



June 4, 2020

Reference No. 012559A

Ms. Gayle Behr
Senior Environmental Engineer
Fairfax Assembly Plant
3201 Fairfax Trafficway
Kansas City, Kansas 66115

Dear Ms. Behr:

**Re: Field Activities Summary Report
Monitoring Network Re-establishment
Fairfax Assembly Property
Kansas City, Kansas**

GHD Services Inc. (GHD), on behalf of the Revitalizing Auto Communities Environmental Responses (RACER) Trust is pleased to provide General Motors, LLC (GM) with this Field Activities Summary Report. This Report provides details of the installation of monitoring wells relating to the Former Fairfax I Plant Site (Site) and laboratory analytical results for wells located on the Fairfax Assembly Plant property at 3201 Fairfax Trafficway in Kansas City, Kansas. The work was done in accordance with a Kansas Department of Health and Environment (KDHE)-approved *Corrective Action Plan* dated August 31, 2018 and the Access Agreement entered into between RACER and GM dated June 29, 2019. This report also provides details for the plugging and abandoning of historical monitoring wells located at the Fairfax Assembly Plant that are not required for monitoring groundwater at the Site.

1. Field Activities

1.1 Monitoring Well Installation

On January 21 and 22, 2020, GeoCore, a Kansas-licensed drilling company, completed the installation of three monitoring wells on GM property at the locations shown on the attached Figure 1. The monitoring wells were screened in shallow (MW-208A), intermediate (MW-208B), and deep (MW-208C) groundwater intervals to total depths of 27, 60, and 90 feet below ground surface (bgs), respectively. The wells were completed with flush-mount protective vaults.

During monitoring well installation, GHD screened unsaturated soil samples at 2.5-foot intervals for volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with a 10.6 eV lamp. No elevated readings were encountered during drilling activities. Soils were containerized in a roll-off box, sampled for waste characterization, and disposed of at Johnson County Landfill.

GHD described and logged soils from each sample interval in accordance with the ASTM International Standard 2488, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure, Unified Soil Classification System). Boring logs are included in Attachment A.



Drilling equipment was decontaminated between each sampling interval using a decontamination station that included a self-contained wash bin and hot water pressure washer (Hotsy) to decontaminate equipment.

Construction details for monitoring wells located on the Fairfax Assembly Plant property are provided in Table 1. Water Well Completion Forms (WWC-5) were submitted to the KDHE Bureau of Water (BOW) as required and provided in Attachment B.

1.2 Well Development

The monitoring wells were developed using a combination of submersible pump and an air compressor to ensure proper transmissivity with the desired aquifer. Development water was containerized, sampled for waste characterization and disposed of at Johnson County Landfill.

1.3 Monitoring Well Abandonment

On January 24, 2020, GHD and GeoCore located three of the five off-site monitoring wells proposed to be abandoned on GM property shown on Figure 1. GHD and GeoCore located MW-119A, MW-119B, and MW-160A. GeoCore gauged each well for depth to groundwater and total depth, and grouted the well casings to within 3 feet of the ground surface using Portland cement delivered with a tremie pipe. GeoCore removed the protective bollards and top 3 feet of PVC riser and backfilled from the top of the remaining casing to the surface with soil. MW-121A and MW-121B could not be located and may have been destroyed during recent activities associated with construction on GM property. Water Well Plugging Forms (WWC-5P) were submitted to KDHE-BOW as required and provided in Attachment C.

2. Groundwater Monitoring

On January 28, 2020, GHD measured the depth to groundwater in the wells located on the Fairfax Assembly Plant property (MW-1A, MW-1B, MW-1C, MW-110A, MW-208A, MW-208B, and MW-208C). Groundwater elevations are provided in Table 2. Throughout the subsequent week, monitoring wells were sampled according to the GHD Standard Operating Procedures utilizing Low-Flow Purging techniques. As a part of Quality Control (QC) procedures, a blind duplicate was collected from MW-1A and a trip blank was stored and shipped with the groundwater samples. GHD submitted the samples and the trip blank under chain-of-custody protocols to Pace Analytical Services (Pace) in Lenexa, Kansas.

2.1 Laboratory Analytical Results

Pace analyzed the samples for VOCs using SW-846 Method 8260B. Representative pages from the laboratory analytical report for the monitoring well samples collected from the Fairfax Assembly Plant are included in Attachment D and the data is summarized in the attached Table 3.



Please feel free to contact the undersigned at (785) 783-8982 should you require clarification or further information on any aspect of this Field Activities Summary Report.

Sincerely,

GHD

A handwritten signature in blue ink, appearing to read "Travis Kogl", is written over a light blue horizontal line.

Travis Kogl

TK/mk/01

cc: Ed Peterson, General Motors

Attached:

Figure 1 – Site Map

Table 1 – Well Construction Data

Table 2 – Groundwater Elevation Data

Table 3 – Groundwater Analytical Results

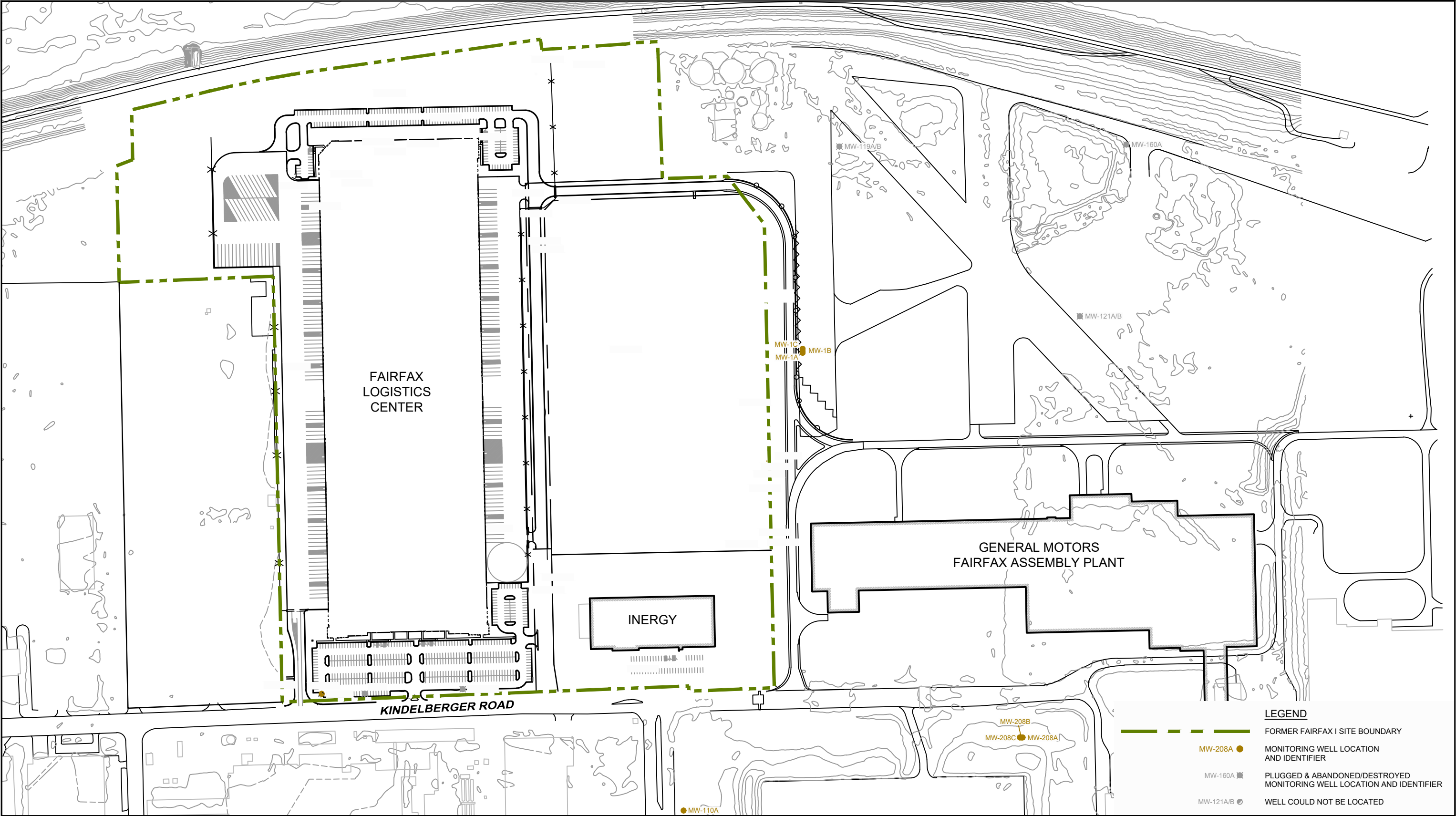
Attachment A – Boring Logs

Attachment B – WWC-5

Attachment C - WWC-5P Forms

Attachment D – Pages from Laboratory Analytical Report

Figures



Tables

Table 1
Monitoring Well Construction Details
Fairfax Assembly Plant
Kansas City, Kansas

Monitoring Well	Area of Concern	Designation	Completion	Completion Date	Well Material²	Top of Screen (ft bgs)³	Bottom of Screen (ft bgs)
MW-1A	Perimeter	Shallow	Stick-up	3/27/1985	PVC	15.0	35.0
MW-1B	Perimeter	Intermediate	Stick-up	3/27/1985	PVC	65.0	85.0
MW-1C	Perimeter	Deep	Stick-up	4/1/1985	PVC	87.0	107.0
MW-110A	Off-Site	Shallow	Stick-up	--	PVC	--	--
MW-208A	TMW-127, off-site	Shallow	Flush Mount	1/21/2020	PVC	17.0	27.0
MW-208B	TMW-127, off-site	Intermediate	Flush Mount	1/21/1920	PVC	50.0	60.0
MW-208C	TMW-127, off-site	Deep	Flush Mount	1/22/1920	PVC	80.0	90.0

ft AMSL - feet above mean sea level

PVC - polyvinyl chloride

Table 2
Groundwater Elevation Data
Fairfax Assembly Plant
Kansas City, Kansas

Location	Designation	Date	TOC Elevation (Feet amsl)	Depth to Depth (Feet)	Groundwater Elevation (Feet amsl)
MW-1A	Shallow	01/28/20	745.93	19.22	726.71
MW-1B	Intermediate	01/28/20	745.40	18.65	726.75
MW-1C	Deep	01/28/20	746.13	19.29	726.84
MW-110A	Shallow	01/28/20	743.89	16.29	727.60
MW-208A	Shallow	01/28/20	744.16	15.90	728.26
MW-208B	Intermediate	01/28/20	744.03	15.80	728.23
MW-208C	Deep	01/28/20	744.07	15.84	728.23

Notes

amsl - above mean sea level
TOC - top of casing

Table 3
Groundwater Ananalytical Results
Fairfax Assembly Plant
Kansas City, Kansas

Sample Location: Sample ID: Sample Date:			MW-1A WG-012920-NL-005 1/29/2020	MW-1A WG-012920-NL-006 1/29/2020 Duplicate	MW-1B WG-012920-NL-007 1/29/2020	MW-1C WG-012920-NL-008 1/29/2020	MW-110A WG-020320-NL-028 2/3/2020	MW-208A WG-012920-NL-009 1/29/2020	MW-208B WG-012920-NL-016 1/29/2020	MW-208C WG-012920-NL-010 1/29/2020
Parameters	Units	Tier 2 Standard								
VOCs										
1,1,1-Trichloroethane	mg/L	0.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrachloroethane	mg/L	0.00128	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	mg/L	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L	0.0461	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/L	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene	mg/L	0.07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.0002	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.00005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	mg/L	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/L	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.075	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	11.8	<0.01	<0.01	<0.01	0.0037 J	<0.01	<0.01	<0.01	<0.01
2-Hexanone	mg/L	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Methyl-2-pentanone	mg/L	4.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acetone	mg/L	45.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzene	mg/L	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	mg/L	0.08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform	mg/L	0.08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane (Methyl bromide)	mg/L	0.0132	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon disulfide	mg/L	1.66	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	mg/L	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane	mg/L	26.4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform (Trichloromethane)	mg/L	0.08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00024 J	<0.001
Chloromethane (Methyl chloride)	mg/L	0.238	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	mg/L	0.07	<0.001	<0.001	0.007	0.00026 J	<0.001	<0.001	<0.001	0.0028
cis-1,3-Dichloropropene	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cyclohexane	mg/L	14.7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane	mg/L	0.08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichlorodifluoromethane (CFC-12)	mg/L	0.567	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	mg/L	0.7	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropyl benzene	mg/L	0.968	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methyl acetate	mg/L	--	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl cyclohexane	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methyl tert butyl ether (MTBE)	mg/L	0.262	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00016 J
Methylene chloride	mg/L	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	mg/L	0.005	<0.001	<0.001	<0.001	<0.001	0.0107	<0.001	<0.001	<0.001
Toluene	mg/L	1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,2-Dichloroethene	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-Dichloropropene	mg/L	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	mg/L	0.005	<0.001	<0.001	<0.001	<0.001	0.0003 J	<0.001	<0.001	<0.001
Trichlorofluoromethane (CFC-11)	mg/L	1.9	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trifluorotrichloroethane (CFC-113)	mg/L	20.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl chloride	mg/L	0.002	<0.001	<0.001	0.0025	<0.001	<0.001	<0.001	<0.001	0.00022 J
Xylenes (total)	mg/L	10	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003

Footnotes:
J - Estimated concentration.
Bold value exceeds KDHE Tier 2 Risk-Based Standard

Attachments

Attachment A

Boring Logs



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME:

