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Farmington Hills, Michigan 48331
United States
www.ghd.com



GHD Reference No: 11208058-LTR-13-Whom

July 31, 2025

**City of Bay City WWTP
Attn: IPP Coordinator
2905 North Water Street
Bay City, Michigan, 48708**

**Semi-Annual Compliance Report (January 1 to June 30, 2025)
RACER Bay City Industrial Land
Bay City, Michigan**

To Whom It May Concern,

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, 2025, for RACER's discharge from a 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 this semi-annual period with the exception of short periods when the system was down for maintenance or as a result of an alarm condition.

Table 1 presents the results of the required semi-annual effluent samples collected from the RACER groundwater extraction and treatment system on June 03, 2025. Attachment 1 presents the laboratory analytical reports. The analytical results did not identify an exceedance of the daily maximum discharge levels specified in the permit requirements.

Table 2 presents the flow readings collected periodically from the flow meter.

The RACER groundwater extraction and treatment system is operated and maintained by Bart Williams (GHD).

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,



John-Eric Pardys, P.Eng.
Project Manager

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john-eric.pardys@ghd.com

ZK/kf/13

cc: Brendan Mullen (RACER)
Dave Favero (RACER)
Jessica Gallaway (GHD)

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

Tables

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

Sample Location: Sample ID: Sample Date:			effluent-GWTS	effluent-GWTS
			W-11208058-060325-BW-001	W-11208058-060325-BW-002
			6/3/2025	6/3/2025 (Duplicate)
Parameters	Units	Daily Maximum ⁽¹⁾		
VOAs				
Vinyl chloride	mg/L	0.002	0.001 U	0.001 U
Metals				
Cadmium	mg/L	0.057	0.002 U	0.002 U
Chromium	mg/L	6.812	0.005 U	0.005 U
Copper	mg/L	1.476	0.0042 J	0.0042 J
Iron	mg/L	--	0.12	0.11
Lead	mg/L	0.632	0.003 U	0.003 U
Mercury	mg/L	ND	0.0002 U	0.0002 U
Nickel	mg/L	2.548	0.0042 J	0.0045 J
Silver	mg/L	0.2	0.005 U	0.005 U
PCBs				
Aroclor-1016 (PCB-1016)	mg/L	ND	0.000097 U	0.000098 U
Aroclor-1221 (PCB-1221)	mg/L	ND	0.000097 U	0.000098 U
Aroclor-1232 (PCB-1232)	mg/L	ND	0.000097 U	0.000098 U
Aroclor-1242 (PCB-1242)	mg/L	ND	0.000097 U	0.000098 U
Aroclor-1248 (PCB-1248)	mg/L	ND	0.000097 U	0.000098 U
Aroclor-1254 (PCB-1254)	mg/L	ND	0.000097 U	0.000098 U
Aroclor-1260 (PCB-1260)	mg/L	ND	0.000097 U	0.000098 U
Wet				
Ammonia-N	mg/L	30	15	16
Biochemical oxygen demand (BOD)	mg/L	835	2.0 U	-
Chemical oxygen demand (COD)	mg/L	1670	12	11
Oil and grease (HEM), total	mg/L	100	1.6 J	2.0 J
pH, lab	s.u.	6.5 to 11.0	8.1	8.1
Phosphorus	mg/L	13.8	0.10 U	0.10 U
Total suspended solids (TSS)	mg/L	1336	4.0 U	-

Notes:

- (1) Bay City Industrial User Discharge Permit (120807)
b Result detected in the Unseeded Control blank (USB)
J Estimated concentration
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 Totalized Reading (gallons)	Cumulative Total: (gallons)	Volume to be Invoiced Annually (July to June 30)	Comments
7-Jul-25	1,010,025	1,756,123		
23-Jun-25	1,007,172	1,753,270		
10-Jun-25	1,005,352	1,751,450	58,843	- City invoiced for discharge
3-Jun-25	1,005,143	1,751,241		- Collected effluent sample
16-May-25	997,615	1,743,713		
19-Apr-25	991,799	1,737,897		
21-Mar-25	984,652	1,730,750		
19-Feb-25	981,530	1,727,628		
20-Jan-25	972,302	1,718,400		
11-Dec-24	968,518	1,714,616		- Collected effluent sample
19-Nov-24	959,030	1,705,128		
7-Oct-24	958,047	1,704,145		
3-Sep-24	952,079	1,698,177		
1-Jul-24	946,509	1,692,607	119,943	- City invoiced for discharge
11-Jun-24	938,316	1,684,414		- Collected effluent sample
3-Jun-24	935,412	1,681,510		
6-May-24	930,927	1,677,025		
1-Apr-24	916,525	1,662,623		
7-Mar-24	901,303	1,647,401		
5-Feb-24	892,261	1,638,359		
16-Jan-24				- Collected effluent sample
8-Jan-24	889,564	1,635,662		
22-Dec-23	889,370	1,635,468		
7-Nov-23	836,099	1,582,197		- City collecting sample
27-Oct-23	833,943	1,580,041		- System start-up
17-Oct-23				- Collected effluent sample, shutdown
16-Oct-23	833,137	1,579,235		- Start system for effluent sample
11-Sep-23	833,113	1,579,211		- System not operating
7-Aug-23				- System shut down
2-Aug-23	832,734	1,578,832		
7-Jul-23	828,158	1,574,256		
30-Jun-23	826,566	1,572,664	213,090	- Collected effluent sample, City invoiced for discharge
12-Jun-23	813,114	1,559,212		
5-May-23	784,200	1,530,298		
10-Apr-23	783,184	1,529,282		
20-Mar-23	777,866	1,523,964		
14-Feb-23	762,917	1,509,015		
16-Jan-23	757,367	1,503,465		- Collected effluent sample

