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January 27, 2016

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

RE: **Discharge Permit Submittal–October 2015 through December 2015**
Permit No.: 6-08-04-04-GML1

FILE: 15388/60794/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 October 1, 2015 to December 31, 2015 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 November 23, 2015
- 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

I:\Racer-Trust.15388\60794.Coldwater-Rd-LF\Docs\Reports\PRCC\4th Qtr - December 2015\PRCC Cover Letter Qtr4 2015.docx



37000 Grand River Avenue, Suite 260
Farmington Hills, MI 48335



p 248-477-5701
f 248-477-5962



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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: October 1, 2015 through December 31, 2015


Average Volume of Daily Discharge (during reporting period): 2,031 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: 1/28/16

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
Fourth Quarter - 2015
6-08-04-04-GML1

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	QL*
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	0.02	0.02	0.000	1	1	1	7.66	0.01	0.02	0.01	11	1
Test Method	4500-NH3 D		10360		1664A		4500-H+ B		4500-PE		2540 D	
Test Date	25-Nov-15		30-Nov-15		25-Nov-15		23-Nov-15		24-Nov-15		24-Nov-15	
Sample Date	23-Nov-15		23-Nov-15		23-Nov-15		23-Nov-15		23-Nov-15		23-Nov-15	
Sample Type	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												
Test Result												
Test Method												
Test Date												
Sample Date												
Sample Type												
Average Daily Conc.	0.020		0.000		1.000		7.660		0.020		11.000	
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 Expired

Table 1
Coldwater Road Landfill
City of Flint Sewer User Self-Monitoring Report
Fourth Quarter - 2015
6-08-04-04-GML1

City of Flint Sewer User Self-Monitoring Report Coldwater Road Facility														
Analytical Parameter	Arsenic	QL*	Chromium	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) 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		0.00012		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	0.000	0.002	0.021	0.005	0.123	0.004	0.000	0.0002	0.089	0.005	0.044	0.005	0.000	0.005
Test Method	200.8		200.8		200.8		245.1		200.8		200.8		335.4/4500-CN-G	
Test Date	30-Nov-15		30-Nov-15		30-Nov-15		25-Nov-15		30-Nov-15		30-Nov-15		24-Nov-15	
Sample Date	23-Nov-15		23-Nov-15		23-Nov-15		23-Nov-15		23-Nov-15		23-Nov-15		23-Nov-15	
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														
Test Result														
Test Method														
Test Date														
Sample Date														
Sample Type														
Average Daily Conc.	0.000		0.021		0.123		0.000		0.089		0.044		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	
Number of Limit Exceedances	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 Exceedance; **E2** = Sample Expired

**Table 2
Coldwater Road Landfill
Daily Discharge Summary Table
Fourth Quarter - 2015
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		pH
							(C)	(F)	
12/1/2015	506,752	508,783	2,031	8:40	10:10	22.6	11.5	52.7	7.54

Total Discharge Volume: 2,031

NOTES :



Analytical Laboratory Report

Report ID: S69881.01(01)
Generated on 11/30/2015

Report to

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

Phone: 248-477-5701 FAX: 248-477-5962
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): S69881.01
Project: Coldwater Rd Landfill
Collected Date: 11/23/2015
Submitted Date/Time: 11/23/2015 15:15
Sampled by: Clifford Yantz
P.O. #: 60794.001.100

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Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Results relate only to items tested as received by 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).

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Full accreditation certificates are available upon request.

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.

Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory Report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods



Analytical Laboratory Report

Method Summary

Method	Version
E1664A	EPA Method 1664 Revision A February 1999
E200.8	EPA Method 200.8 Revision 5.4
E245.1	EPA Method 245.1 Revision 3.0
E335.4/SM4500-CN	EPA Method 335.4 Revision 1.0 / Standard Method 4500-CN E 20th Edition
HACH 10360	HACH 10360
SM2540D	Standard Method 2540 D 20th Edition
SM4500-NH3 D	Standard Method 4500 NH3 D 20th Edition
SM4500-PE	Standard Method 4500 P E 20th Edition
SW3015A	SW 846 Method 3015A Revision 1 February 2007



Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S69881.01	04-PRCC-15	Wastewater	11/23/15 09:24



Analytical Laboratory Report

Lab Sample ID: S69881.01
 Sample Tag: 04-PRCC-15
 Collected Date/Time: 11/23/2015 09:24
 Matrix: Wastewater
 COC Reference: 037334

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	None	Yes	5.3	IR
1	125ml Plastic	NaOH	Yes	5.3	IR
1	125ml Plastic	HNO3	Yes	5.3	IR
1	32oz Glass	HCL	Yes	5.3	IR
1	250ml Plastic	H2SO4	Yes	5.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
----------	---------	-------	----	--------	---------------	------	-------	-------

Extraction / Prep.

