

January 15, 2014

Mr. Tom Hutchings

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

RE: Discharge Permit Submittal-September 2013 through December 2013

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

FILE: 15388/50137/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 September 1, 2013 to December 31, 2013 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 3, 2013
- 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 seath youth

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

RACER Trust, Coldwater Road

Company Name:

Street Address: 6220 Horton Avenue, Flint, Michigan Permit Number: 6-08-04-04-GML1 Outfall Number: 001 Reporting Period: September 1, 2013 through December 31, 2013 Average Volume of Daily Discharge (during reporting period): 2,086 gallons. 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: _ 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. further certify that, this facility is implementing the toxic organic management plan submitted to the control authority." Name of Authorized Representative: Title of Authorized Representative: N/A ______ Signature of Authorized Representative:

Date Signed by Authorized Representative:______N/A____

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: September 1, 2013 through December 31, 2013
Average Volume of Daily Discharge (during reporting period): 2,086 gallons. (1 day)
Complete the following:
It certify under penalty of law that this document and all attachments were prepared under my direction or supervision is 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, an complete. I am aware that there are significant penalties for submitting false information, including the possibility of find and imprisonment for knowing violations."
Name of Authorized Representative: Clifford Yantz
Title of Authorized Representative: Technical Associate, O'Brien & Gere Engineers, Inc. <u>As agent for the RACER Trust</u>
Signature of Authorized Representative:
Date Signed by Authorized Representative:
f 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 concentrate toxic organics into the wastewaters has occurred since filing of the last Periodic Report on Continued Compliance. 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 - 2013 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*	pН	QL*	TP	QL*	TSS	QL*
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) bat accumulated wastewate discharge, once every months.	Sample one (1) ba accumulated waste prior to discharge every three (3) mo	ewater , once	Sample one (1) be accumulated was prior to discharg every three (3) n	tewater e, once	Sample one (1) accumulated wa prior to discharg every three (3)	stewater ge, once	Sample one (1) b accumulated was prior to discharge every three (3) m	tewater e, once	
Daily Maximum Limit					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	1.32	0.02	15	1	1	1	7.95	0.01	0.11	0.01	144	1
Test Method	4500-NH3 D		10360		1664A		4500-H+ B		4500-PE		2540 D	
Test Date	04-Dec-13		04-Dec-13		04-Dec-13		03-Dec-13		04-Dec-13		06-Dec-13	
Sample Date	03-Dec-13		03-Dec-13		03-Dec-13		03-Dec-13		03-Dec-13		03-Dec-13	
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 Date												
Sample Type												
Test Result												
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Sample Date												
Sample Type	_											
Average Daily Conc.	1.320		15.000		1.000		7.950		0.110		144.000	
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 quanitative 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 - 2013 6-08-04-04-GML1

Coldwater Road Facility Analytical Parameter Arsenic QL* Chromiun QL* Copper QL* Mercury QL* Nickel QL* Zinc Amenable Cyanide QL*

City of Flint Sewer User Self-Monitoring Report

Units	mg/L		mg/L		mg/L		ma/L		mg/L		mg/L		mg/L	
Offics			i -				3		· ·		y		Ĭ i	
	Sample one (1)	batch of	Sample one (1)	batch of	Sample one (1)	batch of	Sample one (1)	batch of	Sample one (1) ba	atch of	Sample one (1) b	atch of	Sample one (1) bat	.ch of
Sampling Frequency	accumulated wa	astewater	accumulated was	stewater	accumulated was	stewater	accumulated wa	astewater	accumulated wast	ewater	accumulated was	tewater	accumulated wastewa	
Sampling Frequency	prior to dischar	ge, once	prior to discharg	e, once	prior to discharg	je, once	prior to dischar	ge, once	prior to discharge	, once	prior to discharge	e, once	to discharge, once eve	ery three
	every three (3)	months.	every three (3) r	nonths.	every three (3) r	months.	every three (3)	months.	every three (3) m	onths.	every three (3) months.		(3) months.	
Daily Maximum Limit	0.048		0.319	0.319			0.000012		0.795		0.445		N/A	
Maximum Limit	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	
Monthly Average Limit	N/A		N/A				N/A		N/A		N/A		N/A	
Test Result	0.023	0.002	0.050	0.005	1.16	0.004	0.000	0.0002	0.281	0.005	0.005	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	13-Dec-13		13-Dec-13		13-Dec-13		06-Dec-13		13-Dec-13		13-Dec-13		09-Dec-13	
Sample Date	03-Dec-13		03-Dec-13		03-Dec-13		03-Dec-13		03-Dec-13		03-Dec-13		03-Dec-13	
Sample Type	wastewater		wastewater		wastewater		wastewater		wastewater		wastewater		wastewater	
Test Result														
Test Method														
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Average Daily Conc.	0.023		0.050		1.160		0.000		0.281		0.005		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 quanitative 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 - 2013 6-08-04-04-GML1

