ARCADIS Design & Consultancy for natural and built assets

Ms. Mary Vanderlaan
Supervisor, Lansing District
Michigan Department of Environmental Quality
Water Resources Division
525 W. Allegan (Constitution Hall, 4N)
P. O. Box 30242
Lansing, MI 48909-7742

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300 S Washington Square
Suite 315
Lansing
Michigan 48933
Tel 517 337 0111
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www.arcadis.com

ENVIRONMENT

Subject:
NPDES Permit No. MI0001597 – 2017 Yearly Stormwater Trend Monitoring Data
RACER – Buick City Site
Flint, Michigan

Date:
May 14, 2018

Contact:
Christopher S. Peters

Phone:
517.324.5052

Email:
chris.peters@arcadis.com

Our ref:
B0064410.2017

Dear Ms. Vanderlaan:

This report was prepared by Arcadis on behalf of the Revitalizing Auto Communities Environmental Response (RACER) Trust, for the Buick City Site (formerly known as the GM - Powertrain Flint North). The Buick City Site (Site) is located near 902 East Leith Street in Flint, Michigan, in Genesee County and encompasses approximately 364 acres of land as shown on **Figure 1**. The portion of the Site located north of Leith Street (hereafter referred to as the Northend) was in part occupied by General Motors LLC (GM LLC) for manufacturing operations until December 6, 2010. Since December 6, 2010 there have been no manufacturing operations at the Site. Demolition of the Northend of the Site was completed in April 2012. Building demolition was completed in 2001 in the portion of the property located south of Leith Street, which is referred to as the Southend.

RACER is submitting annual stormwater monitoring data as required by Section 1.A.7.a.1 of the above referenced National Pollutant Discharge Elimination System (NPDES) permit for the Site. The current NPDES permit expired in 2010. RACER submitted a timely application to the Michigan Department of Environmental Quality (MDEQ) for a new permit in April 2010. Due to significant changes in Site conditions, a revised NPDES permit application for the Site was prepared and submitted to the MDEQ on May 15, 2012.

This report covers the period of January 1, 2017 through December 31, 2017.

The yearly stormwater sampling program, as required by the current NPDES permit, includes the following outfalls, analytes, and regulatory criteria:

Outfall	Analyte	Monthly Average (nanograms /Liter)	Daily Maximum (micrograms /Liter)
003	Total Polychlorinated Biphenyls	0.026	Not Applicable
008	Total Mercury	1.3	Not Applicable
010	Total Mercury	1.3	Not Applicable
011	Total Copper	Not Applicable	100
012	Total Copper	Not Applicable	100

Locations of these outfalls are shown on **Figures 2** and **3**.

BACKGROUND

Outfall 003

A Storm Water Diversion and Treatment System was installed to capture polychlorinated biphenyl (PCB) containing oil from the Outfall 003 and 004 storm sewers (Outfall 003/004 System). The Outfall 003/004 System has been designed to capture oil during dry weather and first-flush stormwater flow conditions though diversion structures, a BaySeparator, and an Oil-Water Separator. The system became fully operational on January 12, 2011.

The Outfall 003 storm sewer system collects flow from the Northend of the Site and upstream offsite drainage areas, and discharges to the Flint River. The majority of the stormwater flow to this system originates from offsite drainage areas, located upgradient of the Site. The total onsite (from RACER property) drainage area of the Outfall 003 storm sewer system is approximately 137 acres. In addition, during dry-weather and first flush stormwater flow conditions, approximately 30 to 35 acres of the Outfall 004 storm sewer drainage area flows to Outfall 003, through the diversion manhole (MH-4-6) and the Outfall 003/004 System. The NPDES permit identifies the water discharging from the Site to the Outfall 003 storm sewer system as regulated stormwater, treated groundwater and other miscellaneous waters, drinking fountain overflow, and potential groundwater infiltration. However, due to changes in Site conditions since the permit was issued, regulated stormwater and potential groundwater infiltration are the only remaining water discharged to Outfall 003.

