS140217			
Surrogates: N	No, QC Types: BLK/LCS/DUP			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59997.01	Total Suspended Solids	SM2540D	02/17/14 17:15	TSS140217
Metals, Pre	p Batch ID: HGD-021414-1			
Surrogates: N	No, QC Types: LCS/BLK/MS/MSD			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59997.01	Mercury	E245.1	02/14/14 15:56	HG2-14-0214A
Metals, Pre	p Batch ID: MTD-022614-3			
Surrogates: N	No, QC Types: LCS/BLK/MS/MSD			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59997.01	Arsenic	E200.8	02/26/14 15:55	MT3-14-0226A
S59997.01	Chromium	E200.8	02/26/14 15:55	MT3-14-0226A
S59997.01	Copper	E200.8	02/26/14 15:55	MT3-14-0226A
S59997.01	Nickel	E200.8	02/26/14 15:55	MT3-14-0226A
S59997.01	Zinc	E200.8	02/26/14 15:55	MT3-14-0226A

Inorganics, Prep Batch ID: AMN140213

Surrogates: No, QC Types: BLK/LCS/MS/DUP

Blank (BLK)

Blank (BLK)					
Lab Sample ID: AMN140213.LRB1					
Run in Batch: AMN140213, Run Date: 02/13/201	4 11:14, Prep	Date: 02/1	3/2014, M	atrix: Liquid,	Dilution: 1
Analyte	Flags	Conc	RDL	Units	
Ammonia-N (Undistilled)		ND	0.02	mg/L	
Laboratory Control Sample (LCS)					
Lab Sample ID: AMN140213.LCS1					
Run in Batch: AMN140213, Run Date: 02/13/201	4 12:15, Prep	Date: 02/1	3/2014, M	atrix: Liquid,	Dilution: 1
Analyte	Flags	% Rec	LCL	UCL	
Ammonia-N (Undistilled)		105	90	110	
Matrix Spike (MS)					
Lab Sample ID: AMN140213.MS1, Parent Sample					
Run in Batch: AMN140213, Run Date: 02/13/201	4 13:27, Prep	Date: 02/1	3/2014, M	atrix: Liquid,	Dilution: 1
Analyte	Flags	% Rec	LCL	UCL	
Ammonia-N (Undistilled)		102	80	120	
Matrix Spike (MS)					
Lab Sample ID: AMN140213.MS2, Parent Sample	e ID: S59964.0)8			
Run in Batch: AMN140213, Run Date: 02/13/201	4 19:26, Prep	Date: 02/1	3/2014, M	atrix: Liquid,	Dilution: 1
Analyte	Flags	% Rec	LCL	UCL	
Ammonia-N (Undistilled)		116	80	120	
Matrix Spike (MS)					
Lab Sample ID: AMN140213.MS3, Parent Sample	e ID: S59964.0)9			
Run in Batch: AMN140213, Run Date: 02/13/201	4 19:40, Prep	Date: 02/1	3/2014, M	atrix: Liquid,	Dilution: 1
Analyte	Flags	% Rec	LCL	UCL	
Ammonia-N (Undistilled)					
		111	80	120	
		111	80	120	
	e ID: S59906.0		80	120	
Duplicate (DUP) Lab Sample ID: AMN140213.DP1, Parent Sample		1			Dilution: 1
Duplicate (DUP) Lab Sample ID: AMN140213.DP1, Parent Sample		1			Dilution: 1
Duplicate (DUP) Lab Sample ID: AMN140213.DP1, Parent Sample Run in Batch: AMN140213, Run Date: 02/13/201	4 12:43, Prep	1 2 Date: 02/1	<u>3/2014, M</u>		Dilution: 1
Duplicate (DUP) Lab Sample ID: AMN140213.DP1, Parent Sample Run in Batch: AMN140213, Run Date: 02/13/201 Analyte	4 12:43, Prep	1 <u>5 Date: 02/1</u> RPD	<u>3/2014, M</u> RPD CL		Dilution: 1
Duplicate (DUP) Lab Sample ID: AMN140213.DP1, Parent Sample Run in Batch: AMN140213, Run Date: 02/13/201 Analyte Ammonia-N (Undistilled)	<u>4 12:43, Prer</u> Flags	1 <u>5 Date: 02/1</u> RPD 3.2	<u>3/2014, M</u> RPD CL		Dilution: 1
Duplicate (DUP) Lab Sample ID: AMN140213.DP1, Parent Sample Run in Batch: AMN140213, Run Date: 02/13/201 Analyte Ammonia-N (Undistilled) Duplicate (DUP)	4 12:43, Prep Flags 9 ID: S59964.0	1 <u>5 Date: 02/1</u> RPD 3.2 5	<u>3/2014, M</u> RPD CL 20	atrix: Liquid,	
Duplicate (DUP) Lab Sample ID: AMN140213.DP1, Parent Sample <u>Run in Batch: AMN140213, Run Date: 02/13/201</u> <u>Analyte</u> Ammonia-N (Undistilled) Duplicate (DUP) Lab Sample ID: AMN140213.DP2, Parent Sample	4 12:43, Prep Flags 9 ID: S59964.0	1 <u>5 Date: 02/1</u> RPD 3.2 5	<u>3/2014, M</u> RPD CL 20	atrix: Liquid,	

Inorganics, Prep Batch ID: CN140219-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

Blank (BLK)

Blank (BLK)						
Lab Sample ID: CN140219-W1.LRB1						
Run in Batch: CN140219-W1, Run Date: 02/19/2	2014 13:00, P	rep Date: 02	2/19/2014,	Matrix: Liqu	id, Dilution:	1
Analyte	Flags	Conc	RDL	Units		
Amenable Cyanide		ND	0.005	mg/L		
Blank (BLK)						
Lab Sample ID: CN140219-W1.LRB2						
Run in Batch: CN140219-W1, Run Date: 02/19/2	2014 13:40, P	rep Date: 02	2/19/2014,	Matrix: Liqu	id, Dilution:	1
Analyte	Flags	Conc	RDL	Units		
Amenable Cyanide		ND	0.005	mg/L		
Laboratory Control Sample (LCS)						
Lab Sample ID: CN140219-W1.LCS1						
Run in Batch: CN140219-W1, Run Date: 02/19/2	2014 13:06, P	rep Date: 02	2/19/2014,	Matrix: Liqu	id, Dilution:	1
Analyte	Flags	% Rec	LCL	UCL		
Amenable Cyanide		98	90	110		
Laboratory Control Sample (LCS)						
Lab Sample ID: CN140219-W1.LCS2						
Run in Batch: CN140219-W1, Run Date: 02/19/2	2014 13:44, P	rep Date: 02	2/19/2014,	Matrix: Liqu	id, Dilution:	1
Analyte	Flags	% Rec	LCL	UCL		
Analyte Amenable Cyanide	Flags	<u>% Rec</u> 95	<u>LCL</u> 90	UCL 110		
	Flags					
Amenable Cyanide		95				
Amenable Cyanide Matrix Spike (MS)	nple ID: S5997	95 1.01	90	110	id, Dilution:	1
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San	nple ID: S5997	95 1.01	90	110	id, Dilution:	1
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/</u> 2	nple ID: S5997 2014 13:12, P	95 1.01 rep Date: 02	90 2/19/2014,	110 Matrix: Liqu	id, Dilution:	1
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/</u> <u>Analyte</u>	nple ID: S5997 2014 13:12, P	95 1.01 <u>rep Date: 0:</u> % Rec	90 2/19/2014, LCL	110 <u>Matrix: Liqu</u> UCL	id, Dilution:	1
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/2</u> <u>Analyte</u> Amenable Cyanide Matrix Spike (MS)	nple ID: S5997 2014 13:12, P Flags	95 1.01 <u>rep Date: 0</u> % Rec 94	90 2/19/2014, LCL	110 <u>Matrix: Liqu</u> UCL	id, Dilution:	1
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/2</u> <u>Analyte</u> Amenable Cyanide	nple ID: S5997 <u>2014 13:12, P</u> Flags nple ID: S5999	95 1.01 <u>rep Date: 0</u> % Rec 94 7.01	90 2/19/2014, LCL 80	110 <u>Matrix: Liqu</u> UCL 120		
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/2</u> <u>Analyte</u> Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San	nple ID: S5997 <u>2014 13:12, P</u> Flags nple ID: S5999	95 1.01 <u>rep Date: 0</u> % Rec 94 7.01	90 2/19/2014, LCL 80	110 <u>Matrix: Liqu</u> UCL 120		
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/2</u> <u>Analyte</u> Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/2</u>	nple ID: S5997 2014 13:12, P Flags 1014 ID: S5999 2014 13:50, P	95 1.01 <u>rep Date: 0:</u> % Rec 94 7.01 rep Date: 0:	90 2/19/2014, LCL 80 2/19/2014,	110 <u>Matrix: Liqu</u> UCL 120 <u>Matrix: Liqu</u>		
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike Duplicate (MSD)	nple ID: S5997 2014 13:12, P Flags nple ID: S5999 2014 13:50, P Flags	95 11.01 rep Date: 02 % Rec 94 7.01 rep Date: 02 % Rec 88	90 2/19/2014, LCL 80 2/19/2014, LCL 90	110 <u>Matrix: Liqu</u> UCL 120 <u>Matrix: Liqu</u> UCL		
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/</u> <u>Analyte</u> Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/</u> <u>Analyte</u> Amenable Cyanide Matrix Spike Duplicate (MSD)	nple ID: S5997 2014 13:12, P Flags nple ID: S5999 2014 13:50, P Flags	95 11.01 rep Date: 02 % Rec 94 7.01 rep Date: 02 % Rec 88	90 2/19/2014, LCL 80 2/19/2014, LCL 90	110 <u>Matrix: Liqu</u> UCL 120 <u>Matrix: Liqu</u> UCL		
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike Duplicate (MSD) Lab Sample ID: CN140219-W1.MSD1, Parent Sa	nple ID: S5997 2014 13:12, P Flags nple ID: S5999 2014 13:50, P Flags	95 1.01 <u>rep Date: 0:</u> % Rec 94 7.01 <u>rep Date: 0:</u> % Rec 88 40219-W1.M	90 <u>2/19/2014,</u> <u>LCL</u> 80 <u>2/19/2014,</u> <u>LCL</u> 90 IS1	110 <u>Matrix: Liqu</u> UCL 120 <u>Matrix: Liqu</u> UCL 110	id, Dilution:	1
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/2</u> <u>Analyte</u> Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San <u>Run in Batch: CN140219-W1, Run Date: 02/19/2</u> <u>Analyte</u> Amenable Cyanide	nple ID: S5997 2014 13:12, P Flags nple ID: S5999 2014 13:50, P Flags	95 1.01 <u>rep Date: 0:</u> % Rec 94 7.01 <u>rep Date: 0:</u> % Rec 88 40219-W1.M	90 <u>2/19/2014,</u> <u>LCL</u> 80 <u>2/19/2014,</u> <u>LCL</u> 90 IS1	110 <u>Matrix: Liqu</u> UCL 120 <u>Matrix: Liqu</u> UCL 110	id, Dilution:	1
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San Run in Batch: CN140219-W1.MS2, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike Duplicate (MSD) Lab Sample ID: CN140219-W1.MSD1, Parent San Run in Batch: CN140219-W1.MSD1, Parent San Run in Batch: CN140219-W1.MSD1, Parent San	nple ID: S5997 2014 13:12, P Flags nple ID: S5999 2014 13:50, P Flags ample ID: CN14 2014 13:14, P	95 1.01 rep Date: 02 % Rec 94 7.01 rep Date: 02 % Rec 88 40219-W1.M rep Date: 02	90 2/19/2014, LCL 80 2/19/2014, LCL 90 IS1 2/19/2014,	110 <u>Matrix: Liqu</u> <u>UCL</u> 120 <u>Matrix: Liqu</u> <u>UCL</u> 110 <u>Matrix: Liqu</u>	id, Dilution: id, Dilution:	1
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San Run in Batch: CN140219-W1.MS2, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike Duplicate (MSD) Lab Sample ID: CN140219-W1.MSD1, Parent San Run in Batch: CN140219-W1.MSD1, Parent San Run in Batch: CN140219-W1.MSD1, Parent San Analyte	nple ID: S5997 2014 13:12, P Flags nple ID: S5999 2014 13:50, P Flags ample ID: CN14 2014 13:14, P	95 1.01 rep Date: 02 % Rec 94 7.01 rep Date: 02 % Rec 10219-W1.M rep Date: 02 % Rec	90 2/19/2014, LCL 80 2/19/2014, LCL 90 IS1 2/19/2014, LCL	110 <u>Matrix: Liqu</u> <u>UCL</u> 120 <u>Matrix: Liqu</u> <u>UCL</u> <u>Matrix: Liqu</u> <u>UCL</u>	id, Dilution: id, Dilution: RPD	1 1 RPD CL
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San Run in Batch: CN140219-W1, Run Date: 02/19// Analyte Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San Run in Batch: CN140219-W1, Run Date: 02/19// Analyte Amenable Cyanide Matrix Spike Duplicate (MSD) Lab Sample ID: CN140219-W1.MSD1, Parent Sa Run in Batch: CN140219-W1.MSD1, Parent Sa Run in Batch: CN140219-W1, Run Date: 02/19// Analyte Amenable Cyanide Matrix Spike Duplicate (MSD) Lab Sample ID: CN140219-W1.MSD1, Parent Sa Run in Batch: CN140219-W1.MSD1, Parent Sa	nple ID: S5997 2014 13:12, P Flags nple ID: S5999 2014 13:50, P Flags ample ID: CN14 2014 13:14, P Flags	95 1.01 rep Date: 02 % Rec 94 7.01 rep Date: 02 % Rec 88 40219-W1.M rep Date: 02 % Rec 94 40219-W1.M	90 2/19/2014, LCL 80 2/19/2014, LCL 90 1S1 2/19/2014, LCL 80 1S2	110 <u>Matrix: Liqu</u> <u>UCL</u> 120 <u>Matrix: Liqu</u> <u>UCL</u> 120	id, Dilution: id, Dilution: <u>RPD</u> 0	1 1 RPD CL 15
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike Duplicate (MSD) Lab Sample ID: CN140219-W1.MSD1, Parent Sa Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide	nple ID: S5997 2014 13:12, P Flags nple ID: S5999 2014 13:50, P Flags ample ID: CN14 2014 13:14, P Flags	95 1.01 rep Date: 02 % Rec 94 7.01 rep Date: 02 % Rec 88 40219-W1.M rep Date: 02 % Rec 94 40219-W1.M	90 2/19/2014, LCL 80 2/19/2014, LCL 90 1S1 2/19/2014, LCL 80 1S2	110 <u>Matrix: Liqu</u> <u>UCL</u> 120 <u>Matrix: Liqu</u> <u>UCL</u> 120	id, Dilution: id, Dilution: <u>RPD</u> 0	1 1 RPD CL 15
Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS1, Parent San Run in Batch: CN140219-W1, Run Date: 02/19/2 Analyte Amenable Cyanide Matrix Spike (MS) Lab Sample ID: CN140219-W1.MS2, Parent San Run in Batch: CN140219-W1.MS2, Parent San Run in Batch: CN140219-W1.MS2, Parent San Amenable Cyanide Matrix Spike Duplicate (MSD) Lab Sample ID: CN140219-W1.MSD1, Parent Sa Run in Batch: CN140219-W1.MSD1, Parent Sa Run in Batch: CN140219-W1.MSD1, Parent Sa Amenable Cyanide Matrix Spike Duplicate (MSD) Lab Sample ID: CN140219-W1.MSD1, Parent Sa Run in Batch: CN140219-W1.MSD1, Parent Sa Run in Batch: CN140219-W1.MSD1, Parent Sa Matrix Spike Duplicate (MSD) Lab Sample ID: CN140219-W1.MSD2, Parent Sa	nple ID: S5997 2014 13:12, P Flags nple ID: S5999 2014 13:50, P Flags ample ID: CN14 2014 13:14, P Flags	95 1.01 rep Date: 02 % Rec 94 7.01 rep Date: 02 % Rec 88 40219-W1.M rep Date: 02 % Rec 94 40219-W1.M	90 2/19/2014, LCL 80 2/19/2014, LCL 90 1S1 2/19/2014, LCL 80 1S2	110 <u>Matrix: Liqu</u> <u>UCL</u> 120 <u>Matrix: Liqu</u> <u>UCL</u> 120	id, Dilution: id, Dilution: <u>RPD</u> 0	1 1 RPD CL 15