	Beginning Flow	End Flow	Gallons	Begin Time	End Time	Average Flow	Temperature at Discharge		
Date	Meter Reading	Meter Reading	Discharged	of Discharge	of Discharge	(gal/min)	(C)	(F)	рН
12/13/2013	486,005	488,091	2,086	9:00	10:45	19.9	8.9	48.0	7.95

Total Discharge Volume: 2,086
Average Volume per Discharge: 2,086

NOTES:



Analytical Laboratory Report

Report ID: S59214.01(01) Generated on 12/16/2013

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 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): S59214.01 Project: Coldwater Rd Landfill Collected Date: 12/03/2013

Submitted Date/Time: 12/03/2013 14:15

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

Violetta F. Murshall



Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID Sample Tag Matrix Collected Date/Time

S59214.01 04-PRCC-13 Wastewater 12/03/2013 09:30



Analytical Laboratory Report

Lab Sample ID: S59214.01 Sample Tag: 04-PRCC-13

Collected Date/Time: 12/03/2013 09:30

Matrix: Wastewater COC Reference: 78132

Sample Containers

#	Туре	Preservative(s)		Refrigerated?	Arrival Ten	np. (C) Theri	mometer #			
1	500ml Plastic	None		Yes	4.9	IR				
1	250ml Plastic	H2SO4		Yes	4.9	IR				
1	125ml Plastic	HNO3		Yes	4.9	IR				
1	32oz Glass	HCL		Yes	4.9	IR				
1	125ml Plastic	NaOH		Yes	4.9	IR				
Ana	lysis		Results	Units	RL	Method	Run Date/Time	Analy	st CAS#	Flags
Ext	raction / Prep.									
Mer	cury Digestion		Completed			E245.1	12/06/13 09:30	CCM		
Meta	al Digestion		Completed			SW3015A	12/13/13 13:00	PER		
Inoi	ganics									
Ame	enable Cyanide		Not detected	mg/L	0.005	E335.4/SM450	00-CN 2/09/13 13:08	JDP	57-12-5AM	
Amr	monia-N (Undistilled)		1.32	mg/L	0.02	SM4500-NH3	D 12/04/13 16:47	MJC	7664-41-7	
Oil 8	& Grease n-Hexane Extract.		1	mg/L	1	E1664A	12/04/13 12:00	RGS		
TBC	D5 - Set		Completed	mg/L		10360	12/04/13 10:00	ASB		
TBC	DD5		15	mg/L	1	10360	12/09/13 11:30	ASB		
Tota	al Phosphorus		0.11	mg/L	0.01	SM4500-PE	12/04/13 12:31	MJC	7723-14-0	
Tota	al Suspended Solids		144	mg/L	1	SM2540D	12/06/13 18:30	ASB		
Met	als									
Arse	enic		0.023	mg/L	0.002	E200.8	12/13/13 15:40	PER	7440-38-2	
Chr	omium		0.050	mg/L	0.005	E200.8	12/13/13 15:40	PER	7440-47-3	
Сор	per		1.16	mg/L	0.005	E200.8	12/13/13 15:40	PER	7440-50-8	
Mer	cury		Not detected	mg/L	0.0002	E245.1	12/06/13 14:42	CCM	7439-97-6	
Nick	tel		0.281	mg/L	0.005	E200.8	12/13/13 15:40	PER	7440-02-0	
Zinc	;		0.005	mg/L	0.005	E200.8	12/13/13 15:40	PER	7440-66-6	



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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78132

REPOR	т то		Laporatories, inc.	CH	AIN C)F C	วบร	ST	OD	ΥΙ	RE	CO	RD											INV	OIC	Е ТО
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Quality Control Report

Report ID: QC-S59214.01(01) Generated on 12/16/2013

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): S59214.01 Project: Coldwater Rd Landfill

Submitted Date/Time: 12/03/2013 14:15

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 4-10)

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.