Mercury Digestion	Completed			E245.1	11/25/15 12:00	RGS		
Metal Digestion	Completed			SW3015A	11/30/15 10:30	JRH		

Inorganics

Amenable Cyanide	Not detected	mg/L	0.005	E335.4/SM4500-CN	11/24/15 12:26	JDP	57-12-5AM	1
Ammonia-N (Undistilled)	0.02	mg/L	0.02	SM4500-NH3 D	11/25/15 19:58	MJC	7664-41-7	
Oil & Grease n-Hexane Extract.	1	mg/L	1	E1664A	11/25/15 9:26	PLB		
TBOD5 - Set	Completed	mg/L		HACH 10360	11/25/15 09:00	ASB		
TBOD5	Not detected	mg/L	3	HACH 10360	11/30/15 14:00	ASB		
Total Phosphorus	0.02	mg/L	0.01	SM4500-PE	11/24/15 20:17	MJC	7723-14-0	
Total Suspended Solids	11	mg/L	1	SM2540D	11/24/15 18:00	ASB		

Metals

Arsenic	Not detected	mg/L	0.002	E200.8	11/30/15 15:32	JRH	7440-38-2	
Chromium	0.021	mg/L	0.005	E200.8	11/30/15 15:32	JRH	7440-47-3	
Copper	0.123	mg/L	0.005	E200.8	11/30/15 15:32	JRH	7440-50-8	
Mercury	Not detected	mg/L	0.0002	E245.1	11/25/15 16:17	RGS	7439-97-6	
Nickel	0.089	mg/L	0.005	E200.8	11/30/15 15:32	JRH	7440-02-0	
Zinc	0.044	mg/L	0.005	E200.8	11/30/15 15:32	JRH	7440-66-6	

1-* Total CN- = < 0.005 mg/L



Quality Control Report

Report ID: QC-S69881.01(01)
Generated on 12/09/2015

Report to

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

Phone: 248-477-5701 FAX: 248-477-5962

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): S69881.01
Project: Coldwater Rd Landfill
Submitted Date/Time: 11/23/2015 15:15
Sampled by: Clifford Yantz
P.O. #: 60794.001.100

QC Report Sections

Cover Page (Page 1)
Analysis Summary (Page 2)
Prep Batch Summary (Page 3)
Batch QC Results (Pages 4-10)

Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S69881.01

Sample Tag: 04-PRCC-15

Collected Date/Time: 11/23/2015 09:24

Matrix: Wastewater

COC Reference: 037334

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<i>Inorganics</i>						
Amenable Cyanide	E335.4/SM4500-CN	11/24/15 12:26	CN151124-W1	CN151124-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N (Undistilled)	SM4500-NH3 D	11/25/15 19:58	AMN151125QC	AMN151125QC	No	BLK/LCS/MS/DUP
Oil & Grease n-Hexane Extract.	E1664A	11/25/15 9:26	OGHEX151125W01	OGHEX151125W01	No	BLK/LCS
Total Phosphorus	SM4500-PE	11/24/15 20:17	PHS151124QC	PHS151124QC	No	BLK/LCS/MS/DUP
Total Suspended Solids	SM2540D	11/24/15 18:00	TSS151124	TSS151124	No	BLK/LCS/DUP
<i>Metals</i>						
Arsenic	E200.8	11/30/15 15:32	MT-15-1130A	MTD-113015-6	No	LCS/BLK/MS/MSD
Chromium	E200.8	11/30/15 15:32	MT-15-1130A	MTD-113015-6	No	LCS/BLK/MS/MSD
Copper	E200.8	11/30/15 15:32	MT-15-1130A	MTD-113015-6	No	LCS/BLK/MS/MSD
Mercury	E245.1	11/25/15 16:17	HG2-15-1125A	HGD-112515-2	No	LCS/BLK/MS/MSD/DUP
Nickel	E200.8	11/30/15 15:32	MT-15-1130A	MTD-113015-6	No	LCS/BLK/MS/MSD
Zinc	E200.8	11/30/15 15:32	MT-15-1130A	MTD-113015-6	No	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: AMN151125QC

