Rose & Westra
A Division of GZA

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION MANAGEMENT

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File No. 16.0062335.52

October 1, 2018

Ms. Abigail Hendershott
District Supervisor – Remediation and Redevelopment Division
Michigan Department of Environmental Quality (MDEQ)
350 Ottawa Avenue NW #10
Grand Rapids, MI 49503

Re: Wolverine World Wide, Inc. – House Street CSM and On-Site Progress Report

Dear Ms. Hendershott:

On behalf of Wolverine World Wide, Inc. (Wolverine), this letter is a supplemental response to your April 4, 2018 letter entitled *House Street Per- and Polyfluoroalkyl Substance (PFAS) Investigation – 1855 House Street, Rockford, Kent County, Michigan, Conceptual Site Model Update and Status Report*. As indicated in our May 4, 2018 letter entitled *Wolverine World Wide, Inc. – House Street CSM update and Status Report*, this submittal is a progress report for the House Street remedial investigation.

This progress report (through various September 2018 dates, as noted below) includes information available since the submittal of the June 29, 2018 *House Street CSM Progress Report*. This is being combined with the monthly reporting being completed for the on-going on-Site investigation.

INVESTIGATION ACTIONS

1) Soil boring and sampling were performed at the Site following the *Extent of Contamination Study Removal Work Plan, House Street Disposal Area, Plainfield Township, Kent County, Michigan*, dated May 29, 2018 (RWP), under the U.S. EPA Unilateral Administrative Order (UAO) Program. The soil from the borings was observed for the presence of waste material, classified and logged, and field screened with XRF and PID instruments. Soil samples selected on the basis of the information from the field observations and screening were collected and submitted for laboratory analyses. See Figure 1 for the soil boring locations drilled through September 25, 2018, and the presence of waste materials at these locations.

2) As part of the RWP implementation, temporary groundwater wells were installed, and groundwater samples were collected at the locations where perched groundwater was observed. See Figure 3 for the temporary well locations.

3) One round of groundwater monitoring well samples were collected from the monitoring wells located on-Site and the wells located on the MDOT property, MW-1 through MW-11 clusters, in late July and early August. Refer to Figure 4 for a monitoring well location plan.

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4) One round of static water level data from the on-Site and off-Site groundwater monitoring wells was collected on September 4, 2018. See Figure 5 for an interpolated groundwater contour map.

5) Access efforts continued for PMW-12, PMW-13, PMW-16, PMW-20, PMW-22, PMW-23, and PMW-24. We were granted access to drill at two additional locations in the Southeast Expansion Area. Numerous resident meetings and calls have been completed. R&W/GZA also met with MDEQ to discuss off site locations.

6) Soil samples were collected from thirty boring locations at the MDOT property immediately south of the Site. See Figure 2 for the boring locations.

ANALYTICAL DATA RECIEVED

Some soil and temporary monitoring well sample data has been received. See Tables 1, 2, 3 for summaries of the PFAS analytical data for on-Site soil samples, soil samples collected from MDOT property, and temporary monitoring well samples. The July/August 2018 groundwater monitoring well sample data have been received. See Table 4 for a summary of the PFAS analytical data for the monitoring well samples. Refer to R&W/GZA's Monthly Progress Reports for summaries of the remaining analytes.

The laboratory analytical reports and geographic information system (GIS) data for these samples have been submitted to the MDEQ through the AECOM GIS maintenance updates.

ANTICIPATED ACTIONS AND SCHEDULE FOR NEXT REPORTING PERIOD

During the next reporting period, October through December, R&W/GZA anticipates continuing to pursue access to the pending well installation locations. Drilling will commence on locations where access has already been obtained (PMW-20 and one location in the Southeast Expansion Area). Assuming additional access is granted, drilling will continue. Implementation of the RWP work will be continued through November.

If you have any questions, please feel free to contact us.

Very truly yours,

Rose & Westra, a Division of GZA GeoEnvironmental, Inc.

Mark A. Westra
Associate Principal

Loretta J. Powers
Senior Project Manager/Consultant Reviewer

maw/ljp

c: Mr. Dave Latchana – Wolverine Worldwide, Inc. *via email David.Latchana@wwwinc.com*
Mr. John V. Byl – Warner Norcross & Judd LLP *via email jbyl@wnj.com*

Enclosures: As Stated

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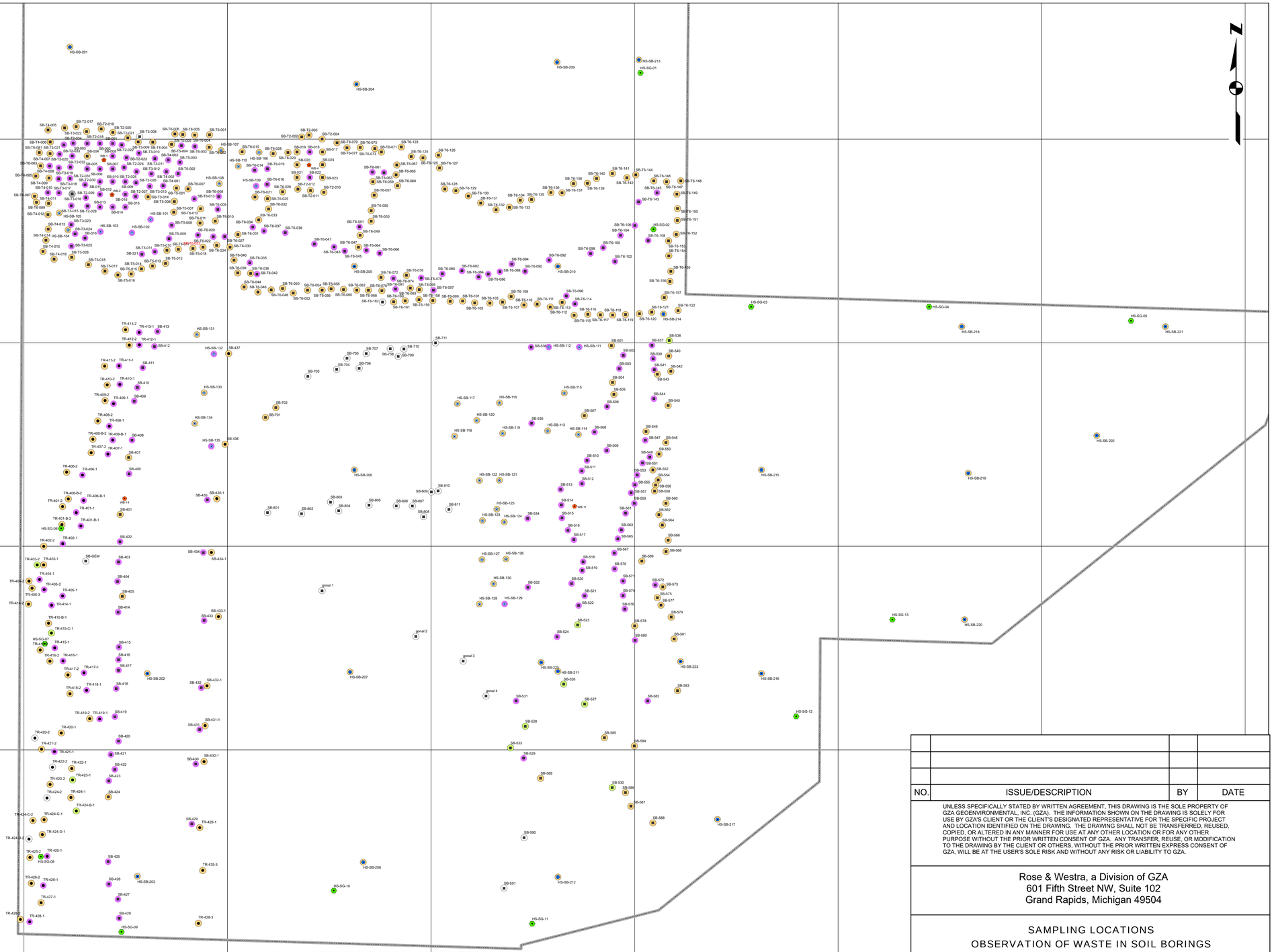

LEGEND

- SOIL GAS WELL LOCATION
- 400 FT GRID SYSTEMATIC SAMPLE LOCATION
- ADDITIONAL BIASED SAMPLE LOCATION
- PREVIOUS SOURCE AREA SAMPLE LOCATION
- TIERED SAMPLE LOCATION
- TRENCH SAMPLE LOCATION
- WASTE OBSERVED
- NO WASTE OBSERVED
- NO WASTE OBSERVED, NOT SAMPLED
- BORING NOT COMPLETED
- PRESUMED IMPACTED, NO SOIL BORING/SAMPLING
- APPROXIMATE HOUSE ST SITE BOUNDARY
- 400 FT GRID BLOCK

NOTES:
1. SOIL BORING STATUS UPDATED THROUGH 09/25/2018.
2. BORINGS NOT COMPLETED SUBJECT TO CHANGE.

100 50 0 100
Scale in Feet

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SAMPLING LOCATIONS
OBSERVATION OF WASTE IN SOIL BORINGS

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PREPARED FOR: WNJ/WWW

PROJ MGR: LJP	REVIEWED BY: LJP	CHECKED BY: JTH	FIGURE
DESIGNED BY: JC	DRAWN BY: JC/JMG	SCALE: AS SHOWN	1
DATE: 09-27-2018	PROJECT NO. 16.0062335.52	REVISION NO.	

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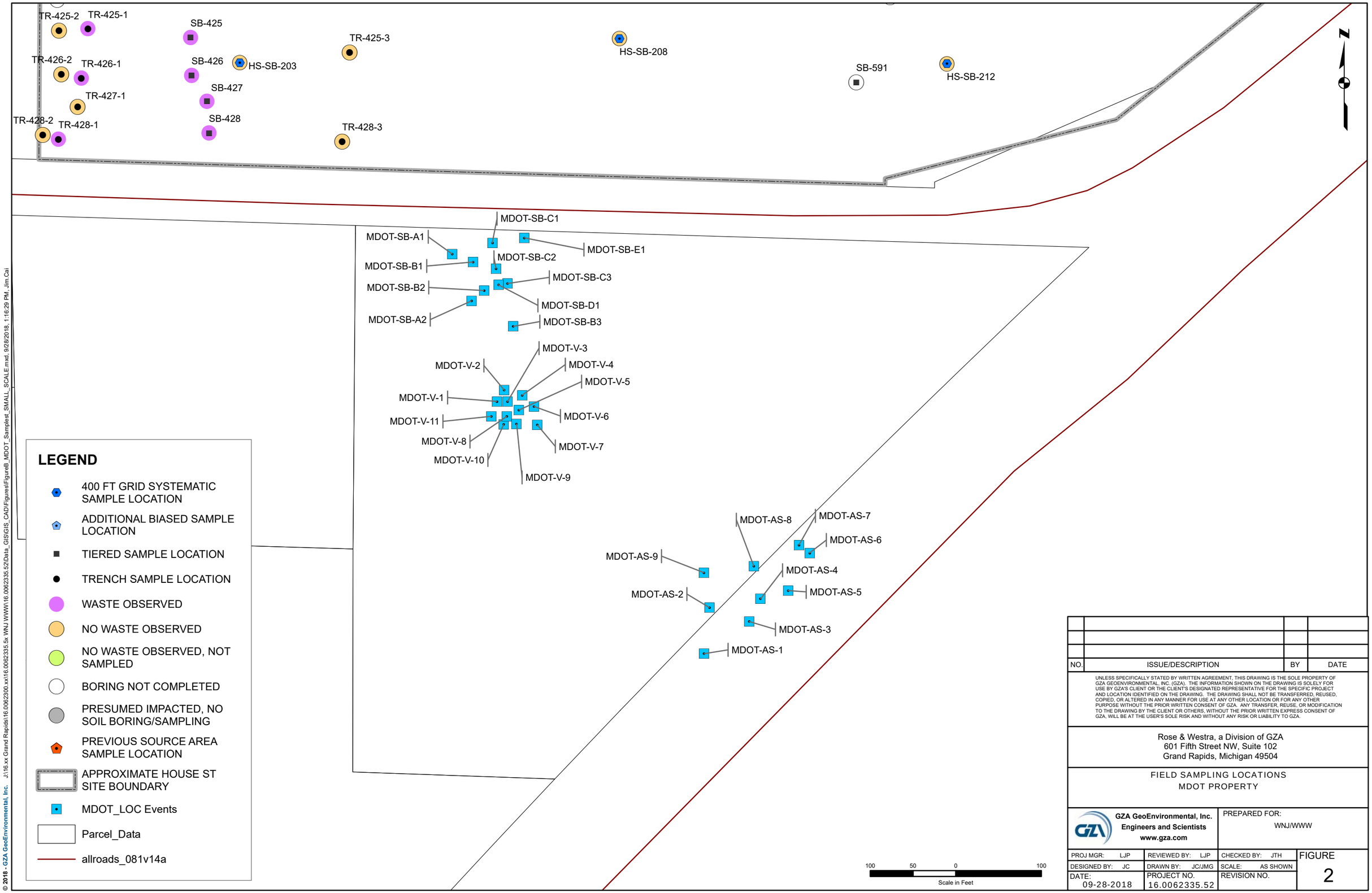

LEGEND

- 400 FT GRID SYSTEMATIC SAMPLE LOCATION
- ADDITIONAL BIASED SAMPLE LOCATION
- TIERED SAMPLE LOCATION
- TRENCH SAMPLE LOCATION
- WASTE OBSERVED
- NO WASTE OBSERVED
- NO WASTE OBSERVED, NOT SAMPLED
- BORING NOT COMPLETED
- PRESUMED IMPACTED, NO SOIL BORING/SAMPLING
- PREVIOUS SOURCE AREA SAMPLE LOCATION
- APPROXIMATE HOUSE ST SITE BOUNDARY
- MDOT_LOC Events
- Parcel_Data
- allroads_081v14a

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FIELD SAMPLING LOCATIONS
MDOT PROPERTY

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PREPARED FOR:
WNJ/WWW

PROJ MGR: LJP	REVIEWED BY: LJP	CHECKED BY: JTH	FIGURE
DESIGNED BY: JC	DRAWN BY: JC/JMG	SCALE: AS SHOWN	2
DATE: 09-28-2018	PROJECT NO. 16.0062335.52	REVISION NO.	

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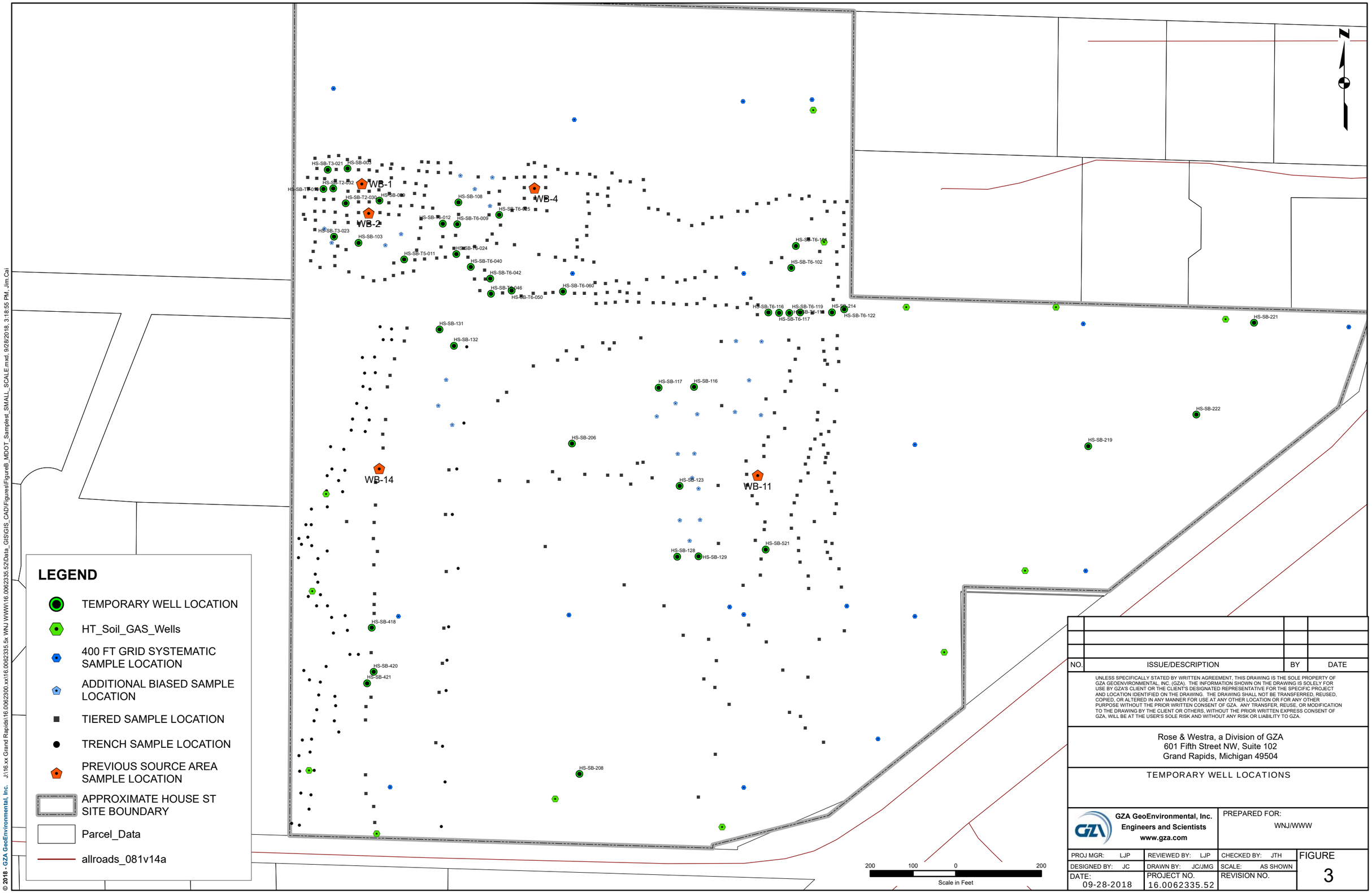

LEGEND

- TEMPORARY WELL LOCATION
- HT_Soil_GAS_Wells
- 400 FT GRID SYSTEMATIC SAMPLE LOCATION
- ADDITIONAL BIASED SAMPLE LOCATION
- TIERED SAMPLE LOCATION
- TRENCH SAMPLE LOCATION
- PREVIOUS SOURCE AREA SAMPLE LOCATION
- APPROXIMATE HOUSE ST SITE BOUNDARY
- Parcel_Data
- allroads_081v14a

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TEMPORARY WELL LOCATIONS

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PROJ MGR: LJP	REVIEWED BY: LJP	CHECKED BY: JTH	FIGURE
DESIGNED BY: JC	DRAWN BY: JC/JMG	SCALE: AS SHOWN	3
DATE: 09-28-2018	PROJECT NO. 16.0062335.52	REVISION NO.	