NPDES Monitoring Point 003A (MP 003A) is the only remaining monitoring point along the Outfall 003 Sewer System. It is located downgradient of Oil Interceptor #2 and the Outfall 003/004 System. Note that during dry weather and first-flush stormwater flow water and oil are diverted through the Outfall 003/004 System from both the Outfall 003 and 004 storm sewers. As such, samples collected at MP 003A represent the combined flow of the Outfall 003 and 004 under these conditions. During stormwater flow conditions, however, flows are diverted around the Outfall 003/004 System and discharge through the individual outfalls. Therefore, water samples collected at MP003A during stormwater events are representative of flow only from the Outfall 003A storm sewer.

A weekly sample is collected from MP 003A as required in the NPDES permit. This sample is intended to be representative of dry weather/first-flush flow conditions. However, occasionally due to weather conditions it is not possible to collect a dry weather/first-flush flow sample. When those conditions are encountered, a sample is still collected, but noted as a wet weather sample on the eDMR form. The weekly monitoring data is reported in the monthly eDMR. In addition, a yearly wet weather sample is collected from MP 003A and submitted to the laboratory for PCB analysis.

Outfall 008

There is no data for Outfall 008 due to the installation of a permanent storm sewer bulkhead immediately downstream of Monitoring Point 008. The bulkhead was installed on May 10, 2007 because of a no flow condition in the collapsed or plugged storm sewer line for Outfall 008. Thus, there is no longer a discharge to the Flint River from Outfall 008 and samples are no longer collected at this outfall.

Outfall 010

Outfall 010 is located in the Southend of the Site where all manufacturing facilities have been demolished, leaving the former building foundations or slabs at grade elevation. The water discharging from the Site through this outfall has been identified as non-regulated stormwater and potential groundwater infiltration.

There is no data for Outfall 010 due to the installation of a permanent storm sewer bulkhead in the storm sewer line discharging into Manhole 10-5. In addition, the lateral line connecting Manhole MH 10-4 to the main was excavated, cut, and the void filled with concrete. As such, there is no longer a discharge from the Site to the Outfall 010 storm sewer and samples are no longer collected at this outfall. The MDEQ was notified of these activities in a May 6, 2014 letter to Tarek Buckmaster of MDEQ.

Outfall 011

Outfall 011 is located in the Southend of the Site where all manufacturing facilities have been demolished, leaving the former building foundations or slabs at grade elevation. The contributions to Outfall 011 have changed in recent years due to Site remediation activities and the sale of a portion of the property as detailed below:

- In 2014, Outfall 009 (which had historically combined with and discharged through Outfall 011) was bulkheaded, eliminating contribution from the Outfall 009 drainage area.
- In 2017 the portion of the Outfall 011 drainage area located South of Hamilton Avenue was sold to a third party. Based on the limited survey data available the Outfall 011 storm sewer appears to be above the groundwater table in this area. Therefore, the Site likely no longer has any contribution to the Outfall 011 storm sewer in this area.

The total onsite drainage to Outfall 011 is currently 1.3 acres located north of Hamilton Avenue. The remaining drainage to Outfall 011 consists of upgradient and downgradient contributions by others. non-regulated stormwater. Under the existing NPDES permit a yearly wet weather sample is required to be collected from Outfall 011 and submitted for laboratory analysis of copper.

Outfall 012

Outfall 012 is located in the Southend of the Site where all manufacturing facilities have been demolished, leaving the former building foundations or slabs at grade elevation. The contributions to Outfall 012 have changed in recent years due to the sale of a portion of the property as detailed below:

- In 2017 the portion of the Site draining to Outfall 012 was sold to a third party. Based on the limited survey data available the Outfall 012 storm sewer appears to be below the groundwater table in this area. While the Site no longer is responsible for storm water runoff contribution to the Outfall 012 storm sewer, the Site is still responsible for impacted groundwater infiltration to the storm sewer.

Under the existing NPDES permit a yearly wet weather sample is required to be collected from Outfall 012 and submitted for laboratory analysis of copper.

DATA COLLECTION AND ANALYSIS

ARCADIS personnel collected the yearly wet weather samples on May 1, 2017 (MP 003A and MP 011). The Outfall 012 monitoring point was observed several times in 2017. No flow was observed and therefore, no wet weather sample was collected during 2017. The wet weather sample was not able to be collected at Outfall 012 in 2013, 2014, 2015 or 2016 due to no flow conditions.

The MP 003A and MP 011 stormwater samples were submitted to Merit Laboratories, located in East Lansing, Michigan for PCB and copper analysis, respectively. **Table 1** provides sampling dates, and associated analytes for each of the samples collected from 2008 through 2017. **Attachment 1** provides the laboratory analytical reports for the 2017 samples.