Barbara Ball

Quality Assurance Manager

Bartara Ball

QC Report - Analysis Summary

Lab Sample ID: S59214.01 Sample Tag: 04-PRCC-13

Collected Date/Time: 12/03/2013 09:30

Matrix: Wastewater COC Reference: 78132

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	· QC Types
Inorganics						
Amenable Cyanide	E335.4/SM4500-CN	N 12/09/13 13:08	CN131209-W1	CN131209-W1	No	BLK/LCS/MS/MSD/DUP
Ammonia-N (Undistilled)	SM4500-NH3 D	12/04/13 16:47	AMN131204	AMN131204	No	BLK/LCS/MS/DUP
Oil & Grease n-Hexane Extract.	E1664A	12/04/13 12:00	OGHEX131204W01	OGHEX131204W01	No	BLK/LCS
Total Phosphorus	SM4500-PE	12/04/13 12:31	PHS131204	PHS131204	No	BLK/LCS/MS/DUP
Total Suspended Solids	SM2540D	12/06/13 18:30	TSS131206	TSS131206	No	BLK/LCS/DUP
Metals						
Arsenic	E200.8	12/13/13 15:40	MT2-13-1213A	MTD-121313-4	No	LCS/BLK/MS/MSD
Chromium	E200.8	12/13/13 15:40	MT2-13-1213A	MTD-121313-4	No	LCS/BLK/MS/MSD
Copper	E200.8	12/13/13 15:40	MT2-13-1213A	MTD-121313-4	No	LCS/BLK/MS/MSD
Mercury	E245.1	12/06/13 14:42	HG2-13-1206A	HGD-120613-1	No	LCS/BLK/MS/MSD/DUP
Nickel	E200.8	12/13/13 15:40	MT2-13-1213A	MTD-121313-4	No	LCS/BLK/MS/MSD
Zinc	E200.8	12/13/13 15:40	MT2-13-1213A	MTD-121313-4	No	LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Inorganics,	Prep Batch ID: AMN131204			
Surrogates: N	lo, QC Types: BLK/LCS/MS/DUP			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59214.01	Ammonia-N (Undistilled)	SM4500-NH3 D	12/04/13 16:47	AMN131204
Inorganics,	Prep Batch ID: CN131209-W1			
Surrogates: N	lo, QC Types: BLK/LCS/MS/MSD/DUP			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59214.01	Amenable Cyanide	E335.4/SM4500-CI	N 12/09/13 13:08	CN131209-W1
Inorganics,	Prep Batch ID: OGHEX131204W01			
Surrogates: N	lo, QC Types: BLK/LCS			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59214.01	Oil & Grease n-Hexane Extract.	E1664A	12/04/13 12:00	OGHEX131204W01
Inorganics.	Prep Batch ID: PHS131204			
	lo, QC Types: BLK/LCS/MS/DUP			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59214.01	Total Phosphorus	SM4500-PE	12/04/13 12:31	PHS131204
Inorganics	Prep Batch ID: TSS131206			
	lo, QC Types: BLK/LCS/DUP			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59214.01	Total Suspended Solids	SM2540D	12/06/13 18:30	TSS131206
	o Batch ID: HGD-120613-1			
Surrogates: N	o, QC Types: LCS/BLK/MS/MSD/DUP			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59214.01	Mercury	E245.1	12/06/13 14:42	HG2-13-1206A
Metals, Pre	p Batch ID: MTD-121313-4			
Surrogates: N	lo, QC Types: LCS/BLK/MS/MSD			
Sample ID	Analysis	Method	Run Date/Time	Batch ID
S59214.01	Arsenic	E200.8	12/13/13 15:40	MT2-13-1213A
S59214.01	Chromium	E200.8	12/13/13 15:40	MT2-13-1213A
S59214.01	Copper	E200.8	12/13/13 15:40	MT2-13-1213A
S59214.01	Nickel	E200.8	12/13/13 15:40	MT2-13-1213A