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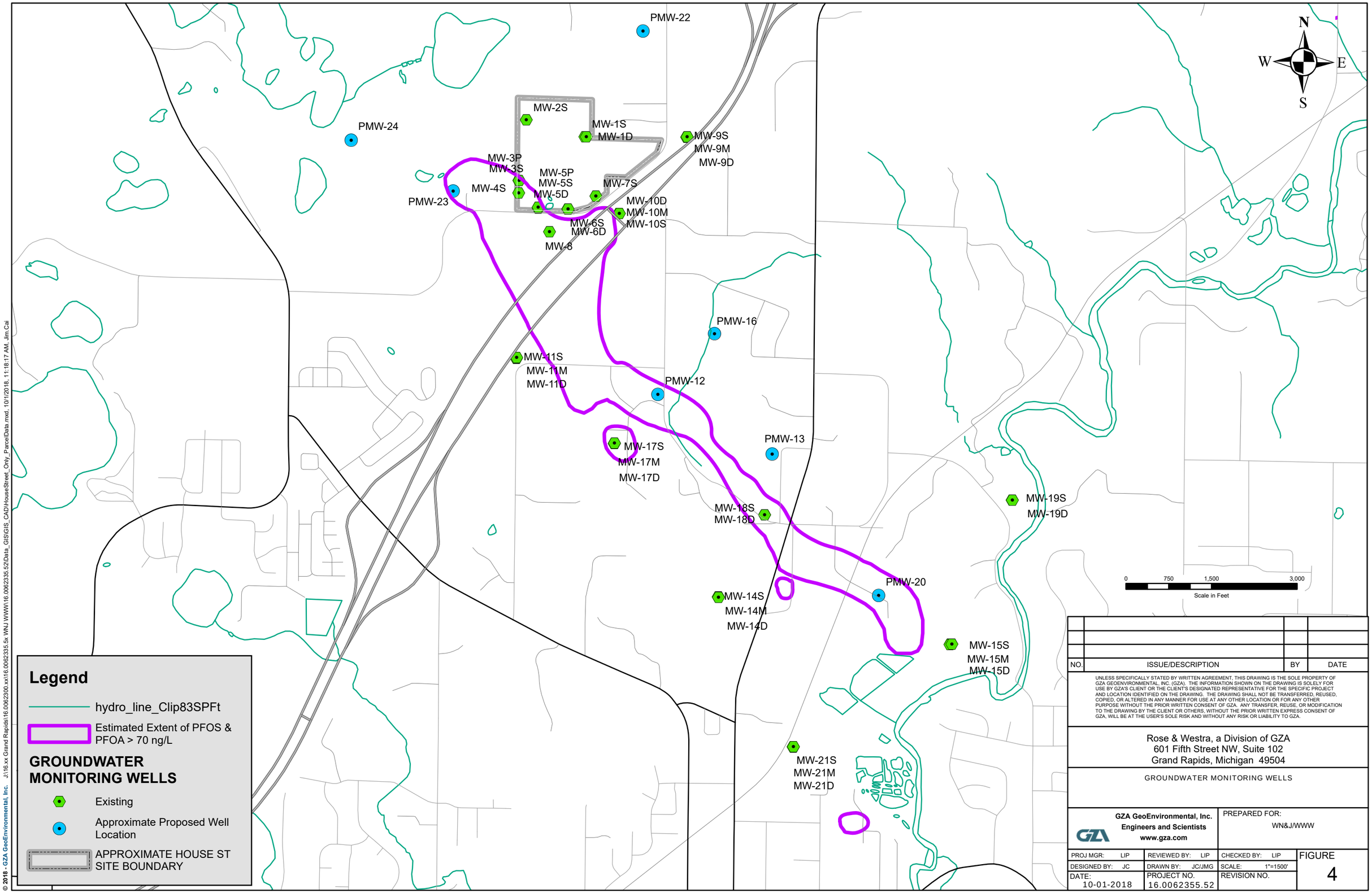

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GROUNDWATER MONITORING WELLS

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PREPARED FOR:
WN&J/WWW

PROJ MGR: LIP	REVIEWED BY: LIP	CHECKED BY: LIP	FIGURE
DESIGNED BY: JC	DRAWN BY: JC/JMG	SCALE: 1"=1500'	4
DATE: 10-01-2018	PROJECT NO. 16.0062355.52	REVISION NO.	

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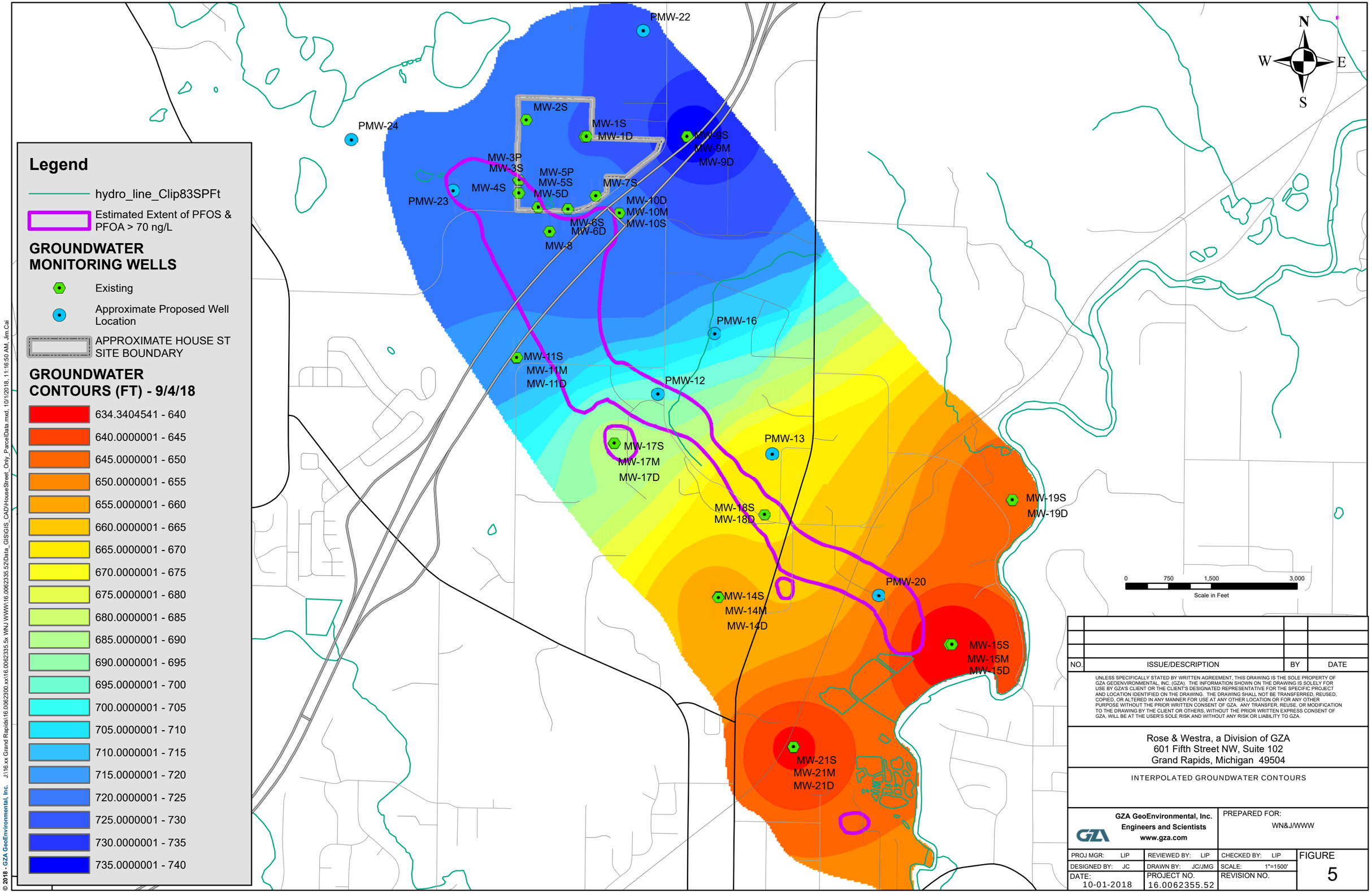

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INTERPOLATED GROUNDWATER CONTOURS

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PREPARED FOR:
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PROJ MGR: LIP	REVIEWED BY: LIP	CHECKED BY: LIP	FIGURE
DESIGNED BY: JC	DRAWN BY: JC/JMG	SCALE: 1"=1500'	5
DATE: 10-01-2018	PROJECT NO. 16.0062355.52	REVISION NO.	

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TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-004	HS-SB-004	HS-SB-017	HS-SB-017	HS-SB-019	HS-SB-019	HS-SB-020
Sample Name			HS-SB-004 (11-12)	HS-SB-004 (19-20)	HS-SB-017 (9-10)	HS-SB-017 (13-14)	HS-SB-019 (8-9)	HS-SB-019 (12-13)	HS-SB-020 (10-11)
Lab Sample ID			TF30014-012	TF30014-013	TF23026-005	TF23026-006	TF22019-015	TF22019-016	TF22019-005
Depth Interval (feet)			11 - 12	19 - 20	9 - 10	13 - 14	8 - 9	12 - 13	10 - 11
Sample Date			6/27/2018	6/27/2018	6/22/2018	6/22/2018	6/21/2018	6/21/2018	6/21/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.9	<11	<9.6	<9.6	<10	<10	<9.6
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.9	<11	<9.6	<9.6	<10	<10	<9.6
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2.3	<1.9	<1.9	<2	<2	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2.3	<1.9	<1.9	<2	<2	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorobutanoic acid (PFBA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorodecanoic acid (PFDA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorononanoic acid (PFNA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***29***	***100***	<4.8	<4.8	<5	<5	<4.8
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.9	<5.7	<4.8	<4.8	<5	<5	<4.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-020	HS-SB-021	HS-SB-021	HS-SB-023	HS-SB-023	HS-SB-023	HS-SB-024
Sample Name			HS-SB-020 (14-15)	HS-SB-021 (9-10)	HS-SB-021 (11-12)	HS-SB-023 (9-10)	HS-SB-023 (12-13)	HS-SB-023 (12-13) DUP	HS-SB-024 (9-10)
Lab Sample ID			TF22019-006	TF23026-007	TF23026-008	TF26023-002	TF26023-003	TF26023-004	TF23026-009
Depth Interval (feet)			14 - 15	9 - 10	11 - 12	9 - 10	12 - 13	12 - 13	9 - 10
Sample Date			6/21/2018	6/22/2018	6/22/2018	6/22/2018	6/22/2018	6/22/2018	6/22/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.2	<9.6	<11	<9.2	<9	<10	<9
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.2	<9.6	<11	<9.2	<9	<10	<9
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.8	<1.9	<2.1	<1.8	<1.8	<2	<1.8
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.8	<1.9	<2.1	<1.8	<1.8	<2	<1.8
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorobutanoic acid (PFBA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorodecanoic acid (PFDA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	5.2 [H]
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorononanoic acid (PFNA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.6	<4.8	***5.8 [H]***	<4.6	<4.5	<5.1	***6.4 [H]***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	5.6 [H]
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.6	<4.8	<5.3	<4.6	<4.5	<5.1	<4.5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-024	HS-SB-101	HS-SB-101	HS-SB-101	HS-SB-101	HS-SB-102	HS-SB-102
Sample Name			HS-SB-024 (12-13)	HS-SB-101 (5-6)	HS-SB-101 (8-9)	HS-SB-101 (8-9) DUP	HS-SB-101 (12-13)	HS-SB-102 (7-8)	HS-SB-102 (11-12)
Lab Sample ID			TF23026-010	TF16008-005	TF16008-006	TF16008-007	TF16008-008	TF16008-012	TF16008-013
Depth Interval (feet)			12 - 13	5 - 6	8 - 9	8 - 9	12 - 13	7 - 8	11 - 12
Sample Date			6/22/2018	6/15/2018	6/15/2018	6/15/2018	6/15/2018	6/15/2018	6/15/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.9	<62	<11	<11	<10	<2,100	<300
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.9	<62	<210	<11	<10	<2,100	<300
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	190	130	24	<2.1	10,000	3,200
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<12	<2.1	<2.2	<2.1	<420	<61
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluorobutanoic acid (PFBA)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluorodecanoic acid (PFDA)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	31	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluorohexanoic acid (PFHxA)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluorononanoic acid (PFNA)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5	<31	6.7	<5.5	<5.1	<1,000	<150
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5	***3,200***	***1,500***	***330***	<5.1	***89,000***	***20,000***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	77	<31	19	<5.5	<5.1	<1,000	<150
Perfluoropentanoic acid (PFPeA)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5	41	14	<5.5	<5.1	<1,000	210
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5	39	12	<5.5	<5.1	<1,000	180
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5	<31	<5.4	<5.5	<5.1	<1,000	<150

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-102	HS-SB-103	HS-SB-103	HS-SB-103	HS-SB-104	HS-SB-104	HS-SB-104
Sample Name			HS-SB-102 (14-15)	HS-SB-103 (7-8)	HS-SB-103 (12-13)	HS-SB-103 (15-16)	HS-SB-104 (5-6)	HS-SB-104 (7-8)	HS-SB-104 (12-13)
Lab Sample ID			TF16008-014	TF19017-005	TF19017-006	TF19017-007	TF19017-011	TF19017-012	TF19017-013
Depth Interval (feet)			14 - 15	7 - 8	12 - 13	15 - 16	5 - 6	7 - 8	12 - 13
Sample Date			6/15/2018	6/18/2018	6/18/2018	6/18/2018	6/18/2018	6/18/2018	6/18/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<1,300	<9	<9.4	<11	<11	<9.2
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<1,300	<9	<9.4	<11	<11	<9.2
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	4.8	12,000	51	8.7	<2.3	<2.1	<1.8
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<260	<1.8	<1.9	<2.3	<2.1	<1.8
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorobutanoic acid (PFBA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorodecanoic acid (PFDA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.4	<640	4.7	<4.7	<5.7	<5.3	<4.6
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorononanoic acid (PFNA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***46***	***63,000***	***330***	***140***	<5.7	<5.3	***220***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.4	<640	6.5	4.7	<5.7	<5.3	<4.6
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.4	850	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.4	870	<4.5	<4.7	<5.7	<5.3	<4.6
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.4	<640	<4.5	<4.7	<5.7	<5.3	<4.6

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-105	HS-SB-105	HS-SB-105	HS-SB-106	HS-SB-106	HS-SB-106	HS-SB-107
Sample Name			HS-SB-105 (6-7)	HS-SB-105 (8-9)	HS-SB-105 (13-14)	HS-SB-106 (7-8)	HS-SB-106 (8-9)	HS-SB-106 (14-15)	HS-SB-107 (8-9)
Lab Sample ID			TF20012-006	TF20012-007	TF20012-008	TF20012-013	TF20012-014	TF20012-015	TF20012-016
Depth Interval (feet)			6 - 7	8 - 9	13 - 14	7 - 8	8 - 9	14 - 15	8 - 9
Sample Date			6/19/2018	6/19/2018	6/19/2018	6/19/2018	6/19/2018	6/19/2018	6/19/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<9.2	<9.8	<10	<11	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<9.2	<9.8	<10	<11	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<2.2	<1.8	<2	<2	<2.3	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2.2	<1.8	<2	<2	<2.3	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorobutanoic acid (PFBA)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorodecanoic acid (PFDA)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorononanoic acid (PFNA)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.3	<5.4	<4.6	6.3	8.8	<5.6	<5.2
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***14***	***7.6***	***9.4***	***8.6***	***250***	***73***	<5.2
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.3	<5.4	<4.6	<4.9	<5.1	<5.6	<5.2

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-107	HS-SB-107	HS-SB-108	HS-SB-108	HS-SB-108	HS-SB-109	HS-SB-109
Sample Name			HS-SB-107 (13-14)	HS-SB-107 (15-16)	HS-SB-108 (8-9)	HS-SB-108 (12-13)	HS-SB-108 (16-17)	HS-SB-109 (9-10)	HS-SB-109 (11-12)
Lab Sample ID			TF20012-017	TF20012-018	TF20012-010	TF20012-011	TF20012-012	TF20012-019	TF20012-020
Depth Interval (feet)			13 - 14	15 - 16	8 - 9	12 - 13	16 - 17	9 - 10	11 - 12
Sample Date			6/19/2018	6/19/2018	6/19/2018	6/19/2018	6/19/2018	6/19/2018	6/19/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<10	<9.7	<11	<10	<45	<100
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<10	<9.7	<11	<10	<45	<100
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<2.1	<1.9	<2.2	<2	120	140
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<2.1	<1.9	<2.2	<2	<9	<20
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluorobutanoic acid (PFBA)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluorodecanoic acid (PFDA)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.5	<5.2	58	<5.5	<5	<23	<50
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	26	70
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	51	96
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluorononanoic acid (PFNA)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.5	<5.2	17	<5.5	<5	<23	56
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.5	<5.2	***240***	***9.2***	***10***	***2,500***	***11,000***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.5	<5.2	<4.8	<5.5	<5	52	130
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.5	<5.2	<4.8	<5.5	<5	<23	<50

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-109	HS-SB-110	HS-SB-110	HS-SB-110	HS-SB-110	HS-SB-111	HS-SB-111
Sample Name			HS-SB-109 (14-15)	HS-SB-110 (7-8)	HS-SB-110 (7-8) DUP	HS-SB-110 (11-12)	HS-SB-110 (14-15)	HS-SB-111 (11-12)	HS-SB-111 (12-13)
Lab Sample ID			TF20012-021	TF20012-002	TF20012-003	TF20012-004	TF20012-005	TF22019-017	TF22019-018
Depth Interval (feet)			14 - 15	7 - 8	7 - 8	11 - 12	14 - 15	11 - 12	12 - 13
Sample Date			6/19/2018	6/19/2018	6/19/2018	6/19/2018	6/19/2018	6/21/2018	6/21/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<11	<11	<9.3	<10	<11	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<11	<11	<9.3	<10	<11	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	2.2	<2.2	<1.9	<2	<2.2	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2.1	<2.2	<1.9	<2	<2.2	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluorobutanoic acid (PFBA)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluorodecanoic acid (PFDA)	NA	NA	<5.2	13	11	<4.7	<5.1	<5.4	<5.6
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	5.6	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluorononanoic acid (PFNA)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.2	79	59	<4.7	<5.1	<5.4	<5.6
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***210***	***330***	***260***	***6.7***	***13***	***100***	***33***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	5.9	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.2	350	180	<4.7	<5.1	<5.4	<5.6
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.2	<5.4	<5.5	<4.7	<5.1	<5.4	<5.6