SUMMARY OF RESULTS

Sampling results for Yearly Trend Monitoring of Outfalls 003 and 011 are summarized in **Table 1**.

Outfall 003

PCBs were not detected in the 2017 wet weather sample collected from Outfall 003 at MP 003A.

Outfall 011

Copper was detected in the 2017 wet weather sample collected from Outfall 011 at a concentration of 9 µg/L. This concentration is well below the daily maximum goal for copper of 100 µg/L listed in the NPDES permit at this outfall.

CONCLUSIONS

Outfall 003

PCBs have not been detected during the yearly wet-weather sampling event since September 2010. The Outfall 003/004 System continues to operate and is functioning as intended.

Outfall 011

Copper was detected at a concentration of 9 µg/L during the 2017 wet weather sample collection event. Copper concentrations consistently remain well below the daily maximum goal for copper listed in the NPDES permit of 100 µg/L.

Outfall 012

Outfall 012 was observed several times 2017. No flow was observed and therefore no sample was collected during the 2017 wet weather event. Copper concentrations have historically been well below the daily maximum goal of 100 µg/L listed in the NPDES permit.

If you have any questions, please contact me at 517.324.5052.

Sincerely,

Arcadis of Michigan, LLC

Christopher S. Peters, P.G.
Vice President

Copies:
Grant Trigger, RACER Trust

Enclosures:

Tables

1 Stormwater Sampling Summary

Figures

1 Site Location Map
2 Northend – Storm Sewer, Drainage Area, and Bulkhead Locations
3 Southend – Storm Sewer, Drainage Area, and Bulkhead Locations

Attachments

1 Laboratory Analytical Reports

TABLES

Table 1
Storm Water Sampling Summary
NPDES Permit No. MI0001597
Yearly Trend Monitoring - Outfalls 003, 008, 010, 011, and 012

RACER
Buick City
Flint, Michigan

Outfall 003 - PCBs

Outfall	Parameter	Units	9/3/2008	9/28/2009	9/28/2010	9/27/2011	10/18/2012	10/7/2013	10/3/2014	05/27/15	09/21/16	05/01/17
003	PCB-1016	µg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
003	PCB-1221	µg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
003	PCB-1232	µg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
003	PCB-1242	µg/L	0.16	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
003	PCB-1248	µg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
003	PCB-1254	µg/L	< 0.10	< 0.10	0.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
003	PCB-1260	µg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
003	Total PCB	µg/L	0.16	< 0.10	0.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Outfall 008

A permanent storm sewer bulkhead was installed immediately downstream of Manhole 8-1 (Monitoring Point 008) on May 10, 2007 due to a collapsed or plugged storm sewer line. There is no longer a discharge from Outfall 008.

Outfall 010 - Mercury

Outfall	Sample Type	Units	9/3/2008	9/28/2009	10/13/2010	9/30/2011	10/18/2012	10/7/2013	11/20/2014	2015	2016	2017
010	Sample	ng/L	23.8	6.04	13.6	1.1	12	370	Not Sampled**	Not Sampled**	Not Sampled**	Not Sampled**
010	Duplicate	ng/L	25.9	5.73	NA	<0.500	11	160	Not Sampled**	Not Sampled**	Not Sampled**	Not Sampled**
010	Equipment Blank	ng/L	<0.500	2.84	NA	<0.500	4.8*	<0.500	Not Sampled**	Not Sampled**	Not Sampled**	Not Sampled**
010	Trip Blank	ng/L	<0.500	<0.500	NA	<0.500	4.9*	<0.500	Not Sampled**	Not Sampled**	Not Sampled**	Not Sampled**

Note:

* Merit Laboratories indicate equipment and trip blank detections were most likely caused by naturally occuring mercury in the sample environment as mercury was not detected in the laboratory blank.

** A permanent storm sewer bulkhead was installed in the storm sewer line discharging into Manhole 10-5 and the lateral line connecting Manhole 10-4 to the main was excavated, cut, and the void filled with concrete. There is no longer a discharge from the Site to Outfall 010.