E200.8

12/13/13 15:40 MT2-13-1213A

S59214.01

Zinc

Inorganics, Prep Batch ID: AMN131204

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

Blank (BLK)

Lab Sample ID: AMN131204.LRB1

Run in Batch: AMN131204, Run Date: 12/04/2013 09	9:34, Prep	Date: 12/0	4/2013,	Matrix: Liquid,	Dilution: 1
Analyte	Flags	Conc	RDL	Units	
Ammonia-N (Undistilled)		ND	0.02	mg/L	

Laboratory Control Sample (LCS)

Lab Sample ID: AMN131204.LCS1

Run in Batch: AMN131204, Run Date: 12/04/2013 10):10, Prep	Date: 12/04	1/2013,	Matrix: Liquid,	Dilution: 1
Analyte	Flags	% Rec	LCL	UCL	
Ammonia-N (Undistilled)		101	90	110	

Matrix Spike (MS)

Lab Sample ID: AMN131204.MS1, Parent Sample ID: S59203.01

Run in Batch: AMN131204,	Run Date: 12/04/2013	3 10:45, Pre	p Date: 12/0	4/2013,	Matrix: Liquid,	Dilution: 1	 _
Analyte		Flags	% Rec	LCL	UCL		
Ammonia-N (Undistilled)			103	80	120		

Matrix Spike (MS)

Lab Sample ID: AMN131204.MS2, Parent Sample ID: S59210.03

Run in Batch: AMN131204, Run Date: 12/04/2013 13	3:12, Prep	Date: 12/04	4/2013,	Matrix: Liquid, [Dilution: 1
Analyte	Flags	% Rec	LCL	UCL	
Ammonia-N (Undistilled)		102	80	120	

Duplicate (DUP)

Lab Sample ID: AMN131204.DP1, Parent Sample ID: S59210.01

Run in Batch: AMN131204,	Run Date: 12/0	/04/2013 12:08,	Prep Date	: 12/04/2013,	Matrix: Liquid,	Dilution: 1	
Analyte		Fla	ae DD	D BDD	Cl		

Analyte	Flags	RPD	RPD CL
Ammonia-N (Undistilled)		3.9	20

Inorganics, Prep Batch ID: CN131209-W1

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

Blank (BLK)

Lab Sample ID: CN131209-W1.LRB1

Run in Batch: CN131209-W1, Run Date: 12/09/2013	13:00,	Prep Date:	12/09/2013,	Matrix: Liquid,	Dilution: 1	
Analyte	Flags	Conc	RDL	Units		
Amenable Cyanide		ND	0.005	mg/L		

Laboratory Control Sample (LCS)

Lab Sample ID: CN131209-W1.LCS1

Run in Batch: CN131209-W1,	Run Date: 12/09/2013 13:06,	Prep Date:	12/09/2013,	Matrix: Liquid,	Dilution: 1	
Analyte	Flags	% Rec	: LCL	UCL		
Amenable Cyanide		98	90	110	•	

Matrix Spike (MS)

Lab Sample ID: CN131209-W1.MS1, Parent Sample ID: S59214.01

Run in Batch: CN131209-W1,	Run Date: 12/09/2013	13:12,	Prep Date:	12/09/2013,	Matrix: Liquid,	Dilution: 1	
Analyte		Flags	% Rec	LCL	UCL		
Amenable Cyanide			93	90	110		

Matrix Spike Duplicate (MSD)

Lab Sample ID: CN131209-W1.MSD1, Parent Sample ID: CN131209-W1.MS1

Run in Batch: CN131209-W1,	Run Date: 12/09/2013	13:14,	Prep Date:	12/09/2013,	Matrix: Liquid,	Dilution: 1	
Analyte		Flags	% Rec	LCL	UCL	RPD	RPD CL
Amenable Cyanide			92	80	120	1	15

Duplicate (DUP)

Lab Sample ID: CN131209-W1.DP1, Parent Sample ID: S59214.01

Run in Batch: CN131209-W1, Run Date: 12/09/2013 13:10, Prep Date: 12/09/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Amenable Cyanide		<1	15