Inorganics, Prep Batch ID: CN140219-W1 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

Duplicate (DUP)

ID: S59971	1.01				
4 13:10, P	rep Date: 0	02/19/2014,	Matrix: Liquid,	Dilution: 1	
Flags	RPD	RPD CL			
	<1	15			
ID: S59997	7.01				
4 13:48, P	rep Date: 0)2/19/2014,	Matrix: Liquid,	Dilution: 1	
	<u>4 13:10, P</u> Flags ID: S59997	Flags RPD <1 ID: S59997.01	4 13:10, Prep Date: 02/19/2014, Flags RPD RPD CL <1 15 ID: S59997.01	A 13:10, Prep Date: 02/19/2014, Matrix: Liquid, Flags RPD RPD CL <1	4 13:10, Prep Date: 02/19/2014, Matrix: Liquid, Dilution: 1 Flags RPD RPD CL <1 15

Run in Batch: CIN140219-W1,	, Run Date: 02/19/2014 13:48, P	rep Date:	02/19/2014, Matrix: Liquid, Dilution: 1	
Analyte	Flags	RPD	RPD CL	
Amenable Cyanide		<1	15	

Inorganics, Prep Batch ID: OGHEX140218W01

Surrogates: No, QC Types: BLK/LCS

Oil & Grease n-Hexane Extract.

Blank (BLK)

Lab Sample ID: OGHEX140218W01.LRB1				
Run in Batch: OGHEX140218W01, Run Date: 02	/18/2014 12:0	0, Prep Dat	te: 02/18/2	2014, Matrix: Liquid, Dilution: 1
Analyte	Flags	Conc	RDL	Units
Oil & Grease n-Hexane Extract.		ND	1	mg/L
Laboratory Control Sample (LCS)				
Lab Sample ID: OGHEX140218W01.LCS1				
Run in Batch: OGHEX140218W01, Run Date: 02	/18/2014 12:0	0, Prep Dat	te: 02/18/2	2014, Matrix: Liquid, Dilution: 1
Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		96	78	114
Laboratory Control Sample (LCS)				
Lab Sample ID: OGHEX140218W01.LCS2				
Run in Batch: OGHEX140218W01, Run Date: 02	/18/2014 12:0	0, Prep Dat	te: 02/18/2	2014, Matrix: Liquid, Dilution: 1
			LCL	

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Inorganics, Prep Batch ID: PHS140218

Surrogates: No, QC Types: BLK/LCS/MS/DUP

Blank (BLK)

Blank (BLK)					
Lab Sample ID: PHS140218.LRB1					
Run in Batch: PHS140218, Run Date: 02/18/2014 1	5:07, Prep	Date: 02/18	8/2014, Ma	atrix: Liquid,	Dilution: 1
Analyte	Flags	Conc	RDL	Units	
Total Phosphorus		ND	0.01	mg/L	
Blank (BLK)					
Lab Sample ID: PHS140218.LRB2					
Run in Batch: PHS140218, Run Date: 02/18/2014	5:13, Prep	Date: 02/18	8/2014, Ma	atrix: Liquid,	Dilution: 1
Analyte	Flags	Conc	RDL	Units	
Total Phosphorus		ND	0.01	mg/L	
Laboratory Control Sample (LCS)					
Lab Sample ID: PHS140218.LCS1					
Run in Batch: PHS140218, Run Date: 02/18/2014 1					Dilution: 1
Analyte	Flags	% Rec	LCL	UCL	
Total Phosphorus		96	90	110	
Matrix Spike (MS)					
Lab Sample ID: PHS140218.MS1, Parent Sample ID	: S59951.0	2			
Run in Batch: PHS140218, Run Date: 02/18/2014 2	1:01, Prep	Date: 02/18	B/2014, Ma	atrix: Liquid,	Dilution: 1
Analyte	Flags	% Rec	LCL	UCL	
Total Phosphorus		85	80	120	
Duplicate (DUP)					
	SE0000 04	4			
Lab Sample ID: PHS140218.DP1, Parent Sample ID:				مغيثين النصيناء	Dilution 4
Run in Batch: PHS140218, Run Date: 02/18/2014 20				atrix: Liquid,	Dilution: 1
Analyte	Flags	RPD	RPD CL		
Total Phosphorus		3.1	20		

Inorganics, Prep Batch ID: TSS140217

Surrogates: No, QC Types: BLK/LCS/DUP

Blank (BLK)