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S69881.01	Ammonia-N (Undistilled)	SM4500-NH3 D	11/25/15 19:58	AMN151125QC

Inorganics, Prep Batch ID: CN151124-W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S69881.01	Amenable Cyanide	E335.4/SM4500-CN	11/24/15 12:26	CN151124-W1

Inorganics, Prep Batch ID: OGHEX151125W01

Surrogates: No, QC Types: BLK/LCS

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S69881.01	Oil & Grease n-Hexane Extract.	E1664A	11/25/15 9:26	OGHEX151125W01

Inorganics, Prep Batch ID: PHS151124QC

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S69881.01	Total Phosphorus	SM4500-PE	11/24/15 20:17	PHS151124QC

Inorganics, Prep Batch ID: TSS151124

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S69881.01	Total Suspended Solids	SM2540D	11/24/15 18:00	TSS151124

Metals, Prep Batch ID: HGD-112515-2

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S69881.01	Mercury	E245.1	11/25/15 16:17	HG2-15-1125A

Metals, Prep Batch ID: MTD-113015-6

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S69881.01	Arsenic	E200.8	11/30/15 15:32	MT-15-1130A
S69881.01	Chromium	E200.8	11/30/15 15:32	MT-15-1130A
S69881.01	Copper	E200.8	11/30/15 15:32	MT-15-1130A
S69881.01	Nickel	E200.8	11/30/15 15:32	MT-15-1130A
S69881.01	Zinc	E200.8	11/30/15 15:32	MT-15-1130A

QC Report - Batch QC Results

Inorganics, Prep Batch ID: AMN151125QC

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

Blank (BLK)

Lab Sample ID: AMN151125QC.LRB1

Run in Batch: AMN151125QC, Run Date: 11/25/2015 11:48, Prep Date: 11/25/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Ammonia-N (Undistilled)		ND	0.02	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: AMN151125QC.LCS1

Run in Batch: AMN151125QC, Run Date: 11/25/2015 12:46, Prep Date: 11/25/2015, Matrix: Liquid, Dilution: 1

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

Matrix Spike (MS)

Lab Sample ID: AMN151125QC.MS1, Parent Sample ID: S69798.01

Run in Batch: AMN151125QC, Run Date: 11/25/2015 13:49, Prep Date: 11/25/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		100	80	120

Matrix Spike (MS)

Lab Sample ID: AMN151125QC.MS2, Parent Sample ID: S69923.03

Run in Batch: AMN151125QC, Run Date: 11/25/2015 22:04, Prep Date: 11/25/2015, Matrix: Solid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N (Undistilled)		100	80	120

Duplicate (DUP)

Lab Sample ID: AMN151125QC.DP1, Parent Sample ID: S69766.01

Run in Batch: AMN151125QC, Run Date: 11/25/2015 14:33, Prep Date: 11/25/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N (Undistilled)		2.4	20

Duplicate (DUP)

Lab Sample ID: AMN151125QC.DP2, Parent Sample ID: S69923.03

Run in Batch: AMN151125QC, Run Date: 11/25/2015 22:02, Prep Date: 11/25/2015, Matrix: Solid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N (Undistilled)		0.8	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CN151124-W1

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

Blank (BLK)

Lab Sample ID: CN151124-W1.LRB1

Run in Batch: CN151124-W1, Run Date: 11/24/2015 12:00, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Amenable Cyanide		ND	0.005	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: CN151124-W1.LCS1

Run in Batch: CN151124-W1, Run Date: 11/24/2015 12:06, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		99	90	110

Matrix Spike (MS)

Lab Sample ID: CN151124-W1.MS1, Parent Sample ID: S69870.01

Run in Batch: CN151124-W1, Run Date: 11/24/2015 12:12, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		93	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN151124-W1.MSD1, Parent Sample ID: CN151124-W1.MS1

Run in Batch: CN151124-W1, Run Date: 11/24/2015 12:14, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		93	80	120	0	15

Duplicate (DUP)

Lab Sample ID: CN151124-W1.DP1, Parent Sample ID: S69870.01

Run in Batch: CN151124-W1, Run Date: 11/24/2015 12:10, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

QC Report - Batch QC Results

Inorganics, Prep Batch ID: OGHEX151125W01

Surrogates: No, QC Types: BLK/LCS

Blank (BLK)

Lab Sample ID: OGHEX151125W01.LRB1

Run in Batch: OGHEX151125W01, Run Date: 11/25/2015 9:27, Prep Date: 11/25/2015, 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: OGHEX151125W01.LCS1