Inorganics, Prep Batch ID: OGHEX131204W01

Surrogates: No, QC Types: BLK/LCS

Blank (BLK)

Lab Sample ID: OGHEX131204W01.LRB1

Run in Batch: OGHEX131204W01, Run Date: 12/04/	<u>/2013 12:0</u>	0, Prep Dat	te: 12/04/2	2013, Matrix: Liq	uid, Dilution: 1
Analyte	Flags	Conc	RDL	Units	
Oil & Grease n-Hexane Extract.		ND	1	mg/L	

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX131204W01.LCS1

Run in Batch: OGHEX131204W01, Run Date	e: 12/04/2013 12:00	, Prep Da	te: 12/04/2	2013, Matrix: L	_iquid, Dilution: 1	
Analyte	Flags	% Rec	LCL	UCL		
Oil & Grease n-Hexane Extract.		98	78	114		

Laboratory Control Sample (LCS)

Lab Sample ID: OGHEX131204W01.LCS2

Run in Batch: OGHEX131204W01, R	un Date: 12/04/2013 12:00	, Prep Dat	e: 12/04/2	2013, Matrix: L	iquid, Dilution: 1	
Analyte	Flags	% Rec	LCL	UCL		
Oil & Grease n-Hexane Extract.		92	78	114		

0.01

mg/L

Inorganics, Prep Batch ID: PHS131204

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

Blank (BLK)

Lab Sample ID: PHS131204.LRB1

Run in Batch: PHS131204,	Run Date: 12/04/2013 11:43, F	<u> Prep Date: 12/04/201</u>	Matrix: Liquid	, Dilution: 1
Analyte	Flag	s Conc RI	DL Units	

Total Phosphorus ND

Blank (BLK)

Lab Sample ID: PHS131204.LRB2

Run in Batch: PHS131204, Run Date: 12/04/2013 11:59, Prep Date: 12/04/2013, Matrix: Liquid, Dilution: 1

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

Laboratory Control Sample (LCS)

Lab Sample ID: PHS131204.LCS1

Run in Batch: PHS131204, Run Date: 12/04/2013 12:05, Prep Date: 12/04/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		106	90	110

Matrix Spike (MS)

Lab Sample ID: PHS131204.MS1, Parent Sample ID: S59193.01

Run in Batch: PHS131204, Run Date: 12/04/2013 16:42, Prep Date: 12/04/2013, Matrix: Liquid, Dilution: 1

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Analyte	Flags	% Rec	LCL	UCL	
Total Phosphorus		102	80	120	

Matrix Spike (MS)

Lab Sample ID: PHS131204.MS2, Parent Sample ID: S59214.01

Run in Batch: PHS131204, Run Date: 12/04/2013 16:49, Prep Date: 12/04/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Phosphorus		93	80	120

Duplicate (DUP)

Lab Sample ID: PHS131204.DP1, Parent Sample ID: S59203.01

Run in Batch: PHS131204, Run Date: 12/04/2013 16:46, Prep Date: 12/04/2013, Matrix: Liquid, Dilution: 1

Analyte		Flags	RPD	RPD CL	
T-t-l Db b				20	
Lotal Phosphorus			h./	20	

Inorganics, Prep Batch ID: TSS131206

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

Blank (BLK)

Lab Sample ID: TSS131206.LRB1

Run in Batch: TSS131206,	Run Date: 12/06/2013 18:30, Pre	ep Date:	12/06/2013,	Matrix: Liquid,	Dilution: 1
Analyte	Flags	Cor	nc RDL	Units	

Total Suspended Solids ND 1 mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: TSS131206.LCS1

Run in Batch: TSS131206, Run Date: 12/06/2013 18:30, Prep Date: 12/06/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Total Suspended Solids		98	75	116

Duplicate (DUP)

Lab Sample ID: TSS131206.DP1, Parent Sample ID: S59284.01

Run in Batch: TSS131206, Run Date: 12/06/2013 18:30, Prep Date: 12/06/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Total Suspended Solids		2	15

Metals, Prep Batch ID: HGD-120613-1

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

Laboratory Control Sample (LCS)

Lab Sample ID: HG2-13-1206A.016.LCS

Run in Batch: HG2-13-1206A, Run Date: 12/06/2013	<u>14:03,</u>	Prep Date:	12/06/2013 <u>,</u>	Matrix: Liquid,	Dilution: 1	
Analyte	Flags	% Rec	LCL	UCL		
Mercury		106	85	115		

Blank (BLK)

Lab Sample ID: HG2-13-1206A.017.LRB

Rui	<u>n in Batch: HG2-13-1206A,</u>	Run Date: 12	<u>//06/2013 14:05</u>	Prep Date:	12/06/2013,	Matrix: Liquid,	Dilution: 1	
Ana	alyte		Flag	Conc	RDL	Units		
Ме	rcury			ND	0.03	ug/L		

Matrix Spike (MS)

Lab Sample ID: HG2-13-1206A.030.MS, Parent Sample ID: S59202.01

Run in Batch: HG2-13-1206A,	Run Date: 12/06/2013 14:30,	Prep Date:	12/06/2013,	Matrix: Liquid,	Dilution: 2
Analyte	Flags	% Rec	LCL	UCL	
Mercury		103	80	120	

Matrix Spike (MS)

Lab Sample ID: HG2-13-1206A.044.MS, Parent Sample ID: S59232.02

Run in Batch: HG2-13-1206A,	Run Date: 12/06/	/2013 14:58,	Prep Date:	12/06/2013,	Matrix: Liquid,	Dilution: 1	
Analyte		Flags	% Rec	LCL	UCL		
Mercury			100	80	120		

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-13-1206A.031.MSD, Parent Sample ID: HG2-13-1206A.030.MS

Run in Batch: HG2-13-1206A,	Run Date: 12/06/2013	14:32,	Prep Date:	12/06/2013,	Matrix: Liquid,	Dilution: 2	<u>}</u>
Analyte		Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury			105	80	120	1	20

Matrix Spike Duplicate (MSD)

Lab Sample ID: HG2-13-1206A.045.MSD, Parent Sample ID: HG2-13-1206A.044.MS

Run in Batch: HG2-13-1206A,	Run Date:	12/06/2013 15:00,	Prep Date:	12/06/2013,	Matrix: Liquid,	Dilution: 1	
Analyte		Flags	% Rec	LCL	UCL	RPD	RPD CL

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Mercury		100	80	120	0	20

Metals, Prep Batch ID: MTD-121313-4

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

Laboratory Control Sample (LCS)

Lab Sample ID: MT2-13-1213A.018.LCS

Run in Batch: MT2-13-1213A, Run Date: 12/13/2013 14:53, Prep Date: 12/13/2013, Matrix: Liquid, Dilution: 1

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Analyte	Flags	% Rec	LCL	UCL	
Arsenic		98	85	115	
Chromium		100	85	115	
Copper		99	85	115	
Nickel		97	85	115	
Zinc		99	85	115	

Blank (BLK)

Lab Sample ID: MT2-13-1213A.019.LRB

Run in Batch: MT2-13-1213A, Run Date: 12/13/2013 15:03, Prep Date: 12/13/2013, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0004	mg/L
Chromium		ND	0.001	mg/L
Copper		ND	0.002	mg/L
Nickel		ND	0.001	mg/L
Zinc		ND	0.001	mg/L

Matrix Spike (MS)

Lab Sample ID: MT2-13-1213A.031.MS, Parent Sample ID: S59147.02

Run in Batch: MT2-13-1213A, Run Date: 12/13/2013 15:57, Prep Date: 12/13/2013, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		98	75	125
Chromium		98	75	125
Copper		98	75	125
Nickel		99	75	125
Zinc		98	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT2-13-1213A.032.MSD, Parent Sample ID: MT2-13-1213A.031.MS

Run in Batch: MT2-13-1213A, Run Date: 12/13/2013 15:59, Prep Date: 12/13/2013, Matrix: Liquid, Dilution: 5

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Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		101	75	125	3	20
Chromium		93	75	125	5	20
Copper		94	75	125	4	20
Nickel		96	75	125	3	20
Zinc		96	75	125	2	20



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