



January 17, 2011

**Mr. Tom Hutchings**

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

**RE: *Discharge Permit Submittal-October 2011 through December 2011***

*Permit No.: 6-08-04-04-GML1*

**FILE: 15388/47850/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, 2011 to December 31, 2011 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 December 1, 2011.
- 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.**

A handwritten signature in blue ink that reads 'Clifford Scott Yantz'.

Clifford Yantz  
Technical Associate

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: October 1, 2011 through December 31, 2011

Average Volume of Daily Discharge (during reporting period): 2,921 gallons per day.  
(2 days)

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: Technical Associate, O'Brien & Gere Engineers, Inc.  
As agent for the RACER Trust

Signature of Authorized Representative: \_\_\_\_\_

*Clifford Scott Yantz*

Date Signed by Authorized Representative: \_\_\_\_\_

*1/17/2012*

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**  
**Sewer User Self-Monitoring**  
**Fourth Quarter - 2011**  
**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	3.2	0.005		4	1		0	1		7.25	0.01		0.05	0.01		35	1	
Test Method	4500-NH3 D			10360			1664A			4500-H+ B			4500-PE			2540 D		
Test Date	06-Dec-11			02-Dec-11			08-Dec-11			01-Dec-11			03-Dec-11			05-Dec-11		
Sample Date	01-Dec-11			01-Dec-11			01-Dec-11			01-Dec-11			01-Dec-11			01-Dec-11		
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																		
Average Daily Conc.	3.200			4.000			0.000			7.250			0.050			35.000		
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.																		

**Table 1**  
**Coldwater Road Landfill**  
**City of Flint Sewer User Self-Monitoring Report**  
**Fourth Quarter - 2011**  
**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		0.000012		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	0.010	0.002	0.014	0.005	0.739	0.004	0.000	0.00020	0.233	0.005	0.033	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	02-Dec-11		02-Dec-11		02-Dec-11		05-Dec-11		02-Dec-11		02-Dec-11		08-Dec-11	
Sample Date	01-Dec-11		01-Dec-11		01-Dec-11		01-Dec-11		01-Dec-11		01-Dec-11		01-Dec-11	
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.	0.010		0.014		0.739		0.000		0.233		0.033		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 qunitative 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 - 2011**  
**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)	
12/27/2011	454,120	457,210	3,090	8:50	13:40	10.7	11.2	52.2	7.33
12/28/2011	457,210	459,961	2,751	7:50	10:00	21.2	11.4	52.5	6.97

Total Discharge Volume:     **5,841**  
Average Volume per Discharge:     **2,921**

NOTES :



## Analytical Laboratory Report

Report ID: S50912.01(01)  
Generated on 12/09/2011

### 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: YantzCS@obg.com/SchneiKB@obg.com

### 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): S50912.01  
Project: Coldwater Road Landfill  
Collected Date: 12/01/2011  
Submitted Date/Time: 12/01/2011 15:20  
Sampled by: Kevin Schneider  
P.O. #: MLT1103

### 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 RL.  
Samples are held by the lab for 30 days from the sample submittal 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.

### Laboratory Certifications:

Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)  
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
S50912.01	05-PRCC-11	Wastewater	12/01/2011 14:05



# Analytical Laboratory Report

Lab Sample ID: S50912.01  
Sample Tag: 05-PRCC-11  
Collected Date/Time: 12/01/2011 14:05  
Matrix: Wastewater  
COC Reference: 53652

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	4.6	IR
1	500ml Plastic	None	Yes	4.6	IR
1	32oz Glass	H2SO4	Yes	4.6	IR
1	125ml Plastic	NaOH	Yes	4.6	IR
1	250ml Plastic	H2SO4	Yes	4.6	IR

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

Mercury Digestion	Completed			245.1	12/05/11 11:35	JRH		
Metal Digestion	Completed			3015A	12/02/11 01:00	SLR		

### Inorganics

Amenable Cyanide	Not detected	mg/L	0.005	335.4/4500-CN-G	12/08/11 11:48	JDP	57-12-5AM	
Ammonia-N	3.2	mg/L	0.2	4500-NH3 D	12/06/11 12:53	MJC	7664-41-7	
Field pH	7.25	STD Units	0.01	4500-H+ B	12/01/11 14:05	OBG		
Oil & Grease n-Hexane Extract.	Not detected	mg/L	1	1664A	12/08/11 14:32	DJS		
TBOD5 - Set	Completed	mg/L		10360	12/02/11 13:30	DJS		
TBOD5	4	mg/L	1	10360	12/07/11 13:30	DJS		
Total Phosphorus	0.05	mg/L	0.01	4500-PE	12/03/11 18:44	MJC	7723-14-0	
Total Suspended Solids	35	mg/L	1	2540 D	12/05/11 14:00	DJS		