Table 2

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

Date	Flow Meter Totalized Reading (gallons)	Cumulative Total: (gallons)	Volume to be Invoiced Annually (July to June 30)	Comments
5-Dec-22	700,568	1,446,666		
21-Nov-22	689,378	1,435,476		
25-Oct-22	688,227	1,434,325		
12-Sep-22	684,028	1,430,126		
23-Aug-22	672,428	1,418,526		- Collected effluent sample
17-Jun-22	619,110	1,365,208		
13-Jun-22	613,476	1,359,574	204,431	- City invoiced for discharge
26-May-22				- Collected effluent sample
24-May-22	610,180	1,356,278		
26-Apr-22	592,790	1,338,888		
23-Mar-22	592,060	1,338,158		
1-Mar-22	580,971	1,327,069		
24-Jan-22	580,938	1,327,036		
16-Jan-22	99	99		- Initiated discharge to City
12-Jan-22	1,974	1,974		- Collected effluent sample
8-Jan-22	14,344	14,344		
4-Jan-22	14,357	14,357		
31-Dec-21	0	14,357		- Flow meter zeroed
27-Dec-21	553,735	1,299,833		
23-Dec-21				- Collected effluent sample
29-Nov-21	533,997	1,280,095		
27-Sep-21	475,843	1,221,941		
20-Aug-21	436,048	1,182,146		
30-Jul-21	421,003	1,167,101		
23-Jun-21	409,045	1,155,143	139,856	- Collected effluent sample and City invoiced for discharge
27-May-21	400,420	1,146,518		
29-Apr-21	397,390	1,143,488		
23-Mar-21	371,797	1,117,895		
22-Feb-21	348,776	1,094,874		
21-Dec-20	308,935	1,055,033		
10-Dec-20				- Collected effluent sample
9-Dec-20	304,649	1,050,747		
12-Oct-20	278,099	1,024,197		
10-Sep-20	277,899	1,023,997		
25-Aug-20	277,020	1,023,118		
22-Jul-20	274,190	1,020,288		
22-Jun-20	270,975	1,017,073		
4-Jun-20	269,189	1,015,287	124,809	- City invoiced for discharge
28-May-20	268,089	1,014,187		- Collected effluent sample
28-Apr-20	263,922	1,010,020		
25-Mar-20	248,006	994,104		
20-Feb-20	227,965	974,063		
27-Jan-20	220,321	966,419		

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

Date	Flow Meter Totalized Reading (gallons)	Cumulative Total: (gallons)	Volume to be Invoiced Annually (July to June 30)	Comments
5-Dec-19	200,031	946,129		- Collected PFAS effluent sample
25-Nov-19	192,582	938,680		
29-Oct-19	176,533	922,631		
28-Aug-19	168,508	914,606		
17-Jul-19	159,490	905,588		
17-Jun-19	144,380	890,478	122,047	- City invoiced for discharge
31-May-19				- Collected effluent sample
17-May-19	123,482	869,580		
19-Apr-19	105,745	851,843		
22-Mar-19	81,364	827,462		
28-Feb-19	77,720	823,818		
29-Jan-19	77,720	823,818		
20-Jan-19				- Collected effluent sample
12-Dec-18	77,570	823,668		- Collected effluent sample
29-Nov-18	76,972	823,070		
26-Sep-18	59,303	805,401		
30-Aug-18	53,199	799,297		
30-Jul-18	52,454	798,552		
	359,128	373,485		
	362,759	377,116		
20-Jun-18	35,274	781,372		
1-Jun-18				- Collected effluent sample
1-Jun-18	22,333	768,431	88,271	- City invoiced for discharge
31-May-18	20,490	766,588		
30-Apr-18	18,529	764,627		
29-Mar-18	11,243	757,341		
8-Mar-18	122,667	746,098		- Last reading before replacing flow meter
8-Mar-18	0	746,098		- New Flow meter installed
30-Nov-17				- Collected effluent sample
25-Oct-17	73,702	697,133		
12-Jul-17	60,991	684,422		
28-Jun-17	56,911	680,342		
13-Jun-17	56,729	680,160	137,544	- City invoiced for discharge
22-May-17	56,722	680,153		
9-May-17				- Collected effluent sample
27-Apr-17	55,126	678,557		
2-Feb-17	5,813	629,244		
16-Jan-17				- Collected effluent sample
14-Jan-17	609,074	623,431		
14-Jan-17	0	623,431		

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

Date	Flow Meter Totalized Reading (gallons)	Cumulative Total: (gallons)	Volume to be Invoiced Annually (July to June 30)	Comments
16-Dec-16	609,074	623,431		
11-Nov-16	608,980	623,337		
28-Oct-16	608,865	623,222		
30-Sep-16	607,717	622,074		
31-Aug-16	607,298	621,655		
20-Jul-16	561,893	576,250		
29-Jun-16	556,457	570,814		
14-Jun-16	528,259	542,616	523,666	- Collected effluent sample, City invoiced for discharge
31-May-16	521,920	536,277		
27-Apr-16	462,204	476,561		
21-Mar-16	409,836	424,193		
29-Feb-16	394,550	408,907		
10-Feb-16	387,410	401,767		
30-Dec-15	351,550	365,907		
10-Dec-15				- Collected effluent sample
23-Nov-15	289,731	304,088		
30-Oct-15	260,771	275,128		
29-Sep-15	252,638	266,995		
28-Aug-15	241,397	255,754		
29-Jul-15	232,315	246,672		
30-Jun-15	232,315	246,672		
25-Jun-15	232,315	246,672		
18-Jun-15	224,490	238,847		
6-May-15	197,766	212,123		
30-Apr-15	175,234	189,591		
19-Mar-15	67,425	81,782		
16-Mar-15				- Collected effluent sample
13-Feb-15	46,303	60,660		
27-Jan-15	31,004	45,361		
29-Dec-14	31,004	45,361		
26-Nov-14	31,004	45,361		
23-Oct-14	31,004	45,361		
23-Sep-14	11,504	25,861		
5-Sep-14	6,337	20,694		- Collected effluent sample
18-Aug-14	4,593	18,950		
28-Jul-14	4,593	18,950		
16-Jun-14	4,593	18,950	18,950	- City invoiced for discharge