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-111	HS-SB-112	HS-SB-112	HS-SB-112	HS-SB-112	HS-SB-113	HS-SB-113
Sample Name			HS-SB-111 (14-15)	HB-SB-112 (8-9)	HB-SB-112 (9-10)	HB-SB-112 (9-10) DUP	HB-SB-112 (11-12)	HB-SB-113 (2-3)	HB-SB-113 (7-8)
Lab Sample ID			TF22019-019	TF21030-002	TF21030-003	TF21030-004	TF21030-005	TF21030-006	TF21030-007
Depth Interval (feet)			14 - 15	8 - 9	9 - 10	9 - 10	11 - 12	2 - 3	7 - 8
Sample Date			6/21/2018	6/20/2018	6/20/2018	6/20/2018	6/20/2018	6/20/2018	6/20/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.1	<10	<11	<9.5	<9.7	<8.7	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.1	<10	<11	<9.5	<9.7	<8.7	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.8	<2	<2.1	<1.9	<1.9	<1.7	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.8	<2	<2.1	<1.9	<1.9	<1.7	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorobutanoic acid (PFBA)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorodecanoic acid (PFDA)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorononanoic acid (PFNA)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.6	32	<5.3	<4.7	<4.9	<4.4	<5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***84***	***31***	***38***	***28***	***350***	***180***	***61***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.6	<5.1	<5.3	<4.7	<4.9	12	<5
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.6	<5.1	<5.3	<4.7	<4.9	<4.4	<5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-113	HS-SB-114	HS-SB-114	HS-SB-114	HS-SB-115	HS-SB-115	HS-SB-115
Sample Name			HB-SB-113 (9-10)	HS-SB-114 (0-1)	HS-SB-114 (2-3)	HS-SB-114 (6-7)	HB-SB-115 (3-4)	HB-SB-115 (7-8)	HB-SB-115 (9-10)
Lab Sample ID			TF21030-008	TF23026-002	TF23026-003	TF23026-004	TF21030-009	TF21030-010	TF21030-011
Depth Interval (feet)			9 - 10	0 - 1	2 - 3	6 - 7	3 - 4	7 - 8	9 - 10
Sample Date			6/20/2018	6/22/2018	6/22/2018	6/22/2018	6/20/2018	6/20/2018	6/20/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<9.8	<9.4	<11	<11	<10	<9.2
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<9.8	<9.4	<11	<11	<10	<9.2
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<2	<1.9	<2.2	<2.1	<2.1	<1.8
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2	<1.9	<2.2	<2.1	<2.1	<1.8
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorobutanoic acid (PFBA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorodecanoic acid (PFDA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorononanoic acid (PFNA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***18***	***5.1***	***30***	***34***	<5.3	<5.2	<4.6
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.1	<4.9	<4.7	<5.6	<5.3	<5.2	<4.6

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-116	HS-SB-116	HS-SB-116	HS-SB-116	HS-SB-117	HS-SB-117	HS-SB-117
Sample Name			HS-SB-116 (5-6)	HS-SB-116 (5-6) DUP	HS-SB-116 (8-9)	HS-SB-116 (11-12)	HS-SB-117 (1-2)	HS-SB-117 (7-8)	HS-SB-117 (12-13)
Lab Sample ID			TF22019-011	TF22019-012	TF22019-013	TF22019-014	TF15046-008	TF15046-009	TF15046-010
Depth Interval (feet)			5 - 6	5 - 6	8 - 9	11 - 12	1 - 2	7 - 8	12 - 13
Sample Date			6/21/2018	6/21/2018	6/21/2018	6/21/2018	6/14/2018	6/14/2018	6/14/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.5	<10	<11	<10	<11	<9.8	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.5	<10	<11	<10	<11	<9.8	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.9	<2.1	<2.2	<2	<2.1	<2	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.9	<2.1	<2.2	<2	<2.1	<2	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorobutanoic acid (PFBA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorodecanoic acid (PFDA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorononanoic acid (PFNA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.8	<5.2	<5.4	<5	***7.4***	<4.9	<5.1
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.8	<5.2	<5.4	<5	<5.3	<4.9	<5.1

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-118	HS-SB-118	HS-SB-118	HS-SB-119	HS-SB-119	HS-SB-119	HS-SB-120
Sample Name			HS-SB-118 (7-8)	HS-SB-118 (12-13)	HS-SB-118 (13-14)	HS-SB-119 (2-3)	HS-SB-119 (6-7)	HS-SB-119 (10-11)	HS-SB-120 (3-4)
Lab Sample ID			TF15009-005	TF15009-006	TF15009-007	TF22019-007	TF22019-008	TF22019-009	TF15046-002
Depth Interval (feet)			7 - 8	12 - 13	13 - 14	2 - 3	6 - 7	10 - 11	3 - 4
Sample Date			6/14/2018	6/14/2018	6/14/2018	6/21/2018	6/21/2018	6/21/2018	6/14/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<11	<11	<12	<10	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<11	<11	<12	<10	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<2.2	<2.1	<2.2	<2.4	<2.1	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<2.2	<2.1	<2.2	<2.4	<2.1	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorobutanoic acid (PFBA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorodecanoic acid (PFDA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorononanoic acid (PFNA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.5	<5.4	<5.3	<5.4	<6	<5.2	***5.9***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.5	<5.4	<5.3	<5.4	<6	<5.2	<5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-120	HS-SB-120	HS-SB-121	HS-SB-121	HS-SB-121	HS-SB-122	HS-SB-122
Sample Name			HS-SB-120 (6-7)	HS-SB-120 (8-9)	HS-SB-121 (1-2)	HS-SB-121 (2-3)	HS-SB-121 (6-7)	HS-SB-122 (7-8)	HS-SB-122 (14-15)
Lab Sample ID			TF15046-003	TF15046-004	TF22019-002	TF22019-003	TF22019-004	TF13014-011	TF13014-012
Depth Interval (feet)			6 - 7	8 - 9	1 - 2	2 - 3	6 - 7	7 - 8	14 - 15
Sample Date			6/14/2018	6/14/2018	6/21/2018	6/21/2018	6/21/2018	6/13/2018	6/13/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.9	<11	<10	<11	<12	<11	<13
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.9	<11	<10	<11	<12	<11	<13
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2.3	<2.1	<2.2	<2.3	<2.3	<2.5
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2.3	<2.1	<2.2	<2.3	<2.3	<2.5
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorobutanoic acid (PFBA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorodecanoic acid (PFDA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorononanoic acid (PFNA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.9	<5.7	<5.2	<5.5	<5.8	<5.7	<6.4

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-122	HS-SB-123	HS-SB-123	HS-SB-123	HS-SB-124	HS-SB-124	HS-SB-124
Sample Name			HS-SB-122 (16-17)	HS-SB-123 (6-7)	HB-SB-123 (7-8)	HS-SB-123 (12-13)	HS-SB-124 (6-7)	HS-SB-124 (6-7) DUP	HS-SB-124 (7-8)
Lab Sample ID			TF13014-013	TF13021-001	TF13021-002	TF13021-003	TF13021-008	TF13021-009	TF13021-010
Depth Interval (feet)			16 - 17	6 - 7	7 - 8	12 - 13	6 - 7	6 - 7	7 - 8
Sample Date			6/13/2018	6/12/2018	6/12/2018	6/12/2018	6/12/2018	6/12/2018	6/12/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.8	<11	<12	<12	<12	<12	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.8	<11	<12	<12	<12	<12	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2.1	<2.3	<2.3	<2.4	<2.3	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2.1	<2.3	<2.3	<2.4	<2.3	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorobutanoic acid (PFBA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorodecanoic acid (PFDA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorononanoic acid (PFNA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***5.2***	<5.3	<5.8	<5.8	***180***	***53***	110 S
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.9	<5.3	<5.8	<5.8	<6.1	<5.8	<5.1

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-124	HS-SB-125	HS-SB-125	HS-SB-125	HS-SB-125	HS-SB-126	HS-SB-126
Sample Name			HS-SB-124 (9-10)	HB-SB-125 (1-2)	HB-SB-125 (1-2) DUP	HB-SB-125 (8-9)	HB-SB-125 (11-12)	HS-SB-126 (1-2)	HS-SB-126 (3-4)
Lab Sample ID			TF13021-011	TF13021-015	TF13021-016	TF13021-017	TF13021-018	TF13014-014	TF13014-015
Depth Interval (feet)			9 - 10	1 - 2	1 - 2	8 - 9	11 - 12	1 - 2	3 - 4
Sample Date			6/12/2018	6/13/2018	6/13/2018	6/13/2018	6/13/2018	6/13/2018	6/13/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<11	<12	<13	<10	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<11	<12	<13	<10	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	<2.3	<2.1	<2.4	<2.5	<2.1	<2.4
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.3	<2.1	<2.4	<2.5	<2.1	<2.4
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorobutanoic acid (PFBA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorodecanoic acid (PFDA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorononanoic acid (PFNA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	15	<6
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***190***	***7.8***	***32***	<6	<6.3	***35***	***17***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.7	<5.7	<5.3	<6	<6.3	<5.2	<6

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-126	HS-SB-127	HS-SB-127	HS-SB-127	HS-SB-128	HS-SB-128	HS-SB-128
Sample Name			HS-SB-126 (11-12)	HS-SB-127 (0-1)	HS-SB-127 (2-3)	HS-SB-127 (10-11)	HB-SB-128 (5-6)	HB-SB-128 (6-7)	HB-SB-128 (14-15)
Lab Sample ID			TF13014-016	TF15046-005	TF15046-006	TF15046-007	TF13021-019	TF13021-020	TF13021-021
Depth Interval (feet)			11 - 12	0 - 1	2 - 3	10 - 11	5 - 6	6 - 7	14 - 15
Sample Date			6/13/2018	6/14/2018	6/14/2018	6/14/2018	6/13/2018	6/13/2018	6/13/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<9.4	<11	<12	<9.5	<9.9	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<9.4	<11	<12	<9.5	<9.9	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.4	<1.9	<2.1	<2.3	<1.9	<2	<2.2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.4	<1.9	<2.1	<2.3	<1.9	<2	<2.2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorobutanoic acid (PFBA)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorodecanoic acid (PFDA)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorohexanoic acid (PFHxA)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorononanoic acid (PFNA)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<6.1	20	86	<5.8	<4.7	<5	<5.5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***11***	***77***	***260***	***28***	***29***	***24***	***7.3***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<6.1	<4.7	14	<5.8	<4.7	<5	<5.5
Perfluoropentanoic acid (PFPeA)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<6.1	<4.7	<5.3	<5.8	<4.7	<5	<5.5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-129	HS-SB-129	HS-SB-129	HS-SB-130	HS-SB-130	HS-SB-130	HS-SB-131
Sample Name			HS-SB-129 (7-8)	HS-SB-129 (8-9)	HS-SB-129 (10-11)	HS-SB-130 (0-1)	HS-SB-130 (6-7)	HS-SB-130 (12-13)	HS-SB-131 (3-4)
Lab Sample ID			TF13021-005	TF13021-006	TF13021-007	TF13014-017	TF13014-018	TF13014-019	TF15009-002
Depth Interval (feet)			7 - 8	8 - 9	10 - 11	0 - 1	6 - 7	12 - 13	3 - 4
Sample Date			6/12/2018	6/12/2018	6/12/2018	6/13/2018	6/13/2018	6/13/2018	6/14/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<11	<10	<10	<11	<12	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<11	<10	<10	<11	<12	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	18	<2.1	<2.1	<2.3	<2.4	<2.2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.3	<2.1	<2.1	<2.3	<2.4	<2.2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorobutanoic acid (PFBA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorodecanoic acid (PFDA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorononanoic acid (PFNA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***98***	***350***	***140***	***37***	***110***	<6.1	<5.5
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.8	9.1	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.8	<5.7	<5.2	<5.1	<5.7	<6.1	<5.5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-131	HS-SB-131	HS-SB-132	HS-SB-132	HS-SB-132	HS-SB-133	HS-SB-133
Sample Name			HS-SB-131 (7-8)	HS-SB-131 (18-19)	HS-SB-132 (6-7)	HS-SB-132 (8-9)	HS-SB-132 (11-12)	HS-SB-133 (4-5)	HS-SB-133 (6-7)
Lab Sample ID			TF15009-003	TF15009-004	TF16008-002	TF16008-003	TF16008-004	TF16008-009	TF16008-010
Depth Interval (feet)			7 - 8	18 - 19	6 - 7	8 - 9	11 - 12	4 - 5	6 - 7
Sample Date			6/14/2018	6/14/2018	6/15/2018	6/15/2018	6/15/2018	6/15/2018	6/15/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.8	<13	<750	<230	<9.9	<11	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.8	<13	<750	<230	<9.9	<11	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2.6	910	280	<2	<2.1	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2.6	<150	<46	<2	<2.1	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorobutanoic acid (PFBA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorodecanoic acid (PFDA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.9	<6.6	<370	<110	5.1	<5.3	<5.2
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorononanoic acid (PFNA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.9	<6.6	***51,000***	***17,000***	***460***	<5.3	<5.2
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.9	<6.6	<370	<110	6.5	<5.3	<5.2
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.9	<6.6	<370	<110	<4.9	<5.3	<5.2

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-133	HS-SB-134	HS-SB-134	HS-SB-134	HS-SB-135	HS-SB-135	HS-SB-135
Sample Name			HS-SB-133 (10-11)	HS-SB-134 (7-8)	HS-SB-134 (14-15)	HS-SB-134 (15-16)	HS-SB-135 (7-8)	HS-SB-135 (8-9)	HS-SB-135 (12-13)
Lab Sample ID			TF16008-011	TF19017-002	TF19017-003	TF19017-004	TF19017-008	TF19017-009	TF19017-010
Depth Interval (feet)			10 - 11	7 - 8	14 - 15	15 - 16	7 - 8	8 - 9	12 - 13
Sample Date			6/15/2018	6/18/2018	6/18/2018	6/18/2018	6/18/2018	6/18/2018	6/18/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<11	<10	<10	<9.3	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<11	<10	<10	<9.3	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	<2.3	<2.3	<2	8.3	<1.9	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.3	<2.3	<2	<2	<1.9	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorobutanoic acid (PFBA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorodecanoic acid (PFDA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorononanoic acid (PFNA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.7	<5.7	<5.7	<5	***260***	***140***	***230***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.7	<5.7	<5.7	<5	<5.1	<4.6	<5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-201	HS-SB-201	HS-SB-202	HS-SB-202	HS-SB-202	HS-SB-203	HS-SB-203
Sample Name			HS-SB-201 (2-4)	HS-SB-201 (10-12)	HS-SB-202 (6-8)	HS-SB-202 (8-10)	HS-SB-202 (8-10) DUP	HS-SB-203 (8-10)	HS-SB-203 (16-18)
Lab Sample ID			TF08023-001	TF08023-002	TF06038-001	TF06038-002	TF06038-003	TF05014-006	TF05014-007
Depth Interval (feet)			2 - 4	10 - 12	6 - 8	8 - 10	8 - 10	8 - 10	16 - 18
Sample Date			6/7/2018	6/7/2018	6/5/2018	6/5/2018	6/5/2018	6/4/2018	6/4/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<10	<11	<9	<10	<11	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<10	<11	<9	<10	<11	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.4	<2	<2.2	<1.8	<2.1	<2.3	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.4	<2	<2.2	<1.8	<2.1	<2.3	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorobutanoic acid (PFBA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorodecanoic acid (PFDA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorononanoic acid (PFNA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.9	<5.1	***54***	***220***	***230***	***8.7***	<5
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.9	<5.1	<5.4	<4.5	<5.2	<5.7	<5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-204	HS-SB-204	HS-SB-205	HS-SB-205	HS-SB-206	HS-SB-206	HS-SB-207
Sample Name			HS-SB-204 (4-6)	HS-SB-204 (10-12)	HS-SB-205 (10-12)	HS-SB-205 (18-20)	HS-SB-206 (10-12)	HS-SB-206 (14-16)	HS-SB-207 (2-4)
Lab Sample ID			TF06038-013	TF06038-014	TF02011-001	TF02011-002	TF05014-004	TF05014-005	TF05014-001
Depth Interval (feet)			4 - 6	10 - 12	10 - 12	18 - 20	10 - 12	14 - 16	2 - 4
Sample Date			6/6/2018	6/6/2018	6/1/2018	6/1/2018	6/4/2018	6/4/2018	6/4/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<10	<9.8	<9.8	<11	<12	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<10	<9.8	<9.8	<11	<12	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<2.1	<2	<2	<2.3	<2.5	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<2.1	<2	<2	<2.3	<2.5	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorobutanoic acid (PFBA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorodecanoic acid (PFDA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorononanoic acid (PFNA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.5	<5.2	<4.9	***7.7***	<5.6	<6.1	***77***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.5	<5.2	<4.9	<4.9	<5.6	<6.1	<5.9

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-207	HS-SB-208	HS-SB-208	HS-SB-209	HS-SB-209	HS-SB-210	HS-SB-210
Sample Name			HS-SB-207 (8-10)	HS-SB-208 (0-2)	HS-SB-208 (8-10)	HS-SB-209 (4-6)	HS-SB-209 (6-8)	HS-SB-210 (4-6)	HS-SB-210 (8-10)
Lab Sample ID			TF05014-002	TF08023-008	TF08023-009	TF06038-008	TF06038-009	TF02012-001	TF02012-002
Depth Interval (feet)			8 - 10	0 - 2	8 - 10	4 - 6	6 - 8	4 - 6	8 - 10
Sample Date			6/4/2018	6/7/2018	6/7/2018	6/5/2018	6/5/2018	6/1/2018	6/1/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<11	<11	<12	<12	<11	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<11	<11	<12	<12	<11	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	2.3	<2.2	<2.4	<2.4	<2.2	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2.1	<2.2	<2.4	<2.4	<2.2	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorobutanoic acid (PFBA)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorodecanoic acid (PFDA)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	6	<5.3	24	<5.9	<5.9	<5.4	<5.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorononanoic acid (PFNA)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5	38	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***91***	***90***	***590***	<5.9	<5.9	<5.4	<5.8
Perfluorooctanoic acid (PFOA)	NA	10,000.00	6.1	<5.3	22	<5.9	<5.9	<5.4	<5.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5	<5.3	<5.4	<5.9	<5.9	<5.4	<5.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-211	HS-SB-211	HS-SB-212	HS-SB-212	HS-SB-212	HS-SB-213	HS-SB-213
Sample Name			HS-SB-211 (2-4)	HS-SB-211 (8-10)	HS-SB-212 (0-2)	HS-SB-212 (0-2) DUP	HS-SB-212 (6-8)	HS-SB-213 (6-8)	HS-SB-213 (18-20)
Lab Sample ID			TF06038-011	TF06038-012	TF08023-003	TF08023-004	TF08023-005	TF06038-004	TF06038-005
Depth Interval (feet)			2 - 4	8 - 10	0 - 2	0 - 2	6 - 8	6 - 8	18 - 20
Sample Date			6/6/2018	6/6/2018	6/7/2018	6/7/2018	6/7/2018	6/5/2018	6/5/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<12	<10	<10	<9.7	<11	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<12	<10	<10	<9.7	<11	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<2.3	<2.1	<2	<1.9	<2.1	<2.2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<2.3	<2.1	<2	<1.9	<2.1	<2.2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorobutanoic acid (PFBA)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorodecanoic acid (PFDA)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorononanoic acid (PFNA)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.6	<5.8	27	77	<4.9	<5.4	<5.4
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***6.7***	<5.8	***250***	***110***	***49***	<5.4	<5.4
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.6	<5.8	<5.1	<5	<4.9	<5.4	<5.4