### Metals

Arsenic	0.010	mg/L	0.002	200.8	12/02/11 15:18	SLS	7440-38-2	
Chromium	0.014	mg/L	0.005	200.8	12/02/11 15:18	SLS	7440-47-3	
Copper	0.739	mg/L	0.004	200.8	12/02/11 15:18	SLS	7440-50-8	
Mercury	Not detected	mg/L	0.0002	245.1	12/05/11 14:19	JRT	7439-97-6	
Nickel	0.233	mg/L	0.005	200.8	12/02/11 15:18	SLS	7440-02-0	
Zinc	0.033	mg/L	0.005	200.8	12/02/11 15:18	SLS	7440-66-6	





C.O.C. PAGE # 1 OF 1

**INVOICE TO****INVOICE TO**ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES	Metals Are: As, Cr, Cu, Hg, Ni, Zn Analysis per city of Flint Permit
Field pH: 7.25	Field temp: 13.0 °C

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE



## Quality Control Report

Report ID: QC-S50912.01(01)

Generated on 12/12/2011

### 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): S50912.01  
Project: Coldwater Road Landfill  
Submitted Date/Time: 12/01/2011 15:20  
Sampled by: Kevin Schneider  
P.O. #: MLT1103

### 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), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)  
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak  
Laboratory Director

## QC Report - Analysis Summary

**Lab Sample ID: S50912.01**

Sample Tag: 05-PRCC-11

Collected Date/Time: 12/01/2011 14:05

Matrix: Wastewater

COC Reference: 53652

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<b><i>Inorganics</i></b>						
Amenable Cyanide	335.4/4500-CN-G	12/08/11 11:48	CN111208-W1	CN111208-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N	4500-NH3 D	12/06/11 12:53	AMN111206	AMN111206	No	BLK/LCS/MS/DUP
Oil & Grease n-Hexane Extract.	1664A	12/08/11 14:32	OGHEX111208W01	OGHEX111208W01	No	BLK/LCS
Total Phosphorus	4500-PE	12/03/11 18:44	PHS111203	PHS111203	No	BLK/LCS/MS/DUP
Total Suspended Solids	2540 D	12/05/11 14:00	TSS111205	TSS111205	No	BLK/LCS/DUP
<b><i>Metals</i></b>						
Arsenic	200.8	12/02/11 15:18	MT3-11-1202B	MTD-120211-1	No	LCS/BLK/MS/MSD
Chromium	200.8	12/02/11 15:18	MT3-11-1202B	MTD-120211-1	No	LCS/BLK/MS/MSD
Copper	200.8	12/02/11 15:18	MT3-11-1202B	MTD-120211-1	No	LCS/BLK/MS/MSD
Mercury	245.1	12/05/11 14:19	HG2-11-1205A	HGD-120511-1	No	LCS/BLK/MS/MSD
Nickel	200.8	12/02/11 15:18	MT3-11-1202B	MTD-120211-1	No	LCS/BLK/MS/MSD
Zinc	200.8	12/02/11 15:18	MT3-11-1202B	MTD-120211-1	No	LCS/BLK/MS/MSD

## QC Report - Prep Batch Summary

### Inorganics, Prep Batch ID: AMN111206

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S50912.01	Ammonia-N	4500-NH3 D	12/06/11 12:53	AMN111206

### Inorganics, Prep Batch ID: CN111208-W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S50912.01	Amenable Cyanide	335.4/4500-CN-G	12/08/11 11:48	CN111208-W1

### Inorganics, Prep Batch ID: OGHEX111208W01

Surrogates: No, QC Types: BLK/LCS

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S50912.01	Oil & Grease n-Hexane Extract.	1664A	12/08/11 14:32	OGHEX111208W01

### Inorganics, Prep Batch ID: PHS111203

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S50912.01	Total Phosphorus	4500-PE	12/03/11 18:44	PHS111203

### Inorganics, Prep Batch ID: TSS111205

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S50912.01	Total Suspended Solids	2540 D	12/05/11 14:00	TSS111205

### Metals, Prep Batch ID: HGD-120511-1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S50912.01	Mercury	245.1	12/05/11 14:19	HG2-11-1205A

### Metals, Prep Batch ID: MTD-120211-1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S50912.01	Arsenic	200.8	12/02/11 15:18	MT3-11-1202B
S50912.01	Chromium	200.8	12/02/11 15:18	MT3-11-1202B
S50912.01	Copper	200.8	12/02/11 15:18	MT3-11-1202B
S50912.01	Nickel	200.8	12/02/11 15:18	MT3-11-1202B
S50912.01	Zinc	200.8	12/02/11 15:18	MT3-11-1202B