HOLE DESIGNATION: MW-208A

PROJECT NUMBER: 012559A

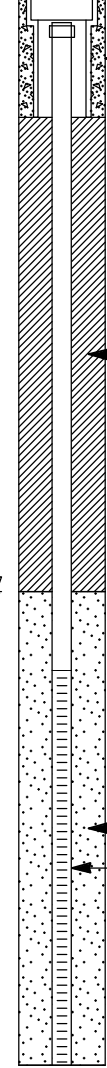
DATE COMPLETED: 22 January 2020

CLIENT: RACER: Fairfax

DRILLING METHOD: Hollow Stem Augers

LOCATION: 100 Kindelberger Road, Kansas City, Kansas

FIELD PERSONNEL: Sean Murphy

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)		
2	TOPSOIL, silty with fine sandy clay, firm, no plastic, blocky, dark brown, dry, roots and organics		 Grout Bentonite Sand Pack Well Screen					
2.50	SC-SAND, silty, medium sand, subrounded, trace clay, low cohesion, dry	2.50						
3.50	CL-SILTY CLAY, with trace fine sand, firm, low plasticity, blocky, gray/black, dry	3.50						
4	CL-SILTY CLAY, with trace fine sand, firm, low plasticity, blocky, gray/black, dry	5.00						
6	CL-CLAY, trace silt and trace fine sand, moderately firm, low plastic, grayish brown, dry							
8								
10	CL-SILTY CLAY, trace fine sand, firm, no plastic, blocky, light brown, dry	10.00						
12	CL-CLAY, with some silt and trace fine sand, soft, plastic, blocky, light brown, damp	12.50						
14	SC-SAND, clayey, fine to medium sand with some silt, low cohesion, brown, damp	14.00						
16								
18	SC-SAND, fine to medium, with some clay and silt, no cohesion, brown, wet	17.50	WELL DETAILS Screened interval: 17.00 to 27.00ft BGS Length: 10ft Diameter: 2in Slot Size: #10 Material: PVC Seal: 3.00 to 15.00ft BGS Material: Bentonite Sand Pack: 15.00 to 27.00ft BGS Material: Silica					
20								
22								
24								
26								
27	END OF BOREHOLE @ 27.00ft BGS	27.00						
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼

OVERBURDEN LOG 012559A.GPJ GHD_Corp 22/5/20



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 2

PROJECT NAME:

PROJECT NUMBER: 012559A

CLIENT: RACER: Fairfax

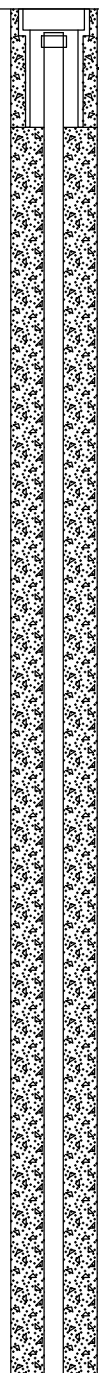
LOCATION: 100 Kindelberger Road, Kansas City, Kansas

HOLE DESIGNATION: MW-208B

DATE COMPLETED: 21 January 2020

DRILLING METHOD: Hollow Stem Augers

FIELD PERSONNEL: Sean Murphy

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)		
2	CL-CLAY, silty, with sand, firm, no plasticity, blocky, dark brown, dry, roots (topsoil)							
	SC-SAND, medium to coarse grained, with silt, low cohesion, dry	2.50						
4	CL-SILTY, with trace fine sand, firm, no plasticity, blocky, gray/black, dry	3.50						
	CL-CLAY, trace silt, trace fine sand, firm, no plasticity, blocky, gray/brown, dry	5.00						
6								
8								
10	CL-CLAY, silty, with trace fine sand, firm, no plasticity, blocky, light brown, dry	10.00						
12	CL-CLAY, silty, with trace sand, soft, plastic, blocky, light brown, dry	12.50						
14	SC-SAND, clayey, fine to medium grained, loose, brown, dry	14.00						
16								
18	SC-SAND, fine to medium coarse grained, loose, brown, damp	17.50						
20	- wet at 19.50ft BGS	20.00						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼

OVERBURDEN LOG 012559A.GPJ GHD_Corp 22/5/20



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 2

PROJECT NAME:

PROJECT NUMBER: 012559A

CLIENT: RACER: Fairfax

LOCATION: 100 Kindelberger Road, Kansas City, Kansas

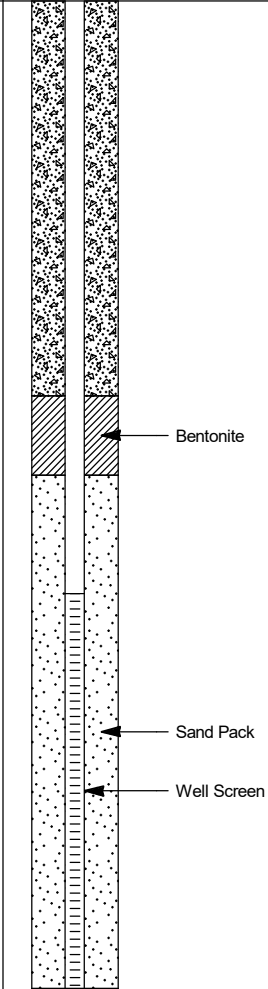
HOLE DESIGNATION: MW-208B

DATE COMPLETED: 21 January 2020

DRILLING METHOD: Hollow Stem Augers

FIELD PERSONNEL: Sean Murphy

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)		
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60	END OF BOREHOLE @ 60.00ft BGS							
62								
64								
66								
68								



WELL DETAILS

Screened interval:

50.00 to 60.00ft BGS

Length: 10ft

Diameter: 2in

Slot Size: #10

Material: PVC

Seal:

45.00 to 47.00ft BGS

Material: Bentonite

Sand Pack:

47.00 to 60.00ft BGS

Material: Silica

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼

OVERBURDEN LOG 012559A.GPJ GHD_Corp 22/5/20



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 3

PROJECT NAME:

PROJECT NUMBER: 012559A

CLIENT: RACER: Fairfax

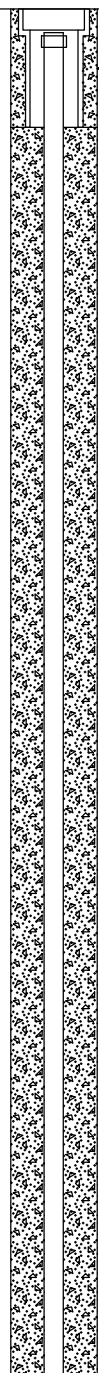
LOCATION: 100 Kindelberger Road, Kansas City, Kansas

HOLE DESIGNATION: MW-208C

DATE COMPLETED: 21 January 2020

DRILLING METHOD: Hollow Stem Augers

FIELD PERSONNEL: Nick Laskares

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)		
2	CL-SANDY SILT, low plasticity, medium firm, dark brown, dry, organics (topsoil)							
4								
6	CL-CLAY, trace silt, trace sand, medium firm, plastic, blocky, dark brown, dry, root traces	5.00						
8	CL-CLAY, with silt, trace fine sand, medium firm, plastic, brown, dry, small blocky	7.50						
10	CL-CLAY, silty, fine sand, low plasticity, soft, laminated, light brown, dry to damp	9.00						
12	CL-CLAY, silty, fine sand clay, medium soft, no plasticity, brown, damp, laminated	10.00						
14								
16	SC-SAND, silty, clayey, fine to medium, subrounded, low cohesion, tan-brown, wet	15.00						
18		17.50						
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 

OVERBURDEN LOG 012559A.GPJ GHD_Corp 22/5/20



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 3

PROJECT NAME:

PROJECT NUMBER: 012559A

CLIENT: RACER: Fairfax

LOCATION: 100 Kindelberger Road, Kansas City, Kansas

HOLE DESIGNATION: MW-208C

DATE COMPLETED: 21 January 2020

DRILLING METHOD: Hollow Stem Augers

FIELD PERSONNEL: Nick Laskares

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)		
36								
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼

OVERBURDEN LOG 012559A.GPJ GHD_Corp 22/5/20



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 3 of 3

PROJECT NAME:

PROJECT NUMBER: 012559A

CLIENT: RACER: Fairfax

LOCATION: 100 Kindelberger Road, Kansas City, Kansas

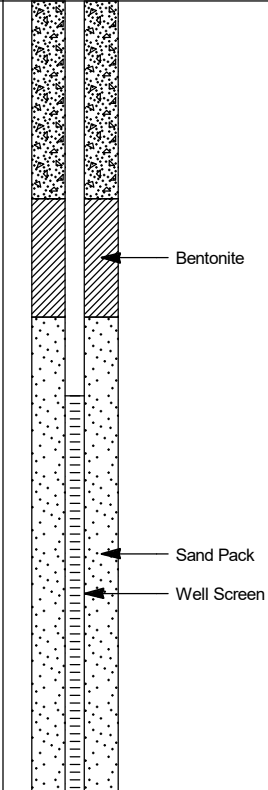
HOLE DESIGNATION: MW-208C

DATE COMPLETED: 21 January 2020

DRILLING METHOD: Hollow Stem Augers

FIELD PERSONNEL: Nick Laskares

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)		
72								
74								
76								
78								
80								
82								
84								
86								
88								
90	END OF BOREHOLE @ 90.00ft BGS							
92								
94								
96								
98								
100								
102								
104								



WELL DETAILS

Screened interval:

80.00 to 90.00ft BGS

Length: 10ft

Diameter: 2in

Slot Size: #10

Material: PVC

Seal:

75.00 to 78.00ft BGS

Material: Bentonite

Sand Pack:

78.00 to 90.00ft BGS

Material: Silica

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼

OVERBURDEN LOG 012559A.GPJ GHD_Corp 22/5/20

Attachment B

Water Well Completion Forms (WWC-5)

WATER WELL RECORD Form WWC-5

☒ Original Record ☐ Correction ☐ Change in Well Use

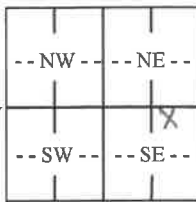
Division of Water
Resources App. No.

Well ID

MW-208A

1 LOCATION OF WATER WELL: County: Wyandotte	Fraction NE ¼ NW ¼ NE ¼ SE ¼	Section Number 27	Township Number T 10 S	Range Number R 25 E W
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2 WELL OWNER: Last Name: Business: General Motors Corporation Address: 100 Kindleberger Road Address: City: Kansas City State: KS ZIP: 66115	First: Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: ☐
---	---

3 LOCATE WELL WITH "X" IN SECTION BOX: N  W E S -----1 mile-----	4 DEPTH OF COMPLETED WELL: 27 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) ☐ Dry Well WELL'S STATIC WATER LEVEL: ft. ☐ below land surface, measured on (mo-day-yr) ☐ above land surface, measured on (mo-day-yr) Pump test data: Well water was ft. after hours pumping gpm Well water was ft. after hours pumping gpm Estimated Yield: gpm Bore Hole Diameter: 8.5 in. to 27 ft. and in. to ft.	5 Latitude: 39.149778 (decimal degrees) Longitude: -94.606494 (decimal degrees) Horizontal Datum: ☒ WGS 84 ☐ NAD 83 ☐ NAD 27 Source for Latitude/Longitude: ☐ GPS (unit make/model:) (WAAS enabled? ☐ Yes ☐ No) ☒ Land Survey ☐ Topographic Map ☐ Online Mapper:
	6 Elevation: ft. ☐ Ground Level ☐ TOC Source: ☐ Land Survey ☐ GPS ☐ Topographic Map ☐ Other	

7 WELL WATER TO BE USED AS: 1. Domestic: ☐ Household ☐ Lawn & Garden ☐ Livestock 2. ☐ Irrigation 3. ☐ Feedlot 4. ☐ Industrial 5. ☐ Public Water Supply: well ID 6. ☐ Dewatering: how many wells? 7. ☐ Aquifer Recharge: well ID 8. ☒ Monitoring: well ID MW-208A 9. Environmental Remediation: well ID ☐ Air Sparge ☐ Soil Vapor Extraction ☐ Recovery ☐ Injection 10. ☐ Oil Field Water Supply: lease 11. Test Hole: well ID ☐ Cased ☐ Uncased ☐ Geotechnical 12. Geothermal: how many bores? a) Closed Loop ☐ Horizontal ☐ Vertical b) Open Loop ☐ Surface Discharge ☐ Inj. of Water 13. ☐ Other (specify):		
---	--	--

Was a chemical/bacteriological sample submitted to KDHE? ☐ Yes ☒ No If yes, date sample was submitted:

Water well disinfected? ☐ Yes ☒ No

8 TYPE OF CASING USED: ☐ Steel ☒ PVC ☐ Other Casing diameter 2 in. to ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface in. Weight lbs./ft. Wall thickness or gauge No. Sch. 40	CASING JOINTS: ☐ Glued ☐ Clamped ☐ Welded ☒ Threaded
---	--

TYPE OF SCREEN OR PERFORATION MATERIAL:
☐ Steel ☐ Stainless Steel ☐ Fiberglass ☒ PVC ☐ Other (Specify)
☐ Brass ☐ Galvanized Steel ☐ Concrete tile ☐ None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
☐ Continuous Slot ☒ Mill Slot ☐ Gauze Wrapped ☐ Torch Cut ☐ Drilled Holes ☐ Other (Specify)
☐ Louvered Shutter ☐ Key Punched ☐ Wire Wrapped ☐ Saw Cut ☐ None (Open Hole)

SCREEN-PERFORATED INTERVALS: From 17 ft. to 27 ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 15 ft. to 27 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☒ Bentonite ☒ Other Concrete Grout Intervals: From 0 ft. to 2 ft., From 2 ft. to 15 ft., From ft. to ft.

Nearest source of possible contamination:
☐ Septic Tank ☐ Lateral Lines ☐ Pit Privy ☐ Livestock Pens ☐ Insecticide Storage
☐ Sewer Lines ☐ Cess Pool ☐ Sewage Lagoon ☐ Fuel Storage ☐ Abandoned Water Well
☐ Watertight Sewer Lines ☐ Seepage Pit ☐ Feedyard ☐ Fertilizer Storage ☐ Oil Well/Gas Well
☐ Other (Specify)
 Direction from well? Distance from well? ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	2.5	Clay, sandy, w/gravel fill, Brown			
2.5	5	Clay, silty, w/little f sand, Brown			
5	6	Clay, silty, w/f sand, Brown			
6	12.5	Sand, f, silty, Gray-Brown			
12.5	27	Sand, f-m, Gray-Brown			

Notes:

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was ☒ constructed, ☐ reconstructed, or ☐ plugged under my jurisdiction and was completed on (mo-day-year) 1/21/2020 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 527 This Water Well Record was completed on (mo-day-year) 2/21/2020 under the business name of GeoCore, LLC Signature *GeoCore, LLC*

☒ Original Record ☐ Correction ☐ Change in Well Use

Well ID

MW-208B

[illegible]

WATER WELL RECORD Form WWC-5

☒ Original Record ☐ Correction ☐ Change in Well Use

Division of Water
Resources App. No.