Outfall 011 - Copper

Outfall	Parameter	Units	9/3/2008	9/28/2009	9/28/2010	10/15/2011	10/18/2012	10/7/2013	11/20/2014	5/6/2015	9/21/2016	5/1/2017
011	Copper	µg/L	<10	13	<4	<4	4	8	26	5	8	9
011	Equipment Blank	µg/L	NA	NA	NA	NA	NA	NA	10***	79***	<5	<5

Note:

*** Merit Laboratories indicate equipment blank detections were most likely caused by copper in the sample environment as copper was not detected in the laboratory blank.

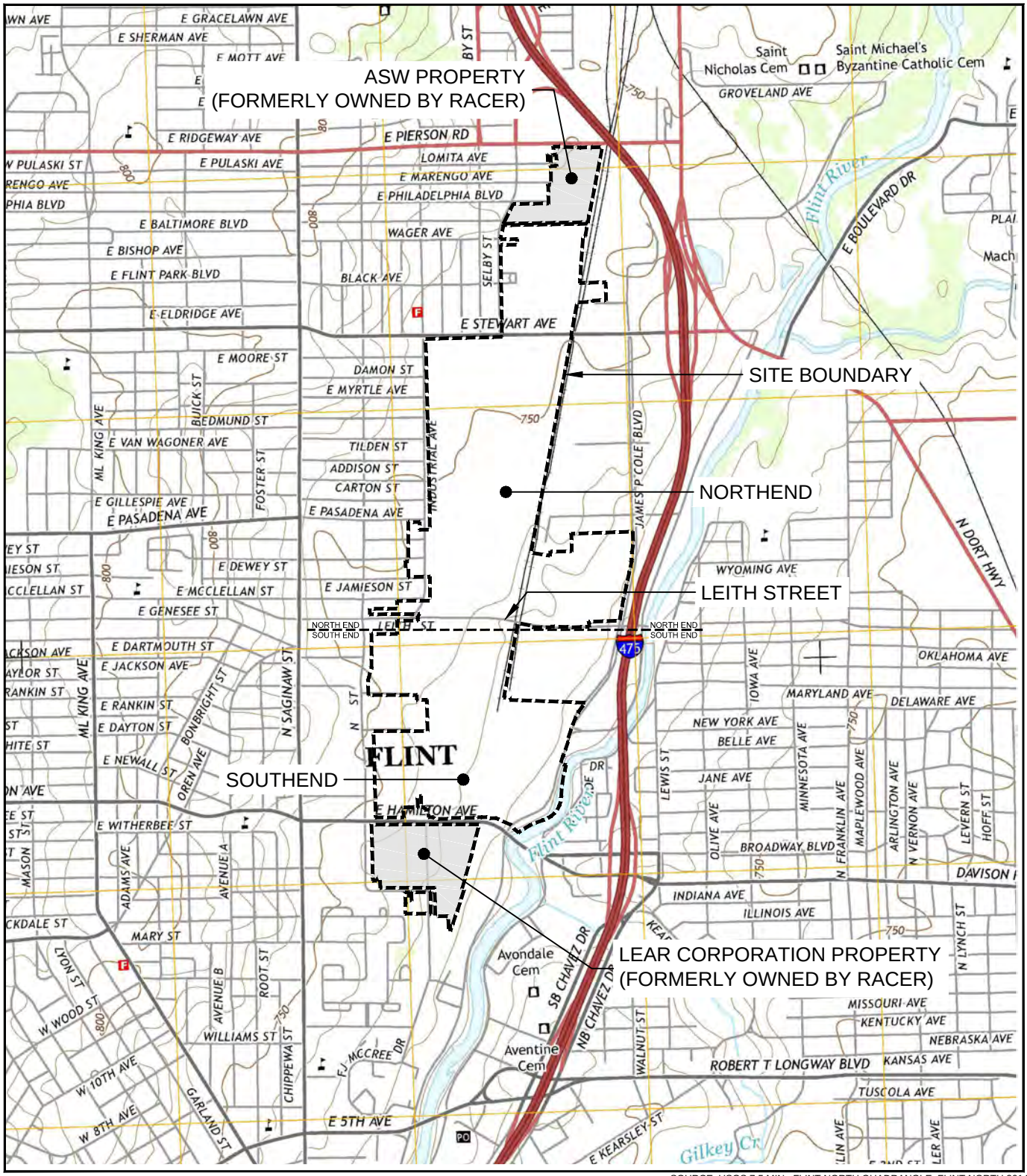
Outfall 012 -Copper

Outfall	Parameter	Units	9/3/2008	9/28/2009	11/22/2010	9/26/2011	10/18/2012	10/7/2013	11/20/2014	2015	2016	2017
012	Copper	µg/L	<10	<10	6	5	4	No Flow****	No Flow****	No Flow****	No Flow****	No Flow****

Note:

**** Outfall 012 was checked various times during the 2013, 2014, 2015, 2016, 2017 sampling events. No flow was observed and therefore no sample was collected.