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: AMN111206

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

#### Blank (BLK)

Lab Sample ID: AMN111206.LRB1

Run in Batch: AMN111206, Run Date: 12/06/2011 11:10, Prep Date: 12/06/2011, Matrix: Liquid, Dilution: 1

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

#### Blank (BLK)

Lab Sample ID: AMN111206.LRB2

Run in Batch: AMN111206, Run Date: 12/06/2011 15:10, Prep Date: 12/06/2011, Matrix: Liquid, Dilution: 1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: AMN111206.LCS1

Run in Batch: AMN111206, Run Date: 12/06/2011 11:37, Prep Date: 12/06/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N		98	90	110

#### Matrix Spike (MS)

Lab Sample ID: AMN111206.MS1, Parent Sample ID: S50936.01

Run in Batch: AMN111206, Run Date: 12/06/2011 11:54, Prep Date: 12/06/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Ammonia-N		97	80	120

#### Duplicate (DUP)

Lab Sample ID: AMN111206.DP1, Parent Sample ID: S50912.01

Run in Batch: AMN111206, Run Date: 12/06/2011 12:58, Prep Date: 12/06/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Ammonia-N		0.9	20

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: CN111208-W1

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

#### Blank (BLK)

Lab Sample ID: CN111208-W1.LRB1

Run in Batch: CN111208-W1, Run Date: 12/08/2011 11:30, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

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

#### Blank (BLK)

Lab Sample ID: CN111208-W1.LRB2

Run in Batch: CN111208-W1, Run Date: 12/08/2011 12:10, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: CN111208-W1.LCS1

Run in Batch: CN111208-W1, Run Date: 12/08/2011 11:36, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		102	90	110

#### Laboratory Control Sample (LCS)

Lab Sample ID: CN111208-W1.LCS2

Run in Batch: CN111208-W1, Run Date: 12/08/2011 12:14, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		95	90	110

#### Matrix Spike (MS)

Lab Sample ID: CN111208-W1.MS1, Parent Sample ID: S50949.01

Run in Batch: CN111208-W1, Run Date: 12/08/2011 11:42, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		96	80	120

#### Matrix Spike (MS)

Lab Sample ID: CN111208-W1.MS2, Parent Sample ID: S50920.01

Run in Batch: CN111208-W1, Run Date: 12/08/2011 12:20, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Amenable Cyanide		90	80	120

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: CN111208-W1.MSD1, Parent Sample ID: CN111208-W1.MS1

Run in Batch: CN111208-W1, Run Date: 12/08/2011 11:44, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		97	80	120	1	15

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: CN111208-W1.MSD2, Parent Sample ID: CN111208-W1.MS2

Run in Batch: CN111208-W1, Run Date: 12/08/2011 12:22, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide		91	80	120	1	15

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: CN111208-W1 (continued)

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

#### Duplicate (DUP)

Lab Sample ID: CN111208-W1.DP1, Parent Sample ID: S50949.01

Run in Batch: CN111208-W1, Run Date: 12/08/2011 11:40, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

#### Duplicate (DUP)

Lab Sample ID: CN111208-W1.DP2, Parent Sample ID: S50920.01

Run in Batch: CN111208-W1, Run Date: 12/08/2011 12:18, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: OGHEX111208W01

Surrogates: No, QC Types: BLK/LCS

#### Blank (BLK)

Lab Sample ID: OGHEX111208W01.LRB1

Run in Batch: OGHEX111208W01, Run Date: 12/08/2011 14:32, Prep Date: 12/08/2011, 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: OGHEX111208W01.LCS1

Run in Batch: OGHEX111208W01, Run Date: 12/08/2011 14:33, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		104	78	114

#### Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX111208W01.LCS2

Run in Batch: OGHEX111208W01, Run Date: 12/08/2011 14:33, Prep Date: 12/08/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Oil & Grease n-Hexane Extract.		98	78	114



## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: PHS111203

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

#### Blank (BLK)

Lab Sample ID: PHS111203.LRB1

Run in Batch: PHS111203, Run Date: 12/03/2011 12:38, Prep Date: 12/03/2011, Matrix: Liquid, Dilution: 1

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

#### Blank (BLK)

Lab Sample ID: PHS111203.LRB2

Run in Batch: PHS111203, Run Date: 12/03/2011 12:44, Prep Date: 12/03/2011, Matrix: Liquid, Dilution: 1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: PHS111203.LCS1

Run in Batch: PHS111203, Run Date: 12/03/2011 12:51, Prep Date: 12/03/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		96	90	110

