



April 21, 2014

RECEIVED APR 22 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.

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

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

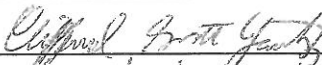
Average Volume of Daily Discharge (during reporting period): 1,435 gallons.
(1 day)

Complete the following:

"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

Title of Authorized Representative: Scientist-3, O'Brien & Gere Engineers, Inc.
As agent for the RACER Trust

Signature of Authorized Representative: 

Date Signed by Authorized Representative: 4/18/14

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

Date Signed by Authorized Representative: N/A

Table 1
Coldwater Road Landfill
City of Flint Sewer User Self-Monitoring Report
First Quarter - 2014
6-08-04-04-GML 1

City of Flint Sewer User Self-Monitoring Report Coldwater Road Facility											
Analytical Parameter	Ammonia-N	QL*	BOD	QL*	HEM	QL*	pH	QL*	TP	QL*	TSS
Units	mg/L		mg/L		mg/L		SU		mg/L		mg/L
Sampling Frequency	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.		Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.
	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		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											
Test Method											
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Sample Type											
Test Result											
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Sample Date											
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
Number of Limit Exceedances	0		0		0		0		0		0

Notes: * Quantification Level: The lowest level at which the test result is reported by the analytical laboratory as a quantitative numerical value, below which test results are reported as "less than" (<) that value.

E1 = Limit Exceedance; E2 = Sample Exceeded

Notes: * Quantification Level: The lowest level at which the test result is reported by the analytical laboratory as a quantitative numerical value, below which test results are reported as "less than" (<) that value.
E1 = Limit Exceedance; E2 = Sample Expired

Table 1
Coldwater Road Landfill
City of Flint Sewer User Self-Monitoring Report
First Quarter - 2014
6-08-04-04-GML1

City of Flint Sewer User Self-Monitoring Report Coldwater Road Facility											
Analytical Parameter Units	Arsenic mg/L	Chromium mg/L	Copper mg/L	Mercury mg/L	Nickel mg/L	Zinc mg/L	Amenable Cyanide mg/L	QL*	QL*	QL*	QL*
Sampling Frequency	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.	Sample one (1) batch of accumulated wastewater prior to discharge, once every three (3) months.				
Daily Maximum Limit	0.048	0.319	3.12	0.000012	0.795	0.445					
Minimum Limit	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					
Test Result	0.024	0.042	1.78	0.000	0.415	0.017	0.000	0.005	0.005	0.005	0.005
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	13-Feb-14				
Sample Type	wastewater	wastewater	wastewater	wastewater	wastewater	wastewater	wastewater				
Test Result											
Test Method											
Test Date											
Sample Date											
Sample Type											
Test Result											
Test Method											
Test Date											
Sample Date											
Sample Type											
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	0.000				
No. of Samples	1	1	1	1	1	1	1	1	1	1	1
Number of Limit Exceedances	0	0	0	0	0	0	0	0	0	0	0

Notes: * Quantification Level: The lowest level at which the test result is reported by the analytical laboratory as a quantitative numerical value, below which test results are reported as "less than" (<) that value.

E1 = Limit Exceeded; E2 = Sample Expired

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

Date	Beginning Flow Meter Reading	End Flow Meter Reading	Gallons Discharged	Begin Time of Discharge	End Time of Discharge	Average Flow (gal/min)	Temperature at Discharge (C)	Temperature at Discharge (F)	pH
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

Additional Contacts: Kevin Schneider

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 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 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. Murshak
Laboratory Director



Analytical Laboratory Report

Sample Summary (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

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
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	32oz Glass	HCL	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Mercury Digestion	Completed			E245.1	02/14/14 11:29	CCM		
Metal Digestion	Completed			SW3015A	02/26/14 13:20	JRH		

Inorganics

Amenable Cyanide	Not detected	mg/L	0.005	E335.4/SM4500-CN	02/19/14 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	
Oil & 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		
TBOD5	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	
Total Suspended Solids	38	mg/L	1	SM2540D	02/17/14 17:15	ASB		