Total Suspended Solids

Lab Sample ID: TSS140217.LRB1 Run in Batch: TSS140217, Run Date: 02/17/201	14 17:15. Prep	Date: 02/17	7/2014. M	atrix: Liquid, Dilution: 1	
Analyte	Flags	Conc	RDL	Units	
Total Suspended Solids		ND	1	mg/L	
Laboratory Control Sample (LCS)					
Lab Sample ID: TSS140217.LCS1					
Run in Batch: TSS140217, Run Date: 02/17/20	14 17:15, Prep	Date: 02/17	7/2014, M	atrix: Liquid, Dilution: 1	
Analyte	Flags	% Rec	LCL	UCL	
Total Suspended Solids		102	82	111	
Duplicate (DUP)					
Lab Sample ID: TSS140217.DP1, Parent Sample	e ID: S59992.01				
Run in Batch: TSS140217, Run Date: 02/17/20	14 17:15, Prep	Date: 02/17	7/2014, M	atrix: Liquid, Dilution: 1	

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Report to O'Brien & Gere Engineers, Inc.
Project: RACER Coldwater Rd Landfill

Metals, Prep Batch ID: HGD-021414-1

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Laboratory Control Sample (LCS)						
Lab Sample ID: HG2-14-0214A.015.LCS						
Run in Batch: HG2-14-0214A, Run Date: 02/14/2	2014 15:08, F	Prep Date: 02	2/14/2014	Matrix: Liquic	d, Dilution	:1
Analyte	Flags	% Rec	LCL	UCL		
Mercury		97	85	115		
Blank (BLK)						
Lab Sample ID: HG2-14-0214A.016.LRB						
Run in Batch: HG2-14-0214A, Run Date: 02/14/2	2014 15:10, F	Prep Date: 02	2/14/2014	, Matrix: Liquic	d, Dilution	: 1
Analyte	Flags	Conc	RDL	Units		
Mercury		ND	0.03	ug/L		
Matrix Spike (MS)						
Lab Sample ID: HG2-14-0214A.027.MS, Parent S	Sample ID: S5	9959.01				
Run in Batch: HG2-14-0214A, Run Date: 02/14/2	2014 15:32, F	Prep Date: 02	2/14/2014	, Matrix: Liquic	d, Dilution	: 1
Analyte	Flags	% Rec	LCL	UCL		
Mercury		98	80	120		
Matrix Spike (MS)						
Lab Sample ID: HG2-14-0214A.041.MS, Parent S	•					
Lab Sample ID: HG2-14-0214A.041.MS, Parent S Run in Batch: HG2-14-0214A, Run Date: 02/14/2	•	Prep Date: 02			d, Dilution	: 1
Lab Sample ID: HG2-14-0214A.041.MS, Parent S	•	Prep Date: 02 % Rec	LCL	UCL	I, Dilution	: 1
Lab Sample ID: HG2-14-0214A.041.MS, Parent S Run in Batch: HG2-14-0214A, Run Date: 02/14/2	2014 16:00, F	Prep Date: 02			l, Dilution	: 1
Lab Sample ID: HG2-14-0214A.041.MS, Parent S <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury Matrix Spike Duplicate (MSD)	2 <u>014 16:00, F</u> Flags	Prep Date: 0/ % Rec 97	LCL 80	UCL 120	d, Dilution	. 1
Lab Sample ID: HG2-14-0214A.041.MS, Parent S Run in Batch: HG2-14-0214A, Run Date: 02/14/2 Analyte Mercury	2 <u>014 16:00, F</u> Flags	Prep Date: 0/ % Rec 97	LCL 80	UCL 120	d, Dilution	: 1
Lab Sample ID: HG2-14-0214A.041.MS, Parent S <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury Matrix Spike Duplicate (MSD)	2014 16:00, F Flags	Prep Date: 02 % Rec 97 IG2-14-0214	LCL 80 A.027.MS	UCL 120	I, Dilution	: 1