Run in Batch: OGHEX151125W01, Run Date: 11/25/2015 9:27, Prep Date: 11/25/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		88	78	114

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX151125W01.LCS2

Run in Batch: OGHEX151125W01, Run Date: 11/25/2015 9:27, Prep Date: 11/25/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		86	78	114

QC Report - Batch QC Results

Inorganics, Prep Batch ID: PHS151124QC

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

Blank (BLK)

Lab Sample ID: PHS151124QC.LRB1

Run in Batch: PHS151124QC, Run Date: 11/24/2015 13:42, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Total Phosphorus		ND	0.01	mg/L

Blank (BLK)

Lab Sample ID: PHS151124QC.LRB2

Run in Batch: PHS151124QC, Run Date: 11/24/2015 13:50, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Total Phosphorus		ND	0.01	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: PHS151124QC.LCS1

Run in Batch: PHS151124QC, Run Date: 11/24/2015 13:56, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		104	90	110

Matrix Spike (MS)

Lab Sample ID: PHS151124QC.MS1, Parent Sample ID: S69759.01

Run in Batch: PHS151124QC, Run Date: 11/24/2015 20:24, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		94	80	120

Duplicate (DUP)

Lab Sample ID: PHS151124QC.DP1, Parent Sample ID: S69764.01

Run in Batch: PHS151124QC, Run Date: 11/24/2015 20:20, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Phosphorus		2.8	20

QC Report - Batch QC Results

Inorganics, Prep Batch ID: TSS151124

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

Blank (BLK)

Lab Sample ID: TSS151124.LRB1

Run in Batch: TSS151124, Run Date: 11/24/2015 18:00, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Total Suspended Solids		ND	1	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: TSS151124.LCS1

Run in Batch: TSS151124, Run Date: 11/24/2015 18:00, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Suspended Solids		97	81	112

Duplicate (DUP)

Lab Sample ID: TSS151124.DP1, Parent Sample ID: S69896.01

Run in Batch: TSS151124, Run Date: 11/24/2015 18:00, Prep Date: 11/24/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Suspended Solids		25	5

QC Report - Batch QC Results

Metals, Prep Batch ID: HGD-112515-2

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

Laboratory Control Sample (LCS)

Lab Sample ID: HG2-15-1125A.038.LCS

Run in Batch: HG2-15-1125A, Run Date: 11/25/2015 15:59, Prep Date: 11/25/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		106	85	115

Blank (BLK)

Lab Sample ID: HG2-15-1125A.039.LRB

Run in Batch: HG2-15-1125A, Run Date: 11/25/2015 16:01, Prep Date: 11/25/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Mercury		ND	0.03	ug/L

Matrix Spike (MS)

Lab Sample ID: HG2-15-1125A.051.MS, Parent Sample ID: S69905.03

Run in Batch: HG2-15-1125A, Run Date: 11/25/2015 16:25, Prep Date: 11/25/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		101	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-15-1125A.052.MSD, Parent Sample ID: HG2-15-1125A.051.MS

Run in Batch: HG2-15-1125A, Run Date: 11/25/2015 16:27, Prep Date: 11/25/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		104	75	125	3	20

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-113015-6

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

Laboratory Control Sample (LCS)

Lab Sample ID: MT-15-1130A.019.LCS

Run in Batch: MT-15-1130A, Run Date: 11/30/2015 14:55, Prep Date: 11/30/2015, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		95	85	115
Chromium		96	85	115
Copper		96	85	115
Zinc		97	85	115

Blank (BLK)

Lab Sample ID: MT-15-1130A.021.LRB

Run in Batch: MT-15-1130A, Run Date: 11/30/2015 15:01, Prep Date: 11/30/2015, Matrix: Liquid, Dilution: 1

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

Matrix Spike (MS)

Lab Sample ID: MT-15-1130A.031.MS, Parent Sample ID: S69881.01

Run in Batch: MT-15-1130A, Run Date: 11/30/2015 15:35, Prep Date: 11/30/2015, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		115	75	125
Chromium		109	75	125
Copper		108	75	125
Zinc		107	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT-15-1130A.032.MSD, Parent Sample ID: MT-15-1130A.031.MS

Run in Batch: MT-15-1130A, Run Date: 11/30/2015 15:38, Prep Date: 11/30/2015, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		112	75	125	3	20
Chromium		106	75	125	2	20
Copper		102	75	125	4	20
Zinc		103	75	125	3	20