Attachments

Attachment 1

Laboratory Analytical Report

ANALYTICAL REPORT

PREPARED FOR

Attn: Julie Lundie
GHD Services Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, New York 14304

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JOB DESCRIPTION

11208058-RACER-BC-2025-01, RACER Bay City

JOB NUMBER

240-225785-1

Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

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

General Chemistry

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

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Case Narrative

Client: GHD Services Inc.
Project: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Job ID: 240-225785-1

Eurofins Cleveland

Job Narrative 240-225785-1

Receipt

The samples were received on 6/4/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC/MS VOA

Method 624.1_LL_PREC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 240-658456. LCSD is provided.

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

PCBs

Method 608.3_PCB_PREC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-658662.

Method 608.3_PCB_PREC: The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the samples do not directly match any of the laboratory's Aroclor standards used for instrument calibration: W-11208058-060325-BW-003 (240-225785-3). The samples have been quantified and reported using the best overall Aroclor/standard pattern match relative to the reference standards.

Method 608.3_PCB_PREC: The following sample required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: W-11208058-060325-BW-003 (240-225785-3).

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

Metals

Method 200.7 - Total Recoverable: Some requested practical quantitation limits (PQLs) on the following samples fall below the laboratory's verified standard quantitation limit: W-11208058-060325-BW-001 (240-225785-1) and W-11208058-060325-BW-002 (240-225785-2). 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 additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Method Summary

Client: GHD Services Inc.
Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET CLE
608.3	Polychlorinated Biphenyls (PCBs) (GC)	EPA	EET CLE
200.7 Rev 4.4	Metals (ICP)	EPA	EET CLE
245.1	Mercury (CVAA)	EPA	EET CLE
1664B	HEM and SGT-HEM	1664B	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE
410.4	COD	EPA	EET CLE
4500-H+ B-2021	pH	SM	EET CLE
4500-NH3H-2021	Ammonia	SM	EET CLE
4500-P E-2021	Phosphorus	SM	EET CLE
5210B-2001	BOD, 5-Day	SM	EET CLE
200.7	Preparation, Total Recoverable Metals	EPA	EET CLE
245.1	Preparation, Mercury	EPA	EET CLE
608	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET CLE

Protocol References:

1664B = EPA-821-98-002
EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: GHD Services Inc.

Job ID: 240-225785-1

Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
240-225785-1	W-11208058-060325-BW-001	Water	06/03/25 08:05	06/04/25 08:00
240-225785-2	W-11208058-060325-BW-002	Water	06/03/25 08:10	06/04/25 08:00
240-225785-3	W-11208058-060325-BW-003	Water	06/03/25 08:35	06/04/25 08:00

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Detection Summary

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Client Sample ID: W-11208058-060325-BW-001

Lab Sample ID: 240-225785-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	4.2	J	20	3.5	ug/L	1		200.7 Rev 4.4	Total Recoverable
Iron	120		100	83	ug/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	4.2	J	20	2.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
HEM	1.6	J	4.9	1.0	mg/L	1		1664B	Total/NA
Chemical Oxygen Demand	12		10	1.8	mg/L	1		410.4	Total/NA
pH	8.1		0.1	0.1	SU	1		4500-H+ B-2021	Total/NA
Ammonia	15		2.0	1.5	mg/L	10		4500-NH3H-202 1	Total/NA

Client Sample ID: W-11208058-060325-BW-002

Lab Sample ID: 240-225785-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	4.2	J	20	3.5	ug/L	1		200.7 Rev 4.4	Total Recoverable
Iron	110		100	83	ug/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	4.5	J	20	2.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
HEM	2.0	J	6.2	1.3	mg/L	1		1664B	Total/NA
Chemical Oxygen Demand	11		10	1.8	mg/L	1		410.4	Total/NA
pH	8.1		0.1	0.1	SU	1		4500-H+ B-2021	Total/NA
Ammonia	16		2.0	1.5	mg/L	10		4500-NH3H-202 1	Total/NA

Client Sample ID: W-11208058-060325-BW-003

Lab Sample ID: 240-225785-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1221	19		2.0	1.1	ug/L	20		608.3	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: W-11208058-060325-BW-001

Date Collected: 06/03/25 08:05

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.45	U	1.0	0.45	ug/L			06/04/25 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		62 - 137					06/04/25 13:56	1
4-Bromofluorobenzene (Surr)	101		56 - 136					06/04/25 13:56	1
Toluene-d8 (Surr)	96		78 - 122					06/04/25 13:56	1

Client Sample ID: W-11208058-060325-BW-002

Date Collected: 06/03/25 08:10

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.45	U	1.0	0.45	ug/L			06/04/25 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		62 - 137					06/04/25 14:21	1
4-Bromofluorobenzene (Surr)	104		56 - 136					06/04/25 14:21	1
Toluene-d8 (Surr)	100		78 - 122					06/04/25 14:21	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Method: EPA 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Client Sample ID: W-11208058-060325-BW-001