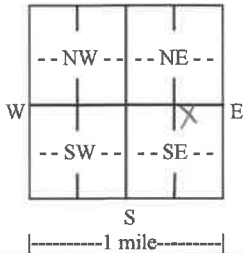
Well ID

MW-208C

1 LOCATION OF WATER WELL: County: Wyandotte	Fraction NE ¼ NW ¼ NE ¼ SE ¼	Section Number 27	Township Number T 10 S	Range Number R 25 ☒ E ☐ W
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2 WELL OWNER: Last Name: First: Business: General Motors Corporation Address: 100 Kindleberger Road Address: City: Kansas City State: KS ZIP: 66115	Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: ☐
--	---

3 LOCATE WELL WITH "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 90 ft.
 Depth(s) Groundwater Encountered: 1) ft.
 2) ft. 3) ft., or 4) ☐ Dry Well
WELL'S STATIC WATER LEVEL: ft.
☐ below land surface, measured on (mo-day-yr)
☐ above land surface, measured on (mo-day-yr)
 Pump test data: Well water was ft.
 after hours pumping gpm
 Well water was ft.
 after hours pumping gpm
 Estimated Yield: gpm
 Bore Hole Diameter: 8.5 in. to 90 ft. and
 in. to ft.

5 Latitude: 39.149779 (decimal degrees)
Longitude: -94.606527 (decimal degrees)
Horizontal Datum: ☒ WGS 84 ☐ NAD 83 ☐ NAD 27
Source for Latitude/Longitude:
☐ GPS (unit make/model:)
 (WAAS enabled? ☐ Yes ☐ No)
☒ Land Survey ☐ Topographic Map
☐ Online Mapper:

6 Elevation: ft. ☐ Ground Level ☐ TOC
Source: ☐ Land Survey ☐ GPS ☐ Topographic Map
☐ Other

7 WELL WATER TO BE USED AS:

1. Domestic: ☐ Household ☐ Lawn & Garden ☐ Livestock 2. ☐ Irrigation 3. ☐ Feedlot 4. ☐ Industrial	5. ☐ Public Water Supply: well ID 6. ☐ Dewatering: how many wells? 7. ☐ Aquifer Recharge: well ID 8. ☒ Monitoring: well ID MW-208C 9. Environmental Remediation: well ID ☐ Air Sparge ☐ Soil Vapor Extraction ☐ Recovery ☐ Injection	10. ☐ Oil Field Water Supply: lease 11. Test Hole: well ID ☐ Cased ☐ Uncased ☐ Geotechnical 12. Geothermal: how many bores? a) Closed Loop ☐ Horizontal ☐ Vertical b) Open Loop ☐ Surface Discharge ☐ Inj. of Water 13. ☐ Other (specify):
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Was a chemical/bacteriological sample submitted to KDHE? ☐ Yes ☒ No If yes, date sample was submitted:
Water well disinfected? ☐ Yes ☒ No

8 TYPE OF CASING USED: ☐ Steel ☒ PVC ☐ Other **CASING JOINTS:** ☐ Glued ☐ Clamped ☐ Welded ☒ Threaded
 Casing diameter 2 in. to 80 ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface in. Weight lbs./ft. Wall thickness or gauge No. Sch. 40

TYPE OF SCREEN OR PERFORATION MATERIAL:
☐ Steel ☐ Stainless Steel ☐ Fiberglass ☒ PVC ☐ Other (Specify)
☐ Brass ☐ Galvanized Steel ☐ Concrete tile ☐ None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
☐ Continuous Slot ☒ Mill Slot ☐ Gauze Wrapped ☐ Torch Cut ☐ Drilled Holes ☐ Other (Specify)
☐ Louvered Shutter ☐ Key Punched ☐ Wire Wrapped ☐ Saw Cut ☐ None (Open Hole)

SCREEN-PERFORATED INTERVALS: From 80 ft. to 90 ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 78 ft. to 90 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: ☐ Neat cement ☒ Cement grout ☒ Bentonite ☒ Other Concrete
 Grout Intervals: From 0 ft. to 1 ft., From 1 ft. to 76 ft., From 76 ft. to 78 ft.

Nearest source of possible contamination:
☐ Septic Tank ☐ Lateral Lines ☐ Pit Privy ☐ Livestock Pens ☐ Insecticide Storage
☐ Sewer Lines ☐ Cess Pool ☐ Sewage Lagoon ☐ Fuel Storage ☐ Abandoned Water Well
☐ Watertight Sewer Lines ☐ Seepage Pit ☐ Feedyard ☐ Fertilizer Storage ☐ Oil Well/Gas Well
☐ Other (Specify)
 Direction from well? Distance from well? ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	2.5	Clay, sandy, w/gravel (fill), Brown			
2.5	5	Clay, silty, w/little f sand, Brown			
5	6.5	Clay, silty, w/f sand, Brown			
6.5	90	Sand, f, silty, Gray-Brown			

Notes:

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was ☒ constructed, ☐ reconstructed, or ☐ plugged under my jurisdiction and was completed on (mo-day-year) 1/22/2020 and this record is true to the best of my knowledge and belief.
 Kansas Water Well Contractor's License No. 527 This Water Well Record was completed on (mo-day-year) 2/21/2020
 under the business name of GeoCore, LLC Signature: *GeoCore, LLC*

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section,
 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

Visit us at <http://www.kdheks.gov/waterwell/index.html>

KSA 82a-1212

Revised 7/10/2015

Attachment C

Water Well Plugging Forms (WWC-5P)

WATER WELL PLUGGING RECORD Form WWC-5P
KSA 82a-1212 ID NO. MW-119A

1 LOCATION OF WATER WELL: County: <u>Wyandotte</u>		Fraction <u>NE 1/4 SE 1/4 NW 1/4 NE 1/4</u>		Section Number <u>27</u>	Township Number <u>10 S</u>	Range Number <u>25</u> ☒ E ☐ W																																				
Street/Rural Address of Well Location; if unknown, distance and direction from nearest town or intersection. If at owner's address, check here ☒				Global Positioning Systems (GPS) Information: Latitude: <u>39.154756</u> (in decimal degrees) Longitude: <u>-94.608456</u> (in decimal degrees) Elevation: _____ Datum: ☒ WGS84 ☐ NAD83 ☐ NAD27 Collection Method: ☐ GPS unit Make/Model: _____ ☒ Digital Map/Photo ☐ Topographic Map ☐ Land Survey Est. Accuracy: ☐ <3 m ☐ 3-5 m ☐ 5-15 m ☐ >15 m																																						
2 WATER WELL OWNER: General Motors Corporation RR#, St. Address, Box # <u>100 Kindleberger Road</u> City, State ZIP Code <u>Kansas City, KS 66115</u>																																										
3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX: N <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">NW</td> <td style="padding: 5px; text-align: center;">X</td> <td style="padding: 5px;">NE</td> </tr> <tr> <td style="padding: 5px;">SW</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">SE</td> </tr> </table> W E S		NW	X	NE	SW		SE	4 DEPTH OF WELL: <u>36</u> ft. WELL'S STATIC WATER LEVEL: <u>20.98</u> ft. BTOC WELL WAS USED AS: ☐ Domestic ☐ Public Water Supply ☐ Dewatering ☐ Irrigation ☐ Old Field Water Supply ☒ Monitoring ☐ Feedlot ☐ Domestic (Lawn/Garden) ☐ Injection Well ☐ Industrial ☐ Air Conditioning ☐ Other _____ Was a chemical/bacteriological sample submitted to Department? ☐ Yes ☒ No																																		
NW	X	NE																																								
SW		SE																																								
5 TYPE OF BLANK CASING USED: ☐ Steel ☐ RMP (SR) ☐ Wrought ☐ Fiberglass ☐ Other: _____ ☒ PVC ☐ ABS ☐ Asbestos/Cement ☐ Concrete Tile Blank casing diameter: <u>2</u> in. Was casing pulled? ☒ Yes ☐ No If Yes, how much <u>3'</u> Casing height above or below land surface: _____ in.																																										
6 GROUT PLUG MATERIAL: ☐ Neat cement ☒ Cement grout ☐ Bentonite ☐ Other: _____ Grout Plug Intervals: From <u>1</u> ft. To <u>36</u> ft. From _____ ft. To _____ ft. From _____ ft. To _____ ft. What is the nearest source of possible contamination: ☐ Septic tank ☐ Seepage pit ☐ Fuel storage ☐ Other (specify below): _____ ☐ Sewer lines ☐ Pit privy ☐ Fertilizer storage ☐ Watertight sewer lines ☐ Sewage lagoon ☐ Insecticide storage ☐ Lateral lines ☐ Feedyard ☐ Abandoned water well ☐ Direction from well: _____ ☐ Cess pool ☐ Livestock pens ☐ Oil well/Gas well ☐ How many feet: _____																																										
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 1/24/2020 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 527. This Water Well Record was completed on (mo/day/year) 5/22/2020 under the business name of GeoCore, LLC by (signature) [Signature].

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send one copy to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

WATER WELL PLUGGING RECORD Form WWC-5P

KSA 82a-1212 ID NO.

MW-119B

1 LOCATION OF WATER WELL: County: <u>Wyandotte</u>		Fraction <u>NE 1/4 SE 1/4 NW 1/4 NE 1/4</u>		Section Number <u>27</u>		Township Number <u>10 S</u>		Range Number <u>25</u> ☒ E ☐ W																																																							
Street/Rural Address of Well Location; if unknown, distance and direction from nearest town or intersection. If at owner's address, check here ☒				Global Positioning Systems (GPS) Information: Latitude: <u>39.154735</u> (in decimal degrees) Longitude: <u>-94.608460</u> (in decimal degrees) Elevation: _____ Datum: ☒ WGS84 ☐ NAD83 ☐ NAD27 Collection Method: ☐ GPS unit Make/Model: _____ ☒ Digital Map/Photo ☐ Topographic Map ☐ Land Survey Est. Accuracy: ☐ <3 m ☐ 3-5 m ☐ 5-15 m ☐ >15 m																																																											
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WATER WELL PLUGGING RECORD Form WWC-5P
KSA 82a-1212 ID NO. MW-160A

1 LOCATION OF WATER WELL: County: <u>Wyandotte</u>		Fraction <u>NW 1/4 SE 1/4 NE 1/4 NE 1/4</u>		Section Number <u>27</u>	Township Number <u>10 S</u>	Range Number <u>25</u> ☒ E ☐ W																																																						
Street/Rural Address of Well Location; if unknown, distance and direction from nearest town or intersection. If at owner's address, check here ☒				Global Positioning Systems (GPS) Information: Latitude: <u>39.155078</u> (in decimal degrees) Longitude: <u>-94.605061</u> (in decimal degrees) Elevation: _____ Datum: ☒ WGS84 ☐ NAD83 ☐ NAD27 Collection Method: ☐ GPS unit Make/Model: _____ ☒ Digital Map/Photo ☐ Topographic Map ☐ Land Survey Est. Accuracy: ☐ <3 m ☐ 3-5 m ☐ 5-15 m ☐ >15 m																																																								
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5 TYPE OF BLANK CASING USED: ☐ Steel ☒ PVC ☐ RMP (SR) ☐ ABS ☐ Wrought ☐ Asbestos/Cement ☐ Fiberglass ☐ Concrete Tile ☐ Other: _____ Blank casing diameter: <u>2</u> in. Was casing pulled? ☒ Yes ☐ No If Yes, how much <u>3'</u> Casing height above or below land surface: _____ in.																																																												
6 GROUT PLUG MATERIAL: ☐ Neat cement ☒ Cement grout ☐ Bentonite ☐ Other: _____ Grout Plug Intervals: From <u>1</u> ft. To <u>37</u> ft. From _____ ft. To _____ ft. From _____ ft. To _____ ft. What is the nearest source of possible contamination: ☐ Septic tank ☐ Sewer lines ☐ Watertight sewer lines ☐ Lateral lines ☐ Cess pool ☐ Seepage pit ☐ Pit privy ☐ Sewage lagoon ☐ Feedyard ☐ Livestock pens ☐ Fuel storage ☐ Fertilizer storage ☐ Insecticide storage ☐ Abandoned water well ☐ Oil well/Gas well ☐ Other (specify below): _____ Direction from well: _____ How many feet: _____																																																												
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">FROM</th> <th style="width:10%;">TO</th> <th style="width:40%;">PLUGGING MATERIAL</th> <th style="width:10%;">FROM</th> <th style="width:10%;">TO</th> <th style="width:20%;">PLUGGING MATERIAL</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1</td> <td>Native soil</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>37</td> <td>Cement grout</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>MW-160A</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>							FROM	TO	PLUGGING MATERIAL	FROM	TO	PLUGGING MATERIAL	0	1	Native soil				1	37	Cement grout									MW-160A																														
FROM	TO	PLUGGING MATERIAL	FROM	TO	PLUGGING MATERIAL																																																							
0	1	Native soil																																																										
1	37	Cement grout																																																										
					MW-160A																																																							
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) <u>1/24/2020</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>527</u> . This Water Well Record was completed on (mo/day/year) <u>5/22/2020</u> under the business name of <u>GeoCore, LLC</u> by (signature) <u>[Signature]</u> .																																																												
INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send one copy to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html .																																																												

Attachment D

Pages from Laboratory Analytical Report

February 07, 2020

Travis Kogl
GHD Services, Inc.
1502 SW 41st St.
Topeka, KS 66609

RE: Project: 012559A GM RACER FAIRFAX
Pace Project No.: 60327953

Dear Travis Kogl:

Enclosed are the analytical results for sample(s) received by the laboratory on January 31, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Angela Bown, GHD Services, Inc.
Nick Laskares, GHD Services, Inc.
Angela McManus, Pace Analytical



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 19-016-0

Arkansas Drinking Water

Illinois Certification #: 004455

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212018-8

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60327953001	WG-012820-NL-001	Water	01/28/20 13:40	01/31/20 17:06
60327953002	WG-012820-NL-002	Water	01/28/20 14:30	01/31/20 17:06
60327953003	WG-012820-NL-003	Water	01/28/20 15:50	01/31/20 17:06
60327953004	WG-012820-NL-004	Water	01/28/20 16:55	01/31/20 17:06
60327953005	WG-012920-NL-005	Water	01/29/20 11:10	01/31/20 17:06
60327953006	WG-012920-NL-006	Water	01/29/20 11:20	01/31/20 17:06
60327953007	WG-012920-NL-007	Water	01/29/20 12:45	01/31/20 17:06
60327953008	WG-012920-NL-008	Water	01/29/20 13:50	01/31/20 17:06
60327953009	WG-012920-NL-009	Water	01/29/20 16:40	01/31/20 17:06
60327953010	WG-012920-NL-016	Water	01/29/20 17:45	01/31/20 17:06
60327953011	WG-012920-NL-010	Water	01/29/20 18:45	01/31/20 17:06
60327953012	WG-013020-NL-011	Water	01/30/20 12:30	01/31/20 17:06
60327953013	WG-013020-NL-012	Water	01/30/20 13:40	01/31/20 17:06
60327953014	WG-013020-NL-013	Water	01/30/20 14:45	01/31/20 17:06
60327953015	WG-013020-NL-014	Water	01/30/20 16:00	01/31/20 17:06
60327953016	WG-013020-NL-015	Water	01/30/20 17:20	01/31/20 17:06