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-214	HS-SB-214	HS-SB-215	HS-SB-215	HS-SB-216	HS-SB-216	HS-SB-217
Sample Name			HS-SB-214 (2-4)	HS-SB-214 (18-20)	HS-SB-215 (0-2)	HS-SB-215 (10-12)	HS-SB-216 (2-4)	HS-SB-216 (8-10)	HS-SB-217 (2-4)
Lab Sample ID			TF06038-015	TF06038-016	TF08023-006	TF08023-007	TF08023-011	TF08023-012	TF08023-015
Depth Interval (feet)			2 - 4	18 - 20	0 - 2	10 - 12	2 - 4	8 - 10	2 - 4
Sample Date			6/6/2018	6/6/2018	6/7/2018	6/7/2018	6/8/2018	6/8/2018	6/8/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<11	<9.9	<12	<11	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<11	<9.9	<12	<11	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	<2.2	<2.3	<2	<2.3	<2.1	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.2	<2.3	<2	<2.3	<2.1	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorobutanoic acid (PFBA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorodecanoic acid (PFDA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorononanoic acid (PFNA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.7	<5.4	<5.6	<5	<5.8	<5.3	<5.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-217	HS-SB-218	HS-SB-218	HS-SB-219	HS-SB-219	HS-SB-220	HS-SB-220
Sample Name			HS-SB-217 (12-14)	HS-SB-218 (2-4)	HS-SB-218 (14-16)	HS-SB-219 (4-6)	HS-SB-219 (10-12)	HS-SB-220 (2-4)	HS-SB-220 (16-18)
Lab Sample ID			TF08023-017	TF06038-006	TF06038-007	TF08023-018	TF08023-019	TF12017-004	TF12017-005
Depth Interval (feet)			12 - 14	2 - 4	14 - 16	4 - 6	10 - 12	2 - 4	16 - 18
Sample Date			6/8/2018	6/5/2018	6/5/2018	6/8/2018	6/8/2018	6/11/2018	6/11/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.3	<11	<10	<11	<11	<11	<9.9
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.3	<11	<10	<11	<11	<11	<9.9
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.9	<2.1	<2	<2.2	<2.2	<2.2	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.9	<2.1	<2	<2.2	<2.2	<2.2	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorobutanoic acid (PFBA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorodecanoic acid (PFDA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorononanoic acid (PFNA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.7	<5.3	<5	<5.4	<5.4	<5.5	<5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-221	HS-SB-221	HS-SB-222	HS-SB-222	HS-SB-223	HS-SB-223	HS-SB-224
Sample Name			HS-SB-221 (4-6)	HS-SB-221 (6-8)	HS-SB-222 (2-4)	HS-SB-222 (6-8)	HS-SB-223 (2-4)	HS-SB-223 (10-12)	HS-SB-224 (8-10)
Lab Sample ID			TF12017-006	TF12017-007	TF12017-002	TF12017-003	TF08023-013	TF08023-014	TF13021-012
Depth Interval (feet)			4 - 6	6 - 8	2 - 4	6 - 8	2 - 4	10 - 12	8 - 10
Sample Date			6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/8/2018	6/8/2018	6/12/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<11	<10	<10	<9.2	<9.7	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<11	<10	<10	<9.2	<9.7	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.4	<2.1	<2.1	<2	<1.8	<1.9	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.4	<2.1	<2.1	<2	<1.8	<1.9	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorobutanoic acid (PFBA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorodecanoic acid (PFDA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorononanoic acid (PFNA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.9	<5.3	<5.2	<5.1	<4.6	<4.8	<5.3

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-224	HS-SB-225	HS-SB-225	HS-SB-405	HS-SB-405	HS-SB-424	HS-SB-424
Sample Name			HS-SB-224 (10-12)	HS-SB-225 (2-4)	HS-SB-225 (18-20)	HS-SB-405 (8-9)	HS-SB-405 (14-15)	HS-SB-424 (0-1)	HS-SB-424 (6-7)
Lab Sample ID			TF13021-013	TF12017-008	TF12017-009	TH01012-015	TH01012-016	TH10017-008	TH10017-009
Depth Interval (feet)			10 - 12	2 - 4	18 - 20	8 - 9	14 - 15	0 - 1	6 - 7
Sample Date			6/12/2018	6/11/2018	6/11/2018	7/31/2018	7/31/2018	8/8/2018	8/8/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<10	<10	<9.4	<9.3	<8.9
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<10	<10	<9.4	<9.3	<8.9
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<2.2	<2.1	<2	<1.9	<1.9	<1.8
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<2.2	<2.1	<2	<1.9	<1.9	<1.8
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorobutanoic acid (PFBA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorodecanoic acid (PFDA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorononanoic acid (PFNA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.4	<5.5	<5.2	***20***	***8.9***	***9.8***	***5.5***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.4	<5.5	<5.2	<5	<4.7	<4.7	<4.4

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-424	HS-SB-501	HS-SB-501	HS-SB-504	HS-SB-504	HS-SB-505	HS-SB-505
Sample Name			HS-SB-424 (17-18)	HS-SB-501 (7-8)	HS-SB-501 (11-12)	HS-SB-504 (0-1)	HS-SB-504 (9-10)	HS-SB-505 (3-4)	HS-SB-505 (9-10)
Lab Sample ID			TH10017-010	TH16010-002	TH16010-003	TH16010-004	TH16010-005	TH16010-006	TH16010-007
Depth Interval (feet)			17 - 18	7 - 8	11 - 12	0 - 1	9 - 10	3 - 4	9 - 10
Sample Date			8/8/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<11	<11	<11	<10	<12	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<11	<11	<11	<10	<12	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.5	<2.2	<2.2	<2.2	<2	<2.3	<2.4
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.5	<2.2	<2.2	<2.2	<2	<2.3	<2.4
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorobutanoic acid (PFBA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorodecanoic acid (PFDA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorododecanoic acid (PFDoDA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluoroheptanoic acid (PFHpA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorohexanoic acid (PFHxA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorononanoic acid (PFNA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorooctane sulfonamide (FOSA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<6.2	<5.5	***70***	<5.5	<5	<5.8	<6
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluoropentanoic acid (PFPeA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluorononane sulfonic acid (PFNS)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<6.2	<5.5	<5.6	<5.5	<5	<5.8	<6

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-507	HS-SB-507	HS-SB-507	HS-SB-540	HS-SB-540	HS-SB-542	HS-SB-542
Sample Name			HS-SB-507 (1-2)	HS-SB-507 (1-2) DUP	HS-SB-507 (9-10)	HS-SB-540 (3-4)	HS-SB-540 (12-13)	HS-SB-542 (8-9)	HS-SB-542 (12-13)
Lab Sample ID			TH14001-026	TH14001-027	TH14001-028	TH28007-005	TH28007-006	TH28007-013	TH28007-014
Depth Interval (feet)			1 - 2	1 - 2	9 - 10	3 - 4	12 - 13	8 - 9	12 - 13
Sample Date			8/16/2018	8/16/2018	8/16/2018	8/27/2018	8/27/2018	8/27/2018	8/27/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<10	<11	<11	<12	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<10	<11	<11	<12	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<2.2	<2	<2.2	<2.2	<2.3	<2.4
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<2.2	<2	<2.2	<2.2	<2.3	<2.4
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorobutanoic acid (PFBA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorodecanoic acid (PFDA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorononanoic acid (PFNA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.6	<5.6	<5.1	***6.1***	<5.5	<5.8	<6.1
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.6	<5.6	<5.1	<5.4	<5.5	<5.8	<6.1

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-542	HS-SB-543	HS-SB-543	HS-SB-543	HS-SB-545	HS-SB-545	HS-SB-T2-002
Sample Name			HS-SB-542 (16-17)	HS-SB-543 (8-9)	HS-SB-543 (13-14)	HS-SB-543 (16-17)	HS-SB-545 (8-9)	HS-SB-545 (12-13)	HS-SB-T2-002 (9-10)
Lab Sample ID			TH29013-011	TH29013-004	TH29013-005	TH29013-006	TH29013-021	TH29013-022	TF26023-005
Depth Interval (feet)			16 - 17	8 - 9	13 - 14	16 - 17	8 - 9	12 - 13	9 - 10
Sample Date			8/28/2018	8/28/2018	8/28/2018	8/28/2018	8/29/2018	8/29/2018	6/25/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<11	<11	<9.7	<11	<10	<9.5
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<11	<11	<9.7	<11	<10	<9.5
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2.2	<2.1	<1.9	<2.2	<2.1	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2.2	<2.1	<1.9	<2.2	<2.1	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorobutanoic acid (PFBA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorodecanoic acid (PFDA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorononanoic acid (PFNA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5	<5.4	<5.4	<4.9	<5.5	<5.2	<4.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T2-002	HS-SB-T2-003	HS-SB-T2-003	HS-SB-T2-004	HS-SB-T2-004	HS-SB-T2-010	HS-SB-T2-010
Sample Name			HS-SB-T2-002 (12-13)	HS-SB-T2-003 (9-10)	HS-SB-T2-003 (13-14)	HS-SB-T2-004 (9-10)	HS-SB-T2-004 (13-14)	HS-SB-T2-010 (9-10)	HS-SB-T2-010 (13-14)
Lab Sample ID			TF26023-006	TF26023-007	TF26023-008	TF26023-013	TF26023-014	TF26023-017	TF26023-018
Depth Interval (feet)			12 - 13	9 - 10	13 - 14	9 - 10	13 - 14	9 - 10	13 - 14
Sample Date			6/25/2018	6/25/2018	6/25/2018	6/26/2018	6/26/2018	6/26/2018	6/26/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<13	<11	<10	<9	<11	<9.2	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<13	<11	<10	<9	<11	<9.2	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.6	<2.2	<2	<1.8	<2.1	<1.8	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.6	<2.2	<2	<1.8	<2.1	<1.8	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorobutanoic acid (PFBA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorodecanoic acid (PFDA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorododecanoic acid (PFDoDA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	5.3
Perfluoroheptanoic acid (PFHpA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	13
Perfluorohexanoic acid (PFHxA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorononanoic acid (PFNA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorooctane sulfonamide (FOSA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<6.5	<5.4	<5.1	<4.5	<5.3	***24***	***8.3***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	22
Perfluoropentanoic acid (PFPeA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluorononane sulfonic acid (PFNS)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<6.5	<5.4	<5.1	<4.5	<5.3	<4.6	<5.1

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T2-011	HS-SB-T2-011	HS-SB-T2-012	HS-SB-T2-012	HS-SB-T2-012	HS-SB-T2-017	HS-SB-T2-017
Sample Name			HS-SB-T2-011 (9-10)	HS-SB-T2-011 (13-14)	HS-SB-T2-012 (4-5)	HS-SB-T2-012 (9-10)	HS-SB-T2-012 (13-14)	HS-SB-T2-017 (9-10)	HS-SB-T2-017 (13-14)
Lab Sample ID			TF26023-015	TF26023-016	TF26023-011	TF26023-010	TF26023-012	TF30014-007	TF30014-008
Depth Interval (feet)			9 - 10	13 - 14	4 - 5	9 - 10	13 - 14	9 - 10	13 - 14
Sample Date			6/26/2018	6/26/2018	6/26/2018	6/26/2018	6/26/2018	6/29/2018	6/29/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<9.8	<10	<9	<9	<10	<9
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<9.8	<10	<9	<9	<10	<9
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<2	<2	<1.8	<1.8	<2.1	<1.8
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2	<2	<1.8	<1.8	<2.1	<1.8
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorobutanoic acid (PFBA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorodecanoic acid (PFDA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorononanoic acid (PFNA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***14***	***8.2***	***15***	***15***	<4.5	<5.1	<4.5
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.2	<4.9	<5	<4.5	<4.5	<5.1	<4.5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T2-017	HS-SB-T2-018	HS-SB-T2-018	HS-SB-T2-018	HS-SB-T2-019	HS-SB-T2-019	HS-SB-T2-020
Sample Name			HS-SB-T2-017 (17-18)	HS-SB-T2-018 (9-10)	HS-SB-T2-018 (13-14)	HS-SB-T2-018 (17-18)	HS-SB-T2-019 (13-14)	HS-SB-T2-019 (17-18)	HS-SB-T2-020 (12-13)
Lab Sample ID			TF30014-009	TF30014-001	TF30014-002	TF30014-003	TF30014-014	TF30014-015	TF30014-004
Depth Interval (feet)			17 - 18	9 - 10	13 - 14	17 - 18	13 - 14	17 - 18	12 - 13
Sample Date			6/29/2018	6/29/2018	6/29/2018	6/29/2018	6/28/2018	6/28/2018	6/29/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<10	<9.8	<9	<9.3	<9.5	<9.3
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<10	<9.8	<9	<9.3	<9.5	<9.3
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	<2.1	<2	<1.8	<1.9	<1.9	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.1	<2	<1.8	<1.9	<1.9	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorobutanoic acid (PFBA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorodecanoic acid (PFDA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorononanoic acid (PFNA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.8	<5.2	<4.9	<4.5	<4.6	<4.7	<4.6

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T2-020	HS-SB-T2-020	HS-SB-T2-021	HS-SB-T2-021	HS-SB-T2-021	HS-SB-T2-022	HS-SB-T2-022
Sample Name			HS-SB-T2-020 (17-18)	HS-SB-T2-020 (19-20)	HS-SB-T2-021 (11-12)	HS-SB-T2-021 (17-18)	HS-SB-T2-021 (19-20)	HS-SB-T2-022 (12-13)	HS-SB-T2-022 (12-13) DUP
Lab Sample ID			TF30014-005	TF30014-006	TF30014-016	TF30014-017	TF30014-018	TF30014-019	TF30014-020
Depth Interval (feet)			17 - 18	19 - 20	11 - 12	17 - 18	19 - 20	12 - 13	12 - 13
Sample Date			6/29/2018	6/29/2018	6/29/2018	6/29/2018	6/29/2018	6/29/2018	6/29/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<9.6	<10	<11	<10	<9.6
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<9.6	<10	<11	<10	<9.6
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<2.1	<1.9	<2	<2.1	<2	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2.1	<1.9	<2	<2.1	<2	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorobutanoic acid (PFBA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorodecanoic acid (PFDA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorononanoic acid (PFNA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.3	<5.4	<4.8	<5	***170***	***51***	***37***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.3	<5.4	<4.8	<5	<5.4	<5.1	<4.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T2-022	HS-SB-T2-022	HS-SB-T3-009	HS-SB-T3-009	HS-SB-T3-009	HS-SB-T3-014	HS-SB-T3-014
Sample Name			HS-SB-T2-022 (17-18)	HS-SB-T2-022 (19-20)	HS-SB-T3-009 (2-3)	HS-SB-T3-009 (8-9)	HS-SB-T3-009 (17-18)	HS-SB-T3-014 (5-6)	HS-SB-T3-014 (7-8)
Lab Sample ID			TF30014-021	TF30014-022	TG07026-002	TG07026-003	TG07026-004	TG07026-005	TG07026-006
Depth Interval (feet)			17 - 18	19 - 20	2 - 3	8 - 9	17 - 18	5 - 6	7 - 8
Sample Date			6/29/2018	6/29/2018	7/6/2018	7/6/2018	7/6/2018	7/6/2018	7/6/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<12	<9.3	<11	<10	<8.7	<9.8
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<12	<9.3	<11	<10	<8.7	<9.8
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	<2.4	<1.9	<2.2	<2.1	<1.7	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.4	<1.9	<2.2	<2.1	<1.7	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorobutanoic acid (PFBA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorodecanoic acid (PFDA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorononanoic acid (PFNA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***21***	***18***	<4.7	<5.6	***14***	<4.3	***29***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.7	<5.9	<4.7	<5.6	<5.2	<4.3	<4.9

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T3-014	HS-SB-T3-022	HS-SB-T3-022	HS-SB-T3-022	HS-SB-T3-022	HS-SB-T3-026	HS-SB-T3-026
Sample Name			HS-SB-T3-014 (11-12)	HS-SB-T3-022 (1-2)	HS-SB-T3-022 (1-2) DUP	HS-SB-T3-022 (8-9)	HS-SB-T3-022 (11-12)	HS-SB-T3-026 (4-5)	HS-SB-T3-026 (9-10)
Lab Sample ID			TG07026-007	TG10002-005	TG10002-006	TG10002-007	TG10002-008	TG12001-015	TG12001-016
Depth Interval (feet)			11 - 12	1 - 2	1 - 2	8 - 9	11 - 12	4 - 5	9 - 10
Sample Date			7/6/2018	7/9/2018	7/9/2018	7/9/2018	7/9/2018	7/11/2018	7/11/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.2	<10	<9.9	<10	<9.5	<11	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.2	<10	<9.9	<10	<9.5	<11	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.8	<2	<2	<2	<1.9	<2.1	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.8	<2	<2	<2	<1.9	<2.1	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorobutanoic acid (PFBA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorodecanoic acid (PFDA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorononanoic acid (PFNA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***63***	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.6	<5	<4.9	<5	<4.7	<5.3	<5.3

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T3-026	HS-SB-T4-004	HS-SB-T4-004	HS-SB-T4-004	HS-SB-T4-005	HS-SB-T4-005	HS-SB-T4-005
Sample Name			HS-SB-T3-026 (12-13)	HS-SB-T4-004 (3-4)	HS-SB-T4-004 (7-8)	HS-SB-T4-004 (16-17)	HS-SB-T4-005(8-9)	HS-SB-T4-005(11-12)	HS-SB-T4-005(13-14)
Lab Sample ID			TG12001-017	TG10002-002	TG10002-003	TG10002-004	TG13027-002	TG13027-003	TG13027-004
Depth Interval (feet)			12 - 13	3 - 4	7 - 8	16 - 17	8 - 9	11 - 12	13 - 14
Sample Date			7/11/2018	7/9/2018	7/9/2018	7/9/2018	7/12/2018	7/12/2018	7/12/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<8.6	<9.3	<9.9	<8.7	<12	<9.7	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<8.6	<9.3	<9.9	<8.7	<12	<9.7	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.7	<1.9	<2	<1.7	<2.3	<1.9	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.7	<1.9	<2	<1.7	<2.3	<1.9	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorobutanoic acid (PFBA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorodecanoic acid (PFDA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorononanoic acid (PFNA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.3	<4.7	***15***	<4.4	<5.8	<4.8	<5.8
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.3	<4.7	<4.9	<4.4	<5.8	<4.8	<5.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T4-006	HS-SB-T4-006	HS-SB-T4-006	HS-SB-T4-007	HS-SB-T4-007	HS-SB-T4-007	HS-SB-T4-009
Sample Name			HS-SB-T4-006(7-8)	HS-SB-T4-006(11-12)	HS-SB-T4-006(13-14)	HS-SB-T4-007(7-8)	HS-SB-T4-007(11-12)	HS-SB-T4-007(13-14)	TB-SB-T4-009 (7-8)
Lab Sample ID			TG13027-005	TG13027-006	TG13027-007	TG13027-013	TG13027-014	TG13027-015	TG14040-005
Depth Interval (feet)			7 - 8	11 - 12	13 - 14	7 - 8	11 - 12	13 - 14	7 - 8
Sample Date			7/12/2018	7/12/2018	7/12/2018	7/12/2018	7/12/2018	7/12/2018	7/13/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<11	<9.9	<11	<12	<9.3	<9.6
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<11	<9.9	<11	<12	<9.3	<9.6
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	<2.1	<2	<2.2	<2.4	<1.9	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.1	<2	<2.2	<2.4	<1.9	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorobutanoic acid (PFBA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorodecanoic acid (PFDA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorononanoic acid (PFNA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.8	***39***	***28***	<5.4	<6	<4.7	<4.8
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.8	<5.3	<5	<5.4	<6	<4.7	<4.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T4-009	HS-SB-T4-009	HS-SB-T4-011	HS-SB-T4-011	HS-SB-T4-011	HS-SB-T4-012	HS-SB-T4-012
Sample Name			TB-SB-T4-009 (11-12)	TB-SB-T4-009 (18-19)	HS-SB-T4-011 (2-3)	HS-SB-T4-011 (7-8)	HS-SB-T4-011 (9-10)	HS-SB-T4-012 (5-6)	HS-SB-T4-012 (8-9)
Lab Sample ID			TG14040-006	TG14040-007	TG17022-005	TG17022-006	TG17022-007	TG17022-012	TG17022-013
Depth Interval (feet)			11 - 12	18 - 19	2 - 3	7 - 8	9 - 10	5 - 6	8 - 9
Sample Date			7/13/2018	7/13/2018	7/16/2018	7/16/2018	7/16/2018	7/16/2018	7/16/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.7	<12	<9.6	<10	<9.4	<10	<9.6
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.7	<12	<9.6	<10	<9.4	<10	<9.6
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.9	<2.4	<1.9	<2.1	<1.9	<2	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.9	<2.4	<1.9	<2.1	<1.9	<2	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorobutanoic acid (PFBA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorodecanoic acid (PFDA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorononanoic acid (PFNA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.8	<6.1	<4.8	***8.9***	***41***	<5.1	***5.2***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.8	<6.1	<4.8	<5.2	<4.7	<5.1	<4.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T4-012	HS-SB-T4-013	HS-SB-T4-013	HS-SB-T4-013	HS-SB-T4-014	HS-SB-T4-014	HS-SB-T4-015
Sample Name			HS-SB-T4-012 (16-17)	HS-SB-T4-013 (2-3)	HS-SB-T4-013 (9-10)	HS-SB-T4-013 (16-17)	HS-SB-T4-014 (3-4)	HS-SB-T4-014 (16-17)	HS-SB-T4-015 (3-4)
Lab Sample ID			TG17022-014	TG18010-002	TG18010-003	TG18010-004	TG18010-007	TG18010-008	TG18010-011
Depth Interval (feet)			16 - 17	2 - 3	9 - 10	16 - 17	3 - 4	16 - 17	3 - 4
Sample Date			7/16/2018	7/17/2018	7/17/2018	7/17/2018	7/17/2018	7/17/2018	7/17/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<8.2	<10	<10	<11	<11	<10	<9.8
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<8.2	<10	<10	<11	<11	<10	<9.8
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.6	<2	<2.1	<2.1	<2.3	<2.1	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.6	<2	<2.1	<2.1	<2.3	<2.1	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorobutanoic acid (PFBA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorodecanoic acid (PFDA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorononanoic acid (PFNA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.1	<5.1	<5.2	<5.4	<5.7	***18***	<4.9
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.1	<5.1	<5.2	<5.4	<5.7	<5.2	<4.9