FIGURES



SOURCE: USGS 7.5 MIN., FLINT NORTH QUADRANGLE, FLINT NORTH 2014

0 2000' 4000'

APPROXIMATE SCALE IN FEET

RACER TRUST
BUICK CITY
FLINT, MICHIGAN

SITE LOCATION MAP

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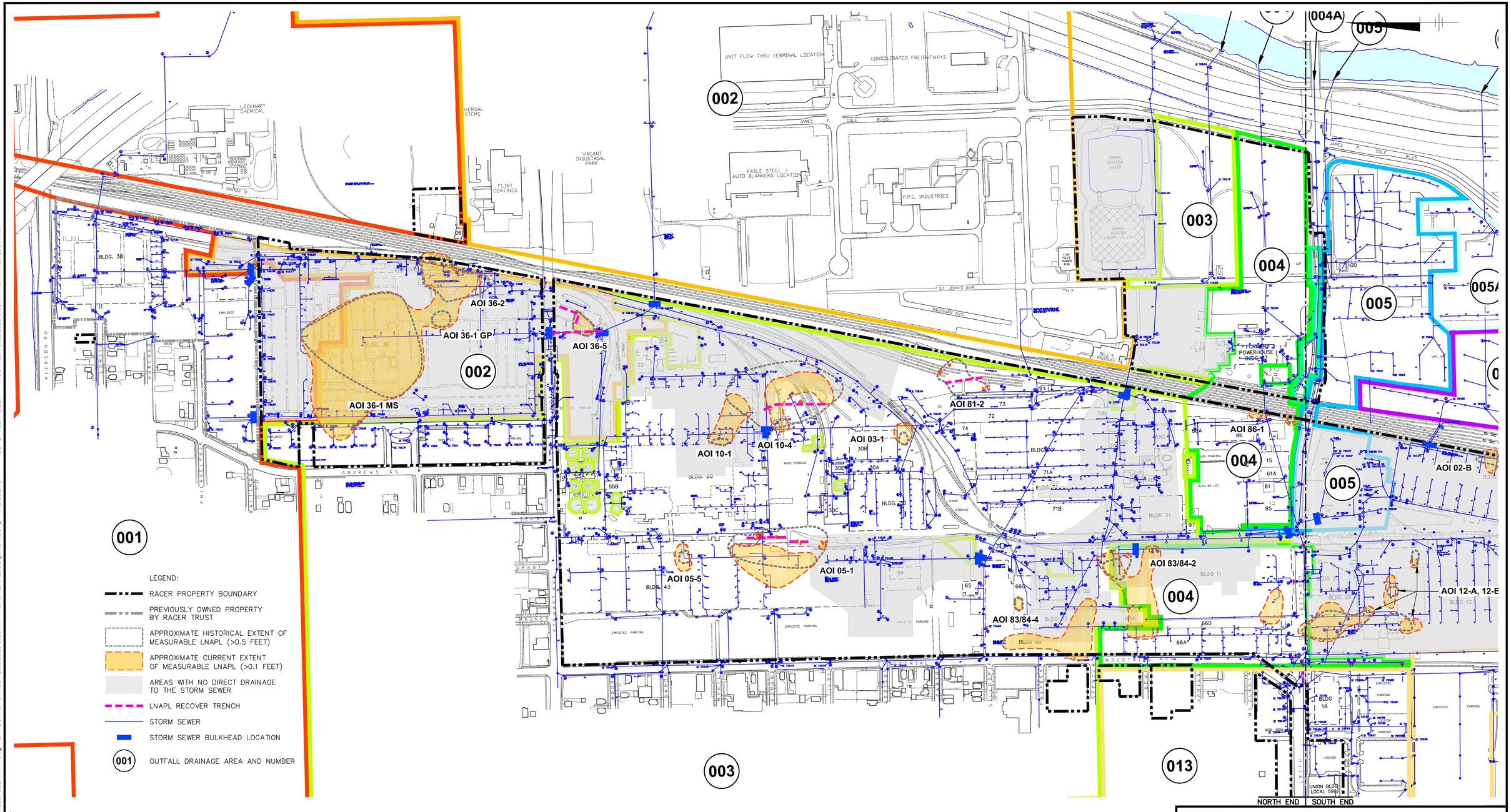
FIGURE 1