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SAMPLE ANALYTE COUNT

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60327953001	WG-012820-NL-001	EPA 5030B/8260	PGH	52	PASI-K
60327953002	WG-012820-NL-002	EPA 5030B/8260	PGH	52	PASI-K
60327953003	WG-012820-NL-003	EPA 5030B/8260	PGH	52	PASI-K
60327953004	WG-012820-NL-004	EPA 5030B/8260	PGH	52	PASI-K
60327953005	WG-012920-NL-005	EPA 5030B/8260	PGH	52	PASI-K
60327953006	WG-012920-NL-006	EPA 5030B/8260	PGH	52	PASI-K
60327953007	WG-012920-NL-007	EPA 5030B/8260	PGH	52	PASI-K
60327953008	WG-012920-NL-008	EPA 5030B/8260	PGH	52	PASI-K
60327953009	WG-012920-NL-009	EPA 5030B/8260	PGH	52	PASI-K
60327953010	WG-012920-NL-016	EPA 5030B/8260	PGH	52	PASI-K
60327953011	WG-012920-NL-010	EPA 5030B/8260	PGH	52	PASI-K
60327953012	WG-013020-NL-011	EPA 5030B/8260	PGH	52	PASI-K
60327953013	WG-013020-NL-012	EPA 5030B/8260	PGH	52	PASI-K
60327953014	WG-013020-NL-013	EPA 5030B/8260	PGH	52	PASI-K
60327953015	WG-013020-NL-014	EPA 5030B/8260	PGH	52	PASI-K
60327953016	WG-013020-NL-015	EPA 5030B/8260	PGH	52	PASI-K

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-005 **Lab ID: 60327953005** Collected: 01/29/20 11:10 Received: 01/31/20 17:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	3.3	1		02/04/20 13:44	67-64-1	
Benzene	ND	ug/L	1.0	0.079	1		02/04/20 13:44	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.17	1		02/04/20 13:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.21	1		02/04/20 13:44	75-25-2	
Bromomethane	ND	ug/L	5.0	0.32	1		02/04/20 13:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.70	1		02/04/20 13:44	78-93-3	
Carbon disulfide	ND	ug/L	5.0	0.16	1		02/04/20 13:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.084	1		02/04/20 13:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.13	1		02/04/20 13:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.42	1		02/04/20 13:44	75-00-3	
Chloroform	ND	ug/L	1.0	0.10	1		02/04/20 13:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.16	1		02/04/20 13:44	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.079	1		02/04/20 13:44	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.83	1		02/04/20 13:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.15	1		02/04/20 13:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.18	1		02/04/20 13:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.28	1		02/04/20 13:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.21	1		02/04/20 13:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.23	1		02/04/20 13:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.098	1		02/04/20 13:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.097	1		02/04/20 13:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.14	1		02/04/20 13:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		02/04/20 13:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 13:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 13:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.080	1		02/04/20 13:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.087	1		02/04/20 13:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.12	1		02/04/20 13:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		02/04/20 13:44	100-41-4	
2-Hexanone	ND	ug/L	10.0	1.0	1		02/04/20 13:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.20	1		02/04/20 13:44	98-82-8	
Methyl acetate	ND	ug/L	20.0	0.49	1		02/04/20 13:44	79-20-9	
Methylcyclohexane	ND	ug/L	1.0	0.10	1		02/04/20 13:44	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.27	1		02/04/20 13:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.56	1		02/04/20 13:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.16	1		02/04/20 13:44	1634-04-4	
Styrene	ND	ug/L	1.0	0.15	1		02/04/20 13:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		02/04/20 13:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.22	1		02/04/20 13:44	127-18-4	
Toluene	ND	ug/L	1.0	0.14	1		02/04/20 13:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.20	1		02/04/20 13:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.12	1		02/04/20 13:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.10	1		02/04/20 13:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 13:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.13	1		02/04/20 13:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.12	1		02/04/20 13:44	76-13-1	N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-005		Lab ID: 60327953005		Collected: 01/29/20 11:10		Received: 01/31/20 17:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 5030B/8260									
Vinyl chloride	ND	ug/L	1.0	0.11	1		02/04/20 13:44	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.34	1		02/04/20 13:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	80-120		1		02/04/20 13:44	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	77-122		1		02/04/20 13:44	17060-07-0	
Toluene-d8 (S)	100	%	80-120		1		02/04/20 13:44	2037-26-5	
Preservation pH	1.0		0.10	0.10	1		02/04/20 13:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: **WG-012920-NL-006** Lab ID: **60327953006** Collected: 01/29/20 11:20 Received: 01/31/20 17:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	10.0	3.3	1		02/04/20 13:58	67-64-1	
Benzene	ND	ug/L	1.0	0.079	1		02/04/20 13:58	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.17	1		02/04/20 13:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.21	1		02/04/20 13:58	75-25-2	
Bromomethane	ND	ug/L	5.0	0.32	1		02/04/20 13:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.70	1		02/04/20 13:58	78-93-3	
Carbon disulfide	ND	ug/L	5.0	0.16	1		02/04/20 13:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.084	1		02/04/20 13:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.13	1		02/04/20 13:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.42	1		02/04/20 13:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.10	1		02/04/20 13:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.16	1		02/04/20 13:58	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.079	1		02/04/20 13:58	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.83	1		02/04/20 13:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.15	1		02/04/20 13:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.18	1		02/04/20 13:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.28	1		02/04/20 13:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.21	1		02/04/20 13:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.23	1		02/04/20 13:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.098	1		02/04/20 13:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.097	1		02/04/20 13:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.14	1		02/04/20 13:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		02/04/20 13:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 13:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 13:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.080	1		02/04/20 13:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.087	1		02/04/20 13:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.12	1		02/04/20 13:58	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		02/04/20 13:58	100-41-4	
2-Hexanone	ND	ug/L	10.0	1.0	1		02/04/20 13:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.20	1		02/04/20 13:58	98-82-8	
Methyl acetate	ND	ug/L	20.0	0.49	1		02/04/20 13:58	79-20-9	
Methylcyclohexane	ND	ug/L	1.0	0.10	1		02/04/20 13:58	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.27	1		02/04/20 13:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.56	1		02/04/20 13:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.16	1		02/04/20 13:58	1634-04-4	
Styrene	ND	ug/L	1.0	0.15	1		02/04/20 13:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		02/04/20 13:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.22	1		02/04/20 13:58	127-18-4	
Toluene	ND	ug/L	1.0	0.14	1		02/04/20 13:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.20	1		02/04/20 13:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.12	1		02/04/20 13:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.10	1		02/04/20 13:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 13:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.13	1		02/04/20 13:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.12	1		02/04/20 13:58	76-13-1	N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-006		Lab ID: 60327953006		Collected: 01/29/20 11:20		Received: 01/31/20 17:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 5030B/8260									
Vinyl chloride	ND	ug/L	1.0	0.11	1		02/04/20 13:58	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.34	1		02/04/20 13:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	80-120		1		02/04/20 13:58	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	77-122		1		02/04/20 13:58	17060-07-0	
Toluene-d8 (S)	102	%	80-120		1		02/04/20 13:58	2037-26-5	
Preservation pH	1.0		0.10	0.10	1		02/04/20 13:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-007 **Lab ID: 60327953007** Collected: 01/29/20 12:45 Received: 01/31/20 17:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	10.0	3.3	1		02/04/20 14:12	67-64-1	
Benzene	ND	ug/L	1.0	0.079	1		02/04/20 14:12	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.17	1		02/04/20 14:12	75-27-4	
Bromoform	ND	ug/L	1.0	0.21	1		02/04/20 14:12	75-25-2	
Bromomethane	ND	ug/L	5.0	0.32	1		02/04/20 14:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.70	1		02/04/20 14:12	78-93-3	
Carbon disulfide	ND	ug/L	5.0	0.16	1		02/04/20 14:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.084	1		02/04/20 14:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.13	1		02/04/20 14:12	108-90-7	
Chloroethane	ND	ug/L	1.0	0.42	1		02/04/20 14:12	75-00-3	
Chloroform	ND	ug/L	1.0	0.10	1		02/04/20 14:12	67-66-3	
Chloromethane	ND	ug/L	1.0	0.16	1		02/04/20 14:12	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.079	1		02/04/20 14:12	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.83	1		02/04/20 14:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.15	1		02/04/20 14:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.18	1		02/04/20 14:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.28	1		02/04/20 14:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.21	1		02/04/20 14:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.23	1		02/04/20 14:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.098	1		02/04/20 14:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.097	1		02/04/20 14:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.14	1		02/04/20 14:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		02/04/20 14:12	75-35-4	
cis-1,2-Dichloroethene	7.0	ug/L	1.0	0.17	1		02/04/20 14:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 14:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.080	1		02/04/20 14:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.087	1		02/04/20 14:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.12	1		02/04/20 14:12	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		02/04/20 14:12	100-41-4	
2-Hexanone	ND	ug/L	10.0	1.0	1		02/04/20 14:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.20	1		02/04/20 14:12	98-82-8	
Methyl acetate	ND	ug/L	20.0	0.49	1		02/04/20 14:12	79-20-9	
Methylcyclohexane	ND	ug/L	1.0	0.10	1		02/04/20 14:12	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.27	1		02/04/20 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.56	1		02/04/20 14:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.16	1		02/04/20 14:12	1634-04-4	
Styrene	ND	ug/L	1.0	0.15	1		02/04/20 14:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		02/04/20 14:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.22	1		02/04/20 14:12	127-18-4	
Toluene	ND	ug/L	1.0	0.14	1		02/04/20 14:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.20	1		02/04/20 14:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.12	1		02/04/20 14:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.10	1		02/04/20 14:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 14:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.13	1		02/04/20 14:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.12	1		02/04/20 14:12	76-13-1	N2

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-007		Lab ID: 60327953007		Collected: 01/29/20 12:45		Received: 01/31/20 17:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 5030B/8260									
Vinyl chloride	2.5	ug/L	1.0	0.11	1		02/04/20 14:12	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.34	1		02/04/20 14:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	80-120		1		02/04/20 14:12	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	77-122		1		02/04/20 14:12	17060-07-0	
Toluene-d8 (S)	99	%	80-120		1		02/04/20 14:12	2037-26-5	
Preservation pH	1.0		0.10	0.10	1		02/04/20 14:12		

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-008 **Lab ID: 60327953008** Collected: 01/29/20 13:50 Received: 01/31/20 17:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Analytical Method: EPA 5030B/8260									
Acetone	ND	ug/L	10.0	3.3	1		02/05/20 10:34	67-64-1	
Benzene	ND	ug/L	1.0	0.079	1		02/05/20 10:34	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.17	1		02/05/20 10:34	75-27-4	
Bromoform	ND	ug/L	1.0	0.21	1		02/05/20 10:34	75-25-2	
Bromomethane	ND	ug/L	5.0	0.32	1		02/05/20 10:34	74-83-9	
2-Butanone (MEK)	3.7J	ug/L	10.0	0.70	1		02/05/20 10:34	78-93-3	
Carbon disulfide	ND	ug/L	5.0	0.16	1		02/05/20 10:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.084	1		02/05/20 10:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.13	1		02/05/20 10:34	108-90-7	
Chloroethane	ND	ug/L	1.0	0.42	1		02/05/20 10:34	75-00-3	
Chloroform	ND	ug/L	1.0	0.10	1		02/05/20 10:34	67-66-3	
Chloromethane	ND	ug/L	1.0	0.16	1		02/05/20 10:34	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.079	1		02/05/20 10:34	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.83	1		02/05/20 10:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.15	1		02/05/20 10:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.18	1		02/05/20 10:34	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.28	1		02/05/20 10:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.21	1		02/05/20 10:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.23	1		02/05/20 10:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.098	1		02/05/20 10:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.097	1		02/05/20 10:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.14	1		02/05/20 10:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		02/05/20 10:34	75-35-4	
cis-1,2-Dichloroethene	0.26J	ug/L	1.0	0.17	1		02/05/20 10:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/05/20 10:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.080	1		02/05/20 10:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.087	1		02/05/20 10:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.12	1		02/05/20 10:34	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		02/05/20 10:34	100-41-4	
2-Hexanone	ND	ug/L	10.0	1.0	1		02/05/20 10:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.20	1		02/05/20 10:34	98-82-8	
Methyl acetate	ND	ug/L	20.0	0.49	1		02/05/20 10:34	79-20-9	
Methylcyclohexane	ND	ug/L	1.0	0.10	1		02/05/20 10:34	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.27	1		02/05/20 10:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.56	1		02/05/20 10:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.16	1		02/05/20 10:34	1634-04-4	
Styrene	ND	ug/L	1.0	0.15	1		02/05/20 10:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		02/05/20 10:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.22	1		02/05/20 10:34	127-18-4	
Toluene	ND	ug/L	1.0	0.14	1		02/05/20 10:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.20	1		02/05/20 10:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.12	1		02/05/20 10:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.10	1		02/05/20 10:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		02/05/20 10:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.13	1		02/05/20 10:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.12	1		02/05/20 10:34	76-13-1	N2

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-008		Lab ID: 60327953008		Collected: 01/29/20 13:50		Received: 01/31/20 17:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 5030B/8260									
Vinyl chloride	ND	ug/L	1.0	0.11	1		02/05/20 10:34	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.34	1		02/05/20 10:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	80-120		1		02/05/20 10:34	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	77-122		1		02/05/20 10:34	17060-07-0	
Toluene-d8 (S)	105	%	80-120		1		02/05/20 10:34	2037-26-5	
Preservation pH	1.0		0.10	0.10	1		02/05/20 10:34		

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-009 **Lab ID: 60327953009** Collected: 01/29/20 16:40 Received: 01/31/20 17:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	3.3	1		02/04/20 14:27	67-64-1	
Benzene	ND	ug/L	1.0	0.079	1		02/04/20 14:27	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.17	1		02/04/20 14:27	75-27-4	
Bromoform	ND	ug/L	1.0	0.21	1		02/04/20 14:27	75-25-2	
Bromomethane	ND	ug/L	5.0	0.32	1		02/04/20 14:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.70	1		02/04/20 14:27	78-93-3	
Carbon disulfide	ND	ug/L	5.0	0.16	1		02/04/20 14:27	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.084	1		02/04/20 14:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.13	1		02/04/20 14:27	108-90-7	
Chloroethane	ND	ug/L	1.0	0.42	1		02/04/20 14:27	75-00-3	
Chloroform	ND	ug/L	1.0	0.10	1		02/04/20 14:27	67-66-3	
Chloromethane	ND	ug/L	1.0	0.16	1		02/04/20 14:27	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.079	1		02/04/20 14:27	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.83	1		02/04/20 14:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.15	1		02/04/20 14:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.18	1		02/04/20 14:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.28	1		02/04/20 14:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.21	1		02/04/20 14:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.23	1		02/04/20 14:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.098	1		02/04/20 14:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.097	1		02/04/20 14:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.14	1		02/04/20 14:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		02/04/20 14:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 14:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 14:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.080	1		02/04/20 14:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.087	1		02/04/20 14:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.12	1		02/04/20 14:27	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		02/04/20 14:27	100-41-4	
2-Hexanone	ND	ug/L	10.0	1.0	1		02/04/20 14:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.20	1		02/04/20 14:27	98-82-8	
Methyl acetate	ND	ug/L	20.0	0.49	1		02/04/20 14:27	79-20-9	
Methylcyclohexane	ND	ug/L	1.0	0.10	1		02/04/20 14:27	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.27	1		02/04/20 14:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.56	1		02/04/20 14:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.16	1		02/04/20 14:27	1634-04-4	
Styrene	ND	ug/L	1.0	0.15	1		02/04/20 14:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		02/04/20 14:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.22	1		02/04/20 14:27	127-18-4	
Toluene	ND	ug/L	1.0	0.14	1		02/04/20 14:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.20	1		02/04/20 14:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.12	1		02/04/20 14:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.10	1		02/04/20 14:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 14:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.13	1		02/04/20 14:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.12	1		02/04/20 14:27	76-13-1	N2

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-009		Lab ID: 60327953009		Collected: 01/29/20 16:40		Received: 01/31/20 17:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 5030B/8260									
Vinyl chloride	ND	ug/L	1.0	0.11	1		02/04/20 14:27	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.34	1		02/04/20 14:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-120		1		02/04/20 14:27	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	77-122		1		02/04/20 14:27	17060-07-0	
Toluene-d8 (S)	102	%	80-120		1		02/04/20 14:27	2037-26-5	
Preservation pH	1.0		0.10	0.10	1		02/04/20 14:27		

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: **WG-012920-NL-016** Lab ID: **60327953010** Collected: 01/29/20 17:45 Received: 01/31/20 17:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	10.0	3.3	1		02/04/20 14:41	67-64-1	
Benzene	ND	ug/L	1.0	0.079	1		02/04/20 14:41	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.17	1		02/04/20 14:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.21	1		02/04/20 14:41	75-25-2	
Bromomethane	ND	ug/L	5.0	0.32	1		02/04/20 14:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.70	1		02/04/20 14:41	78-93-3	
Carbon disulfide	ND	ug/L	5.0	0.16	1		02/04/20 14:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.084	1		02/04/20 14:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.13	1		02/04/20 14:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.42	1		02/04/20 14:41	75-00-3	
Chloroform	0.24J	ug/L	1.0	0.10	1		02/04/20 14:41	67-66-3	
Chloromethane	ND	ug/L	1.0	0.16	1		02/04/20 14:41	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.079	1		02/04/20 14:41	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.83	1		02/04/20 14:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.15	1		02/04/20 14:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.18	1		02/04/20 14:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.28	1		02/04/20 14:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.21	1		02/04/20 14:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.23	1		02/04/20 14:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.098	1		02/04/20 14:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.097	1		02/04/20 14:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.14	1		02/04/20 14:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		02/04/20 14:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 14:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 14:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.080	1		02/04/20 14:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.087	1		02/04/20 14:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.12	1		02/04/20 14:41	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		02/04/20 14:41	100-41-4	
2-Hexanone	ND	ug/L	10.0	1.0	1		02/04/20 14:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.20	1		02/04/20 14:41	98-82-8	
Methyl acetate	ND	ug/L	20.0	0.49	1		02/04/20 14:41	79-20-9	
Methylcyclohexane	ND	ug/L	1.0	0.10	1		02/04/20 14:41	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.27	1		02/04/20 14:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.56	1		02/04/20 14:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.16	1		02/04/20 14:41	1634-04-4	
Styrene	ND	ug/L	1.0	0.15	1		02/04/20 14:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		02/04/20 14:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.22	1		02/04/20 14:41	127-18-4	
Toluene	ND	ug/L	1.0	0.14	1		02/04/20 14:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.20	1		02/04/20 14:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.12	1		02/04/20 14:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.10	1		02/04/20 14:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 14:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.13	1		02/04/20 14:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.12	1		02/04/20 14:41	76-13-1	N2

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-016		Lab ID: 60327953010		Collected: 01/29/20 17:45		Received: 01/31/20 17:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 5030B/8260									
Vinyl chloride	ND	ug/L	1.0	0.11	1		02/04/20 14:41	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.34	1		02/04/20 14:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	80-120		1		02/04/20 14:41	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	77-122		1		02/04/20 14:41	17060-07-0	
Toluene-d8 (S)	102	%	80-120		1		02/04/20 14:41	2037-26-5	
Preservation pH	1.0		0.10	0.10	1		02/04/20 14:41		

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-010 **Lab ID: 60327953011** Collected: 01/29/20 18:45 Received: 01/31/20 17:06 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	ND	ug/L	10.0	3.3	1		02/04/20 14:55	67-64-1	
Benzene	ND	ug/L	1.0	0.079	1		02/04/20 14:55	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.17	1		02/04/20 14:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.21	1		02/04/20 14:55	75-25-2	
Bromomethane	ND	ug/L	5.0	0.32	1		02/04/20 14:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.70	1		02/04/20 14:55	78-93-3	
Carbon disulfide	ND	ug/L	5.0	0.16	1		02/04/20 14:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.084	1		02/04/20 14:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.13	1		02/04/20 14:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.42	1		02/04/20 14:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.10	1		02/04/20 14:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.16	1		02/04/20 14:55	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.079	1		02/04/20 14:55	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.83	1		02/04/20 14:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.15	1		02/04/20 14:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.18	1		02/04/20 14:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.28	1		02/04/20 14:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.21	1		02/04/20 14:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.23	1		02/04/20 14:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.098	1		02/04/20 14:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.097	1		02/04/20 14:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.14	1		02/04/20 14:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		02/04/20 14:55	75-35-4	
cis-1,2-Dichloroethene	2.8	ug/L	1.0	0.17	1		02/04/20 14:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 14:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.080	1		02/04/20 14:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.087	1		02/04/20 14:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.12	1		02/04/20 14:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		02/04/20 14:55	100-41-4	
2-Hexanone	ND	ug/L	10.0	1.0	1		02/04/20 14:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.20	1		02/04/20 14:55	98-82-8	
Methyl acetate	ND	ug/L	20.0	0.49	1		02/04/20 14:55	79-20-9	
Methylcyclohexane	ND	ug/L	1.0	0.10	1		02/04/20 14:55	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.27	1		02/04/20 14:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.56	1		02/04/20 14:55	108-10-1	
Methyl-tert-butyl ether	0.16J	ug/L	1.0	0.16	1		02/04/20 14:55	1634-04-4	
Styrene	ND	ug/L	1.0	0.15	1		02/04/20 14:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		02/04/20 14:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.22	1		02/04/20 14:55	127-18-4	
Toluene	ND	ug/L	1.0	0.14	1		02/04/20 14:55	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.20	1		02/04/20 14:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.12	1		02/04/20 14:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.10	1		02/04/20 14:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		02/04/20 14:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.13	1		02/04/20 14:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.12	1		02/04/20 14:55	76-13-1	N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Sample: WG-012920-NL-010		Lab ID: 60327953011		Collected: 01/29/20 18:45		Received: 01/31/20 17:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 5030B/8260									
Vinyl chloride	0.22J	ug/L	1.0	0.11	1		02/04/20 14:55	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.34	1		02/04/20 14:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-120		1		02/04/20 14:55	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	77-122		1		02/04/20 14:55	17060-07-0	
Toluene-d8 (S)	103	%	80-120		1		02/04/20 14:55	2037-26-5	
Preservation pH	1.0		0.10	0.10	1		02/04/20 14:55		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

QC Batch:	636432	Analysis Method:	EPA 5030B/8260
QC Batch Method:	EPA 5030B/8260	Analysis Description:	8260 MSV Water 10 mL Purge
Associated Lab Samples:	60327953001, 60327953002, 60327953003, 60327953004, 60327953005, 60327953006, 60327953007, 60327953009, 60327953010, 60327953011		

METHOD BLANK:	2589290	Matrix:	Water
Associated Lab Samples:	60327953001, 60327953002, 60327953003, 60327953004, 60327953005, 60327953006, 60327953007, 60327953009, 60327953010, 60327953011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.12	02/04/20 10:26	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.31	02/04/20 10:26	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.10	02/04/20 10:26	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.12	02/04/20 10:26	N2
1,1-Dichloroethane	ug/L	ND	1.0	0.097	02/04/20 10:26	
1,1-Dichloroethene	ug/L	ND	1.0	0.22	02/04/20 10:26	
1,2,4-Trichlorobenzene	ug/L	0.23J	1.0	0.20	02/04/20 10:26	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	0.83	02/04/20 10:26	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.18	02/04/20 10:26	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.28	02/04/20 10:26	
1,2-Dichloroethane	ug/L	ND	1.0	0.14	02/04/20 10:26	
1,2-Dichloropropane	ug/L	ND	1.0	0.080	02/04/20 10:26	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.21	02/04/20 10:26	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.23	02/04/20 10:26	
2-Butanone (MEK)	ug/L	ND	10.0	0.70	02/04/20 10:26	
2-Hexanone	ug/L	ND	10.0	1.0	02/04/20 10:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.56	02/04/20 10:26	
Acetone	ug/L	ND	10.0	3.3	02/04/20 10:26	
Benzene	ug/L	ND	1.0	0.079	02/04/20 10:26	
Bromodichloromethane	ug/L	ND	1.0	0.17	02/04/20 10:26	
Bromoform	ug/L	ND	1.0	0.21	02/04/20 10:26	
Bromomethane	ug/L	0.37J	5.0	0.32	02/04/20 10:26	
Carbon disulfide	ug/L	ND	5.0	0.16	02/04/20 10:26	
Carbon tetrachloride	ug/L	ND	1.0	0.084	02/04/20 10:26	
Chlorobenzene	ug/L	ND	1.0	0.13	02/04/20 10:26	
Chloroethane	ug/L	ND	1.0	0.42	02/04/20 10:26	
Chloroform	ug/L	ND	1.0	0.10	02/04/20 10:26	
Chloromethane	ug/L	ND	1.0	0.16	02/04/20 10:26	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.17	02/04/20 10:26	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.087	02/04/20 10:26	
Cyclohexane	ug/L	ND	1.0	0.079	02/04/20 10:26	
Dibromochloromethane	ug/L	ND	1.0	0.15	02/04/20 10:26	
Dichlorodifluoromethane	ug/L	ND	1.0	0.098	02/04/20 10:26	
Ethylbenzene	ug/L	ND	1.0	0.12	02/04/20 10:26	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.20	02/04/20 10:26	
Methyl acetate	ug/L	ND	20.0	0.49	02/04/20 10:26	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.16	02/04/20 10:26	
Methylcyclohexane	ug/L	ND	1.0	0.10	02/04/20 10:26	
Methylene Chloride	ug/L	ND	1.0	0.27	02/04/20 10:26	
Styrene	ug/L	ND	1.0	0.15	02/04/20 10:26	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

METHOD BLANK: 2589290

Matrix: Water

Associated Lab Samples: 60327953001, 60327953002, 60327953003, 60327953004, 60327953005, 60327953006, 60327953007, 60327953009, 60327953010, 60327953011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	0.22	02/04/20 10:26	
Toluene	ug/L	ND	1.0	0.14	02/04/20 10:26	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.17	02/04/20 10:26	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.12	02/04/20 10:26	
Trichloroethene	ug/L	ND	1.0	0.17	02/04/20 10:26	
Trichlorofluoromethane	ug/L	ND	1.0	0.13	02/04/20 10:26	
Vinyl chloride	ug/L	ND	1.0	0.11	02/04/20 10:26	
Xylene (Total)	ug/L	ND	3.0	0.34	02/04/20 10:26	
1,2-Dichloroethane-d4 (S)	%	101	77-122		02/04/20 10:26	
4-Bromofluorobenzene (S)	%	100	80-120		02/04/20 10:26	
Toluene-d8 (S)	%	100	80-120		02/04/20 10:26	

LABORATORY CONTROL SAMPLE: 2589291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.7	103	79-120	
1,1,2,2-Tetrachloroethane	ug/L	20	20.7	104	71-122	
1,1,2-Trichloroethane	ug/L	20	19.0	95	76-123	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.1	95	69-132	N2
1,1-Dichloroethane	ug/L	20	20.5	103	78-117	
1,1-Dichloroethene	ug/L	20	20.2	101	74-122	
1,2,4-Trichlorobenzene	ug/L	20	19.6	98	76-122	
1,2-Dibromo-3-chloropropane	ug/L	20	19.7	98	65-133	
1,2-Dibromoethane (EDB)	ug/L	20	20.6	103	80-118	
1,2-Dichlorobenzene	ug/L	20	20.3	102	84-118	
1,2-Dichloroethane	ug/L	20	20.3	101	73-120	
1,2-Dichloropropane	ug/L	20	21.3	107	78-115	
1,3-Dichlorobenzene	ug/L	20	19.9	99	84-116	
1,4-Dichlorobenzene	ug/L	20	20.1	101	83-115	
2-Butanone (MEK)	ug/L	100	100	100	54-133	
2-Hexanone	ug/L	100	111	111	60-133	
4-Methyl-2-pentanone (MIBK)	ug/L	100	108	108	62-130	
Acetone	ug/L	100	94.2	94	54-130	
Benzene	ug/L	20	20.1	100	80-120	
Bromodichloromethane	ug/L	20	18.1	91	78-121	
Bromoform	ug/L	20	22.3	111	62-137	
Bromomethane	ug/L	20	21.3	107	41-145	
Carbon disulfide	ug/L	20	19.7	98	64-119	
Carbon tetrachloride	ug/L	20	20.4	102	77-122	
Chlorobenzene	ug/L	20	20.5	102	80-123	
Chloroethane	ug/L	20	22.3	111	60-146	
Chloroform	ug/L	20	20.3	101	81-116	
Chloromethane	ug/L	20	20.0	100	29-154	

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QUALITY CONTROL DATA

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

LABORATORY CONTROL SAMPLE: 2589291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	20	19.9	100	80-120	
cis-1,3-Dichloropropene	ug/L	20	21.5	108	78-118	
Cyclohexane	ug/L	20	20.1	101	78-129	
Dibromochloromethane	ug/L	20	19.2	96	73-128	
Dichlorodifluoromethane	ug/L	20	19.7	98	13-185	
Ethylbenzene	ug/L	20	19.3	97	80-120	
Isopropylbenzene (Cumene)	ug/L	20	20.9	105	81-115	
Methyl acetate	ug/L	20	18.7J	93	71-129	
Methyl-tert-butyl ether	ug/L	20	22.5	112	67-125	
Methylcyclohexane	ug/L	20	21.1	106	83-127	
Methylene Chloride	ug/L	20	20.1	100	80-126	
Styrene	ug/L	20	20.3	102	85-120	
Tetrachloroethene	ug/L	20	20.1	100	77-121	
Toluene	ug/L	20	20.7	104	80-120	
trans-1,2-Dichloroethene	ug/L	20	20.3	102	80-120	
trans-1,3-Dichloropropene	ug/L	20	19.0	95	76-123	
Trichloroethene	ug/L	20	21.2	106	80-121	
Trichlorofluoromethane	ug/L	20	21.3	106	64-124	
Vinyl chloride	ug/L	20	21.3	107	46-162	
Xylene (Total)	ug/L	60	61.0	102	80-120	
1,2-Dichloroethane-d4 (S)	%			102	77-122	
4-Bromofluorobenzene (S)	%			101	80-120	
Toluene-d8 (S)	%			102	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

QC Batch: 636493 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60327953012, 60327953013, 60327953014, 60327953015, 60327953016

METHOD BLANK: 2589533 Matrix: Water
Associated Lab Samples: 60327953012, 60327953013, 60327953014, 60327953015, 60327953016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.12	02/04/20 16:05	N2
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.31	02/04/20 16:05	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.10	02/04/20 16:05	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.12	02/04/20 16:05	
1,1-Dichloroethane	ug/L	ND	1.0	0.097	02/04/20 16:05	
1,1-Dichloroethene	ug/L	ND	1.0	0.22	02/04/20 16:05	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.20	02/04/20 16:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	0.83	02/04/20 16:05	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.18	02/04/20 16:05	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.28	02/04/20 16:05	
1,2-Dichloroethane	ug/L	ND	1.0	0.14	02/04/20 16:05	
1,2-Dichloropropane	ug/L	ND	1.0	0.080	02/04/20 16:05	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.21	02/04/20 16:05	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.23	02/04/20 16:05	
2-Butanone (MEK)	ug/L	ND	10.0	0.70	02/04/20 16:05	
2-Hexanone	ug/L	ND	10.0	1.0	02/04/20 16:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.56	02/04/20 16:05	
Acetone	ug/L	ND	10.0	3.3	02/04/20 16:05	
Benzene	ug/L	ND	1.0	0.079	02/04/20 16:05	
Bromodichloromethane	ug/L	ND	1.0	0.17	02/04/20 16:05	
Bromoform	ug/L	ND	1.0	0.21	02/04/20 16:05	
Bromomethane	ug/L	ND	5.0	0.32	02/04/20 16:05	
Carbon disulfide	ug/L	ND	5.0	0.16	02/04/20 16:05	
Carbon tetrachloride	ug/L	ND	1.0	0.084	02/04/20 16:05	
Chlorobenzene	ug/L	ND	1.0	0.13	02/04/20 16:05	
Chloroethane	ug/L	ND	1.0	0.42	02/04/20 16:05	
Chloroform	ug/L	ND	1.0	0.10	02/04/20 16:05	
Chloromethane	ug/L	ND	1.0	0.16	02/04/20 16:05	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.17	02/04/20 16:05	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.087	02/04/20 16:05	
Cyclohexane	ug/L	ND	1.0	0.079	02/04/20 16:05	
Dibromochloromethane	ug/L	ND	1.0	0.15	02/04/20 16:05	
Dichlorodifluoromethane	ug/L	ND	1.0	0.098	02/04/20 16:05	
Ethylbenzene	ug/L	ND	1.0	0.12	02/04/20 16:05	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.20	02/04/20 16:05	
Methyl acetate	ug/L	ND	20.0	0.49	02/04/20 16:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.16	02/04/20 16:05	
Methylcyclohexane	ug/L	ND	1.0	0.10	02/04/20 16:05	
Methylene Chloride	ug/L	ND	1.0	0.27	02/04/20 16:05	
Styrene	ug/L	ND	1.0	0.15	02/04/20 16:05	
Tetrachloroethene	ug/L	ND	1.0	0.22	02/04/20 16:05	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

METHOD BLANK: 2589533

Matrix: Water

Associated Lab Samples: 60327953012, 60327953013, 60327953014, 60327953015, 60327953016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	ND	1.0	0.14	02/04/20 16:05	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.17	02/04/20 16:05	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.12	02/04/20 16:05	
Trichloroethene	ug/L	ND	1.0	0.17	02/04/20 16:05	
Trichlorofluoromethane	ug/L	ND	1.0	0.13	02/04/20 16:05	
Vinyl chloride	ug/L	ND	1.0	0.11	02/04/20 16:05	
Xylene (Total)	ug/L	ND	3.0	0.34	02/04/20 16:05	
1,2-Dichloroethane-d4 (S)	%	100	77-122		02/04/20 16:05	
4-Bromofluorobenzene (S)	%	102	80-120		02/04/20 16:05	
Toluene-d8 (S)	%	102	80-120		02/04/20 16:05	

LABORATORY CONTROL SAMPLE: 2589534

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.6	98	79-120	
1,1,2,2-Tetrachloroethane	ug/L	20	20.0	100	71-122	
1,1,2-Trichloroethane	ug/L	20	19.3	97	76-123	
1,1,2-Trichlorotrifluoroethane	ug/L	20	18.9	94	69-132	N2
1,1-Dichloroethane	ug/L	20	19.9	99	78-117	
1,1-Dichloroethene	ug/L	20	18.8	94	74-122	
1,2,4-Trichlorobenzene	ug/L	20	18.1	91	76-122	
1,2-Dibromo-3-chloropropane	ug/L	20	18.5	93	65-133	
1,2-Dibromoethane (EDB)	ug/L	20	20.2	101	80-118	
1,2-Dichlorobenzene	ug/L	20	19.5	98	84-118	
1,2-Dichloroethane	ug/L	20	19.5	97	73-120	
1,2-Dichloropropane	ug/L	20	20.0	100	78-115	
1,3-Dichlorobenzene	ug/L	20	19.5	98	84-116	
1,4-Dichlorobenzene	ug/L	20	19.6	98	83-115	
2-Butanone (MEK)	ug/L	100	106	106	54-133	
2-Hexanone	ug/L	100	108	108	60-133	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	62-130	
Acetone	ug/L	100	98.3	98	54-130	
Benzene	ug/L	20	19.5	98	80-120	
Bromodichloromethane	ug/L	20	18.2	91	78-121	
Bromoform	ug/L	20	19.0	95	62-137	
Bromomethane	ug/L	20	17.5	88	41-145	
Carbon disulfide	ug/L	20	18.9	95	64-119	
Carbon tetrachloride	ug/L	20	19.5	98	77-122	
Chlorobenzene	ug/L	20	20.1	100	80-123	
Chloroethane	ug/L	20	21.9	109	60-146	
Chloroform	ug/L	20	19.8	99	81-116	
Chloromethane	ug/L	20	20.3	101	29-154	
cis-1,2-Dichloroethene	ug/L	20	19.5	98	80-120	
cis-1,3-Dichloropropene	ug/L	20	21.1	105	78-118	

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QUALITY CONTROL DATA

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

LABORATORY CONTROL SAMPLE: 2589534

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	20	19.9	99	78-129	
Dibromochloromethane	ug/L	20	18.3	91	73-128	
Dichlorodifluoromethane	ug/L	20	19.4	97	13-185	
Ethylbenzene	ug/L	20	19.2	96	80-120	
Isopropylbenzene (Cumene)	ug/L	20	20.7	103	81-115	
Methyl acetate	ug/L	20	18.6J	93	71-129	
Methyl-tert-butyl ether	ug/L	20	21.1	106	67-125	
Methylcyclohexane	ug/L	20	20.2	101	83-127	
Methylene Chloride	ug/L	20	18.8	94	80-126	
Styrene	ug/L	20	20.4	102	85-120	
Tetrachloroethene	ug/L	20	19.6	98	77-121	
Toluene	ug/L	20	19.4	97	80-120	
trans-1,2-Dichloroethene	ug/L	20	19.5	98	80-120	
trans-1,3-Dichloropropene	ug/L	20	19.1	96	76-123	
Trichloroethene	ug/L	20	20.1	100	80-121	
Trichlorofluoromethane	ug/L	20	21.3	106	64-124	
Vinyl chloride	ug/L	20	21.4	107	46-162	
Xylene (Total)	ug/L	60	60.6	101	80-120	
1,2-Dichloroethane-d4 (S)	%			104	77-122	
4-Bromofluorobenzene (S)	%			97	80-120	
Toluene-d8 (S)	%			101	80-120	

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QUALITY CONTROL DATA

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

QC Batch:	636651	Analysis Method:	EPA 5030B/8260
QC Batch Method:	EPA 5030B/8260	Analysis Description:	8260 MSV Water 10 mL Purge
Associated Lab Samples:	60327953001, 60327953008		

METHOD BLANK: 2590014 Matrix: Water

Associated Lab Samples: 60327953001, 60327953008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.12	02/05/20 08:26	N2
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.31	02/05/20 08:26	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.10	02/05/20 08:26	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.12	02/05/20 08:26	
1,1-Dichloroethane	ug/L	ND	1.0	0.097	02/05/20 08:26	
1,1-Dichloroethene	ug/L	ND	1.0	0.22	02/05/20 08:26	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.20	02/05/20 08:26	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	0.83	02/05/20 08:26	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.18	02/05/20 08:26	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.28	02/05/20 08:26	
1,2-Dichloroethane	ug/L	ND	1.0	0.14	02/05/20 08:26	
1,2-Dichloropropane	ug/L	ND	1.0	0.080	02/05/20 08:26	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.21	02/05/20 08:26	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.23	02/05/20 08:26	
2-Butanone (MEK)	ug/L	ND	10.0	0.70	02/05/20 08:26	
2-Hexanone	ug/L	ND	10.0	1.0	02/05/20 08:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.56	02/05/20 08:26	
Acetone	ug/L	ND	10.0	3.3	02/05/20 08:26	
Benzene	ug/L	ND	1.0	0.079	02/05/20 08:26	
Bromodichloromethane	ug/L	ND	1.0	0.17	02/05/20 08:26	
Bromoform	ug/L	ND	1.0	0.21	02/05/20 08:26	
Bromomethane	ug/L	ND	5.0	0.32	02/05/20 08:26	
Carbon disulfide	ug/L	ND	5.0	0.16	02/05/20 08:26	
Carbon tetrachloride	ug/L	ND	1.0	0.084	02/05/20 08:26	
Chlorobenzene	ug/L	ND	1.0	0.13	02/05/20 08:26	
Chloroethane	ug/L	ND	1.0	0.42	02/05/20 08:26	
Chloroform	ug/L	ND	1.0	0.10	02/05/20 08:26	
Chloromethane	ug/L	ND	1.0	0.16	02/05/20 08:26	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.17	02/05/20 08:26	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.087	02/05/20 08:26	
Cyclohexane	ug/L	ND	1.0	0.079	02/05/20 08:26	
Dibromochloromethane	ug/L	ND	1.0	0.15	02/05/20 08:26	
Dichlorodifluoromethane	ug/L	ND	1.0	0.098	02/05/20 08:26	
Ethylbenzene	ug/L	ND	1.0	0.12	02/05/20 08:26	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.20	02/05/20 08:26	
Methyl acetate	ug/L	ND	20.0	0.49	02/05/20 08:26	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.16	02/05/20 08:26	
Methylcyclohexane	ug/L	ND	1.0	0.10	02/05/20 08:26	
Methylene Chloride	ug/L	ND	1.0	0.27	02/05/20 08:26	
Styrene	ug/L	ND	1.0	0.15	02/05/20 08:26	
Tetrachloroethene	ug/L	ND	1.0	0.22	02/05/20 08:26	

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QUALITY CONTROL DATA

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

METHOD BLANK: 2590014

Matrix: Water

Associated Lab Samples: 60327953001, 60327953008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	ND	1.0	0.14	02/05/20 08:26	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.17	02/05/20 08:26	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.12	02/05/20 08:26	
Trichloroethene	ug/L	ND	1.0	0.17	02/05/20 08:26	
Trichlorofluoromethane	ug/L	ND	1.0	0.13	02/05/20 08:26	
Vinyl chloride	ug/L	ND	1.0	0.11	02/05/20 08:26	
Xylene (Total)	ug/L	ND	3.0	0.34	02/05/20 08:26	
1,2-Dichloroethane-d4 (S)	%	99	77-122		02/05/20 08:26	
4-Bromofluorobenzene (S)	%	99	80-120		02/05/20 08:26	
Toluene-d8 (S)	%	100	80-120		02/05/20 08:26	

LABORATORY CONTROL SAMPLE: 2590015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	99	79-120	
1,1,2,2-Tetrachloroethane	ug/L	20	19.4	97	71-122	
1,1,2-Trichloroethane	ug/L	20	19.0	95	76-123	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.7	99	69-132	N2
1,1-Dichloroethane	ug/L	20	20.7	103	78-117	
1,1-Dichloroethene	ug/L	20	19.9	100	74-122	
1,2,4-Trichlorobenzene	ug/L	20	19.2	96	76-122	
1,2-Dibromo-3-chloropropane	ug/L	20	16.0	80	65-133	
1,2-Dibromoethane (EDB)	ug/L	20	19.6	98	80-118	
1,2-Dichlorobenzene	ug/L	20	19.4	97	84-118	
1,2-Dichloroethane	ug/L	20	19.7	98	73-120	
1,2-Dichloropropane	ug/L	20	21.1	105	78-115	
1,3-Dichlorobenzene	ug/L	20	20.1	101	84-116	
1,4-Dichlorobenzene	ug/L	20	19.9	99	83-115	
2-Butanone (MEK)	ug/L	100	105	105	54-133	
2-Hexanone	ug/L	100	101	101	60-133	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.4	98	62-130	
Acetone	ug/L	100	103	103	54-130	
Benzene	ug/L	20	20.1	101	80-120	
Bromodichloromethane	ug/L	20	17.9	90	78-121	
Bromoform	ug/L	20	18.8	94	62-137	
Bromomethane	ug/L	20	19.4	97	41-145	
Carbon disulfide	ug/L	20	19.4	97	64-119	
Carbon tetrachloride	ug/L	20	19.5	97	77-122	
Chlorobenzene	ug/L	20	20.5	103	80-123	
Chloroethane	ug/L	20	21.1	105	60-146	
Chloroform	ug/L	20	20.0	100	81-116	
Chloromethane	ug/L	20	20.8	104	29-154	
cis-1,2-Dichloroethene	ug/L	20	20.1	101	80-120	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	78-118	

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QUALITY CONTROL DATA

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

LABORATORY CONTROL SAMPLE: 2590015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	20	20.2	101	78-129	
Dibromochloromethane	ug/L	20	17.3	86	73-128	
Dichlorodifluoromethane	ug/L	20	18.2	91	13-185	
Ethylbenzene	ug/L	20	19.0	95	80-120	
Isopropylbenzene (Cumene)	ug/L	20	20.4	102	81-115	
Methyl acetate	ug/L	20	18J	90	71-129	
Methyl-tert-butyl ether	ug/L	20	20.1	100	67-125	
Methylcyclohexane	ug/L	20	20.9	104	83-127	
Methylene Chloride	ug/L	20	18.9	95	80-126	
Styrene	ug/L	20	20.6	103	85-120	
Tetrachloroethene	ug/L	20	19.8	99	77-121	
Toluene	ug/L	20	19.6	98	80-120	
trans-1,2-Dichloroethene	ug/L	20	20.1	101	80-120	
trans-1,3-Dichloropropene	ug/L	20	17.1	85	76-123	
Trichloroethene	ug/L	20	21.3	107	80-121	
Trichlorofluoromethane	ug/L	20	22.0	110	64-124	
Vinyl chloride	ug/L	20	21.5	108	46-162	
Xylene (Total)	ug/L	60	59.5	99	80-120	
1,2-Dichloroethane-d4 (S)	%			100	77-122	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			100	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-K Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: 636432

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 636493

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 636651

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 012559A GM RACER FAIRFAX

Pace Project No.: 60327953

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60327953001	WG-012820-NL-001	EPA 5030B/8260	636432		
60327953001	WG-012820-NL-001	EPA 5030B/8260	636651		
60327953002	WG-012820-NL-002	EPA 5030B/8260	636432		
60327953003	WG-012820-NL-003	EPA 5030B/8260	636432		
60327953004	WG-012820-NL-004	EPA 5030B/8260	636432		
60327953005	WG-012920-NL-005	EPA 5030B/8260	636432		
60327953006	WG-012920-NL-006	EPA 5030B/8260	636432		
60327953007	WG-012920-NL-007	EPA 5030B/8260	636432		
60327953008	WG-012920-NL-008	EPA 5030B/8260	636651		
60327953009	WG-012920-NL-009	EPA 5030B/8260	636432		
60327953010	WG-012920-NL-016	EPA 5030B/8260	636432		
60327953011	WG-012920-NL-010	EPA 5030B/8260	636432		
60327953012	WG-013020-NL-011	EPA 5030B/8260	636493		
60327953013	WG-013020-NL-012	EPA 5030B/8260	636493		
60327953014	WG-013020-NL-013	EPA 5030B/8260	636493		
60327953015	WG-013020-NL-014	EPA 5030B/8260	636493		
60327953016	WG-013020-NL-015	EPA 5030B/8260	636493		

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Sample Condition Upon Receipt

WO# : 60327953Client Name: GHICourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☒ Xroads ☐ Client ☐ Other ☐

Tracking #: _____

Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐Thermometer Used: T-296 Type of Ice: Wet ☒ Blue ☐ None ☐Cooler Temperature (°C): As-read 2.5 Corr. Factor 0.1 Corrected 2.6Date and initials of person
examining contents: 1/31/26

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☒ Yes ☐ No ☐ N/A	
Rush Turn Around Time requested:	☒ Yes ☐ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>LN</u>	☒ Yes ☐ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☐ Yes ☐ No ☒ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☒ No ☐ N/A	
Samples from USDA Regulated Area: State: _____	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y ☒ N ☐Field Data Required? Y ☐ N ☒

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

Page 49 of 50

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GHD	Report To:	TRAVIS KOEL / N. BASKARD	Client:	
Address:		Copy To:	Amyla Brown	Company Name:	
				Address:	
Email To:	NICK.BASKARD@ghd.ca	Purchase Order No.:			
Phone:		Project Name:	0125594 GM (Rear)	Pace Quote Reference:	
Fax:				Pace Project Manager:	Nolie Wond
Requested Due Date/TAT:	STANDARD	Project Number:		File #:	137163, line 2

[illegible][illegible]

February 13, 2020

Travis Kogl
GHD Services, Inc.
1502 SW 41st St.
Topeka, KS 66609

RE: Project: 012559A GM RACER
Pace Project No.: 60328136

Dear Travis Kogl:

Enclosed are the analytical results for sample(s) received by the laboratory on February 04, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Angela Bown, GHD Services, Inc.
Nick Laskares, GHD Services, Inc.
Angela McManus, Pace Analytical



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 012559A GM RACER

Pace Project No.: 60328136

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 19-016-0

Arkansas Drinking Water

Illinois Certification #: 004455

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212018-8

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 012559A GM RACER

Pace Project No.: 60328136

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60328136001	WG-013120-NL-017	Water	01/31/20 13:30	02/04/20 16:10
60328136002	WG-013120-NL-018	Water	01/31/20 14:35	02/04/20 16:10
60328136003	WG-013120-NL-019	Water	01/31/20 15:10	02/04/20 16:10
60328136004	WG-013120-NL-020	Water	01/31/20 15:25	02/04/20 16:10
60328136005	WG-013120-NL-021	Water	01/31/20 16:20	02/04/20 16:10
60328136006	WG-013120-NL-022	Water	01/31/20 17:05	02/04/20 16:10
60328136007	WG-013120-NL-023	Water	01/31/20 17:50	02/04/20 16:10
60328136008	WG-020320-NL-024	Water	02/03/20 13:35	02/04/20 16:10
60328136009	WG-020320-NL-025	Water	02/03/20 14:55	02/04/20 16:10
60328136010	WG-020320-NL-026	Water	02/03/20 15:45	02/04/20 16:10
60328136011	WG-020320-NL-027	Water	02/03/20 16:35	02/04/20 16:10
60328136012	WG-020320-NL-028	Water	02/03/20 17:30	02/04/20 16:10
60328136013	TRIP BLANK	Water	02/03/20 00:00	02/04/20 16:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 012559A GM RACER

Pace Project No.: 60328136

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60328136001	WG-013120-NL-017	EPA 5030B/8260	PGH	52	PASI-K
60328136002	WG-013120-NL-018	EPA 5030B/8260	PGH	52	PASI-K
60328136003	WG-013120-NL-019	EPA 8015C	AHS	3	PASI-K
		KS LRH: EPA 5030B/8015C	FNQ	3	PASI-K
		EPA 8270C by SIM	JMT	3	PASI-K
		EPA 5030B/8260	PGH	52	PASI-K
60328136004	WG-013120-NL-020	EPA 8015C	AHS	3	PASI-K
		KS LRH: EPA 5030B/8015C	FNQ	3	PASI-K
		EPA 8270C by SIM	JMT	3	PASI-K
		EPA 5030B/8260	PGH	52	PASI-K
60328136005	WG-013120-NL-021	EPA 5030B/8260	PGH	52	PASI-K
60328136006	WG-013120-NL-022	EPA 5030B/8260	PGH	52	PASI-K
60328136007	WG-013120-NL-023	EPA 8015C	AHS	3	PASI-K
		KS LRH: EPA 5030B/8015C	FNQ	3	PASI-K
		EPA 8270C by SIM	JMT	3	PASI-K
		EPA 5030B/8260	PGH	52	PASI-K
60328136008	WG-020320-NL-024	EPA 5030B/8260	PGH	52	PASI-K
60328136009	WG-020320-NL-025	EPA 5030B/8260	PGH	52	PASI-K
60328136010	WG-020320-NL-026	EPA 5030B/8260	PGH	52	PASI-K
60328136011	WG-020320-NL-027	EPA 5030B/8260	PGH	52	PASI-K
60328136012	WG-020320-NL-028	EPA 5030B/8260	PGH	52	PASI-K
60328136013	TRIP BLANK	EPA 5030B/8260	PGH	52	PASI-K

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 012559A GM RACER

Pace Project No.: 60328136

Sample: **WG-020320-NL-028** Lab ID: **60328136012** Collected: 02/03/20 17:30 Received: 02/04/20 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	10.0	3.3	1		02/07/20 23:35	67-64-1	
Benzene	ND	ug/L	1.0	0.079	1		02/07/20 23:35	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.17	1		02/07/20 23:35	75-27-4	
Bromoform	ND	ug/L	1.0	0.21	1		02/07/20 23:35	75-25-2	
Bromomethane	ND	ug/L	5.0	0.32	1		02/07/20 23:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.70	1		02/07/20 23:35	78-93-3	
Carbon disulfide	ND	ug/L	5.0	0.16	1		02/07/20 23:35	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.084	1		02/07/20 23:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.13	1		02/07/20 23:35	108-90-7	
Chloroethane	ND	ug/L	1.0	0.42	1		02/07/20 23:35	75-00-3	
Chloroform	ND	ug/L	1.0	0.10	1		02/07/20 23:35	67-66-3	
Chloromethane	ND	ug/L	1.0	0.16	1		02/07/20 23:35	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.079	1		02/07/20 23:35	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.83	1		02/07/20 23:35	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.15	1		02/07/20 23:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.18	1		02/07/20 23:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.28	1		02/07/20 23:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.21	1		02/07/20 23:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.23	1		02/07/20 23:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.098	1		02/07/20 23:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.097	1		02/07/20 23:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.14	1		02/07/20 23:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		02/07/20 23:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/07/20 23:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/07/20 23:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.080	1		02/07/20 23:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.087	1		02/07/20 23:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.12	1		02/07/20 23:35	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		02/07/20 23:35	100-41-4	
2-Hexanone	ND	ug/L	10.0	1.0	1		02/07/20 23:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.20	1		02/07/20 23:35	98-82-8	
Methyl acetate	ND	ug/L	20.0	0.49	1		02/07/20 23:35	79-20-9	
Methylcyclohexane	ND	ug/L	1.0	0.10	1		02/07/20 23:35	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.27	1		02/07/20 23:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.56	1		02/07/20 23:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.16	1		02/07/20 23:35	1634-04-4	
Styrene	ND	ug/L	1.0	0.15	1		02/07/20 23:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		02/07/20 23:35	79-34-5	
Tetrachloroethene	10.7	ug/L	1.0	0.22	1		02/07/20 23:35	127-18-4	
Toluene	ND	ug/L	1.0	0.14	1		02/07/20 23:35	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.20	1		02/07/20 23:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.12	1		02/07/20 23:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.10	1		02/07/20 23:35	79-00-5	
Trichloroethene	0.30J	ug/L	1.0	0.17	1		02/07/20 23:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.13	1		02/07/20 23:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.12	1		02/07/20 23:35	76-13-1	N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 012559A GM RACER

Pace Project No.: 60328136

Sample: WG-020320-NL-028		Lab ID: 60328136012		Collected: 02/03/20 17:30		Received: 02/04/20 16:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 5030B/8260									
Vinyl chloride	ND	ug/L	1.0	0.11	1		02/07/20 23:35	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.34	1		02/07/20 23:35	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	80-120		1		02/07/20 23:35	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	77-122		1		02/07/20 23:35	17060-07-0	
Toluene-d8 (S)	101	%	80-120		1		02/07/20 23:35	2037-26-5	
Preservation pH	1.0		0.10	0.10	1		02/07/20 23:35		

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ANALYTICAL RESULTS

Project: 012559A GM RACER

Pace Project No.: 60328136

Sample: TRIP BLANK		Lab ID: 60328136013		Collected: 02/03/20 00:00		Received: 02/04/20 16:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	10.0	3.3	1		02/07/20 20:45	67-64-1	
Benzene	ND	ug/L	1.0	0.079	1		02/07/20 20:45	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.17	1		02/07/20 20:45	75-27-4	
Bromoform	ND	ug/L	1.0	0.21	1		02/07/20 20:45	75-25-2	
Bromomethane	ND	ug/L	5.0	0.32	1		02/07/20 20:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	0.70	1		02/07/20 20:45	78-93-3	
Carbon disulfide	ND	ug/L	5.0	0.16	1		02/07/20 20:45	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.084	1		02/07/20 20:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.13	1		02/07/20 20:45	108-90-7	
Chloroethane	ND	ug/L	1.0	0.42	1		02/07/20 20:45	75-00-3	
Chloroform	ND	ug/L	1.0	0.10	1		02/07/20 20:45	67-66-3	
Chloromethane	ND	ug/L	1.0	0.16	1		02/07/20 20:45	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.079	1		02/07/20 20:45	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	0.83	1		02/07/20 20:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.15	1		02/07/20 20:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.18	1		02/07/20 20:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.28	1		02/07/20 20:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.21	1		02/07/20 20:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.23	1		02/07/20 20:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.098	1		02/07/20 20:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.097	1		02/07/20 20:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.14	1		02/07/20 20:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.22	1		02/07/20 20:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/07/20 20:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.17	1		02/07/20 20:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.080	1		02/07/20 20:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.087	1		02/07/20 20:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.12	1		02/07/20 20:45	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.12	1		02/07/20 20:45	100-41-4	
2-Hexanone	ND	ug/L	10.0	1.0	1		02/07/20 20:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.20	1		02/07/20 20:45	98-82-8	
Methyl acetate	ND	ug/L	20.0	0.49	1		02/07/20 20:45	79-20-9	
Methylcyclohexane	ND	ug/L	1.0	0.10	1		02/07/20 20:45	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.27	1		02/07/20 20:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.56	1		02/07/20 20:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.16	1		02/07/20 20:45	1634-04-4	
Styrene	ND	ug/L	1.0	0.15	1		02/07/20 20:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		02/07/20 20:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.22	1		02/07/20 20:45	127-18-4	
Toluene	ND	ug/L	1.0	0.14	1		02/07/20 20:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.20	1		02/07/20 20:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.12	1		02/07/20 20:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.10	1		02/07/20 20:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		02/07/20 20:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.13	1		02/07/20 20:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.12	1		02/07/20 20:45	76-13-1	N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 012559A GM RACER

Pace Project No.: 60328136

Sample: TRIP BLANK		Lab ID: 60328136013		Collected: 02/03/20 00:00		Received: 02/04/20 16:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260							
Vinyl chloride	ND	ug/L	1.0	0.11	1		02/07/20 20:45	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.34	1		02/07/20 20:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-120		1		02/07/20 20:45	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	77-122		1		02/07/20 20:45	17060-07-0	
Toluene-d8 (S)	101	%	80-120		1		02/07/20 20:45	2037-26-5	
Preservation pH	1.0		0.10	0.10	1		02/07/20 20:45		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 012559A GM RACER

Pace Project No.: 60328136

QC Batch: 637429 Analysis Method: KS LRH: EPA 5030B/8015C
QC Batch Method: KS LRH: EPA 5030B/8015C Analysis Description: LRH (C5 - C8) Water
Associated Lab Samples: 60328136003, 60328136004, 60328136007

METHOD BLANK: 2592800 Matrix: Water

Associated Lab Samples: 60328136003, 60328136004, 60328136007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
LRH (C5-C8)	mg/L	ND	0.050	0.0051	02/10/20 16:42	
4-Bromofluorobenzene (S)	%	95	70-130		02/10/20 16:42	

LABORATORY CONTROL SAMPLE & LCSD: 2592801

LABORATORY CONTROL SAMPLE & LCSD: 2592801			2592802							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
LRH (C5-C8)	mg/L	0.4	0.44	0.44	110	109	70-130	1	25	
4-Bromofluorobenzene (S)	%				102	99	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 012559A GM RACER
Pace Project No.: 60328136

QC Batch:	637123	Analysis Method:	EPA 5030B/8260
QC Batch Method:	EPA 5030B/8260	Analysis Description:	8260 MSV Water 10 mL Purge
Associated Lab Samples:	60328136001, 60328136002, 60328136003, 60328136004, 60328136005, 60328136006, 60328136007, 60328136008, 60328136009, 60328136010, 60328136011, 60328136012, 60328136013		

METHOD BLANK:	2591666	Matrix:	Water
Associated Lab Samples:	60328136001, 60328136002, 60328136003, 60328136004, 60328136005, 60328136006, 60328136007, 60328136008, 60328136009, 60328136010, 60328136011, 60328136012, 60328136013		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.12	02/07/20 20:16	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.31	02/07/20 20:16	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.10	02/07/20 20:16	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.12	02/07/20 20:16	N2
1,1-Dichloroethane	ug/L	ND	1.0	0.097	02/07/20 20:16	
1,1-Dichloroethene	ug/L	ND	1.0	0.22	02/07/20 20:16	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.20	02/07/20 20:16	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	0.83	02/07/20 20:16	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.18	02/07/20 20:16	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.28	02/07/20 20:16	
1,2-Dichloroethane	ug/L	ND	1.0	0.14	02/07/20 20:16	
1,2-Dichloropropane	ug/L	ND	1.0	0.080	02/07/20 20:16	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.21	02/07/20 20:16	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.23	02/07/20 20:16	
2-Butanone (MEK)	ug/L	ND	10.0	0.70	02/07/20 20:16	
2-Hexanone	ug/L	ND	10.0	1.0	02/07/20 20:16	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.56	02/07/20 20:16	
Acetone	ug/L	ND	10.0	3.3	02/07/20 20:16	
Benzene	ug/L	ND	1.0	0.079	02/07/20 20:16	
Bromodichloromethane	ug/L	ND	1.0	0.17	02/07/20 20:16	
Bromoform	ug/L	ND	1.0	0.21	02/07/20 20:16	
Bromomethane	ug/L	ND	5.0	0.32	02/07/20 20:16	
Carbon disulfide	ug/L	ND	5.0	0.16	02/07/20 20:16	
Carbon tetrachloride	ug/L	ND	1.0	0.084	02/07/20 20:16	
Chlorobenzene	ug/L	ND	1.0	0.13	02/07/20 20:16	
Chloroethane	ug/L	ND	1.0	0.42	02/07/20 20:16	
Chloroform	ug/L	ND	1.0	0.10	02/07/20 20:16	
Chloromethane	ug/L	ND	1.0	0.16	02/07/20 20:16	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.17	02/07/20 20:16	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.087	02/07/20 20:16	
Cyclohexane	ug/L	ND	1.0	0.079	02/07/20 20:16	
Dibromochloromethane	ug/L	ND	1.0	0.15	02/07/20 20:16	
Dichlorodifluoromethane	ug/L	ND	1.0	0.098	02/07/20 20:16	
Ethylbenzene	ug/L	ND	1.0	0.12	02/07/20 20:16	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.20	02/07/20 20:16	
Methyl acetate	ug/L	ND	20.0	0.49	02/07/20 20:16	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.16	02/07/20 20:16	
Methylcyclohexane	ug/L	ND	1.0	0.10	02/07/20 20:16	
Methylene Chloride	ug/L	ND	1.0	0.27	02/07/20 20:16	
Styrene	ug/L	ND	1.0	0.15	02/07/20 20:16	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 012559A GM RACER

Pace Project No.: 60328136

METHOD BLANK: 2591666

Matrix: Water

Associated Lab Samples: 60328136001, 60328136002, 60328136003, 60328136004, 60328136005, 60328136006, 60328136007, 60328136008, 60328136009, 60328136010, 60328136011, 60328136012, 60328136013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	0.22	02/07/20 20:16	
Toluene	ug/L	ND	1.0	0.14	02/07/20 20:16	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.17	02/07/20 20:16	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.12	02/07/20 20:16	
Trichloroethene	ug/L	ND	1.0	0.17	02/07/20 20:16	
Trichlorofluoromethane	ug/L	ND	1.0	0.13	02/07/20 20:16	
Vinyl chloride	ug/L	ND	1.0	0.11	02/07/20 20:16	
Xylene (Total)	ug/L	ND	3.0	0.34	02/07/20 20:16	
1,2-Dichloroethane-d4 (S)	%	104	77-122		02/07/20 20:16	
4-Bromofluorobenzene (S)	%	98	80-120		02/07/20 20:16	
Toluene-d8 (S)	%	101	80-120		02/07/20 20:16	

LABORATORY CONTROL SAMPLE: 2591667

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.7	104	79-120	
1,1,2,2-Tetrachloroethane	ug/L	20	20.1	100	71-122	
1,1,2-Trichloroethane	ug/L	20	18.9	95	76-123	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.7	99	69-132	N2
1,1-Dichloroethane	ug/L	20	19.9	99	78-117	
1,1-Dichloroethene	ug/L	20	19.9	99	74-122	
1,2,4-Trichlorobenzene	ug/L	20	19.6	98	76-122	
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	90	65-133	
1,2-Dibromoethane (EDB)	ug/L	20	21.2	106	80-118	
1,2-Dichlorobenzene	ug/L	20	19.7	99	84-118	
1,2-Dichloroethane	ug/L	20	20.2	101	73-120	
1,2-Dichloropropane	ug/L	20	20.5	102	78-115	
1,3-Dichlorobenzene	ug/L	20	19.5	97	84-116	
1,4-Dichlorobenzene	ug/L	20	19.0	95	83-115	
2-Butanone (MEK)	ug/L	100	106	106	54-133	
2-Hexanone	ug/L	100	109	109	60-133	
4-Methyl-2-pentanone (MIBK)	ug/L	100	108	108	62-130	
Acetone	ug/L	100	104	104	54-130	
Benzene	ug/L	20	19.8	99	80-120	
Bromodichloromethane	ug/L	20	18.4	92	78-121	
Bromoform	ug/L	20	20.0	100	62-137	
Bromomethane	ug/L	20	13.0	65	41-145	
Carbon disulfide	ug/L	20	19.5	98	64-119	
Carbon tetrachloride	ug/L	20	20.2	101	77-122	
Chlorobenzene	ug/L	20	20.4	102	80-123	
Chloroethane	ug/L	20	21.4	107	60-146	
Chloroform	ug/L	20	20.5	103	81-116	
Chloromethane	ug/L	20	15.8	79	29-154	

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QUALITY CONTROL DATA

Project: 012559A GM RACER

Pace Project No.: 60328136

LABORATORY CONTROL SAMPLE: 2591667

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	20	19.8	99	80-120	
cis-1,3-Dichloropropene	ug/L	20	20.8	104	78-118	
Cyclohexane	ug/L	20	19.5	98	78-129	
Dibromochloromethane	ug/L	20	19.1	96	73-128	
Dichlorodifluoromethane	ug/L	20	18.4	92	13-185	
Ethylbenzene	ug/L	20	19.0	95	80-120	
Isopropylbenzene (Cumene)	ug/L	20	20.7	104	81-115	
Methyl acetate	ug/L	20	18.3J	92	71-129	
Methyl-tert-butyl ether	ug/L	20	21.1	106	67-125	
Methylcyclohexane	ug/L	20	19.9	100	83-127	
Methylene Chloride	ug/L	20	19.6	98	80-126	
Styrene	ug/L	20	20.0	100	85-120	
Tetrachloroethene	ug/L	20	19.7	98	77-121	
Toluene	ug/L	20	19.7	99	80-120	
trans-1,2-Dichloroethene	ug/L	20	19.7	98	80-120	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	76-123	
Trichloroethene	ug/L	20	20.4	102	80-121	
Trichlorofluoromethane	ug/L	20	21.3	107	64-124	
Vinyl chloride	ug/L	20	19.7	99	46-162	
Xylene (Total)	ug/L	60	60.8	101	80-120	
1,2-Dichloroethane-d4 (S)	%			102	77-122	
4-Bromofluorobenzene (S)	%			102	80-120	
Toluene-d8 (S)	%			101	80-120	

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QUALITY CONTROL DATA

Project: 012559A GM RACER

Pace Project No.: 60328136

QC Batch: 637101 Analysis Method: EPA 8015C

QC Batch Method: EPA 3511 Analysis Description: EPA 8015C

Associated Lab Samples: 60328136003, 60328136004, 60328136007

METHOD BLANK: 2591587 Matrix: Water

Associated Lab Samples: 60328136003, 60328136004, 60328136007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
HRH (C19-C35)	mg/L	ND	0.20	0.039	02/10/20 15:12	
MRH (C9-C18)	mg/L	ND	0.059	0.030	02/10/20 15:12	
1-Chloro-octadecane (S)	%	46	40-140		02/10/20 15:12	

LABORATORY CONTROL SAMPLE & LCSD: 2591588

LABORATORY CONTROL SAMPLE & LCSD: 2591588			2591589							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
HRH (C19-C35)	mg/L	0.22	.16J	.14J	72	62	40-140		30	
MRH (C9-C18)	mg/L	0.17	0.092	0.096	55	56	40-140	4	30	
1-Chloro-octadecane (S)	%				32	30	40-140			S0

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QUALITY CONTROL DATA

Project: 012559A GM RACER

Pace Project No.: 60328136

QC Batch:	636916	Analysis Method:	EPA 8270C by SIM
QC Batch Method:	EPA 3510C	Analysis Description:	8270 Water PAH by SIM MSSV
Associated Lab Samples:	60328136003, 60328136004, 60328136007		

METHOD BLANK: 2590895 Matrix: Water

Associated Lab Samples: 60328136003, 60328136004, 60328136007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Naphthalene	ug/L	ND	0.50	0.034	02/07/20 08:46	
2-Fluorobiphenyl (S)	%	80	46-107		02/07/20 08:46	
Terphenyl-d14 (S)	%	105	40-124		02/07/20 08:46	

LABORATORY CONTROL SAMPLE: 2590896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	10	6.5	65	46-117	
2-Fluorobiphenyl (S)	%			73	46-107	
Terphenyl-d14 (S)	%			88	40-124	

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QUALIFIERS

Project: 012559A GM RACER
Pace Project No.: 60328136

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-K Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: 637123

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.
N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 012559A GM RACER

Pace Project No.: 60328136

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60328136003	WG-013120-NL-019	EPA 3511	637101	EPA 8015C	637514
60328136004	WG-013120-NL-020	EPA 3511	637101	EPA 8015C	637514
60328136007	WG-013120-NL-023	EPA 3511	637101	EPA 8015C	637514
60328136003	WG-013120-NL-019	KS LRH: EPA 5030B/8015C	637429		
60328136004	WG-013120-NL-020	KS LRH: EPA 5030B/8015C	637429		
60328136007	WG-013120-NL-023	KS LRH: EPA 5030B/8015C	637429		
60328136003	WG-013120-NL-019	EPA 3510C	636916	EPA 8270C by SIM	637121
60328136004	WG-013120-NL-020	EPA 3510C	636916	EPA 8270C by SIM	637121
60328136007	WG-013120-NL-023	EPA 3510C	636916	EPA 8270C by SIM	637121
60328136001	WG-013120-NL-017	EPA 5030B/8260	637123		
60328136002	WG-013120-NL-018	EPA 5030B/8260	637123		
60328136003	WG-013120-NL-019	EPA 5030B/8260	637123		
60328136004	WG-013120-NL-020	EPA 5030B/8260	637123		
60328136005	WG-013120-NL-021	EPA 5030B/8260	637123		
60328136006	WG-013120-NL-022	EPA 5030B/8260	637123		
60328136007	WG-013120-NL-023	EPA 5030B/8260	637123		
60328136008	WG-020320-NL-024	EPA 5030B/8260	637123		
60328136009	WG-020320-NL-025	EPA 5030B/8260	637123		
60328136010	WG-020320-NL-026	EPA 5030B/8260	637123		
60328136011	WG-020320-NL-027	EPA 5030B/8260	637123		
60328136012	WG-020320-NL-028	EPA 5030B/8260	637123		
60328136013	TRIP BLANK	EPA 5030B/8260	637123		

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Sample Condition Upon Receipt

WO#: 60328136Client Name: GHDCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☒ Xroads ☐ Client ☐ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☐ No ☒ Seals intact: Yes ☐ No ☒Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☒ 2plcThermometer Used: T-298 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 0.3 Corr. Factor +0.1 Corrected 0.4Date and initials of person
examining contents: HS
2.4.20

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☐ Yes ☒ No ☐ N/A	
Rush Turn Around Time requested:	☐ Yes ☒ No ☐ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix:	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☐ Yes ☐ No ☒ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☒ Yes ☐ No ☐ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☒ No ☐ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