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T4-015	HS-SB-T4-016	HS-SB-T4-016	HS-SB-T5-001	HS-SB-T5-001	HS-SB-T5-001	HS-SB-T5-005
Sample Name			HS-SB-T4-015 (9-10)	HS-SB-T4-016 (3-4)	HS-SB-T4-016 (8-9)	HS-SB-T5-001 (2-3)	HS-SB-T5-001 (11-12)	HS-SB-T5-001 (12-13)	HS-SB-T5-005 (1-2)
Lab Sample ID			TG18010-012	TG18010-016	TG18010-017	TG12001-002	TG12001-003	TG12001-004	TG12001-005
Depth Interval (feet)			9 - 10	3 - 4	8 - 9	2 - 3	11 - 12	12 - 13	1 - 2
Sample Date			7/17/2018	7/18/2018	7/18/2018	7/10/2018	7/10/2018	7/10/2018	7/10/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<10	<12	<11	<9.9	<10	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<10	<12	<11	<9.9	<10	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<2.1	<2.3	<2.2	<2	<2.1	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2.1	<2.3	<2.2	<2	<2.1	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorobutanoic acid (PFBA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorodecanoic acid (PFDA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorononanoic acid (PFNA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.2	<5.2	<5.8	***6.5***	***12***	***50***	<5.1
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.2	<5.2	<5.8	<5.4	<4.9	<5.1	<5.1

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T5-005	HS-SB-T5-005	HS-SB-T5-006	HS-SB-T5-006	HS-SB-T5-006	HS-SB-T5-007	HS-SB-T5-007
Sample Name			HS-SB-T5-005 (7-8)	HS-SB-T5-005 (19-20)	HS-SB-T5-006 (2-3)	HS-SB-T5-006 (11-12)	HS-SB-T5-006 (14-15)	HS-SB-T5-007 (4-5)	HS-SB-T5-007 (8-9)
Lab Sample ID			TG12001-006	TG12001-007	TG12001-008	TG12001-009	TG12001-010	TG12001-012	TG12001-013
Depth Interval (feet)			7 - 8	19 - 20	2 - 3	11 - 12	14 - 15	4 - 5	8 - 9
Sample Date			7/10/2018	7/10/2018	7/11/2018	7/11/2018	7/11/2018	7/11/2018	7/11/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<9.8	<10	<11	<10	<9.9	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<9.8	<10	<11	<10	<9.9	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2	<2	<2.1	<2	<2	<2.2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2	<2	<2.1	<2	<2	<2.2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorobutanoic acid (PFBA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorodecanoic acid (PFDA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorohexanoic acid (PFHxA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorononanoic acid (PFNA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***67***	***110***	<5	<5.3	<5	<5	<5.5
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5	5.3	<5	<5.3	<5	<5	<5.5
Perfluoropentanoic acid (PFPeA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5	<4.9	<5	<5.3	<5	<5	<5.5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T5-007	HS-SB-T5-010	HS-SB-T5-010	HS-SB-T5-010	HS-SB-T5-010	HS-SB-T5-012	HS-SB-T5-012
Sample Name			HS-SB-T5-007 (11-12)	HS-SB-T5-010(2-3)	HS-SB-T5-010(2-3)DUP	HS-SB-T5-010(12-13)	HS-SB-T5-010(13-14)	HS-SB-T5-012 (4-5)	HS-SB-T5-012 (7-8)
Lab Sample ID			TG12001-014	TG13027-011	TG13027-012	TG13027-010	TG13027-009	TG14040-002	TG14040-003
Depth Interval (feet)			11 - 12	2 - 3	2 - 3	12 - 13	13 - 14	4 - 5	7 - 8
Sample Date			7/11/2018	7/12/2018	7/12/2018	7/12/2018	7/12/2018	7/13/2018	7/13/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.4	<10	<10	<10	<11	<11	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.4	<10	<10	<10	<11	<11	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.9	<2.1	<2	<2	<2.1	<2.2	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.9	<2.1	<2	<2	<2.1	<2.2	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorobutanoic acid (PFBA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorodecanoic acid (PFDA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorononanoic acid (PFNA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.7	<5.1	<5.1	<5	***9.6***	<5.5	<5.2
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.7	<5.1	<5.1	<5	<5.3	<5.5	<5.2

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T5-012	HS-SB-T5-013	HS-SB-T5-013	HS-SB-T5-013	HS-SB-T5-014	HS-SB-T5-014	HS-SB-T5-014
Sample Name			HS-SB-T5-012 (19-20)	HS-SB-T5-013 (4-5)	HS-SB-T5-013 (7-8)	HS-SB-T5-013 (19-20)	HS-SB-T5-014 (3-4)	HS-SB-T5-014 (9-10)	HS-SB-T5-014 (16-17)
Lab Sample ID			TG14040-004	TG17022-002	TG17022-003	TG17022-004	TG17022-008	TG17022-009	TG17022-010
Depth Interval (feet)			19 - 20	4 - 5	7 - 8	19 - 20	3 - 4	9 - 10	16 - 17
Sample Date			7/13/2018	7/16/2018	7/16/2018	7/16/2018	7/16/2018	7/16/2018	7/16/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.6	<9.5	<11	<11	<9.6	<10	<9.7
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.6	<9.5	<11	<11	<9.6	<10	<9.7
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.9	<1.9	<2.2	<2.2	<1.9	<2.1	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.9	<1.9	<2.2	<2.2	<1.9	<2.1	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorobutanoic acid (PFBA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorodecanoic acid (PFDA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorononanoic acid (PFNA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.8	<4.7	<5.4	<5.6	<4.8	<5.2	<4.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T5-015	HS-SB-T5-015	HS-SB-T5-015	HS-SB-T5-015	HS-SB-T5-016	HS-SB-T5-016	HS-SB-T5-017
Sample Name			HS-SB-T5-015 (1-2)	HS-SB-T5-015 (9-10)	HS-SB-T5-015 (9-10) DUP	HS-SB-T5-015 (14-15)	HS-SB-T5-016 (8-9)	HS-SB-T5-016 (14-15)	HS-SB-T5-017 (4-5)
Lab Sample ID			TG17022-015	TG17022-016	TG17022-017	TG17022-018	TG18010-005	TG18010-006	TG18010-009
Depth Interval (feet)			1 - 2	9 - 10	9 - 10	14 - 15	8 - 9	14 - 15	4 - 5
Sample Date			7/16/2018	7/16/2018	7/16/2018	7/16/2018	7/17/2018	7/17/2018	7/17/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<8.6	<10	<9.3	<9.1	<11	<8.7	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<8.6	<10	<9.3	<9.1	<11	<8.7	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.7	<2	<1.9	<1.8	<2.1	<1.7	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.7	<2	<1.9	<1.8	<2.1	<1.7	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorobutanoic acid (PFBA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorodecanoic acid (PFDA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorononanoic acid (PFNA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.3	<5.1	<4.7	<4.6	<5.3	<4.4	<5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T5-017	HS-SB-T5-018	HS-SB-T5-018	HS-SB-T6-001	HS-SB-T6-001	HS-SB-T6-001	HS-SB-T6-002
Sample Name			HS-SB-T5-017 (7-8)	HS-SB-T5-018 (6-7)	HS-SB-T5-018 (8-9)	HS-SB-T6-001 (7-8)	HS-SB-T6-001 (15-16)	HS-SB-T6-001 (17-18)	HS-SB-T6-002 (7-8)
Lab Sample ID			TG18010-010	TG18010-014	TG18010-015	TG24012-002	TG24012-003	TG24012-004	TG20008-012
Depth Interval (feet)			7 - 8	6 - 7	8 - 9	7 - 8	15 - 16	17 - 18	7 - 8
Sample Date			7/17/2018	7/18/2018	7/18/2018	7/23/2018	7/23/2018	7/23/2018	7/20/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<12	<11	<11	<12	<11	<9.5
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<12	<11	<11	<12	<11	<9.5
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	<2.3	<2.2	<2.1	<2.4	<2.2	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.3	<2.2	<2.1	<2.4	<2.2	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorobutanoic acid (PFBA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorodecanoic acid (PFDA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorononanoic acid (PFNA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.8	<5.9	<5.5	<5.3	<6	<5.5	***9.7***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.8	<5.9	<5.5	<5.3	<6	<5.5	<4.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-002	HS-SB-T6-004	HS-SB-T6-004	HS-SB-T6-005	HS-SB-T6-005	HS-SB-T6-005	HS-SB-T6-006
Sample Name			HS-SB-T6-002 (10-11)	HS-SB-T6-004 (3-4)	HS-SB-T6-004 (16-17)	HS-SB-T6-005 (3-4)	HS-SB-T6-005 (3-4) DUP	HS-SB-T6-005 (16-17)	HS-SB-T6-006 (3-4)
Lab Sample ID			TG20008-013	TG20008-005	TG20008-006	TG20008-002	TG20008-003	TG20008-004	TG18010-018
Depth Interval (feet)			10 - 11	3 - 4	16 - 17	3 - 4	3 - 4	16 - 17	3 - 4
Sample Date			7/20/2018	7/19/2018	7/19/2018	7/19/2018	7/19/2018	7/19/2018	7/18/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<10	<9.9	<9.4	<9.7	<9.2	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<10	<9.9	<9.4	<9.7	<9.2	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2.1	<2	<1.9	<1.9	<1.8	<2.2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2.1	<2	<1.9	<1.9	<1.8	<2.2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorobutanoic acid (PFBA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorodecanoic acid (PFDA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorohexanoic acid (PFHxA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorononanoic acid (PFNA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluoropentanoic acid (PFPeA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5	<5.2	<4.9	<4.7	<4.8	<4.6	<5.4

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-006	HS-SB-T6-007	HS-SB-T6-007	HS-SB-T6-010	HS-SB-T6-010	HS-SB-T6-011	HS-SB-T6-011
Sample Name			HS-SB-T6-006 (15-16)	HS-SB-T6-007 (3-4)	HS-SB-T6-007 (8-9)	HS-SB-T6-010 (9-10)	HS-SB-T6-010 (16-17)	HS-SB-T6-011 (8-9)	HS-SB-T6-011 (17-18)
Lab Sample ID			TG18010-019	TG18010-020	TG18010-021	TG20008-007	TG20008-008	TG20008-010	TG20008-011
Depth Interval (feet)			15 - 16	3 - 4	8 - 9	9 - 10	16 - 17	8 - 9	17 - 18
Sample Date			7/18/2018	7/18/2018	7/18/2018	7/19/2018	7/19/2018	7/20/2018	7/20/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.9	<11	<9.5	<12	<10	<11	<8.5
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.9	<11	<9.5	<12	<10	<11	<8.5
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2.3	<1.9	<2.4	<2.1	<2.1	<1.7
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2.3	<1.9	<2.4	<2.1	<2.1	<1.7
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorobutanoic acid (PFBA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorodecanoic acid (PFDA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorononanoic acid (PFNA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.9	***12***	<4.8	<5.9	***16***	<5.3	<4.3
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.9	<5.7	<4.8	<5.9	<5.1	<5.3	<4.3

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-012	HS-SB-T6-012	HS-SB-T6-015	HS-SB-T6-015	HS-SB-T6-017	HS-SB-T6-017	HS-SB-T6-017
Sample Name			HS-SB-T6-012 (9-10)	HS-SB-T6-012 (17-18)	HS-SB-T6-015 (7-8)	HS-SB-T6-015 (11-12)	HS-SB-T6-017 (2-3)	HS-SB-T6-017 (2-3) DUP	HS-SB-T6-017 (4-5)
Lab Sample ID			TG20008-014	TG20008-015	TG24012-008	TG24012-009	TG24012-005	TG24012-006	TG24012-007
Depth Interval (feet)			9 - 10	17 - 18	7 - 8	11 - 12	2 - 3	2 - 3	4 - 5
Sample Date			7/20/2018	7/20/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<9.7	<9	<9.4	<11	<11	<9.7
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<9.7	<9	<9.4	<11	<11	<9.7
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<1.9	<1.8	<1.9	<2.2	<2.2	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<1.9	<1.8	<1.9	<2.2	<2.2	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorobutanoic acid (PFBA)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorodecanoic acid (PFDA)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorononanoic acid (PFNA)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.6	<4.8	4.9	<4.7	<5.6	<5.4	<4.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***31***	<4.8	<4.5	***19***	<5.6	<5.4	<4.8
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.6	<4.8	<4.5	<4.7	<5.6	<5.4	<4.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-018	HS-SB-T6-018	HS-SB-T6-021	HS-SB-T6-021	HS-SB-T6-023	HS-SB-T6-023	HS-SB-T6-024
Sample Name			HS-SB-T6-018 (3-4)	HS-SB-T6-018 (8-9)	HS-SB-T6-021 (9-10)	HS-SB-T6-021 (13-14)	HS-SB-T6-023 (12-13)	HS-SB-T6-023 (17-18)	HS-SB-T6-024 (7-8)
Lab Sample ID			TG24012-010	TG24012-011	TG24012-012	TG24012-013	TG24012-014	TG24012-015	TG26006-002
Depth Interval (feet)			3 - 4	8 - 9	9 - 10	13 - 14	12 - 13	17 - 18	7 - 8
Sample Date			7/24/2018	7/24/2018	7/24/2018	7/24/2018	7/24/2018	7/24/2018	7/25/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<11	<9.7	<9	<8.3	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<11	<9.7	<9	<8.3	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	<2.2	<2.2	<1.9	<1.8	<1.7	<2.2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.2	<2.2	<1.9	<1.8	<1.7	<2.2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorobutanoic acid (PFBA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorodecanoic acid (PFDA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorononanoic acid (PFNA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.7	<5.4	***18***	***9.5***	<4.5	***5.9***	***12***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.7	<5.4	<5.5	<4.9	<4.5	<4.2	<5.4

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-024	HS-SB-T6-024	HS-SB-T6-024	HS-SB-T6-025	HS-SB-T6-025	HS-SB-T6-026	HS-SB-T6-026
Sample Name			HS-SB-T6-024 (7-8) DUP	HS-SB-T6-024 (13-14)	HS-SB-T6-024 (17-18)	HS-SB-T6-025 (7-8)	HS-SB-76-025 (11-12)	HS-SB-T6-026 (8-9)	HS-SB-T6-026 (14-15)
Lab Sample ID			TG26006-003	TG26006-005	TG26006-004	TG24012-016	TG24012-017	TG26006-006	TG26006-007
Depth Interval (feet)			7 - 8	13 - 14	17 - 18	7 - 8	11 - 12	8 - 9	14 - 15
Sample Date			7/25/2018	7/25/2018	7/25/2018	7/25/2018	7/25/2018	7/25/2018	7/25/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<9.9	<10	<11	<9	<9.1	<9.5
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<9.9	<10	<11	<9	<9.1	<9.5
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<2	<2.1	<2.2	<1.8	<1.8	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2	<2.1	<2.2	<1.8	<1.8	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluorobutanoic acid (PFBA)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluorodecanoic acid (PFDA)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluorononanoic acid (PFNA)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.3	<5	<5.2	61	<4.5	<4.5	<4.7
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***18***	<5	***11***	***430***	***61***	<4.5	<4.7
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.3	<5	<5.2	14	<4.5	<4.5	<4.7
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.3	<5	<5.2	5.4	<4.5	<4.5	<4.7
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.3	<5	<5.2	<5.4	<4.5	<4.5	<4.7

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-028	HS-SB-T6-028	HS-SB-T6-029	HS-SB-T6-029	HS-SB-T6-030	HS-SB-T6-030	HS-SB-T6-031
Sample Name			HS-SB-T6-028 (7-8)	HS-SB-T6-028 (12-13)	HS-SB-T6-029 (7-8)	HS-SB-T6-029 (12-13)	HS-SB-T6-030 (9-10)	HS-SB-T6-030 (12-13)	HS-SB-T6-031 (5-6)
Lab Sample ID			TG26006-008	TG26006-009	TG27012-004	TG27012-005	TG27012-002	TG27012-003	TG27012-008
Depth Interval (feet)			7 - 8	12 - 13	7 - 8	12 - 13	9 - 10	12 - 13	5 - 6
Sample Date			7/25/2018	7/25/2018	7/26/2018	7/26/2018	7/26/2018	7/26/2018	7/26/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<8.6	<9.4	<9.5	<9.8	<11	<11	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<8.6	<9.4	<9.5	<9.8	<11	<11	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.7	<1.9	<1.9	<2	<2.3	<2.1	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.7	<1.9	<1.9	<2	<2.3	<2.1	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorobutanoic acid (PFBA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorodecanoic acid (PFDA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorononanoic acid (PFNA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.3	<4.7	<4.8	<4.9	<5.7	***7.3***	<5.7
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.3	<4.7	<4.8	<4.9	<5.7	<5.3	<5.7