LEGEND:

- RACER PROPERTY BOUNDARY
- PREVIOUSLY OWNED PROPERTY BY RACER TRUST
- APPROXIMATE HISTORICAL EXTENT OF MEASURABLE LNAPL (>0.5 FEET)
- APPROXIMATE CURRENT EXTENT OF MEASURABLE LNAPL (>0.1 FEET)
- AREAS WITH NO DIRECT DRAINAGE TO THE STORM SEWER
- LNAPL RECOVER TRENCH
- STORM SEWER
- STORM SEWER BULKHEAD LOCATION
- 001 OUTFALL DRAINAGE AREA AND NUMBER

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED APRIL 2001, AT A SCALE OF 1:100. AERIAL IMAGE FROM ARCGIS 10 ONLINE MAPPING, ACCESSED 6/12/2013.
2. BASED ON INFORMATION AVAILABLE AS OF MARCH 2015.

0 250' 500'
APPROXIMATE SCALE IN FEET

RACER TRUST
BUICK CITY
FLINT, MICHIGAN

NORTHEND - STORM SEWER, DRAINAGE AREA, AND BULKHEAD LOCATIONS

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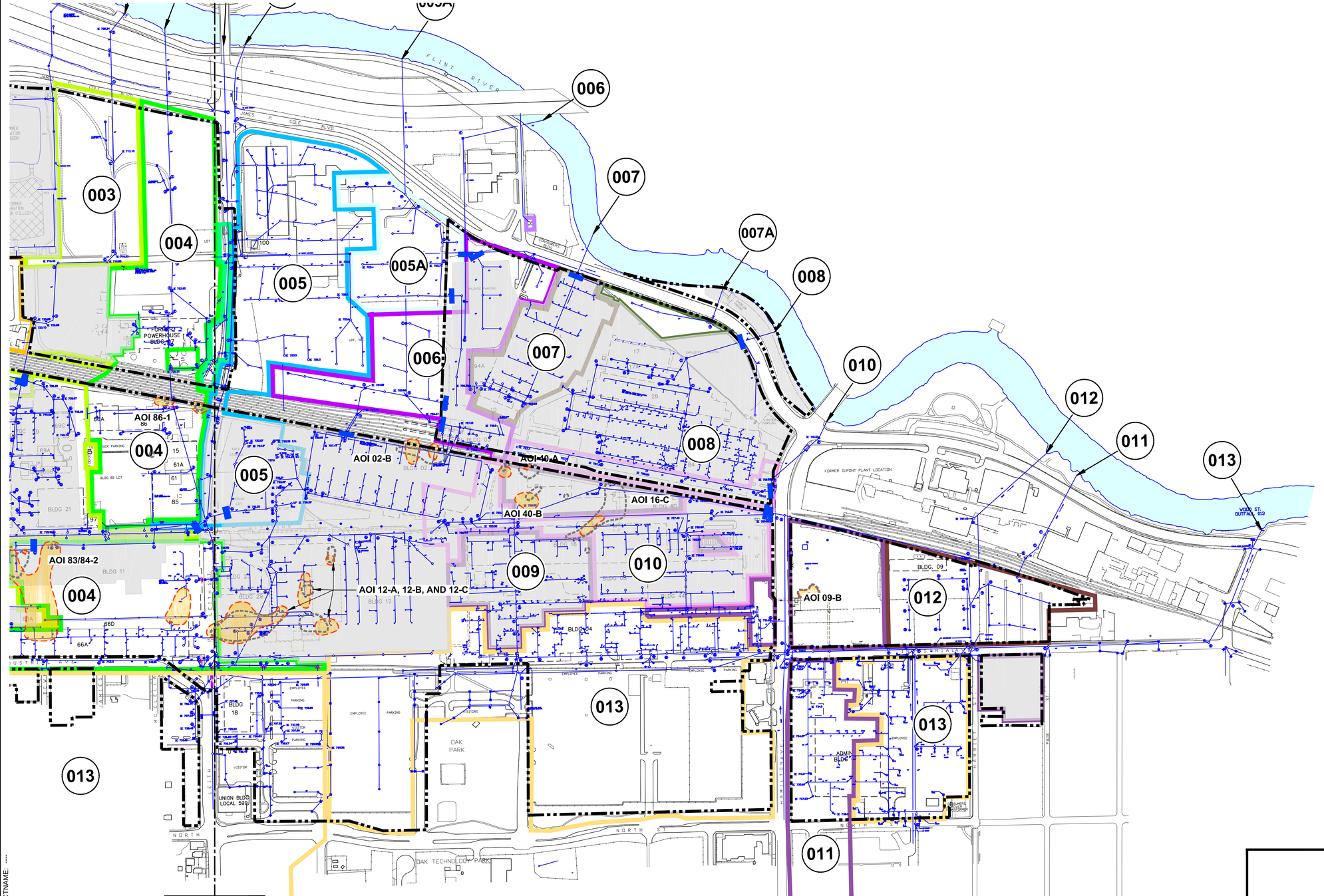
FIGURE 2