Metals

Arsenic	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	
Copper	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	
Nickel	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	

1-* Total CN- = 0.015 mg/L

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE 2/13/14	TIME 1105
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE 2/13/14	TIME 1125
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE 2-13-14	TIME 1450
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE 2/13/14	TIME 1400
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:		
TEMP. ON ARRIVAL 47		



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.
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Laboratory Certifications:

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Some analytes reported may not be certified. Full certification lists are available upon request.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

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-CN	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

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59997.01	Amenable Cyanide	E335.4/SM4500-CN	02/19/14 13:22	CN140219-W1

Inorganics, Prep Batch ID: OGHEx140218W01

Surrogates: 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: No, 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: 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, Prep Batch ID: HGD-021414-1

Surrogates: 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, Prep Batch ID: MTD-022614-3

Surrogates: 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

QC Report - Batch QC Results

Inorganics, Prep Batch ID: AMN140213

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

Blank (BLK)

Lab Sample ID: AMN140213.LRB1

Run in Batch: AMN140213, Run Date: 02/13/2014 11:14, Prep Date: 02/13/2014, Matrix: 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: 02/13/2014 12:15, Prep Date: 02/13/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		105	90	110

Matrix Spike (MS)

Lab Sample ID: AMN140213.MS1, Parent Sample ID: S59988.01

Run in Batch: AMN140213, Run Date: 02/13/2014 13:27, Prep Date: 02/13/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		102	80	120

Matrix Spike (MS)

Lab Sample ID: AMN140213.MS2, Parent Sample ID: S59964.08

Run in Batch: AMN140213, Run Date: 02/13/2014 19:26, Prep Date: 02/13/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		116	80	120

Matrix Spike (MS)

Lab Sample ID: AMN140213.MS3, Parent Sample ID: S59964.09

Run in Batch: AMN140213, Run Date: 02/13/2014 19:40, Prep Date: 02/13/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		111	80	120

Duplicate (DUP)

Lab Sample ID: AMN140213.DP1, Parent Sample ID: S59906.01

Run in Batch: AMN140213, Run Date: 02/13/2014 12:43, Prep Date: 02/13/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N (Undistilled)		3.2	20

Duplicate (DUP)

Lab Sample ID: AMN140213.DP2, Parent Sample ID: S59964.05

Run in Batch: AMN140213, Run Date: 02/13/2014 18:27, Prep Date: 02/13/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N (Undistilled)		10.1	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CN140219-W1

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

Blank (BLK)

Lab Sample ID: CN140219-W1.LRB1

Run in Batch: CN140219-W1, Run Date: 02/19/2014 13:00, Prep Date: 02/19/2014, Matrix: Liquid, 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: 02/19/2014 13:40, Prep Date: 02/19/2014, Matrix: Liquid, 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: 02/19/2014 13:06, Prep Date: 02/19/2014, Matrix: Liquid, 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: 02/19/2014 13:44, Prep Date: 02/19/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		95	90	110

Matrix Spike (MS)

Lab Sample ID: CN140219-W1.MS1, Parent Sample ID: S59971.01

Run in Batch: CN140219-W1, Run Date: 02/19/2014 13:12, Prep Date: 02/19/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		94	80	120

Matrix Spike (MS)

Lab Sample ID: CN140219-W1.MS2, Parent Sample ID: S59997.01

Run in Batch: CN140219-W1, Run Date: 02/19/2014 13:50, Prep Date: 02/19/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		88	90	110

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN140219-W1.MSD1, Parent Sample ID: CN140219-W1.MS1

Run in Batch: CN140219-W1, Run Date: 02/19/2014 13:14, Prep Date: 02/19/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		94	80	120	0	15

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN140219-W1.MSD2, Parent Sample ID: CN140219-W1.MS2