Lab Sample ID: HG2-14-0214A.041.MS, Parent S <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury Matrix Spike Duplicate (MSD) Lab Sample ID: HG2-14-0214A.028.MSD, Parent	2014 16:00, F Flags	Prep Date: 02 % Rec 97 IG2-14-0214	LCL 80 A.027.MS	UCL 120		
Lab Sample ID: HG2-14-0214A.041.MS, Parent S <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury Matrix Spike Duplicate (MSD) Lab Sample ID: HG2-14-0214A.028.MSD, Parent <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u>	2014 16:00, F Flags : Sample ID: H 2014 15:34, F	Prep Date: 02 % Rec 97 IG2-14-0214 Prep Date: 02	LCL 80 A.027.MS	UCL 120 , Matrix: Liquic	I, Dilution	: 1
Lab Sample ID: HG2-14-0214A.041.MS, Parent S <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury Matrix Spike Duplicate (MSD) Lab Sample ID: HG2-14-0214A.028.MSD, Parent <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u>	2014 16:00, F Flags : Sample ID: H 2014 15:34, F	Prep Date: 02 % Rec 97 IG2-14-0214 Prep Date: 02 % Rec	LCL 80 A.027.MS 2/14/2014 LCL	UCL 120 Matrix: Liquic UCL	l, Dilution RPD	1 RPD CL
Lab Sample ID: HG2-14-0214A.041.MS, Parent S <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury Matrix Spike Duplicate (MSD) Lab Sample ID: HG2-14-0214A.028.MSD, Parent <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury	2014 16:00, F Flags : Sample ID: H 2014 15:34, F Flags	Prep Date: 02 % Rec 97 IG2-14-0214 Prep Date: 02 % Rec 99	LCL 80 A.027.MS 2/14/2014 LCL 80	UCL 120 Matrix: Liquic UCL 120	l, Dilution RPD	1 RPD CL
Lab Sample ID: HG2-14-0214A.041.MS, Parent S <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury Matrix Spike Duplicate (MSD) Lab Sample ID: HG2-14-0214A.028.MSD, Parent <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury Matrix Spike Duplicate (MSD)	2014 16:00, F Flags : Sample ID: H 2014 15:34, F Flags : Sample ID: H	Prep Date: 02 % Rec 97 G2-14-0214 Prep Date: 02 % Rec 99	LCL 80 A.027.MS 2/14/2014 LCL 80 A.041.MS	UCL 120 Matrix: Liquic UCL 120	<u>d, Dilution</u> RPD 1	1 RPD CL 20
Lab Sample ID: HG2-14-0214A.041.MS, Parent S <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury Matrix Spike Duplicate (MSD) Lab Sample ID: HG2-14-0214A.028.MSD, Parent <u>Run in Batch: HG2-14-0214A, Run Date: 02/14/2</u> <u>Analyte</u> Mercury Matrix Spike Duplicate (MSD) Lab Sample ID: HG2-14-0214A.042.MSD, Parent	2014 16:00, F Flags : Sample ID: H 2014 15:34, F Flags : Sample ID: H	Prep Date: 02 % Rec 97 G2-14-0214 Prep Date: 02 % Rec 99	LCL 80 A.027.MS 2/14/2014 LCL 80 A.041.MS	UCL 120 Matrix: Liquic UCL 120	<u>d, Dilution</u> RPD 1	1 RPD CL 20