LEGEND:

- RACER PROPERTY BOUNDARY
- APPROXIMATE HISTORICAL EXTENT OF MEASURABLE LNAPL (>0.5 FEET)
- APPROXIMATE CURRENT EXTENT OF MEASURABLE LNAPL (>0.1 FEET)
- AREAS WITH NO DIRECT DRAINAGE TO THE STORM SEWER
- LNAPL RECOVER TRENCH
- STORM SEWER
- STORM SEWER BULKHEAD LOCATION
- 001 OUTFALL DRAINAGE AREA AND NUMBER

NOTES:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED APRIL 2001, AT A SCALE OF 1:100. AERIAL IMAGE FROM ARCGIS 10 ONLINE MAPPING, ACCESSED 6/12/2013.
2. BASED ON INFORMATION AVAILABLE AS OF MARCH 2015.

0 250' 500'
APPROXIMATE SCALE IN FEET

RACER TRUST
BUICK CITY
FLINT, MICHIGAN

SOUTHEND - STORM SEWER, DRAINAGE AREA, AND BULKHEAD LOCATIONS

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FIGURE 3

CITY: SYRACUSE DIV/GROUP: ENV DB: A.SANCHEZ LD: ALS/GMS PIC: C.S.PETERS PM: C.KIKER TM: C.KIKER LYR: ON=*;OFF=*REF*
G:\ENVCAD\Lansing-MI\RETURN-TO\syracuse\644101701\SWPPP.dwg LAYOUT: 3 SAVED: 3/25/2016 2:52 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: ----
IMAGES: PROJECTNAME: ---- PLOTSTYLETABLE: ---- PLOTTED: 5/11/2016 9:02 AM BY: AKENS, DAVID

ATTACHMENT 1

Laboratory Analytical Reports

Analytical Laboratory Report

Report ID: S80932.01(01)
Generated on 05/05/2017

Report to

Attention: Erin Kozak
Arcadis
28550 Cabot Drive
Suite 500
Novi, MI 48377

Phone: 810-225-1901 FAX: 248-994-2241
Email: erin.kozak@arcadis.com

Addtional Contacts: Deb Newcom, Beth Nanzer, Megan Humphrey

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S80932.01-S80932.03
Project: B0064410.2017.1703 / Buick City RACER Flint, MI
Collected Date: 05/01/2017
Submitted Date/Time: 05/02/2017 09:49
Sampled by: Deb Newcom
P.O. #: B0064410.2017.1703

Table of Contents

Maya Murshak
Technical Director

Analytical Laboratory Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

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

Qualifier Descriptions

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

Glossary of Abbreviations

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

Method Summary

Method	Version
E200.8	EPA Method 200.8 Revision 5.4
E608	EPA Method 608
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW3510C	SW 846 Method 3510C Revision 3 December 1996