#### Matrix Spike (MS)

Lab Sample ID: PHS111203.MS1, Parent Sample ID: S50874.02

Run in Batch: PHS111203, Run Date: 12/03/2011 18:51, Prep Date: 12/03/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		92	80	120

#### Duplicate (DUP)

Lab Sample ID: PHS111203.DP1, Parent Sample ID: S50874.02

Run in Batch: PHS111203, Run Date: 12/03/2011 18:47, Prep Date: 12/03/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Phosphorus		1.8	20

## QC Report - Batch QC Results

### Inorganics, Prep Batch ID: TSS111205

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

#### Blank (BLK)

Lab Sample ID: TSS111205.LRB1

Run in Batch: TSS111205, Run Date: 12/05/2011 14:00, Prep Date: 12/05/2011, Matrix: Liquid, Dilution: 1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: TSS111205.LCS1

Run in Batch: TSS111205, Run Date: 12/05/2011 14:00, Prep Date: 12/05/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Suspended Solids		92	90	110

#### Duplicate (DUP)

Lab Sample ID: TSS111205.DP1, Parent Sample ID: S50890.02

Run in Batch: TSS111205, Run Date: 12/05/2011 14:00, Prep Date: 12/05/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Suspended Solids		0	15

## QC Report - Batch QC Results

### Metals, Prep Batch ID: HGD-120511-1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: HG2-11-1205A.015.LCS

Run in Batch: HG2-11-1205A, Run Date: 12/05/2011 14:14, Prep Date: 12/05/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		93	85	115

#### Blank (BLK)

Lab Sample ID: HG2-11-1205A.016.LRB

Run in Batch: HG2-11-1205A, Run Date: 12/05/2011 14:16, Prep Date: 12/05/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Mercury		ND	0.03	ug/L

#### Matrix Spike (MS)

Lab Sample ID: HG2-11-1205A.036.MS, Parent Sample ID: S50932.01

Run in Batch: HG2-11-1205A, Run Date: 12/05/2011 15:01, Prep Date: 12/05/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Mercury		97	80	120

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-11-1205A.037.MSD, Parent Sample ID: HG2-11-1205A.036.MS

Run in Batch: HG2-11-1205A, Run Date: 12/05/2011 15:03, Prep Date: 12/05/2011, 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-120211-1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: MT3-11-1202B.012.LCS

Run in Batch: MT3-11-1202B, Run Date: 12/02/2011 14:36, Prep Date: 12/02/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		106	85	115
Chromium		106	85	115
Copper		106	85	115
Nickel		106	85	115
Zinc		104	85	115

#### Blank (BLK)

Lab Sample ID: MT3-11-1202B.015.LRB

Run in Batch: MT3-11-1202B, Run Date: 12/02/2011 14:40, Prep Date: 12/02/2011, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0001	mg/L
Chromium		ND	0.001	mg/L
Copper		ND	0.0005	mg/L
Nickel		ND	0.001	mg/L
Zinc		ND	0.001	mg/L

#### Matrix Spike (MS)

Lab Sample ID: MT3-11-1202B.026.MS, Parent Sample ID: S50912.01

Run in Batch: MT3-11-1202B, Run Date: 12/02/2011 15:22, Prep Date: 12/02/2011, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		115	75	125
Chromium		110	75	125
Copper		98	75	125
Nickel		103	75	125
Zinc		106	75	125

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT3-11-1202B.027.MSD, Parent Sample ID: MT3-11-1202B.026.MS

Run in Batch: MT3-11-1202B, Run Date: 12/02/2011 15:26, Prep Date: 12/02/2011, Matrix: Liquid, Dilution: 5


Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		114	75	125	0	20
Chromium		110	75	125	0	20
Copper		104	75	125	2	20
Nickel		107	75	125	2	20
Zinc		109	75	125	3	20



C.O.C. PAGE # 1 OF 1

**INVOICE TO****INVOICE TO**

CONTACT NAME		<input checked="" type="checkbox"/> SAME	
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.	

<div style="display: flex; justify-content: space-between;"> <div>  <input type="checkbox"/> OTHER </div> <div> # Containers &amp; Drum Contents </div> </div>	Total Metals Manganese Cyanide BOD, TSS Ammonia - Nitrogen Total Phosphorus FOG (Hex-Ext)	SPECIAL INSTRUCTIONS/NOTES Metals Are: As, Cr, Cu, Hg, Ni, Zn Analysis per city of Flint Permit
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[illegible]

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 12-1-11		TIME 1520	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 01 DEC 11		TIME 1500	
SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS	NOTES: TEMP. ON ARRIVAL 46		
SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS			

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE