



July 31, 2017

Reference No. 012610

City of Bay City WWTP
Attn: IPP Coordinator
2905 North Water Street
Bay City, Michigan
U.S.A. 48708

To Whom It May Concern:

**Re: Semi-Annual Compliance Report (January 1 to June 30, 2017)
RACER Bay City Industrial Land
Bay City, Michigan**

The following letter has been prepared by GHD on behalf of Revitalizing Auto Communities Environmental Response Trust (RACER) in accordance with Part 4 Section 3 of Industrial User (IU) permit No. 120807 as the semi-annual compliance report for the period January 1 to June 30, 2017 for RACER's groundwater extraction and treatment system located at the north end of Crotty Street in Bay City, Michigan (Site).

The groundwater extraction and treatment system operated consistently for the semi-annual period with the exception of short periods when the system was down for maintenance or as a result of an alarm condition. In addition, the groundwater extraction and treatment system was inoperable most of April due to the inundation of water from spring melt and spring rains in the system.

Table 1 presents the results of the required semi-annual effluent sample collected from the RACER groundwater extraction and treatment system on May 9, 2017. Attachment 1 presents a copy of the laboratory analytical report. The analytical results did not identify an exceedance of the daily maximum discharge levels specified in the permit, and there were no other conditions, events or circumstances identified that did not meet other permit requirements. Table 2 presents the flow readings collected periodically from the flow meter. As identified to you in a June 14, 2017 email, the flow volumes appear to be light when compared to previous flow rates. Adjustments to the piping and/or the flow meter are being made to improve the accuracy of the flow volumes.

The RACER groundwater extraction and treatment system is operated and maintained by Steve Hoevemeyer (GHD) who maintains the designation of Waste Treatment Plan Operator – Industrial or Commercial (A-1d Impoundment, A-2b Filtration of Wastewater, B-2c Oil-Water Separation, and B-3b Carbon Adsorption).

See Attachment 2 for the certification statement prepared in accordance with Section 106-23(d) of the Bay City sewer ordinance.



Should you have any questions on the above, please do not hesitate to contact us.

Sincerely,

GHD

A handwritten signature in black ink, appearing to read "J. Pardys", with a stylized flourish at the end.

John-Eric Pardys, P.Eng.

JEP/kf/2

cc: Grant Trigger (RACER)
Dave Favero (RACER)

Encl. Table 1 – Effluent Results Summary
Table 2 – Flow Meter Readings
Attachment 1 – Laboratory Analytical Report
Attachment 2 – Certification Statement

Table 1

**Analytical Results Summary
Effluent Sampling
Bay City Industrial Land
Bay City, Michigan**

Sample Location:

Sample ID:

Sample Date:

effluent-GWTS

WT-12610-050917-SSH-01-17

05/09/17

Parameters**Units****Daily Maximum
(Bay City Industrial User Permit)****VOAs**

Vinyl chloride

mg/L

0.002

0.001 U

Metals

Cadmium

mg/L

0.057

0.002 U

Chromium

mg/L

6.812

0.00056 J

Copper

mg/L

1.476

0.0063 J

Iron

mg/L

0.1 U

Lead

mg/L

0.632

0.003 U

Mercury

mg/L

ND

0.0002 U

Nickel

mg/L

2.548

0.0028 J

Silver

mg/L

0.2

0.005 U

Pesticides

Aroclor-1016 (PCB-1016)

mg/L

ND

0.000095 U

Aroclor-1221 (PCB-1221)

mg/L

ND

0.000095 U

Aroclor-1232 (PCB-1232)

mg/L

ND

0.000095 U

Aroclor-1242 (PCB-1242)

mg/L

ND

0.000095 U

Aroclor-1248 (PCB-1248)

mg/L

ND

0.000095 U

Aroclor-1254 (PCB-1254)

mg/L

ND

0.000095 U

Aroclor-1260 (PCB-1260)

mg/L

ND

0.000095 U

Wet

Ammonia

mg/L

30

2.0 U

Biochemical oxygen demand (BOD)

mg/L

835

2.0 U

Chemical oxygen demand (COD)

mg/L

1670

21

Oil and grease (HEM), polar

mg/L

100

1.2 J

pH, lab

s.u.

6.5 to 11.0

7.9 HF

Phosphorus

mg/L

13.8

0.10 U

Total suspended solids (TSS)

mg/L

1336

4.0 U

Footnotes:

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

U Not detected at the associated reporting limit.

Table 2

**Flow Meter Readings
Bay City Industrial Land
Bay City, Michigan**

Date	Flow Meter reading (gallons)	Cumulative Total: (gallons)	Volume to be invoiced annually (July to June 30)	Comments
16-Jun-14	4593	18950	18950	- City invoiced for discharge
28-Jul-14	4593	18950		
18-Aug-14	4593	18950		
5-Sep-14	6337	20694		- Collected effluent sample
23-Sep-14	11504	25861		
23-Oct-14	31004	45361		
26-Nov-14	31004	45361		
29-Dec-14	31004	45361		
27-Jan-15	31004	45361		
13-Feb-15	46303	60660		
16-Mar-15				
19-Mar-15	67425	81782		
30-Apr-15	175234	189591		
6-May-15	197766	212123		
18-Jun-15	224490	238847		
25-Jun-15	232315	246672		
30-Jun-15	232315	246672		
29-Jul-15	232315	246672		
28-Aug-15	241397	255754		
29-Sep-15	252638	266995		
30-Oct-15	260771	275128		
23-Nov-15	289731	304088		
10-Dec-15				
30-Dec-15	351550	365907		- Collected effluent sample
10-Feb-16	387410	401767		
29-Feb-16	394550	408907		
21-Mar-16	409836	424193		
27-Apr-16	462204	476561		
31-May-16	521920	536277		
14-Jun-16	528259	542616		
29-Jun-16	556457	570814		
20-Jul-16	561893	576250		
31-Aug-16	607298	621655		
30-Sep-16	607717	622074		
28-Oct-16	608865	623222		
11-Nov-16	608980	623337		
16-Dec-16	609074	623431		
14-Jan-17	609074	623431		
14-Jan-17	0	623431		
16-Jan-17				
2-Feb-17	5813	629244		
27-Apr-17	55126	678557		
9-May-17				
22-May-17	56722	680153	137544	- Collected effluent sample
13-Jun-17	56729	680160		
28-Jun-17	56911	680342		
12-Jul-17	60991	684422		

Attachment 1

Laboratory Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-79295-1

Client Project/Site: 12610-T04, RACER Bay City

For:

GHD Services Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Ms. Ruth Mickle



Authorized for release by:

5/18/2017 6:58:43 AM

Denise Heckler, Project Manager II

(330)966-9477

denise.heckler@testamericainc.com

LINKS

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Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Job ID: 240-79295-1

Laboratory: TestAmerica Canton

Narrative

Job Narrative 240-79295-1

Comments

No additional comments.

Receipt

The sample was received on 5/10/2017 9:40 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method(s) 608: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: WT-12610-050917-SSH-01-17 (240-79295-1).3029030, 2596993, 2719940.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 200.7 Rev 4.4, 6010B: Some requested practical quantitation limits (PQLs) on the following samples fall below the laboratory's verified standard quantitation limit: WT-12610-050917-SSH-01-17 (240-79295-1). The continuing calibration blanks and method blanks may not support the lower PQL.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method(s) 3520C, 608: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-278493.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
s	Seeded Control Blank (SCB) Recovery High

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-79295-1	WT-12610-050917-SSH-01-17	Water	05/09/17 08:00	05/10/17 09:40

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Detection Summary

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Client Sample ID: WT-12610-050917-SSH-01-17

Lab Sample ID: 240-79295-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.56	J	5.0	0.55	ug/L	1		200.7 Rev 4.4	Total
Copper	6.3	J	20	3.9	ug/L	1		200.7 Rev 4.4	Recoverable
Nickel	2.8	J	20	1.6	ug/L	1		200.7 Rev 4.4	Total
HEM	1.2	J	4.8	0.98	mg/L	1		1664A	Total/NA
Chemical Oxygen Demand	21		10	4.1	mg/L	1		410.4	Total/NA
pH	7.9	HF	0.1	0.1	SU	1		4500 H+ B-2000	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Method Summary

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL CAN
608	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL CAN
200.7 Rev 4.4	Metals (ICP)	EPA	TAL CAN
245.1	Mercury (CVAA)	EPA	TAL CAN
1664A	HEM and SGT-HEM	1664A	TAL CAN
350.2	Nitrogen, Ammonia, Distillation	MCAWW	TAL CAN
410.4	COD	MCAWW	TAL CAN
4500 H+ B-2000	pH	SM	TAL CAN
5210B-2001	BOD, 5-Day	SM	TAL CAN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL CAN
SM4500 P E-1999	Phosphorus	SM	TAL CAN

Protocol References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Client Sample Results

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WT-12610-050917-SSH-01-17

Date Collected: 05/09/17 08:00

Date Received: 05/10/17 09:40

Lab Sample ID: 240-79295-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.45	ug/L			05/11/17 06:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		69 - 120					05/11/17 06:29	1
1,2-Dichloroethane-d4 (Surr)	100		61 - 138					05/11/17 06:29	1
Toluene-d8 (Surr)	95		73 - 120					05/11/17 06:29	1

TestAmerica Canton

Client Sample Results

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Client Sample ID: WT-12610-050917-SSH-01-17

Date Collected: 05/09/17 08:00

Date Received: 05/10/17 09:40

Lab Sample ID: 240-79295-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.095	U	0.095	0.048	ug/L		05/11/17 09:34	05/13/17 23:18	1
Aroclor-1221	0.095	U	0.095	0.086	ug/L		05/11/17 09:34	05/13/17 23:18	1
Aroclor-1232	0.095	U	0.095	0.067	ug/L		05/11/17 09:34	05/13/17 23:18	1
Aroclor-1242	0.095	U	0.095	0.057	ug/L		05/11/17 09:34	05/13/17 23:18	1
Aroclor-1248	0.095	U	0.095	0.048	ug/L		05/11/17 09:34	05/13/17 23:18	1
Aroclor-1254	0.095	U	0.095	0.029	ug/L		05/11/17 09:34	05/13/17 23:18	1
Aroclor-1260	0.095	U	0.095	0.038	ug/L		05/11/17 09:34	05/13/17 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		10 - 114				05/11/17 09:34	05/13/17 23:18	1
Tetrachloro-m-xylene	40		15 - 131				05/11/17 09:34	05/13/17 23:18	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Client Sample ID: WT-12610-050917-SSH-01-17

Date Collected: 05/09/17 08:00

Date Received: 05/10/17 09:40

Lab Sample ID: 240-79295-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	5.0	U	5.0	0.92	ug/L		05/11/17 14:00	05/12/17 21:13	1
Cadmium	2.0	U	2.0	0.29	ug/L		05/11/17 14:00	05/12/17 21:13	1
Chromium	0.56	J	5.0	0.55	ug/L		05/11/17 14:00	05/12/17 21:13	1
Copper	6.3	J	20	3.9	ug/L		05/11/17 14:00	05/12/17 21:13	1
Iron	100	U	100	25	ug/L		05/11/17 14:00	05/12/17 21:13	1
Nickel	2.8	J	20	1.6	ug/L		05/11/17 14:00	05/12/17 21:13	1
Lead	3.0	U	3.0	1.9	ug/L		05/11/17 14:00	05/12/17 21:13	1

TestAmerica Canton

Client Sample Results

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method: 245.1 - Mercury (CVAA)

Client Sample ID: WT-12610-050917-SSH-01-17

Date Collected: 05/09/17 08:00

Date Received: 05/10/17 09:40

Lab Sample ID: 240-79295-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.13	ug/L	—	05/11/17 14:00	05/12/17 13:02	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

General Chemistry

Client Sample ID: WT-12610-050917-SSH-01-17

Date Collected: 05/09/17 08:00

Date Received: 05/10/17 09:40

Lab Sample ID: 240-79295-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	1.2	J	4.8	0.98	mg/L			05/17/17 08:22	1
Ammonia (as N)	2.0	U	2.0	0.46	mg/L		05/15/17 08:00	05/15/17 14:39	1
Chemical Oxygen Demand	21		10	4.1	mg/L			05/11/17 11:36	1
pH	7.9	HF	0.1	0.1	SU			05/10/17 11:58	1
Biochemical Oxygen Demand	2.0	U	2.0	1.2	mg/L			05/10/17 14:43	1
Total Suspended Solids	4.0	U	4.0	2.2	mg/L			05/11/17 10:56	1
Total Phosphorus as P	0.10	U	0.10	0.037	mg/L			05/16/17 11:07	1

TestAmerica Canton

QC Association Summary

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

GC/MS VOA

Analysis Batch: 278401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	624	
MB 240-278401/7	Method Blank	Total/NA	Water	624	
LCS 240-278401/4	Lab Control Sample	Total/NA	Water	624	

GC Semi VOA

Prep Batch: 278493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	608	
MB 240-278493/16-A	Method Blank	Total/NA	Water	608	
LCS 240-278493/17-A	Lab Control Sample	Total/NA	Water	608	

Analysis Batch: 278828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	608	278493
MB 240-278493/16-A	Method Blank	Total/NA	Water	608	278493
LCS 240-278493/17-A	Lab Control Sample	Total/NA	Water	608	278493

Metals

Prep Batch: 278504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total Recoverable	Water	200.7	
MB 240-278504/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 240-278504/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 278509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	245.1	
MB 240-278509/1-A	Method Blank	Total/NA	Water	245.1	
LCS 240-278509/2-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 278745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	245.1	278509
MB 240-278509/1-A	Method Blank	Total/NA	Water	245.1	278509
LCS 240-278509/2-A	Lab Control Sample	Total/NA	Water	245.1	278509

Analysis Batch: 278752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total Recoverable	Water	200.7 Rev 4.4	278504
MB 240-278504/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	278504
LCS 240-278504/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	278504

General Chemistry

Analysis Batch: 278349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	4500 H+ B-2000	
LCS 240-278349/2	Lab Control Sample	Total/NA	Water	4500 H+ B-2000	

TestAmerica Canton

QC Association Summary

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

General Chemistry (Continued)

Analysis Batch: 278349 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1 DU	WT-12610-050917-SSH-01-17	Total/NA	Water	4500 H+ B-2000	

Analysis Batch: 278392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	5210B-2001	
SCB 240-278392/2	Method Blank	Total/NA	Water	5210B-2001	
USB 240-278392/1	Method Blank	Total/NA	Water	5210B-2001	
LCS 240-278392/3	Lab Control Sample	Total/NA	Water	5210B-2001	

Analysis Batch: 278440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	410.4	
MB 240-278440/40	Method Blank	Total/NA	Water	410.4	
MB 240-278440/9	Method Blank	Total/NA	Water	410.4	
LCS 240-278440/10	Lab Control Sample	Total/NA	Water	410.4	
LCS 240-278440/41	Lab Control Sample	Total/NA	Water	410.4	

Analysis Batch: 278517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	SM 2540D	
MB 240-278517/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 240-278517/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Prep Batch: 278971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	Distill/Ammonia	
MB 240-278971/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	
LCS 240-278971/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 278973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	350.2	278971
MB 240-278971/1-A	Method Blank	Total/NA	Water	350.2	278971
LCS 240-278971/2-A	Lab Control Sample	Total/NA	Water	350.2	278971

Analysis Batch: 279109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	SM4500 P E-1999	
MB 240-279109/3	Method Blank	Total/NA	Water	SM4500 P E-1999	
LCS 240-279109/4	Lab Control Sample	Total/NA	Water	SM4500 P E-1999	

Analysis Batch: 279239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-79295-1	WT-12610-050917-SSH-01-17	Total/NA	Water	1664A	
MB 240-279239/1	Method Blank	Total/NA	Water	1664A	
LCS 240-279239/2	Lab Control Sample	Total/NA	Water	1664A	

TestAmerica Canton

QC Sample Results

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-278401/7

Matrix: Water

Analysis Batch: 278401

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.45	ug/L	-		05/10/17 18:23	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		69 - 120					05/10/17 18:23	1
1,2-Dichloroethane-d4 (Surr)	93		61 - 138					05/10/17 18:23	1
Toluene-d8 (Surr)	98		73 - 120					05/10/17 18:23	1

Lab Sample ID: LCS 240-278401/4

Matrix: Water

Analysis Batch: 278401

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	20.0	18.7		ug/L	-	94	10 - 251
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		69 - 120				
1,2-Dichloroethane-d4 (Surr)	91		61 - 138				
Toluene-d8 (Surr)	98		73 - 120				

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 240-278493/16-A

Matrix: Water

Analysis Batch: 278828

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 278493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.10	U	0.10	0.050	ug/L	-	05/11/17 09:34	05/13/17 20:38	1
Aroclor-1221	0.10	U	0.10	0.090	ug/L	-	05/11/17 09:34	05/13/17 20:38	1
Aroclor-1232	0.10	U	0.10	0.070	ug/L	-	05/11/17 09:34	05/13/17 20:38	1
Aroclor-1242	0.10	U	0.10	0.060	ug/L	-	05/11/17 09:34	05/13/17 20:38	1
Aroclor-1248	0.10	U	0.10	0.050	ug/L	-	05/11/17 09:34	05/13/17 20:38	1
Aroclor-1254	0.10	U	0.10	0.030	ug/L	-	05/11/17 09:34	05/13/17 20:38	1
Aroclor-1260	0.10	U	0.10	0.040	ug/L	-	05/11/17 09:34	05/13/17 20:38	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		10 - 114				05/11/17 09:34	05/13/17 20:38	1
Tetrachloro-m-xylene	78		15 - 131				05/11/17 09:34	05/13/17 20:38	1

Lab Sample ID: LCS 240-278493/17-A

Matrix: Water

Analysis Batch: 278828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 278493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	2.50	1.42		ug/L	-	57	50 - 114
Aroclor-1260	2.50	1.55		ug/L	-	62	8 - 127

TestAmerica Canton

QC Sample Results

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 240-278493/17-A
Matrix: Water
Analysis Batch: 278828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278493

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	65		10 - 114
Tetrachloro-m-xylene	61		15 - 131

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 240-278504/1-A
Matrix: Water
Analysis Batch: 278752

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 278504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	5.0	U	5.0	0.92	ug/L		05/11/17 14:00	05/12/17 10:39	1
Cadmium	2.0	U	2.0	0.29	ug/L		05/11/17 14:00	05/12/17 10:39	1
Chromium	5.0	U	5.0	0.55	ug/L		05/11/17 14:00	05/12/17 10:39	1
Copper	20	U	20	3.9	ug/L		05/11/17 14:00	05/12/17 10:39	1
Iron	100	U	100	25	ug/L		05/11/17 14:00	05/12/17 10:39	1
Nickel	20	U	20	1.6	ug/L		05/11/17 14:00	05/12/17 10:39	1
Lead	3.0	U	3.0	1.9	ug/L		05/11/17 14:00	05/12/17 10:39	1

Lab Sample ID: LCS 240-278504/2-A
Matrix: Water
Analysis Batch: 278752

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 278504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Silver	50.0	50.8		ug/L		102	85 - 115
Cadmium	50.0	53.5		ug/L		107	85 - 115
Chromium	200	200		ug/L		100	85 - 115
Copper	250	253		ug/L		101	85 - 115
Iron	1000	1050		ug/L		105	85 - 115
Nickel	500	503		ug/L		101	85 - 115
Lead	500	502		ug/L		100	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 240-278509/1-A
Matrix: Water
Analysis Batch: 278745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 278509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.13	ug/L		05/11/17 14:00	05/12/17 12:12	1

Lab Sample ID: LCS 240-278509/2-A
Matrix: Water
Analysis Batch: 278745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 278509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	5.00	4.50		ug/L		90	85 - 115

TestAmerica Canton

QC Sample Results

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 240-279239/1

Matrix: Water

Analysis Batch: 279239

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	5.0	U	5.0	1.0	mg/L	-		05/17/17 08:22	1

Lab Sample ID: LCS 240-279239/2

Matrix: Water

Analysis Batch: 279239

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM	40.0	38.90		mg/L	-	97	78 - 114

Method: 350.2 - Nitrogen, Ammonia, Distillation

Lab Sample ID: MB 240-278971/1-A

Matrix: Water

Analysis Batch: 278973

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 278971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	2.0	U	2.0	0.46	mg/L	-	05/15/17 08:00	05/15/17 14:35	1

Lab Sample ID: LCS 240-278971/2-A

Matrix: Water

Analysis Batch: 278973

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 278971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia (as N)	10.3	10.4		mg/L	-	101	82 - 116

Method: 410.4 - COD

Lab Sample ID: MB 240-278440/40

Matrix: Water

Analysis Batch: 278440

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10	U	10	4.1	mg/L	-		05/11/17 11:03	1

Lab Sample ID: MB 240-278440/9

Matrix: Water

Analysis Batch: 278440

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10	U	10	4.1	mg/L	-		05/11/17 10:24	1

Lab Sample ID: LCS 240-278440/10

Matrix: Water

Analysis Batch: 278440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	55.2	50.6		mg/L	-	92	90 - 110

TestAmerica Canton

QC Sample Results

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method: 410.4 - COD (Continued)

Lab Sample ID: LCS 240-278440/41

Matrix: Water

Analysis Batch: 278440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	55.2	56.0		mg/L		102	90 - 110

Method: 4500 H+ B-2000 - pH

Lab Sample ID: LCS 240-278349/2

Matrix: Water

Analysis Batch: 278349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	5.79	5.8		SU		100	97 - 103

Lab Sample ID: 240-79295-1 DU

Matrix: Water

Analysis Batch: 278349

Client Sample ID: WT-12610-050917-SSH-01-17

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.9	HF	7.6		SU		3	20

Method: 5210B-2001 - BOD, 5-Day

Lab Sample ID: SCB 240-278392/2

Matrix: Water

Analysis Batch: 278392

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	1.26	J s	2.0	1.2	mg/L			05/10/17 14:17	1

Lab Sample ID: USB 240-278392/1

Matrix: Water

Analysis Batch: 278392

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	1.2	mg/L			05/10/17 14:15	1

Lab Sample ID: LCS 240-278392/3

Matrix: Water

Analysis Batch: 278392

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	207		mg/L		105	85 - 115

TestAmerica Canton

QC Sample Results

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-278517/1

Matrix: Water

Analysis Batch: 278517

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	2.2	mg/L	-		05/11/17 10:56	1

Lab Sample ID: LCS 240-278517/2

Matrix: Water

Analysis Batch: 278517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	20.7	15.0		mg/L	-	72	64 - 120

Method: SM4500 P E-1999 - Phosphorus

Lab Sample ID: MB 240-279109/3

Matrix: Water

Analysis Batch: 279109

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	0.10	U	0.10	0.037	mg/L	-		05/16/17 10:46	1

Lab Sample ID: LCS 240-279109/4

Matrix: Water

Analysis Batch: 279109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Phosphorus as P	0.665	0.650		mg/L	-	98	77 - 120

TestAmerica Canton

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (69-120)	12DCE (61-138)	TOL (73-120)
240-79295-1	WT-12610-050917-SSH-01-17	96	100	95
LCS 240-278401/4	Lab Control Sample	100	91	98
MB 240-278401/7	Method Blank	97	93	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (10-114)	TCX2 (15-131)
240-79295-1	WT-12610-050917-SSH-01-17	54	40
LCS 240-278493/17-A	Lab Control Sample	65	61
MB 240-278493/16-A	Method Blank	84	78

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

Client Sample ID: WT-12610-050917-SSH-01-17

Lab Sample ID: 240-79295-1

Date Collected: 05/09/17 08:00

Matrix: Water

Date Received: 05/10/17 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	278401	05/11/17 06:29	TJL1	TAL CAN
Total/NA	Prep	608			278493	05/11/17 09:34	CS	TAL CAN
Total/NA	Analysis	608		1	278828	05/13/17 23:18	LSH	TAL CAN
Total Recoverable	Prep	200.7			278504	05/11/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	200.7 Rev 4.4		1	278752	05/12/17 21:13	KLC	TAL CAN
Total/NA	Prep	245.1			278509	05/11/17 14:00	AJC	TAL CAN
Total/NA	Analysis	245.1		1	278745	05/12/17 13:02	DTN	TAL CAN
Total/NA	Analysis	1664A		1	279239	05/17/17 08:22	BLW	TAL CAN
Total/NA	Prep	Distill/Ammonia			278971	05/15/17 08:00	JAS	TAL CAN
Total/NA	Analysis	350.2		1	278973	05/15/17 14:39	JAS	TAL CAN
Total/NA	Analysis	410.4		1	278440	05/11/17 11:36	TPH	TAL CAN
Total/NA	Analysis	4500 H+ B-2000		1	278349	05/10/17 11:58	MM	TAL CAN
Total/NA	Analysis	5210B-2001		1	278392	05/10/17 14:43	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	278517	05/11/17 10:56	CL	TAL CAN
Total/NA	Analysis	SM4500 P E-1999		1	279109	05/16/17 11:07	TPH	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: 12610-T04, RACER Bay City

TestAmerica Job ID: 240-79295-1

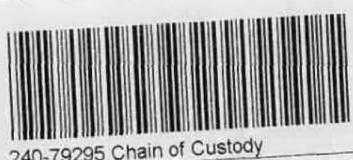
Laboratory: TestAmerica Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2927	02-23-18
Connecticut	State Program	1	PH-0590	12-31-17
Florida	NELAP	4	E87225	06-30-17 *
Illinois	NELAP	5	200004	07-31-17 *
Kansas	NELAP	7	E-10336	01-31-18
Kentucky (UST)	State Program	4	58	02-23-18
Kentucky (WW)	State Program	4	98016	12-31-17
Minnesota	NELAP	5	039-999-348	12-31-17
Minnesota (Petrofund)	State Program	1	3506	07-31-17 *
Nevada	State Program	9	OH-000482008A	07-31-17 *
New Jersey	NELAP	2	OH001	06-30-17 *
New York	NELAP	2	10975	03-31-18
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-18
Pennsylvania	NELAP	3	68-00340	08-31-17 *
Texas	NELAP	6	T104704517-15-5	08-31-17 *
USDA	Federal		P330-16-00404	12-28-19
Virginia	NELAP	3	460175	09-14-17
Washington	State Program	10	C971	01-12-18
West Virginia DEP	State Program	3	210	12-31-17
Wisconsin	State Program	5	999518190	08-31-17 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Canton

Regulatory Program: ☐ RCRA ☐ NPDDES ☐ DW ☐ Other:		Project Manager: M. Tomlin Tel/Fax: 515 884 0510 Analysis Turnaround Time ☐ CALENDAR DAYS ☒ WORKING DAYS TAT if different from Below: ☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Client Contact Company Name: GHD Address: 14496 N. Sheldon Rd LAJOLLA City/State/Zip: PLUMMOUTH NJ 07817 Phone: 734 453 5123 Fax: Project Name: Raptor Trust Bay City Site: 12610-TOL PO #: 24006288		Site Contact: SE Parlys Date: 5/9/17 Lab Contact: D. Hume Carrier: FedEx COC No: 240626 Sampler: S. Hoernig For Lab Use Only: Walk-In Client: Lab Sampling: Job / SDG No.: Sample Specific Notes:	
				 240-79295 Chain of Custody			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	
WT-12610-050917-SHA-01-17		5/9/17	0800	C, G	WT	11	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Disposal by Lab ☐ Archive for _____ Months		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months					
Special Instructions/QC Requirements & Comments:		Custody Seal No.: 845233		Cooler Temp. (°C): Obs'd: _____ Cor'd: _____			
		Relinquished by: A.A. Nar		Company: GHD			
		Date/Time: 5/9/17 1700		Received by: [Signature]			
		Date/Time: _____		Received in Laboratory by: _____			
Relinquished by: _____		Company: _____		Date/Time: _____			

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 70205

Canton Facility

Client GHDSite Name -Cooler unpacked by: PODCooler Received on 5-10-17Opened on 5-10-17FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time

Storage Location

TestAmerica Cooler # _____ Foam Box Client Cooler Box _____ Other _____Packing material used: Bubble Wrap Foam Plastic Bag None Other _____COOLANT: Wet Ice Blue Ice Dry Ice Water None☐ See Multiple Cooler Form

1. Cooler temperature upon receipt

IR GUN# IR-8 (CF -0.3 °C) Observed Cooler Temp. 4.2 °C Corrected Cooler Temp. 39 °CIR GUN #36 (CF +0.8 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No

-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA

-Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No

3. Shippers' packing slip attached to the cooler(s)? Yes No

4. Did custody papers accompany the sample(s)? Yes No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No

7. Did all bottles arrive in good condition (Unbroken)? Yes No

8. Could all bottle labels be reconciled with the COC? Yes No

9. Were correct bottle(s) used for the test(s) indicated? Yes No

10. Sufficient quantity received to perform indicated analyses? Yes No

11. Are these work share samples? Yes No

If yes, Questions 11-15 have been checked at the originating laboratory.

11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC697954

12. Were VOAs on the COC? Yes No

13. Were air bubbles >6 mm in any VOA vials?  Larger than this. Yes No NA

14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No

15. Was a LL Hg or Me Hg trip blank present? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

16. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

17. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

18. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservative Added (mls)</u>	<u>Lot #</u>
WT-12610-050917-SSH-01-17	240-79295-E-1	Plastic 500ml - with Sulfuric Acid	<2	_____	_____
WT-12610-050917-SSH-01-17	240-79295-F-1	Plastic 500ml - with Nitric Acid	<2	_____	_____
WT-12610-050917-SSH-01-17	240-79295-H-1	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
WT-12610-050917-SSH-01-17	240-79295-I-1	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____

Attachment 2 Certification Statement

Certification Statement

"I, David Favero, certify under penalty of law that this document (July 31, 2017 GHD Semi-Annual Compliance Report (January 1 to June 30, 2017)), and all attachments were prepared under by 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 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."



RACER, Deputy Cleanup Manager – Michigan

July 31, 2017

(Date)