Metals, Prep Batch ID: MTD-022614-3

Surrogates: No, QC Types: LCS/BLK/MS/MSD

Laboratory Control Sample (LCS)

Lab Sample ID: MT3-14-0226A.022.LCS

Run in Batch: MT3-14-0226A, Run Date: 02/26/2014 15:35, Prep Date: 02/26/2014, Matrix: Liquid, Dilution: 1
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Analyte	Flags	% Rec	LCL	UCL
Arsenic		103	85	115
Chromium		101	85	115
Copper		102	85	115
Nickel		100	85	115
Zinc		100	85	115

Blank (BLK)

Lab Sample ID: MT3-14-0226A.024.LRB

Run in Batch: MT3-14-0226A, Run Date: 02/26/2014 15:43, Prep Date: 02/26/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0004	mg/L
Chromium		ND	0.001	mg/L
Copper		ND	0.0008	mg/L
Nickel		ND	0.001	mg/L
Zinc		ND	0.001	mg/L

Matrix Spike (MS)

Lab Sample ID: MT3-14-0226A.030.MS, Parent Sample ID: S60001.03

Run in Batch: MT3-14-0226A, Run Date: 02/26/2014 16:07, Prep Date: 02/26/2014, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		108	75	125
Chromium		104	75	125
Copper		99	75	125
Nickel		99	75	125
Zinc		76	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT3-14-0226A.031.MSD, Parent Sample ID: MT3-14-0226A.030.MS

Run in Batch: MT3-14-0226A, Run Date: 02/26/2014 16:11, Prep Date: 02/26/2014, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		108	75	125	1	20
Chromium		106	75	125	1	20
Copper		101	75	125	2	20
Nickel		101	75	125	2	20
Zinc		77	75	125	0	20

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	Laboratories, Inc.	

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