Run in Batch: CN140219-W1, Run Date: 02/19/2014 13:52, Prep Date: 02/19/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		90	80	120	2	15

QC Report - Batch QC Results

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

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

Duplicate (DUP)

Lab Sample ID: CN140219-W1.DP1, Parent Sample ID: S59971.01

Run in Batch: CN140219-W1, Run Date: 02/19/2014 13:10, Prep Date: 02/19/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

Duplicate (DUP)

Lab Sample ID: CN140219-W1.DP2, Parent Sample ID: S59997.01

Run in Batch: CN140219-W1, Run Date: 02/19/2014 13:48, Prep Date: 02/19/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

QC Report - Batch QC Results

Inorganics, Prep Batch ID: OGHEx140218W01

Surrogates: No, QC Types: BLK/LCS

Blank (BLK)

Lab Sample ID: OGHEx140218W01.LRB1

Run in Batch: OGHEx140218W01, Run Date: 02/18/2014 12:00, Prep Date: 02/18/2014, 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 12:00, Prep Date: 02/18/2014, 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 12:00, Prep Date: 02/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		96	78	114

QC Report - Batch QC Results

Inorganics, Prep Batch ID: PHS140218

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

Blank (BLK)

Lab Sample ID: PHS140218.LRB1

Run in Batch: PHS140218, Run Date: 02/18/2014 15:07, Prep Date: 02/18/2014, Matrix: 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 15:13, Prep Date: 02/18/2014, Matrix: 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 15:35, Prep Date: 02/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		96	90	110

Matrix Spike (MS)

Lab Sample ID: PHS140218.MS1, Parent Sample ID: S59951.02

Run in Batch: PHS140218, Run Date: 02/18/2014 21:01, Prep Date: 02/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		85	80	120

Duplicate (DUP)

Lab Sample ID: PHS140218.DP1, Parent Sample ID: S59988.01

Run in Batch: PHS140218, Run Date: 02/18/2014 20:56, Prep Date: 02/18/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Phosphorus		3.1	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: TSS140217

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

Blank (BLK)

Lab Sample ID: TSS140217.LRB1

Run in Batch: TSS140217, Run Date: 02/17/2014 17:15, Prep Date: 02/17/2014, Matrix: 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: 02/17/2014 17:15, Prep Date: 02/17/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Suspended Solids		102	82	111

Duplicate (DUP)

Lab Sample ID: TSS140217.DP1, Parent Sample ID: S59992.01

Run in Batch: TSS140217, Run Date: 02/17/2014 17:15, Prep Date: 02/17/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Suspended Solids		4	15

QC Report - Batch QC Results

Metals, Prep Batch ID: HGD-021414-1

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

Laboratory Control Sample (LCS)

Lab Sample ID: HG2-14-0214A.015.LCS

Run in Batch: HG2-14-0214A, Run Date: 02/14/2014 15:08, Prep Date: 02/14/2014, Matrix: Liquid, 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: 02/14/2014 15:10, Prep Date: 02/14/2014, Matrix: Liquid, 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 Sample ID: S59959.01

Run in Batch: HG2-14-0214A, Run Date: 02/14/2014 15:32, Prep Date: 02/14/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		98	80	120

Matrix Spike (MS)

Lab Sample ID: HG2-14-0214A.041.MS, Parent Sample ID: S59983.04

Run in Batch: HG2-14-0214A, Run Date: 02/14/2014 16:00, Prep Date: 02/14/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		97	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-14-0214A.028.MSD, Parent Sample ID: HG2-14-0214A.027.MS

Run in Batch: HG2-14-0214A, Run Date: 02/14/2014 15:34, Prep Date: 02/14/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		99	80	120	1	20

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-14-0214A.042.MSD, Parent Sample ID: HG2-14-0214A.041.MS

Run in Batch: HG2-14-0214A, Run Date: 02/14/2014 16:02, Prep Date: 02/14/2014, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		98	80	120	1	20

QC Report - Batch QC Results

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

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

[illegible]