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-031	HS-SB-T6-032	HS-SB-T6-032	HS-SB-T6-033	HS-SB-T6-033	HS-SB-T6-034	HS-SB-T6-034
Sample Name			HS-SB-T6-031 (9-10)	HS-SB-T6-032 (7-8)	HS-SB-T6-032 (10-11)	HS-SB-T6-033 (8-9)	HS-SB-T6-033 (10-11)	HS-SB-T6-034 (1-2)	HS-SB-T6-034 (14-15)
Lab Sample ID			TG27012-009	TG27012-006	TG27012-007	TG27012-011	TG27012-012	TG27012-013	TG27012-014
Depth Interval (feet)			9 - 10	7 - 8	10 - 11	8 - 9	10 - 11	1 - 2	14 - 15
Sample Date			7/26/2018	7/26/2018	7/26/2018	7/27/2018	7/27/2018	7/27/2018	7/27/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<10	<9.8	<10	<11	<52	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<10	<9.8	<10	<11	<52	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<2.1	<2	<2	<2.3	<10	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<2.1	<2	<2	<2.3	<10	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorobutanoic acid (PFBA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorodecanoic acid (PFDA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorononanoic acid (PFNA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	51	<5.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***34***	***19***	***25***	***26***	***6.1***	***1,700***	***27***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.5	<5.2	<4.9	<5	<5.7	<26	<5.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-039	HS-SB-T6-039	HS-SB-T6-039	HS-SB-T6-040	HS-SB-T6-040	HS-SB-T6-044	HS-SB-T6-044
Sample Name			HS-SB-T6-039 (3-4)	HS-SB-T6-039 (11-12)	HS-SB-T6-039 (16-17)	HS-SB-T6-040 (3-4)	HS-SB-T6-040 (11-12)	HS-SB-T6-044 (5-6)	HS-SB-T6-044 (8-9)
Lab Sample ID			TH01012-004	TH01012-003	TH01012-002	TH01012-005	TH01012-006	TH01012-013	TH01012-014
Depth Interval (feet)			3 - 4	11 - 12	16 - 17	3 - 4	11 - 12	5 - 6	8 - 9
Sample Date			7/30/2018	7/30/2018	7/30/2018	7/30/2018	7/30/2018	7/31/2018	7/31/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<13	<9.5	<10	<10	<9.3	<10	<9.9
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<13	<9.5	<10	<10	<9.3	<10	<9.9
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.5	<1.9	<2.1	<2	<1.9	<2	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.5	<1.9	<2.1	<2	<1.9	<2	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorobutanoic acid (PFBA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorodecanoic acid (PFDA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorohexanoic acid (PFHxA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorononanoic acid (PFNA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***69***	***29***	***35***	<5	<4.7	<5	<5
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluoropentanoic acid (PFPeA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<6.3	<4.7	<5.2	<5	<4.7	<5	<5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-046	HS-SB-T6-046	HS-SB-T6-047	HS-SB-T6-047	HS-SB-T6-047	HS-SB-T6-048	HS-SB-T6-048
Sample Name			HS-SB-T6-046 (3-4)	HS-SB-T6-046 (9-10)	HS-SB-T6-047 (2-3)	HS-SB-T6-047 (7-8)	HS-SB-T6-047 (7-8) DUP	HS-SB-T6-048 (7-8)	HS-SB-T6-048 (9-10)
Lab Sample ID			TH02020-002	TH02020-003	TH01012-007	TH01012-008	TH01012-009	TH02020-006	TH02020-007
Depth Interval (feet)			3 - 4	9 - 10	2 - 3	7 - 8	7 - 8	7 - 8	9 - 10
Sample Date			8/1/2018	8/1/2018	7/31/2018	7/31/2018	7/31/2018	8/1/2018	8/1/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.7	<9.7	<10	<9.3	<9.3	<11	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.7	<9.7	<10	<9.3	<9.3	<11	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.9	<1.9	<2	<1.9	<1.9	<2.3	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.9	<1.9	<2	<1.9	<1.9	<2.3	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorobutanoic acid (PFBA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorodecanoic acid (PFDA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorononanoic acid (PFNA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.8	<4.9	<5	<4.6	<4.6	<5.7	<5.7

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-049	HS-SB-T6-049	HS-SB-T6-050	HS-SB-T6-050	HS-SB-T6-052	HS-SB-T6-052	HS-SB-T6-053
Sample Name			HS-SB-T6-049 (3-4)	HS-SB-T6-049 (6-7)	HS-SB-T6-050 (4-5)	HS-SB-T6-050 (8-9)	HS-SB-T6-052 (3-4)	HS-SB-T6-052 (7-8)	HS-SB-T6-053 (2-3)
Lab Sample ID			TH01012-011	TH01012-012	TH02020-010	TH02020-011	TH02020-013	TH02020-014	TH02020-004
Depth Interval (feet)			3 - 4	6 - 7	4 - 5	8 - 9	3 - 4	7 - 8	2 - 3
Sample Date			7/31/2018	7/31/2018	8/1/2018	8/1/2018	8/2/2018	8/2/2018	8/1/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<9.2	<9.3	<11	<9.7	<11	<8.8
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<9.2	<9.3	<11	<9.7	<11	<8.8
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<1.8	<1.9	<2.3	<1.9	<2.2	<1.8
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<1.8	<1.9	<2.3	<1.9	<2.2	<1.8
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorobutanoic acid (PFBA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorodecanoic acid (PFDA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorononanoic acid (PFNA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.2	<4.6	<4.7	<5.7	***7.9***	<5.6	<4.4
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.2	<4.6	<4.7	<5.7	<4.8	<5.6	<4.4

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-053	HS-SB-T6-054	HS-SB-T6-054	HS-SB-T6-055	HS-SB-T6-055	HS-SB-T6-056	HS-SB-T6-056
Sample Name			HS-SB-T6-053 (9-10)	HS-SB-T6-054 (3-4)	HS-SB-T6-054 (12-13)	HS-SB-T6-055 (2-3)	HS-SB-T6-055 (9-10)	HS-SB-T6-056 (2-3)	HS-SB-T6-056 (14-15)
Lab Sample ID			TH02020-005	TH02020-020	TH02020-021	TH02020-008	TH02020-009	TH04014-002	TH04014-003
Depth Interval (feet)			9 - 10	3 - 4	12 - 13	2 - 3	9 - 10	2 - 3	14 - 15
Sample Date			8/1/2018	8/2/2018	8/2/2018	8/1/2018	8/1/2018	8/3/2018	8/3/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<9.8	<10	<9.5	<10	<11	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<9.8	<10	<9.5	<10	<11	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2	<2.1	<1.9	<2	<2.1	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2	<2.1	<1.9	<2	<2.1	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorobutanoic acid (PFBA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorodecanoic acid (PFDA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorohexanoic acid (PFHxA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorononanoic acid (PFNA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5	<4.9	<5.2	<4.8	***5.9***	<5.3	<5.9
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluoropentanoic acid (PFPeA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5	<4.9	<5.2	<4.8	<5	<5.3	<5.9

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-057	HS-SB-T6-057	HS-SB-T6-057	HS-SB-T6-058	HS-SB-T6-058	HS-SB-T6-059	HS-SB-T6-059
Sample Name			HS-SB-T6-057 (7-8)	HS-SB-T6-057 (7-8)DUP	HS-SB-T6-057 (14-15)	HS-SB-T6-058 (2-3)	HS-SB-T6-058 (12-13)	HS-SB-T6-059 (6-7)	HS-SB-T6-059 (12-13)
Lab Sample ID			TH02020-015	TH02020-016	TH02020-017	TH04014-004	TH04014-005	TH02020-018	TH02020-019
Depth Interval (feet)			7 - 8	7 - 8	14 - 15	2 - 3	12 - 13	6 - 7	12 - 13
Sample Date			8/2/2018	8/2/2018	8/2/2018	8/3/2018	8/3/2018	8/2/2018	8/2/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.8	<12	<8.8	<12	<11	<10	<9.3
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.8	<12	<8.8	<12	<11	<10	<9.3
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2.3	<1.8	<2.4	<2.2	<2.1	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2.3	<1.8	<2.4	<2.2	<2.1	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorobutanoic acid (PFBA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorodecanoic acid (PFDA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorononanoic acid (PFNA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.9	<5.8	<4.4	<5.9	***30***	<5.2	<4.7
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.9	<5.8	<4.4	<5.9	<5.5	<5.2	<4.7

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-060	HS-SB-T6-060	HS-SB-T6-062	HS-SB-T6-062	HS-SB-T6-065	HS-SB-T6-065	HS-SB-T6-067
Sample Name			HS-SB-T6-060 (4-5)	HS-SB-T6-060 (11-12)	HS-SB-T6-062 (4-5)	HS-SB-T6-062 (11-12)	HS-SB-T6-065 (1-2)	HS-SB-T6-065 (8-9)	HS-SB-T6-067 (1-2)
Lab Sample ID			TH07002-004	TH07002-005	TH07002-008	TH07002-009	TH04014-006	TH04014-007	TH07002-002
Depth Interval (feet)			4 - 5	11 - 12	4 - 5	11 - 12	1 - 2	8 - 9	1 - 2
Sample Date			8/6/2018	8/6/2018	8/6/2018	8/6/2018	8/3/2018	8/3/2018	8/6/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<9.6	<12	<10	<12	<10	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<9.6	<12	<10	<12	<10	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<1.9	<2.3	<2.1	<2.3	<2	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<1.9	<2.3	<2.1	<2.3	<2	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorobutanoic acid (PFBA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorodecanoic acid (PFDA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorononanoic acid (PFNA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.5	<4.8	<5.8	<5.2	***15***	***50***	<5.3
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.5	<4.8	<5.8	<5.2	<5.8	<5	<5.3

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-067	HS-SB-T6-068	HS-SB-T6-068	HS-SB-T6-069	HS-SB-T6-069	HS-SB-T6-070	HS-SB-T6-070
Sample Name			HS-SB-T6-067 (7-8)	HS-SB-T6-068 (4-5)	HS-SB-T6-068 (11-12)	HS-SB-T6-069 (2-3)	HS-SB-T6-069 (7-8)	HS-SB-T6-070 (4-5)	HS-SB-T6-070 (11-12)
Lab Sample ID			TH07002-003	TH07002-016	TH07002-017	TH07002-006	TH07002-007	TH07002-020	TH07002-021
Depth Interval (feet)			7 - 8	4 - 5	11 - 12	2 - 3	7 - 8	4 - 5	11 - 12
Sample Date			8/6/2018	8/7/2018	8/7/2018	8/6/2018	8/6/2018	8/7/2018	8/7/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<9.9	<12	<11	<11	<12	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<9.9	<12	<11	<11	<12	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2	<2.4	<2.2	<2.2	<2.3	<2.2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2	<2.4	<2.2	<2.2	<2.3	<2.2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorobutanoic acid (PFBA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorodecanoic acid (PFDA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorohexanoic acid (PFHxA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorononanoic acid (PFNA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5	<4.9	<5.9	***5.7***	<5.6	<5.8	<5.4
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluoropentanoic acid (PFPeA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5	<4.9	<5.9	<5.5	<5.6	<5.8	<5.4

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-071	HS-SB-T6-071	HS-SB-T6-072	HS-SB-T6-072	HS-SB-T6-073	HS-SB-T6-073	HS-SB-T6-073
Sample Name			HS-SB-T6-071 (3-4)	HS-SB-T6-071 (7-8)	HS-SB-T6-072(2-3)	HS-SB-T6-072(8-9)	HS-SB-T6-073 (2-3)	HS-SB-T6-073 (2-3) DUP	HS-SB-T6-073 (7-8)
Lab Sample ID			TH07002-010	TH07002-011	TH10017-002	TH10017-003	TH07002-013	TH07002-014	TH07002-015
Depth Interval (feet)			3 - 4	7 - 8	2 - 3	8 - 9	2 - 3	2 - 3	7 - 8
Sample Date			8/6/2018	8/6/2018	8/8/2018	8/8/2018	8/7/2018	8/7/2018	8/7/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<9.1	<11	<9	<9.7	<10	<9.6
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<9.1	<11	<9	<9.7	<10	<9.6
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<1.8	<2.1	<1.8	<1.9	<2	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<1.8	<2.1	<1.8	<1.9	<2	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorobutanoic acid (PFBA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorodecanoic acid (PFDA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorononanoic acid (PFNA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.4	<4.6	<5.3	<4.5	<4.9	<5.1	<4.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-075	HS-SB-T6-075	HS-SB-T6-076	HS-SB-T6-076	HS-SB-T6-077	HS-SB-T6-077	HS-SB-T6-079
Sample Name			HS-SB-T6-075 (9-10)	HS-SB-T6-075 (18-19)	HS-SB-T6-076(1-2)	HS-SB-T6-076(4-5)	HS-SB-T6-077(1-2)	HS-SB-T6-077(9-10)	HS-SB-T6-079(2-3)
Lab Sample ID			TH07002-018	TH07002-019	TH10017-012	TH10017-013	TH10017-004	TH10017-005	TH10017-006
Depth Interval (feet)			9 - 10	18 - 19	1 - 2	4 - 5	1 - 2	9 - 10	2 - 3
Sample Date			8/7/2018	8/7/2018	8/9/2018	8/9/2018	8/8/2018	8/8/2018	8/8/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<10	<10	<10	<10	<11	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<10	<10	<10	<10	<11	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.4	<2	<2	<2	<2	<2.3	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.4	<2	<2	<2	<2	<2.3	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorobutanoic acid (PFBA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorodecanoic acid (PFDA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorododecanoic acid (PFDoDA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluoroheptanoic acid (PFHpA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorohexanoic acid (PFHxA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorononanoic acid (PFNA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorooctane sulfonamide (FOSA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<6	<5.1	<5.1	<5	***5.5***	<5.6	<5.3
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluoropentanoic acid (PFPeA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluorononane sulfonic acid (PFNS)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<6	<5.1	<5.1	<5	<5.1	<5.6	<5.3

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-079	HS-SB-T6-081	HS-SB-T6-081	HS-SB-T6-081	HS-SB-T6-083	HS-SB-T6-083	HS-SB-T6-085
Sample Name			HS-SB-T6-079(8-9)	HS-SB-T6-081(3-4)	HS-SB-T6-081(3-4)DUP	HS-SB-T6-081(8-9)	HS-SB-T6-083 (3-4)	HS-SB-T6-083 (9-10)	HS-SB-T6-085 (2-3)
Lab Sample ID			TH10017-007	TH10017-014	TH10017-015	TH10017-016	TH10017-018	TH10017-019	TH10017-020
Depth Interval (feet)			8 - 9	3 - 4	3 - 4	8 - 9	3 - 4	9 - 10	2 - 3
Sample Date			8/8/2018	8/9/2018	8/9/2018	8/9/2018	8/10/2018	8/10/2018	8/10/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<8.8	<11	<9.3	<11	<11	<9.6	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<8.8	<11	<9.3	<11	<11	<9.6	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.8	<2.1	<1.9	<2.3	<2.3	<1.9	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.8	<2.1	<1.9	<2.3	<2.3	<1.9	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorobutanoic acid (PFBA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorodecanoic acid (PFDA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorononanoic acid (PFNA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.4	<5.3	<4.6	<5.7	<5.6	<4.8	<5.9

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-085	HS-SB-T6-087	HS-SB-T6-087	HS-SB-T6-089	HS-SB-T6-089	HS-SB-T6-093	HS-SB-T6-093
Sample Name			HS-SB-T6-085 (9-10)	HS-SB-T6-087 (2-3)	HS-SB-T6-087 (5-6)	HS-SB-T6-089 (2-3)	HS-SB-T6-089 (7-8)	HS-SB-T6-093 (3-4)	HS-SB-T6-093 (12-13)
Lab Sample ID			TH10017-021	TH14001-002	TH14001-003	TH14001-004	TH14001-005	TH14001-020	TH14001-021
Depth Interval (feet)			9 - 10	2 - 3	5 - 6	2 - 3	7 - 8	3 - 4	12 - 13
Sample Date			8/10/2018	8/13/2018	8/13/2018	8/13/2018	8/13/2018	8/16/2018	8/16/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<11	<11	<11	<12	<9.9	<9.5
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<11	<11	<11	<12	<9.9	<9.5
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<2.2	<2.2	<2.2	<2.4	<2	<1.9
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2.2	<2.2	<2.2	<2.4	<2	<1.9
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorobutanoic acid (PFBA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorodecanoic acid (PFDA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorononanoic acid (PFNA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.2	<5.4	<5.5	<5.5	<6	<5	<4.8

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-095	HS-SB-T6-095	HS-SB-T6-099	HS-SB-T6-099	HS-SB-T6-101	HS-SB-T6-101	HS-SB-T6-103
Sample Name			HS-SB-T6-095 (3-4)	HS-SB-T6-095 (12-13)	HS-SB-T6-099 (5-6)	HS-SB-T6-099 (9-10)	HS-SB-T6-101 (5-6)	HS-SB-T6-101 (8-9)	HS-SB-T6-103 (5-6)
Lab Sample ID			TH14001-024	TH14001-025	TH16010-011	TH16010-012	TH16010-015	TH16010-016	TH21014-002
Depth Interval (feet)			3 - 4	12 - 13	5 - 6	9 - 10	5 - 6	8 - 9	5 - 6
Sample Date			8/16/2018	8/16/2018	8/17/2018	8/17/2018	8/17/2018	8/17/2018	8/20/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<11	<12	<9.4	<11	<11	<12
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<11	<12	<9.4	<11	<11	<12
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2	<2.3	<2.3	<1.9	<2.2	<2.3	<2.4
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2	<2.3	<2.3	<1.9	<2.2	<2.3	<2.4
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorobutanoic acid (PFBA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorodecanoic acid (PFDA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorohexanoic acid (PFHxA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorononanoic acid (PFNA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluoropentanoic acid (PFPeA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5	<5.7	<5.9	<4.7	<5.5	<5.7	<6

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-103	HS-SB-T6-105	HS-SB-T6-105	HS-SB-T6-107	HS-SB-T6-107	HS-SB-T6-109	HS-SB-T6-109
Sample Name			HS-SB-T6-103 (9-10)	HS-SB-T6-105 (1-2)	HS-SB-T6-105 (8-9)	HS-SB-T6-107 (3-4)	HS-SB-T6-107 (9-10)	HS-SB-T6-109 (8-9)	HS-SB-T6-109 (12-13)
Lab Sample ID			TH21014-003	TH21014-008	TH21014-007	TH21014-009	TH21014-010	TH21014-014	TH21014-015
Depth Interval (feet)			9 - 10	1 - 2	8 - 9	3 - 4	9 - 10	8 - 9	12 - 13
Sample Date			8/20/2018	8/20/2018	8/20/2018	8/20/2018	8/20/2018	8/21/2018	8/21/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.5	<11	<10	<11	<11	<11	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.5	<11	<10	<11	<11	<11	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.9	<2.1	<2	<2.2	<2.1	<2.1	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.9	<2.1	<2	<2.2	<2.1	<2.1	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorobutanoic acid (PFBA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorodecanoic acid (PFDA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorononanoic acid (PFNA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.8	<5.3	<5.1	<5.4	<5.3	<5.3	<5.7

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-110	HS-SB-T6-110	HS-SB-T6-111	HS-SB-T6-111	HS-SB-T6-112	HS-SB-T6-112	HS-SB-T6-113
Sample Name			HS-SB-T6-110 (9-10)	HS-SB-T6-110 (11-12)	HS-SB-T6-111 (9-10)	HS-SB-T6-111 (12-13)	HS-SB-T6-112 (3-4)	HS-SB-T6-112 (9-10)	HS-SB-T6-113 (8-9)
Lab Sample ID			TH21014-016	TH21014-017	TH23012-002	TH23012-003	TH23012-006	TH23012-007	TH23012-010
Depth Interval (feet)			9 - 10	11 - 12	9 - 10	12 - 13	3 - 4	9 - 10	8 - 9
Sample Date			8/21/2018	8/21/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<9.1	<12	<9.6	<11	<11	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<9.1	<12	<9.6	<11	<11	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<1.8	<2.4	<1.9	<2.3	<2.1	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<1.8	<2.4	<1.9	<2.3	<2.1	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorobutanoic acid (PFBA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorodecanoic acid (PFDA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorononanoic acid (PFNA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.3	<4.6	<6	***5***	<5.7	<5.4	<5.7
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.3	<4.6	<6	<4.8	<5.7	<5.4	<5.7