Date Collected: 06/03/25 08:05

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.055	U	0.097	0.055	ug/L		06/05/25 08:54	06/05/25 16:51	1
Aroclor-1221	0.056	U	0.097	0.056	ug/L		06/05/25 08:54	06/05/25 16:51	1
Aroclor-1232	0.072	U	0.097	0.072	ug/L		06/05/25 08:54	06/05/25 16:51	1
Aroclor-1242	0.074	U	0.097	0.074	ug/L		06/05/25 08:54	06/05/25 16:51	1
Aroclor-1248	0.049	U	0.097	0.049	ug/L		06/05/25 08:54	06/05/25 16:51	1
Aroclor-1254	0.039	U	0.097	0.039	ug/L		06/05/25 08:54	06/05/25 16:51	1
Aroclor-1260	0.045	U	0.097	0.045	ug/L		06/05/25 08:54	06/05/25 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		10 - 174	06/05/25 08:54	06/05/25 16:51	1
Tetrachloro-m-xylene	58		10 - 149	06/05/25 08:54	06/05/25 16:51	1

Client Sample ID: W-11208058-060325-BW-002

Date Collected: 06/03/25 08:10

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.055	U	0.098	0.055	ug/L		06/05/25 08:54	06/05/25 17:04	1
Aroclor-1221	0.056	U	0.098	0.056	ug/L		06/05/25 08:54	06/05/25 17:04	1
Aroclor-1232	0.073	U	0.098	0.073	ug/L		06/05/25 08:54	06/05/25 17:04	1
Aroclor-1242	0.075	U	0.098	0.075	ug/L		06/05/25 08:54	06/05/25 17:04	1
Aroclor-1248	0.049	U	0.098	0.049	ug/L		06/05/25 08:54	06/05/25 17:04	1
Aroclor-1254	0.039	U	0.098	0.039	ug/L		06/05/25 08:54	06/05/25 17:04	1
Aroclor-1260	0.045	U	0.098	0.045	ug/L		06/05/25 08:54	06/05/25 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		10 - 174	06/05/25 08:54	06/05/25 17:04	1
Tetrachloro-m-xylene	49		10 - 149	06/05/25 08:54	06/05/25 17:04	1

Client Sample ID: W-11208058-060325-BW-003

Date Collected: 06/03/25 08:35

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	1.1	U	2.0	1.1	ug/L		06/11/25 08:23	06/12/25 14:09	20
Aroclor-1221	19		2.0	1.1	ug/L		06/11/25 08:23	06/12/25 14:09	20
Aroclor-1232	1.5	U	2.0	1.5	ug/L		06/11/25 08:23	06/12/25 14:09	20
Aroclor-1242	1.5	U	2.0	1.5	ug/L		06/11/25 08:23	06/12/25 14:09	20
Aroclor-1248	1.0	U	2.0	1.0	ug/L		06/11/25 08:23	06/12/25 14:09	20
Aroclor-1254	0.80	U	2.0	0.80	ug/L		06/11/25 08:23	06/12/25 14:09	20
Aroclor-1260	0.92	U	2.0	0.92	ug/L		06/11/25 08:23	06/12/25 14:09	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	48		10 - 174	06/11/25 08:23	06/12/25 14:09	20
Tetrachloro-m-xylene	61		10 - 149	06/11/25 08:23	06/12/25 14:09	20

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

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

Client Sample ID: W-11208058-060325-BW-001

Date Collected: 06/03/25 08:05

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.4	U	5.0	1.4	ug/L	-	06/04/25 14:00	06/05/25 12:06	1
Cadmium	0.45	U	2.0	0.45	ug/L	-	06/04/25 14:00	06/05/25 12:06	1
Chromium	0.76	U	5.0	0.76	ug/L	-	06/04/25 14:00	06/05/25 12:06	1
Copper	4.2	J	20	3.5	ug/L	-	06/04/25 14:00	06/05/25 12:06	1
Iron	120		100	83	ug/L	-	06/04/25 14:00	06/05/25 12:06	1
Nickel	4.2	J	20	2.2	ug/L	-	06/04/25 14:00	06/05/25 12:06	1
Lead	2.8	U	3.0	2.8	ug/L	-	06/04/25 14:00	06/05/25 12:06	1

Client Sample ID: W-11208058-060325-BW-002

Date Collected: 06/03/25 08:10

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.4	U	5.0	1.4	ug/L	-	06/04/25 14:00	06/05/25 12:10	1
Cadmium	0.45	U	2.0	0.45	ug/L	-	06/04/25 14:00	06/05/25 12:10	1
Chromium	0.76	U	5.0	0.76	ug/L	-	06/04/25 14:00	06/05/25 12:10	1
Copper	4.2	J	20	3.5	ug/L	-	06/04/25 14:00	06/05/25 12:10	1
Iron	110		100	83	ug/L	-	06/04/25 14:00	06/05/25 12:10	1
Nickel	4.5	J	20	2.2	ug/L	-	06/04/25 14:00	06/05/25 12:10	1
Lead	2.8	U	3.0	2.8	ug/L	-	06/04/25 14:00	06/05/25 12:10	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: W-11208058-060325-BW-001

Date Collected: 06/03/25 08:05

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13	U	0.20	0.13	ug/L		06/04/25 14:00	06/05/25 13:08	1

Client Sample ID: W-11208058-060325-BW-002

Date Collected: 06/03/25 08:10

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13	U	0.20	0.13	ug/L		06/04/25 14:00	06/05/25 13:10	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

General Chemistry

Client Sample ID: W-11208058-060325-BW-001

Date Collected: 06/03/25 08:05

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (1664B)	1.6	J	4.9	1.0	mg/L			06/09/25 08:42	1
Total Suspended Solids (SM 2540D-2020)	0.40	U	4.0	0.40	mg/L			06/05/25 10:05	1
Chemical Oxygen Demand (EPA 410.4)	12		10	1.8	mg/L			06/06/25 11:45	1
pH (SM 4500-H+ B-2021)	8.1		0.1	0.1	SU			06/05/25 11:24	1
Ammonia (SM 4500-NH3H-2021)	15		2.0	1.5	mg/L			06/13/25 16:40	10
Total Phosphorus as P (SM 4500-P E-2021)	0.076	U	0.10	0.076	mg/L			06/05/25 11:20	1
Biochemical Oxygen Demand (SM 5210B-2001)	2.0	U	2.0	2.0	mg/L			06/04/25 11:55	1

Client Sample ID: W-11208058-060325-BW-002

Date Collected: 06/03/25 08:10

Date Received: 06/04/25 08:00

Lab Sample ID: 240-225785-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (1664B)	2.0	J	6.2	1.3	mg/L			06/09/25 08:42	1
Chemical Oxygen Demand (EPA 410.4)	11		10	1.8	mg/L			06/06/25 11:45	1
pH (SM 4500-H+ B-2021)	8.1		0.1	0.1	SU			06/05/25 11:24	1
Ammonia (SM 4500-NH3H-2021)	16		2.0	1.5	mg/L			06/13/25 16:43	10
Total Phosphorus as P (SM 4500-P E-2021)	0.076	U	0.10	0.076	mg/L			06/05/25 11:20	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL
		(62-137)	(56-136)	(78-122)
240-225785-1	W-11208058-060325-BW-001	120	101	96
240-225785-2	W-11208058-060325-BW-002	126	104	100
LCS 240-658456/5	Lab Control Sample	119	105	102
LCS 240-658456/11	Lab Control Sample Dup	121	106	102
MB 240-658456/10	Method Blank	127	105	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCBP2	TCX2
		(10-174)	(10-149)
240-225785-1	W-11208058-060325-BW-001	85	58
240-225785-2	W-11208058-060325-BW-002	82	49
240-225785-3	W-11208058-060325-BW-003	48	61
LCS 240-658662/2-A	Lab Control Sample	71	59
LCS 240-659344/2-A	Lab Control Sample	71	49
MB 240-658662/1-A	Method Blank	110	84
MB 240-659344/1-A	Method Blank	94	66

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-658456/10
Matrix: Water
Analysis Batch: 658456

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.45	U	1.0	0.45	ug/L			06/04/25 13:05	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	127		62 - 137					06/04/25 13:05	1
4-Bromofluorobenzene (Surr)	105		56 - 136					06/04/25 13:05	1
Toluene-d8 (Surr)	99		78 - 122					06/04/25 13:05	1

Lab Sample ID: LCS 240-658456/5
Matrix: Water
Analysis Batch: 658456

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	15.0		ug/L		75	5 - 195
Surrogate	%Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	119		62 - 137				
4-Bromofluorobenzene (Surr)	105		56 - 136				
Toluene-d8 (Surr)	102		78 - 122				

Lab Sample ID: LCSD 240-658456/11
Matrix: Water
Analysis Batch: 658456

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	20.0	14.3		ug/L		72	5 - 195	5	35
Surrogate	%Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	121		62 - 137						
4-Bromofluorobenzene (Surr)	106		56 - 136						
Toluene-d8 (Surr)	102		78 - 122						

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 240-658662/1-A
Matrix: Water
Analysis Batch: 658770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.056	U	0.10	0.056	ug/L		06/05/25 08:54	06/05/25 16:25	1
Aroclor-1221	0.057	U	0.10	0.057	ug/L		06/05/25 08:54	06/05/25 16:25	1
Aroclor-1232	0.074	U	0.10	0.074	ug/L		06/05/25 08:54	06/05/25 16:25	1
Aroclor-1242	0.076	U	0.10	0.076	ug/L		06/05/25 08:54	06/05/25 16:25	1
Aroclor-1248	0.050	U	0.10	0.050	ug/L		06/05/25 08:54	06/05/25 16:25	1
Aroclor-1254	0.040	U	0.10	0.040	ug/L		06/05/25 08:54	06/05/25 16:25	1
Aroclor-1260	0.046	U	0.10	0.046	ug/L		06/05/25 08:54	06/05/25 16:25	1

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: MB 240-658662/1-A
Matrix: Water
Analysis Batch: 658770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658662

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	110		10 - 174	06/05/25 08:54	06/05/25 16:25	1
Tetrachloro-m-xylene	84		10 - 149	06/05/25 08:54	06/05/25 16:25	1

Lab Sample ID: LCS 240-658662/2-A
Matrix: Water
Analysis Batch: 658875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658662

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aroclor-1016	2.50	3.36		ug/L		135	50 - 140
Aroclor-1260	2.50	3.19		ug/L		128	8 - 140

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	71		10 - 174
Tetrachloro-m-xylene	59		10 - 149

Lab Sample ID: MB 240-659344/1-A
Matrix: Water
Analysis Batch: 659461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659344

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1016	0.056	U	0.10	0.056	ug/L		06/11/25 08:23	06/11/25 13:50	1
Aroclor-1221	0.057	U	0.10	0.057	ug/L		06/11/25 08:23	06/11/25 13:50	1
Aroclor-1232	0.074	U	0.10	0.074	ug/L		06/11/25 08:23	06/11/25 13:50	1
Aroclor-1242	0.076	U	0.10	0.076	ug/L		06/11/25 08:23	06/11/25 13:50	1
Aroclor-1248	0.050	U	0.10	0.050	ug/L		06/11/25 08:23	06/11/25 13:50	1
Aroclor-1254	0.040	U	0.10	0.040	ug/L		06/11/25 08:23	06/11/25 13:50	1
Aroclor-1260	0.046	U	0.10	0.046	ug/L		06/11/25 08:23	06/11/25 13:50	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	94		10 - 174	06/11/25 08:23	06/11/25 13:50	1
Tetrachloro-m-xylene	66		10 - 149	06/11/25 08:23	06/11/25 13:50	1

Lab Sample ID: LCS 240-659344/2-A
Matrix: Water
Analysis Batch: 659461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659344

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aroclor-1016	2.50	1.57		ug/L		63	50 - 140
Aroclor-1260	2.50	1.93		ug/L		77	8 - 140

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	71		10 - 174
Tetrachloro-m-xylene	49		10 - 149

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 240-658544/1-A
Matrix: Water
Analysis Batch: 658825

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 658544

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Silver	1.4	U	5.0	1.4	ug/L		06/04/25 14:00	06/05/25 11:05	1
Cadmium	0.45	U	2.0	0.45	ug/L		06/04/25 14:00	06/05/25 11:05	1
Chromium	0.76	U	5.0	0.76	ug/L		06/04/25 14:00	06/05/25 11:05	1
Copper	3.5	U	20	3.5	ug/L		06/04/25 14:00	06/05/25 11:05	1
Iron	83	U	100	83	ug/L		06/04/25 14:00	06/05/25 11:05	1
Nickel	2.2	U	20	2.2	ug/L		06/04/25 14:00	06/05/25 11:05	1
Lead	2.8	U	3.0	2.8	ug/L		06/04/25 14:00	06/05/25 11:05	1

Lab Sample ID: LCS 240-658544/2-A
Matrix: Water
Analysis Batch: 658825

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 658544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	1000	1010		ug/L		101	85 - 115
Chromium	1000	953		ug/L		95	85 - 115
Copper	1000	949		ug/L		95	85 - 115
Iron	10000	10000		ug/L		100	85 - 115
Nickel	1000	1010		ug/L		101	85 - 115
Lead	1000	1010		ug/L		101	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 240-658546/1-A
Matrix: Water
Analysis Batch: 658763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658546

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.13	U	0.20	0.13	ug/L		06/04/25 14:00	06/05/25 12:46	1

Lab Sample ID: LCS 240-658546/2-A
Matrix: Water
Analysis Batch: 658763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 240-658990/1
Matrix: Water
Analysis Batch: 658990

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
HEM	1.0	U	5.0	1.0	mg/L			06/09/25 08:42	1

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Method: 1664B - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 240-658990/2
 Matrix: Water
 Analysis Batch: 658990

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	38.4		mg/L		96	78 - 114

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-658702/1
 Matrix: Water
 Analysis Batch: 658702

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	0.40	U	4.0	0.40	mg/L			06/05/25 10:05	1

Lab Sample ID: LCS 240-658702/2
 Matrix: Water
 Analysis Batch: 658702

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	30.0	24.5		mg/L		82	64 - 120

Method: 410.4 - COD

Lab Sample ID: MB 240-658884/9
 Matrix: Water
 Analysis Batch: 658884

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	1.8	U	10	1.8	mg/L			06/06/25 11:45	1

Lab Sample ID: LCS 240-658884/10
 Matrix: Water
 Analysis Batch: 658884

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	44.6	41.7		mg/L		94	90 - 110

Method: 4500-H+ B-2021 - pH

Lab Sample ID: LCS 240-658721/22
 Matrix: Water
 Analysis Batch: 658721

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	8.64	8.6		SU		99	97 - 103

Lab Sample ID: 240-225785-1 DU
 Matrix: Water
 Analysis Batch: 658721

Client Sample ID: W-11208058-060325-BW-001
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.1		8.1		SU		0	20

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Method: 4500-NH3H-2021 - Ammonia

Lab Sample ID: MB 240-659915/76
 Matrix: Water
 Analysis Batch: 659915

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.15	U	0.20	0.15	mg/L			06/13/25 16:25	1

Lab Sample ID: LCS 240-659915/77
 Matrix: Water
 Analysis Batch: 659915

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	8.50	7.66		mg/L		90	90 - 110

Method: 4500-P E-2021 - Phosphorus

Lab Sample ID: MB 240-658723/3
 Matrix: Water
 Analysis Batch: 658723

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	0.076	U	0.10	0.076	mg/L			06/05/25 11:20	1

Lab Sample ID: LCS 240-658723/4
 Matrix: Water
 Analysis Batch: 658723

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	0.358	0.353		mg/L		99	90 - 110

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

Lab Sample ID: SCB 240-658476/2
 Matrix: Water
 Analysis Batch: 658476

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	2.0	U s	2.0	2.0	mg/L			06/04/25 09:36	1

Lab Sample ID: USB 240-658476/1
 Matrix: Water
 Analysis Batch: 658476

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	2.0	mg/L			06/04/25 09:34	1

Lab Sample ID: LCS 240-658476/3
 Matrix: Water
 Analysis Batch: 658476

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	183		mg/L		92	85 - 115

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QC Association Summary

Client: GHD Services Inc.
Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

GC/MS VOA

Analysis Batch: 658456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	624.1	
240-225785-2	W-11208058-060325-BW-002	Total/NA	Water	624.1	
MB 240-658456/10	Method Blank	Total/NA	Water	624.1	
LCS 240-658456/5	Lab Control Sample	Total/NA	Water	624.1	
LCSD 240-658456/11	Lab Control Sample Dup	Total/NA	Water	624.1	

GC Semi VOA

Prep Batch: 658662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	608	
240-225785-2	W-11208058-060325-BW-002	Total/NA	Water	608	
MB 240-658662/1-A	Method Blank	Total/NA	Water	608	
LCS 240-658662/2-A	Lab Control Sample	Total/NA	Water	608	

Analysis Batch: 658770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	608.3	658662
240-225785-2	W-11208058-060325-BW-002	Total/NA	Water	608.3	658662
MB 240-658662/1-A	Method Blank	Total/NA	Water	608.3	658662

Analysis Batch: 658875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-658662/2-A	Lab Control Sample	Total/NA	Water	608.3	658662

Prep Batch: 659344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-3	W-11208058-060325-BW-003	Total/NA	Water	608	
MB 240-659344/1-A	Method Blank	Total/NA	Water	608	
LCS 240-659344/2-A	Lab Control Sample	Total/NA	Water	608	

Analysis Batch: 659461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-659344/1-A	Method Blank	Total/NA	Water	608.3	659344
LCS 240-659344/2-A	Lab Control Sample	Total/NA	Water	608.3	659344

Analysis Batch: 659624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-3	W-11208058-060325-BW-003	Total/NA	Water	608.3	659344

Metals

Prep Batch: 658544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total Recoverable	Water	200.7	
240-225785-2	W-11208058-060325-BW-002	Total Recoverable	Water	200.7	
MB 240-658544/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 240-658544/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 658546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	245.1	

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QC Association Summary

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Metals (Continued)

Prep Batch: 658546 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-2	W-11208058-060325-BW-002	Total/NA	Water	245.1	
MB 240-658546/1-A	Method Blank	Total/NA	Water	245.1	
LCS 240-658546/2-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 658763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	245.1	658546
240-225785-2	W-11208058-060325-BW-002	Total/NA	Water	245.1	658546
MB 240-658546/1-A	Method Blank	Total/NA	Water	245.1	658546
LCS 240-658546/2-A	Lab Control Sample	Total/NA	Water	245.1	658546

Analysis Batch: 658825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total Recoverable	Water	200.7 Rev 4.4	658544
240-225785-2	W-11208058-060325-BW-002	Total Recoverable	Water	200.7 Rev 4.4	658544
MB 240-658544/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	658544
LCS 240-658544/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	658544

General Chemistry

Analysis Batch: 658476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	5210B-2001	
SCB 240-658476/2	Method Blank	Total/NA	Water	5210B-2001	
USB 240-658476/1	Method Blank	Total/NA	Water	5210B-2001	
LCS 240-658476/3	Lab Control Sample	Total/NA	Water	5210B-2001	

Analysis Batch: 658702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	2540D-2020	
MB 240-658702/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-658702/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 658721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	4500-H+ B-2021	
240-225785-2	W-11208058-060325-BW-002	Total/NA	Water	4500-H+ B-2021	
LCS 240-658721/22	Lab Control Sample	Total/NA	Water	4500-H+ B-2021	
240-225785-1 DU	W-11208058-060325-BW-001	Total/NA	Water	4500-H+ B-2021	

Analysis Batch: 658723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	4500-P E-2021	
240-225785-2	W-11208058-060325-BW-002	Total/NA	Water	4500-P E-2021	
MB 240-658723/3	Method Blank	Total/NA	Water	4500-P E-2021	
LCS 240-658723/4	Lab Control Sample	Total/NA	Water	4500-P E-2021	

Analysis Batch: 658884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	410.4	
240-225785-2	W-11208058-060325-BW-002	Total/NA	Water	410.4	

Eurofins Cleveland

QC Association Summary

Client: GHD Services Inc.
Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

General Chemistry (Continued)

Analysis Batch: 658884 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-658884/9	Method Blank	Total/NA	Water	410.4	
LCS 240-658884/10	Lab Control Sample	Total/NA	Water	410.4	

Analysis Batch: 658990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	1664B	
240-225785-2	W-11208058-060325-BW-002	Total/NA	Water	1664B	
MB 240-658990/1	Method Blank	Total/NA	Water	1664B	
LCS 240-658990/2	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 659915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225785-1	W-11208058-060325-BW-001	Total/NA	Water	4500-NH3H-202 1	
240-225785-2	W-11208058-060325-BW-002	Total/NA	Water	4500-NH3H-202 1	
MB 240-659915/76	Method Blank	Total/NA	Water	4500-NH3H-202 1	
LCS 240-659915/77	Lab Control Sample	Total/NA	Water	4500-NH3H-202 1	

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Client Sample ID: W-11208058-060325-BW-001

Lab Sample ID: 240-225785-1

Date Collected: 06/03/25 08:05

Matrix: Water

Date Received: 06/04/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	658456	AJS	EET CLE	06/04/25 13:56
Total/NA	Prep	608			658662	CR2J	EET CLE	06/05/25 08:54
Total/NA	Analysis	608.3		1	658770	LSH	EET CLE	06/05/25 16:51
Total Recoverable	Prep	200.7			658544	MN7X	EET CLE	06/04/25 14:00
Total Recoverable	Analysis	200.7 Rev 4.4		1	658825	AJC	EET CLE	06/05/25 12:06
Total/NA	Prep	245.1			658546	MN7X	EET CLE	06/04/25 14:00
Total/NA	Analysis	245.1		1	658763	GEV	EET CLE	06/05/25 13:08
Total/NA	Analysis	1664B		1	658990	C5SV	EET CLE	06/09/25 08:42
Total/NA	Analysis	2540D-2020		1	658702	AAP	EET CLE	06/05/25 10:05
Total/NA	Analysis	410.4		1	658884	SC3B	EET CLE	06/06/25 11:45
Total/NA	Analysis	4500-H+ B-2021		1	658721	PQD2	EET CLE	06/05/25 11:24
Total/NA	Analysis	4500-NH3H-2021		10	659915	AJ	EET CLE	06/13/25 16:40
Total/NA	Analysis	4500-P E-2021		1	658723	SC3B	EET CLE	06/05/25 11:20
Total/NA	Analysis	5210B-2001		1	658476	BLW	EET CLE	06/04/25 11:55

Client Sample ID: W-11208058-060325-BW-002

Lab Sample ID: 240-225785-2

Date Collected: 06/03/25 08:10

Matrix: Water

Date Received: 06/04/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	658456	AJS	EET CLE	06/04/25 14:21
Total/NA	Prep	608			658662	CR2J	EET CLE	06/05/25 08:54
Total/NA	Analysis	608.3		1	658770	LSH	EET CLE	06/05/25 17:04
Total Recoverable	Prep	200.7			658544	MN7X	EET CLE	06/04/25 14:00
Total Recoverable	Analysis	200.7 Rev 4.4		1	658825	AJC	EET CLE	06/05/25 12:10
Total/NA	Prep	245.1			658546	MN7X	EET CLE	06/04/25 14:00
Total/NA	Analysis	245.1		1	658763	GEV	EET CLE	06/05/25 13:10
Total/NA	Analysis	1664B		1	658990	C5SV	EET CLE	06/09/25 08:42
Total/NA	Analysis	410.4		1	658884	SC3B	EET CLE	06/06/25 11:45
Total/NA	Analysis	4500-H+ B-2021		1	658721	PQD2	EET CLE	06/05/25 11:24
Total/NA	Analysis	4500-NH3H-2021		10	659915	AJ	EET CLE	06/13/25 16:43
Total/NA	Analysis	4500-P E-2021		1	658723	SC3B	EET CLE	06/05/25 11:20

Client Sample ID: W-11208058-060325-BW-003

Lab Sample ID: 240-225785-3

Date Collected: 06/03/25 08:35

Matrix: Water

Date Received: 06/04/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	608			659344	CR2J	EET CLE	06/11/25 08:23
Total/NA	Analysis	608.3		20	659624	LSH	EET CLE	06/12/25 14:09

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: GHD Services Inc.
 Project/Site: 11208058-RACER-BC-2025-01, RACER Bay City

Job ID: 240-225785-1

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25 *
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

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



Eurofins - Cleveland Sample Receipt Form/Narrative Login #: _____
 Barberton Facility

Client GHD Site Name _____ Cooler unpacked by: MALISSA LOAR

Cooler Received on 6/4/25 Opened on 6/4/25

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours, Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # 92 Equip Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Water Blue Ice Dry Ice Water None _____

1 Cooler temperature upon receipt See Multiple Cooler Form

IR GUN # 17 (CF) 2 °C Observed Cooler Temp. 2.6 °C Corrected Cooler Temp. 2.9 °C

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

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

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

-Were tamper/custody seals intact and uncompromised? Yes No NA

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

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

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

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

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

8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No NA

9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes No NA

10 Were correct bottle(s) used for the test(s) indicated? Yes No NA

11 Sufficient quantity received to perform indicated analyses? Yes No NA

12. Are these work share samples and all listed on the COC? Yes No NA

If yes, Questions 13-17 have been checked at the originating laboratory

13 Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC463162

14 Were VOAs on the COC? Yes No NA

15 Were air bubbles >6 mm in any VOA vials? Yes NO Larger than this

16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes NO NA

17 Was a LL Hg or Me Hg trip blank present? _____ Yes NO

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

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Labeled by: ML

Labels Verified by: _____

19 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)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

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

VOA Sample Preservation - Date/Time VOAs Frozen _____

Temperature readings

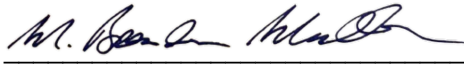
<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservation</u> <u>Temp</u>	<u>Added</u>	<u>Preservation</u> <u>Lot Number</u>
W-11208058-060325-BW-001	240-225785-A-1	Voa Vial 40ml - Hydrochloric Acid				
W-11208058-060325-BW-001	240-225785-B-1	Voa Vial 40ml - Hydrochloric Acid				
W-11208058-060325-BW-001	240-225785-C-1	Voa Vial 40ml - Hydrochloric Acid				
W-11208058-060325-BW-001	240-225785-D-1	Plastic 125ml - unpreserved				
W-11208058-060325-BW-001	240-225785-E-1	Plastic 250ml - with Sulfuric Acid				
W-11208058-060325-BW-001	240-225785-F-1	Plastic 250ml - with Nitric Acid				
W-11208058-060325-BW-001	240-225785-G-1	Plastic 1 liter - unpreserved				
W-11208058-060325-BW-001	240-225785-H-1	Plastic 1 liter - unpreserved				
W-11208058-060325-BW-001	240-225785-I-1	Amber Glass 1 liter - Sulfuric Acid				
W-11208058-060325-BW-001	240-225785-J-1	Amber Glass 1 liter - Sulfuric Acid				
W-11208058-060325-BW-001	240-225785-K-1	Amber Glass 1 liter - unpreserved				
W-11208058-060325-BW-002	240-225785-A-2	Voa Vial 40ml - Hydrochloric Acid				
W-11208058-060325-BW-002	240-225785-B-2	Voa Vial 40ml - Hydrochloric Acid				
W-11208058-060325-BW-002	240-225785-C-2	Voa Vial 40ml - Hydrochloric Acid				
W-11208058-060325-BW-002	240-225785-D-2	Plastic 125ml - unpreserved				
W-11208058-060325-BW-002	240-225785-E-2	Plastic 250ml - with Sulfuric Acid				
W-11208058-060325-BW-002	240-225785-F-2	Plastic 250ml - with Nitric Acid				
W-11208058-060325-BW-002	240-225785-I-2	Amber Glass 1 liter - Sulfuric Acid				
W-11208058-060325-BW-002	240-225785-J-2	Amber Glass 1 liter - Sulfuric Acid				
W-11208058-060325-BW-002	240-225785-K-2	Amber Glass 1 liter - unpreserved				
W-11208058-060325-BW-003	240-225785-A-3	Amber Glass 1 liter - unpreserved				
W-11208058-060325-BW-003	240-225785-B-3	Amber Glass 1 liter - unpreserved				

Attachment 2

Certification Statement

Certification Statement

"I, M. Brendan Mullen, certify under penalty of law that this document (GHD Semi-Annual Compliance Report (January 1 to June 30, 2025), dated July 31, 2025), 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 Trust, Cleanup Manager

7/31/2025

(Date)