Sample Summary (3 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S80932.01	Wet-Weather-MP011-05012017	Liquid	05/01/17 11:00
S80932.02	Wet-Weather-Equip-Blank-05012017	Liquid	05/01/17 10:00
S80932.03	Wet-Weather-Outfall003A-05012017	Liquid	05/01/17 11:45

Analytical Laboratory Report

Lab Sample ID: S80932.01
Sample Tag: Wet-Weather-MP011-05012017
Collected Date/Time: 05/01/2017 11:00
Matrix: Liquid
COC Reference: BC05012017

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	17.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	05/02/17 11:00	CCM		
Metals								
Copper	0.009	mg/L	0.005	E200.8	05/02/17 12:49	CCM	7440-50-8	

Analytical Laboratory Report

Lab Sample ID: S80932.02
Sample Tag: Wet-Weather-Equip-Blank-05012017
Collected Date/Time: 05/01/2017 10:00
Matrix: Liquid
COC Reference: BC05012017

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	17.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	05/02/17 11:00	CCM		
Metals								
Copper	Not detected	mg/L	0.005	E200.8	05/02/17 12:47	CCM	7440-50-8	

Analytical Laboratory Report

Lab Sample ID: S80932.03
Sample Tag: Wet-Weather-Outfall003A-05012017
Collected Date/Time: 05/01/2017 11:45
Matrix: Liquid
COC Reference: BC05012017

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	17.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			SW3510C	05/04/17 13:18	PLB		
Organics - PCBs/Pesticides								
PCB								
PCB-1016	Not detected	ug/L	0.1	E608	05/04/17 17:55	JAN	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	E608	05/04/17 17:55	JAN	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	E608	05/04/17 17:55	JAN	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	E608	05/04/17 17:55	JAN	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	E608	05/04/17 17:55	JAN	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	E608	05/04/17 17:55	JAN	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	E608	05/04/17 17:55	JAN	11096-82-5	
PCB, Total*	Not detected	ug/L	0.1	E608	05/04/17 17:55	JAN	1336-36-3	

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. Page # 1 of 1 C.O.C I.D.# BC050120171

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Beth Nanzer, Erin Kozak, D.Newcom
COMPANY: ARCADIS U.S., Inc.
ADDRESS: 28550 Cabot Drive Ste 500
CITY: Novi | STATE: MI | ZIP CODE: 48377
PHONE NO.: 248.994.2314 | FAX NO.: 248.994.2241
P.O. NO..:
EMAIL ADDRES: megan.humphrey@arcadis.com; erin.kozak@arcadis-us.com; deborah.newcom@arcadis-us.com
QUOTE NO.: WA# 096

INVOICE TO

☑ SAME

CONTACT NAME: Christi Kiker
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | EMAIL ADDRESS: christi.kiker@arcadis-us.com

PROJECT NO./NAME: B0064410.2017.1703/ Buick City RACER Flint, MI
SAMPLER(S) - PLEASE PRINT/SIGN NAME: D.Newcom

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☑ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ LEVEL I ☑ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☑ EDD ☐ OTHER

Matrix Code: GW=Groundwater WW=Waste Water S=Soil L=Liquid SD=Solid SL=Sludge DW=Drinking Water O=Oil WP=Wipe A=Air W=Waste

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ Ohio VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☑ Other

Special Instructions

MERIT LAB NO. FOR LAB USE ONLY	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION - DESCRIPTION	MATRIX	# OF BOTTLES	# OF CONTAINERS & PRESERVATIVES: NONE	HCL	HNO3	H2S04	NAOH	MEOH	OTHER	Total Copper	PCB
80932.01	5/1/2017	1100	Wet-Weather-MP011-05012017	L	1			X					X	
.02	5/1/2017	1000	Wet-Weather-Equip-Blank-05012017	L	1			X					X	
.03	5/1/2017	1145	Wet-Weather-Outfall003A-05012017	L	1	X								X

lab filled

Relinquished By: Signature/Organization ☑ Sampler Date Time
Recieved By: Signature/Organization Date 5/2/17 Time 949
Relinquished By: Signature/Organization Date Time
Recieved By: Signature/Organization Date Time

Relinquished By: Signature/Organization Date Time
Recieved By: Signature/Organization Date Time

Seal No. Seal Intact ☐ Yes ☐ No Initals
Seal No. Seal Intact ☐ Yes ☐ No Initals

Notes: Temp. on arrival 12.1