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-113	HS-SB-T6-115	HS-SB-T6-115	HS-SB-T6-116	HS-SB-T6-116	HS-SB-T6-117	HS-SB-T6-117
Sample Name			HS-SB-T6-113 (12-13)	HS-SB-T6-115 (8-9)	HS-SB-T6-115 (14-15)	HS-SB-T6-116 (7-8)	HS-SB-T6-116 (13-14)	HS-SB-T6-117 (6-7)	HS-SB-T6-117 (12-13)
Lab Sample ID			TH23012-011	TH23012-015	TH23012-016	TH23012-017	TH23012-018	TH25004-002	TH25004-003
Depth Interval (feet)			12 - 13	8 - 9	14 - 15	7 - 8	13 - 14	6 - 7	12 - 13
Sample Date			8/22/2018	8/23/2018	8/23/2018	8/23/2018	8/23/2018	8/24/2018	8/24/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<10	<11	<11	<11	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<10	<11	<11	<11	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<2.2	<2	<2.3	<2.2	<2.1	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<2.2	<2	<2.3	<2.2	<2.1	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorobutanoic acid (PFBA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorodecanoic acid (PFDA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorononanoic acid (PFNA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.4	<5.6	<5.1	<5.6	<5.5	<5.4	<5.1

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-118	HS-SB-T6-118	HS-SB-T6-118	HS-SB-T6-119	HS-SB-T6-119	HS-SB-T6-120	HS-SB-T6-120
Sample Name			HS-SB-T6-118 (3-4)	HS-SB-T6-118 (3-4) DUP	HS-SB-T6-118 (8-9)	HS-SB-T6-119 (9-10)	HS-SB-T6-119 (14-15)	HS-SB-T6-120 (8-9)	HS-SB-T6-120 (13-14)
Lab Sample ID			TH28007-002	TH28007-003	TH28007-004	TH28007-009	TH28007-010	TH29013-002	TH29013-003
Depth Interval (feet)			3 - 4	3 - 4	8 - 9	9 - 10	14 - 15	8 - 9	13 - 14
Sample Date			8/27/2018	8/27/2018	8/27/2018	8/27/2018	8/27/2018	8/28/2018	8/28/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<10	<12	<9.6	<10	<11	<11	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<10	<12	<9.6	<10	<11	<11	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<2.4	<1.9	<2.1	<2.2	<2.3	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2.4	<1.9	<2.1	<2.2	<2.3	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorobutanoic acid (PFBA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorodecanoic acid (PFDA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorononanoic acid (PFNA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***5.8***	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.2	<6.1	<4.8	<5.2	<5.6	<5.6	<5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-121	HS-SB-T6-121	HS-SB-T6-122	HS-SB-T6-122	HS-SB-T6-123	HS-SB-T6-123	HS-TR-401-2
Sample Name			HS-SB-T6-121 (3-4)	HS-SB-T6-121 (8-9)	HS-SB-T6-122 (5-6)	HS-SB-T6-122 (14-15)	HS-SB-T6-123 (8-9)	HS-SB-T6-123 (12-13)	HS-TR-401-2 (1-2)
Lab Sample ID			TH29013-009	TH29013-010	TH29013-014	TH29013-015	TH29013-019	TH29013-020	TH23012-019
Depth Interval (feet)			3 - 4	8 - 9	5 - 6	14 - 15	8 - 9	12 - 13	1 - 2
Sample Date			8/28/2018	8/28/2018	8/29/2018	8/29/2018	8/29/2018	8/29/2018	8/23/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<11	<11	<11	<9	<9.9	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<11	<11	<11	<9	<9.9	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.4	<2.2	<2.2	<2.1	<1.8	<2	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.4	<2.2	<2.2	<2.1	<1.8	<2	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorobutanoic acid (PFBA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorodecanoic acid (PFDA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorononanoic acid (PFNA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.9	<5.4	<5.6	<5.3	<4.5	<5	<5.3

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-TR-401-2	HS-TR-401-B-2	HS-TR-401-B-2	HS-TR-402-2	HS-TR-402-2	HS-TR-403-1	HS-TR-403-1
Sample Name			HS-TR-401-2 (7-8)	HS-TR-401-B-2 (6-7)	HS-TR-401-B-2 (8-9)	HS-TR-402-2 (3-4)	HS-TR-402-2 (12-13)	HS-TR-403-1 (8-9)	HS-TR-403-1 (11-12)
Lab Sample ID			TH23012-020	TH25004-004	TH25004-005	TH28007-007	TH28007-008	TH28007-011	TH28007-012
Depth Interval (feet)			7 - 8	6 - 7	8 - 9	3 - 4	12 - 13	8 - 9	11 - 12
Sample Date			8/23/2018	8/24/2018	8/24/2018	8/27/2018	8/27/2018	8/27/2018	8/27/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<12	<12	<10	<9.7	<8.9
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<12	<12	<10	<9.7	<8.9
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<2.1	<2.4	<2.3	<2.1	<1.9	<1.8
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2.1	<2.4	<2.3	<2.1	<1.9	<1.8
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorobutanoic acid (PFBA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorodecanoic acid (PFDA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorononanoic acid (PFNA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.3	***11***	***9.7***	<5.9	<5.2	<4.8	<4.5
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.3	<5.3	<6	<5.9	<5.2	<4.8	<4.5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-TR-404-2	HS-TR-404-2	HS-TR-404-2	HS-TR-405-3	HS-TR-405-3	HS-TR-405-3	HS-TR-406-2
Sample Name			HS-TR-404-2 (3-4)	HS-TR-404-2 (8-9)	HS-TR-404-2 (17-18)	HS-TR-405-3 (2-3)	HS-TR-405-3 (12-13)	HS-TR-405-3 (16-17)	HS-TR-406-2 (2-3)
Lab Sample ID			TH29013-007	TH29013-008	TH29013-013	TH29013-016	TH29013-017	TH29013-018	TH23012-008
Depth Interval (feet)			3 - 4	8 - 9	17 - 18	2 - 3	12 - 13	16 - 17	2 - 3
Sample Date			8/28/2018	8/28/2018	8/29/2018	8/29/2018	8/29/2018	8/29/2018	8/22/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.1	<12	<10	<12	<9.1	<9.8	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.1	<12	<10	<12	<9.1	<9.8	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.8	<2.4	<2	<2.3	<1.8	<2	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.8	<2.4	<2	<2.3	<1.8	<2	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorobutanoic acid (PFBA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorodecanoic acid (PFDA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorononanoic acid (PFNA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***95***	***20***	<5.1	***15***	***8.5***	***28***	***21***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.6	<6.1	<5.1	<5.8	<4.6	<4.9	<5.2

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-TR-406-2	HS-TR-406-B-2	HS-TR-406-B-2	HS-TR-407-2	HS-TR-407-2	HS-TR-408-2	HS-TR-408-2
Sample Name			HS-TR-406-2 (8-9)	HS-TR-406-B-2 (3-4)	HS-TR-406-B-2 (8-9)	HS-TR-407-2 (2-3)	HS-TR-407-2 (5-6)	HS-TR-408-2 (5-6)	HS-TR-408-2 (9-10)
Lab Sample ID			TH23012-009	TH23012-013	TH23012-014	TH21014-018	TH21014-019	TH21014-011	TH21014-012
Depth Interval (feet)			8 - 9	3 - 4	8 - 9	2 - 3	5 - 6	5 - 6	9 - 10
Sample Date			8/22/2018	8/23/2018	8/23/2018	8/21/2018	8/21/2018	8/20/2018	8/20/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<12	<11	<12	<11	<11	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<12	<11	<12	<11	<11	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.1	<2.4	<2.2	<2.3	<2.3	<2.2	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.1	<2.4	<2.2	<2.3	<2.3	<2.2	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorobutanoic acid (PFBA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorodecanoic acid (PFDA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorononanoic acid (PFNA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***14***	***6.5***	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.3	<5.9	<5.4	<5.8	<5.6	<5.6	<5.2

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-TR-408-B-2	HS-TR-408-B-2	HS-TR-409-2	HS-TR-409-2	HS-TR-409-2	HS-TR-410-2	HS-TR-410-2
Sample Name			HS-TR-408-B-2 (1-2)	HS-TR-408-B-2 (7-8)	HS-TR-409-2 (3-4)	HS-TR-409-2 (3-4) DUP	HS-TR-409-2 (6-7)	HS-TR-410-2 (2-3)	HS-TR-410-2 (6-7)
Lab Sample ID			TH23012-004	TH23012-005	TH21014-004	TH21014-005	TH21014-006	TH16010-013	TH16010-014
Depth Interval (feet)			1 - 2	7 - 8	3 - 4	3 - 4	6 - 7	2 - 3	6 - 7
Sample Date			8/22/2018	8/22/2018	8/20/2018	8/20/2018	8/20/2018	8/17/2018	8/17/2018
Parameter (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<10	<11	<11	<13	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<10	<11	<11	<13	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	<2.3	<2.1	<2.1	<2.2	<2.6	<2.3
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.3	<2.1	<2.1	<2.2	<2.6	<2.3
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorobutanoic acid (PFBA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorodecanoic acid (PFDA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorononanoic acid (PFNA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.6	<5.7	***13***	***12***	***38***	<6.4	***21***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.6	<5.7	<5.2	<5.3	<5.5	<6.4	<5.6

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	HS-TR-411-2	HS-TR-411-2	HS-TR-412-2	HS-TR-412-2	HS-TR-413-2	HS-TR-413-2
Sample Name			HS-TR-411-2 (5-6)	HS-TR-411-2 (7-8)	HS-TR-412-2 (3-4)	HS-TR-412-2 (8-9)	HS-TR-413-2 (4-5)	HS-TR-413-2 (7-8)
Lab Sample ID			TH14001-029	TH14001-030	TH16010-009	TH16010-008	TH14001-022	TH14001-023
Depth Interval (feet)			5 - 6	7 - 8	3 - 4	8 - 9	4 - 5	7 - 8
Sample Date			8/16/2018	8/16/2018	8/14/2018	8/14/2018	8/16/2018	8/16/2018
Parameter (ug/kg)								
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<11	<11	<11	<12	<11	<11
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<11	<11	<11	<12	<11	<11
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.2	<2.1	<2.2	<2.3	<2.2	<2.2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.2	<2.1	<2.2	<2.3	<2.2	<2.2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorobutanoic acid (PFBA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorodecanoic acid (PFDA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorononanoic acid (PFNA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<5.6	<5.3	<5.6	<5.8	***17***	***54***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.6	<5.3	<5.6	<5.8	<5.4	<5.5

TABLE 1
SUMMARY OF ON-SITE SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

NOTES:

1. Concentration and criteria units are micro-grams per kilogram or parts per billion; "< RL" or "<PQL" indicates the compound was analyzed for but not detected above the RL; "B" indicates the compound was detected in the sample and in the associated laboratory method blank above the reporting limit; "J" indicates the result is less than the laboratory reporting limit but greater than or equal to the RL and the concentration is an estimated value; "E" denotes the quantitation of the compound exceeded the calibration range; "DUP" indicates a duplicate sample; RL = Reporting Limit; PQL=Pratical Quantitation Limit.

2. **BOLD** number indicates that the compound was detected at concentrations greater than the RL.

3. ***BOLD, Italic*** number with a thick border indicates that the compound was detected greater than one of the generic cleanup cirteria listed.

4. Michigan Part 201 soil cleanup criteria were based on MDEQ 's Table 2, Soil: Residential, Part 201 Generic Cleanup Criteria and Screening Levels, June 2018.

TABLE 2
SUMMARY OF MDOT PROPERTY SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	MDOT-SB-B3	MDOT-SB-B3	MDOT-SB-C2	MDOT-SB-C2	MDOT-SB-D1	MDOT-SB-D1	MDOT-SB-E1	MDOT-SB-E1	MDOT-SB-E1	MDOT-V-1	MDOT-V-10	MDOT-V-11	MDOT-V-2	MDOT-V-3
Sample Name			SB-B3 (2-4)	SB-B3 (16-18)	SB-C2 (2-4)	SB-C2 (16-18)	SB-D1 (12-14)	SB-D1 (16-18)	SB-E1 (0-2)	SB-E1 (0-2) DUP	SB-E1 (16-18)	V-1	V-10	V-11	V-2	V-3
Lab Sample ID			TF26024-021	TF26024-001	TF26024-004	TF26024-005	TF26024-002	TF26024-003	TF26024-006	TF26024-007	TF26024-008	TF26024-010	TF26024-019	TF26024-020	TF26024-011	TF26024-012
Depth Interval (feet)			2 - 4	16 - 18	2 - 4	16 - 18	12 - 14	16 - 18	0 - 2	0 - 2	16 - 18	-	-	-	-	-
Sample Date			6/23/2018	6/23/2018	6/25/2018	6/25/2018	6/23/2018	6/23/2018	6/25/2018	6/25/2018	6/25/2018	6/16/2018	6/23/2018	6/23/2018	6/16/2018	6/16/2018
Parameter (ug/kg)																
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<9.7	<10	<9.5	<12	<9.2	<11	<55	<10	<10	<11	<9.8	<11	<11	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<9.7	<10	<9.5	<12	<9.2	<11	<55	<10	<10	<11	<9.8	<11	<11	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<1.9	4.2	<1.9	<2.3	<1.8	<2.2	<11	2.8	<2.1	<2.2	<2	<2.1	<2.3	<2.1
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<1.9	<2	<1.9	<2.3	<1.8	<2.2	<11	<2.1	<2.1	<2.2	<2	<2.1	<2.3	<2.1
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorobutanoic acid (PFBA)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorodecanoic acid (PFDA)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	8.3	<28	<100	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	9.3	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorononanoic acid (PFNA)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<100	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.8	350	24	<5.8	<4.6	<5.5	800	470	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	<4.8	***1,100***	***95***	***8.5***	<4.6	***9.3***	***2,000***	***1,100***	***37***	***9.8***	***9.7***	***7.4***	***17***	***31***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<4.8	14	<4.7	15	7.7	22	<28	18	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.8	7.3	<4.7	<5.8	<4.6	<5.5	34	<100	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluorononane sulfonic acid (PFNS)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<100	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<4.8	<5.1	<4.7	<5.8	<4.6	<5.5	<28	<5.2	<5.2	<5.5	<4.9	<5.3	<5.6	<5.1

TABLE 2
SUMMARY OF MDOT PROPERTY SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

Location Name	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF DRINKING WATER USES - RESIDENTIAL	MDEQ PART 201 SOIL CRITERIA PROTECTIVE OF GROUNDWATER SURFACE WATER INTERFACE	MDOT-V-4	MDOT-V-5	MDOT-V-6	MDOT-V-7	MDOT-V-8	MDOT-V-9
Sample Name			V-4	V-5	V-6	V-7	V-8	V-9
Lab Sample ID			TF26024-013	TF26024-014	TF26024-015	TF26024-016	TF26024-017	TF26024-018
Depth Interval (feet)			-	-	-	-	-	-
Sample Date			6/16/2018	6/16/2018	6/16/2018	6/16/2018	6/23/2018	6/23/2018
Parameter (ug/kg)								
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<12	<12	<9.9	<12	<10	<10
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<12	<12	<9.9	<12	<10	<10
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<2.3	<2.4	<2	<2.4	<2	<2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<2.3	<2.4	<2	<2.4	<2	<2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorobutanoic acid (PFBA)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorodecanoic acid (PFDA)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorohexanoic acid (PFHxA)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorononanoic acid (PFNA)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<5.8	<5.9	23	<6.1	<5.1	<5
Perfluorooctane sulfonic acid (PFOS)	NA	0.24	***72***	***6***	***110***	***17***	***16***	***14***
Perfluorooctanoic acid (PFOA)	NA	10,000.00	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluoropentanoic acid (PFPeA)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<5.8	<5.9	<4.9	<6.1	<5.1	<5

TABLE 2
SUMMARY OF MDOT PROPERTY SOIL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

NOTES:

1. Concentration and criteria units are micro-grams per kilogram or parts per billion; "< RL" or "<PQL" indicates the compound was analyzed for but not detected above the RL; "B" indicates the compound was detected in the sample and in the associated laboratory method blank above the reporting limit; "J" indicates the result is less than the laboratory reporting limit but greater than or equal to the RL and the concentration is an estimated value; "E" denotes the quantitation of the compound exceeded the calibration range; "DUP" indicates a duplicate sample; RL = Reporting Limit; PQL=Pratical Quantitation Limit.

2. **BOLD** number indicates that the compound was detected at concentrations greater than the MDL.

3. ***BOLD, Italic*** number with a thick indicates that the compound was detected greater than one of the generic cleanup cirteria listed.

4. Michigan Part 201 soil cleanup criteria were based on MDEQ 's Table 2, Soil: Residential, Part 201 Generic Cleanup Criteria and Screening Levels, June 2018.

TABLE 3
SUMMARY OF TEMPORARY WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	HS-SB-108	HS-SB-117	HS-SB-131	HS-SB-132	HS-SB-206	HS-SB-208	HS-SB-208
SAMPLE NAME			HS-SB-108	HS-SB-117	HS-SB-131	HS-SB-132	HS-GW-SB206 (13.0-19.4)	HS-GW-SB208 (14-20)	HS-SB-208
LAB ID			TH08036-001	TH01022-013	TH01022-014	TH01022-012	TF13014-001	TF13014-002	TH08036-007
SAMPLE DATE			08/07/2018	08/03/2018	08/03/2018	08/03/2018	06/12/2018	06/12/2018	08/08/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<71	<6.9	<7.1	<71	<7.2	<720	<720
Perfluorobutane sulfonic acid (PFBS)	NA	NA	210	<3.4	14	100	6.9	3,900	5,600
Perfluorobutanoic acid (PFBA)	NA	NA	41	<3.4	7.9	44	<3.6	1,100	1,300
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
Perfluorodecanoic acid (PFDA)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
Perfluorododecanoic acid (PFDoDA)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	450	<3.4	35	590	<3.6	17,000	14,000
Perfluoroheptanoic acid (PFHpA)	NA	NA	160	<3.4	18	48	<3.6	4,100	5,100
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	2,700	10	320	910	50	34,000	37,000
Perfluorohexanoic acid (PFHxA)	NA	NA	280	<3.4	35	84	<3.6	3,100	4,200
Perfluorononanoic acid (PFNA)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
Perfluorooctane sulfonamide (FOSA)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
Perfluorooctane sulfonic acid (PFOS)	70	12	***20,000***	12	***180***	***25,000***	6.9	***240,000***	***240,000***
Perfluorooctanoic acid (PFOA)	70	12,000	***3,100***	<1.7	***310***	***1,100***	5.9	***37,000***	***41,000***
Perfluoropentanoic acid (PFPeA)	NA	NA	78	<3.4	9.9	49	<3.6	1,200	1,500
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<35	<3.4	<3.6	<35	<3.6	<360	<360
Perfluorononane sulfonic acid (PFNS)	NA	NA	<71	<6.9	<7.1	<71	<7.2	<720	<720
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	610	<3.4	46	200	4.8	5,300	7,900

TABLE 3
SUMMARY OF TEMPORARY WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	HS-SB-214	HS-SB-219	HS-SB-221	HS-SB-222	HS-SB-421	HS-SB-T2-030	HS-SB-T6-009
SAMPLE NAME			HS-SB-214	HS-GW-SB219 (14-20)	HS-GW-SB221 (13-20)	HS-GW-SB222 (13-20)	HS-SB-421	HS-SB-T2-030	HS-SB-T6-009
LAB ID			TH08036-008	TF13014-005	TF15009-001	TF13014-006	TH14001-010	TH08036-015	TH08036-002
SAMPLE DATE			08/08/2018	06/13/2018	06/14/2018	06/13/2018	08/13/2018	08/10/2018	08/07/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<7	<8.6	<7.4	<7.9	<140	<71	<36
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<3.5	6.2	<3.7	4.4	87	190	170
Perfluorobutanoic acid (PFBA)	NA	NA	<3.5	<4.3	<3.7	7.5	<70	59	44
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
Perfluorodecanoic acid (PFDA)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
Perfluorododecanoic acid (PFDoDA)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	37	7.9	<3.7	<3.9	2,300	280	310
Perfluoroheptanoic acid (PFHpA)	NA	NA	5.8	<4.3	<3.7	<3.9	550	72	170
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	41	23	4.9	<3.9	4,100	980	2,800
Perfluorohexanoic acid (PFHxA)	NA	NA	5.2	<4.3	<3.7	4.2	450	130	310
Perfluorononanoic acid (PFNA)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
Perfluorooctane sulfonamide (FOSA)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
Perfluorooctane sulfonic acid (PFOS)	70	12	***230***	***49***	***26***	***65***	***44,000***	***27,000***	***12,000***
Perfluorooctanoic acid (PFOA)	70	12,000	63	23	3.2	17	***5,600***	***1,800***	***2,800***
Perfluoropentanoic acid (PFPeA)	NA	NA	<3.5	<4.3	<3.7	<3.9	95	86	81
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<3.5	<4.3	<3.7	<3.9	<70	<36	<18
Perfluorononane sulfonic acid (PFNS)	NA	NA	<7	<8.6	<7.4	<7.9	<140	<71	<36
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<3.5	<4.3	<3.7	<3.9	400	460	570

TABLE 3
SUMMARY OF TEMPORARY WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-024	HS-SB-T6-025	HS-SB-T6-036	HS-SB-T6-037	HS-SB-T6-038	HS-SB-T6-039	HS-SB-T6-040
SAMPLE NAME			HS-SB-T6-024	HS-SB-T6-025	HS-SB-T6-036	HS-SB-T6-037	HS-SB-T6-038	HS-SB-T6-039	HS-SB-T6-040
LAB ID			TH08036-006	TH08036-014	TH08036-010	TH08036-013	TH08036-019	TH08036-018	TH08036-011
SAMPLE DATE			08/08/2018	08/09/2018	08/09/2018	08/09/2018	08/10/2018	08/10/2018	08/09/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<3.5	<36	<180	<40	<18	<36	<35
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<3.5	<36	<180	<40	<18	<36	<35
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<3.5	<36	<180	44	<18	<36	<35
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<7.1	<71	<350	<80	<35	<73	<71
Perfluorobutane sulfonic acid (PFBS)	NA	NA	90	99	410	<40	75	130	110
Perfluorobutanoic acid (PFBA)	NA	NA	34	<36	<180	<40	22	<36	<35
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<3.5	<36	<180	<40	<18	<36	<35
Perfluorodecanoic acid (PFDA)	NA	NA	<3.5	<36	<180	<40	<18	<36	<35
Perfluorododecanoic acid (PFDoDA)	NA	NA	<3.5	<36	<180	<40	<18	<36	<35
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	17	180	470	160	230	300	290
Perfluoroheptanoic acid (PFHpA)	NA	NA	43	77	310	61	83	94	65
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	100	1,000	2,900	800	1,200	1,100	600
Perfluorohexanoic acid (PFHxA)	NA	NA	140	160	530	79	120	150	110
Perfluorononanoic acid (PFNA)	NA	NA	<3.5	<36	<180	<40	<18	<36	<35
Perfluorooctane sulfonamide (FOSA)	NA	NA	<3.5	<36	<180	<40	<18	<36	<35
Perfluorooctane sulfonic acid (PFOS)	70	12	***980***	***17,000***	***70,000***	***17,000***	***11,000***	***23,000***	***27,000***
Perfluorooctanoic acid (PFOA)	70	12,000	***430***	***1,300***	***5,400***	***1,600***	***1,700***	***1,600***	***1,000***
Perfluoropentanoic acid (PFPeA)	NA	NA	47	45	<180	<40	37	55	35
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<3.5	<36	<180	<40	<18	<36	<35
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<3.5	<36	<180	<40	<18	<36	<35
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<3.5	<36	<180	<40	<18	<36	<35
Perfluorononane sulfonic acid (PFNS)	NA	NA	<7.1	<71	<350	<80	<35	<73	<71
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	81	260	1,100	140	240	360	260

TABLE 3
SUMMARY OF TEMPORARY WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	HS-SB-T6-042	HS-SB-T6-046	HS-SB-T6-102	HS-SB-T6-104
SAMPLE NAME			HS-SB-T6-042	HS-SB-T6-046	HS-SB-T6-102	HS-SB-T6-104
LAB ID			TH08036-009	TH08036-017	TH14001-012	TH14001-015
SAMPLE DATE			08/08/2018	08/10/2018	08/14/2018	08/15/2018
Parameter (ng/l)						
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<71	<18	<180	<71
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<71	<18	<180	<71
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<71	<18	<180	<71
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<140	<35	<360	<140
Perfluorobutane sulfonic acid (PFBS)	NA	NA	150	190	670	420
Perfluorobutanoic acid (PFBA)	NA	NA	<71	33	<180	<71
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<71	<18	<180	<71
Perfluorodecanoic acid (PFDA)	NA	NA	<71	<18	<180	<71
Perfluorododecanoic acid (PFDoDA)	NA	NA	<71	<18	<180	<71
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	300	170	770	540
Perfluoroheptanoic acid (PFHpA)	NA	NA	76	96	390	150
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	1,400	1,500	3,100	2,500
Perfluorohexanoic acid (PFHxA)	NA	NA	120	130	730	330
Perfluorononanoic acid (PFNA)	NA	NA	<71	<18	<180	<71
Perfluorooctane sulfonamide (FOSA)	NA	NA	<71	<18	<180	<71
Perfluorooctane sulfonic acid (PFOS)	70	12	***31,000***	***6,800***	***64,000***	***36,000***
Perfluorooctanoic acid (PFOA)	70	12,000	***1,800***	***1,900***	***2,200***	***2,400***
Perfluoropentanoic acid (PFPeA)	NA	NA	<71	51	<180	96
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<71	<18	<180	<71
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<71	<18	<180	<71
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<71	<18	<180	<71
Perfluorononane sulfonic acid (PFNS)	NA	NA	<140	<35	<360	<140
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	360	480	1,200	1,100

TABLE 3
SUMMARY OF TEMPORARY WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

NOTES:
1. Concentration and criteria units are nano-grams per liter (ng/L) or parts per trillion (ppt); "< RL" indicates the compound was analyzed for but not detected above the method detection limit; RL = Reporting Limit

2. Bold indicates that compound was detected above the RL. Italic number with thick line border or italic chemical indicates that compound was detected above the Michigan Part 201 groundwater cleanup criteria .

3. Michigan Part 201 groundwater cleanup criteria protective of drinking water uses were based on MDEQ 's Table 1, Groundwater: Residential and Nonresidential, Part 201 Generic Cleanup cCiteria and Screening Levels, June 2018. Note in some samples, the collected water may not be "groundwater" as defined by Part 201 and therefore, the generic criteria may not apply.

4. The cleanup criteria of 70 ppt was established for the combined concentrations of PFOA and PFOS.

TABLE 4
SUMMARY OF MONITORING WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	MW-1D	MW-1D	MW-1S	MW-1S	MW-2S	MW-2	MW-3D
SAMPLE NAME			MW-1D	MW-1D	MW-1S	MW-1S	MW-2	MW-2	MW-3D
LAB ID			K1711117-004	TG26033-001	K1711117-003	TG26033-002	K1711117-005	TG26033-003	TG26033-005
SAMPLE DATE			10/12/2017	07/24/2018	10/12/2017	07/23/2018	10/12/2017	07/23/2018	07/24/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
N-Ethyl perfluorooctane sulfonamidoethanol	NA	NA	<4.2		<4.2		<4.2		
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<4.2	<6.9	<4.2	<7.4	<4.2	<6.9	<6.9
N-Methyl perfluorooctane sulfonamidoethanol	NA	NA	<4.2		<4.2		<4.2		
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.2	4.6	18	5.7	<4.2	91	280
Perfluorobutanoic acid (PFBA)	NA	NA	<8.3	<3.4	<8.3	<3.7	<8.3	11	61
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
Perfluorodecanoic acid (PFDA)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	19
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.2	<3.4	12	<3.7	<4.2	11	140
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.2	3.5	26	39	<4.2	37	1,100
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.2	<3.4	16	6.4	<4.2	69	210
Perfluorononanoic acid (PFNA)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
Perfluorooctane sulfonic acid (PFOS)	70	12	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	***17***
Perfluorooctanoic acid (PFOA)	70	12,000.00	<1.7	8.1	4.2	7.9	<1.7	4.8	***520***
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	15	84
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.2	<3.4	<4.2	<3.7	<4.2	<3.5	<3.5
Perfluorononane sulfonic acid (PFNS)	NA	NA		<6.9		<7.4		<6.9	<6.9
Perfluoropentane sulfonic acid (PFPeS)	NA	NA		<3.4		4.5		100	470

TABLE 4
SUMMARY OF MONITORING WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	MW-3D	MW-3S	MW-4	MW-4S	MW-4S	MW-5D	MW-5D
SAMPLE NAME			MW-3D Dup	MW-3S	MW-4	MW-4S	MW-4S	MW-5D	MW-5D
LAB ID			TG26033-006	K1711250-001	TG26033-014	K1711250-002	K1713964-002	K1800647-004	TG26033-009
SAMPLE DATE			07/24/2018	10/13/2017	07/26/2018	10/13/2017	12/28/2017	01/22/2018	07/25/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<3.5	<4.3	<3.5	<4.3	<4.2	<4.2	<3.7
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<3.5	<4.3	<3.5	<4.3	<4.2	<4.2	<3.7
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<3.5	<4.3	<3.5	<4.3	<4.2	<4.2	<3.7
N-Ethyl perfluorooctane sulfonamidoethanol	NA	NA		<4.3		<4.3	<4.2	<4.2	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<7	<4.3	<7	<4.3	<4.2	<4.2	<7.5
N-Methyl perfluorooctane sulfonamidoethanol	NA	NA		<4.3		<4.3	<4.2	<4.2	
Perfluorobutane sulfonic acid (PFBS)	NA	NA	290	370	160	93	170	5.4	6.3
Perfluorobutanoic acid (PFBA)	NA	NA	61	91	290	160	290	<8.3	<3.7
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<3.5	<4.3	<3.5	<4.3	<4.2	<4.2	<3.7
Perfluorodecanoic acid (PFDA)	NA	NA	<3.5	<4.3	<3.5	<4.3	<4.2	<4.2	<3.7
Perfluorododecanoic acid (PFDoDA)	NA	NA	<3.5	<4.3	<3.5	<4.3	<4.2	<4.2	<3.7
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	19	32	840	550	950	<4.2	<3.7
Perfluoroheptanoic acid (PFHpA)	NA	NA	130	180	400	320	560	<4.2	<3.7
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	1,100	930	6,000	1,600	3,200	13	17
Perfluorohexanoic acid (PFHxA)	NA	NA	210	390	550	420	730	7.7	<3.7
Perfluorononanoic acid (PFNA)	NA	NA	<3.5	<4.3	5.1	<4.3	6	<4.2	<3.7
Perfluorooctane sulfonamide (FOSA)	NA	NA	<3.5	<4.3	<3.5	<4.3	<4.2	<4.2	<3.7
Perfluorooctane sulfonic acid (PFOS)	70	12	***16***	***22***	***5,900***	***2,000***	***3,600***	***26***	***21***
Perfluorooctanoic acid (PFOA)	70	12,000.00	***520***	***380***	***2,700***	***830***	***1,500***	8.9	9.1
Perfluoropentanoic acid (PFPeA)	NA	NA	83	130	270	170	330	<4.2	<3.7
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<3.5	<4.3	<3.5	<4.3	<4.2	<4.2	<3.7
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<3.5	<4.3	<3.5	<4.3	<4.2	<4.2	<3.7
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<3.5	<4.3	<3.5	<4.3	<4.2	<4.2	<3.7
Perfluorononane sulfonic acid (PFNS)	NA	NA	<7		<7				<7.5
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	480		560				7.2

TABLE 4
SUMMARY OF MONITORING WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	MW-5M	MW-5S	MW-5S	MW-6D	MW-6D	MW-6S	MW-6S
SAMPLE NAME			MW-5M	MW-5S	MW-5S	MW-6D	MW-6D	MW-6S	MW-6S
LAB ID			TG26033-008	K1711250-003	K1713964-001	K1713273-007	TG26033-015	K1711250-004	TG26033-016
SAMPLE DATE			07/25/2018	10/13/2017	12/28/2017	12/07/2017	07/26/2018	10/16/2017	07/26/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<190	<4.2	<30	<4.3	<3.5	<4.2	<3.5
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<190	<4.2	<30	<4.3	<3.5	<4.2	<3.5
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<190	<4.2	<30	<4.3	<3.5	<4.2	<3.5
N-Ethyl perfluorooctane sulfonamidoethanol	NA	NA		<4.2	<30	<4.3		<4.2	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<370	<4.2	<30	<4.3	<7	<4.2	<6.9
N-Methyl perfluorooctane sulfonamidoethanol	NA	NA		<4.2	<30	<4.3		<4.2	
Perfluorobutane sulfonic acid (PFBS)	NA	NA	1,200	570	1,600	<4.3	<3.5	<4.2	5.1
Perfluorobutanoic acid (PFBA)	NA	NA	290	140	360	<8.6	<3.5	<8.3	<3.5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<190	<4.2	<30	<4.3	<3.5	<4.2	<3.5
Perfluorodecanoic acid (PFDA)	NA	NA	<190	<4.2	<30	<4.3	<3.5	<4.2	<3.5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<190	<4.2	<30	<4.3	<3.5	<4.2	<3.5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	2,200	1,100	2,200	<4.3	<3.5	<4.2	<3.5
Perfluoroheptanoic acid (PFHpA)	NA	NA	990	710	1,900	<4.3	<3.5	<4.2	6.1
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	5,600	1,900	8,200	<4.3	<3.5	14	48
Perfluorohexanoic acid (PFHxA)	NA	NA	810	450	1,300	<4.3	<3.5	<4.2	6.5
Perfluorononanoic acid (PFNA)	NA	NA	<190	18	30	<4.3	<3.5	<4.2	<3.5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<190	<4.2	<30	<4.3	<3.5	<4.2	<3.5
Perfluorooctane sulfonic acid (PFOS)	70	12	***81,000***	***44,000***	***41,000***	<4.3	<3.5	<4.2	<3.5
Perfluorooctanoic acid (PFOA)	70	12,000.00	***6,200***	***2,800***	***7,400***	<1.7	<1.8	9.8	28
Perfluoropentanoic acid (PFPeA)	NA	NA	360	190	510	<4.3	<3.5	<4.2	<3.5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<190	<4.2	<30	<4.3	<3.5	<4.2	<3.5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<190	<4.2	<30	<4.3	<3.5	<4.2	<3.5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<190	<4.2	<30	<4.3	<3.5	<4.2	<3.5
Perfluorononane sulfonic acid (PFNS)	NA	NA	<370				<7		<6.9
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	1,800				<3.5		10

TABLE 4
SUMMARY OF MONITORING WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	MW-7S	MW-8	MW-8	MW-9D	MW-9D	MW-9M	MW-9M
SAMPLE NAME			MW-7S	MW-8	MW-8	MW-9D	MW-9D	MW-9M	MW-9M
LAB ID			K1711250-005	K1713273-008	TG28011-002	K1713273-004	TH01022-002	K1713273-002	TH01022-005
SAMPLE DATE			10/16/2017	12/07/2017	07/27/2018	12/06/2017	07/31/2018	12/06/2017	07/30/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	<3.5
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	<3.5
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	<3.5
N-Ethyl perfluorooctane sulfonamidoethanol	NA	NA	<4.2	<4.4		<4.1		<4.3	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<4.2	<4.4	<7.1	<4.1	<7	<4.3	<6.9
N-Methyl perfluorooctane sulfonamidoethanol	NA	NA	<4.2	<4.4		<4.1		<4.3	
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.2	110	100	<4.1	<3.5	<4.3	<3.5
Perfluorobutanoic acid (PFBA)	NA	NA	<8.3	18	17	<8.1	<3.5	<8.6	<3.5
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	<3.5
Perfluorodecanoic acid (PFDA)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	<3.5
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	<3.5
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.2	120	32	<4.1	<3.5	<4.3	<3.5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.2	88	79	<4.1	<3.5	<4.3	<3.5
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	6.9	250	280	<4.1	<3.5	<4.3	<3.5
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.2	33	49	6.4	<3.5	<4.3	<3.5
Perfluorononanoic acid (PFNA)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	<3.5
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	6.4
Perfluorooctane sulfonic acid (PFOS)	70	12	4.7	***150***	***45***	<4.1	<3.5	<4.3	<3.5
Perfluorooctanoic acid (PFOA)	70	12,000.00	3.3	***600***	***620***	<1.6	<1.7	<1.7	<1.7
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.2	17	16	<4.1	<3.5	<4.3	<3.5
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	<3.5
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	<3.5
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.2	<4.4	<3.5	<4.1	<3.5	<4.3	<3.5
Perfluorononane sulfonic acid (PFNS)	NA	NA			<7.1		<7		<6.9
Perfluoropentane sulfonic acid (PFPeS)	NA	NA			120		<3.5		<3.5

TABLE 4
SUMMARY OF MONITORING WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	MW-9S	MW-9S	MW-10D	MW-10D	MW-10M	MW-10M	MW-10S
SAMPLE NAME			MW-9S	MW-9S	MW-10D	MW-10D	MW-10M	MW-10M	MW-10S
LAB ID			K1713273-001	TH01022-004	K1800647-002	TH01022-007	K1800647-001	TH01022-008	K1800647-003
SAMPLE DATE			12/06/2017	07/31/2018	01/22/2018	08/01/2018	01/22/2018	08/01/2018	01/22/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<6.4	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
N-Ethyl perfluorooctane sulfonamidoethanol	NA	NA	<4.2		<4.4		<4.2		<4.2
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<4.2	<7	<4.4	<6.9	<4.2	<7.7	<4.2
N-Methyl perfluorooctane sulfonamidoethanol	NA	NA	<4.2		<4.4		<4.2		<4.2
Perfluorobutane sulfonic acid (PFBS)	NA	NA	5	<3.5	<4.4	<3.4	8.4	6.2	<4.2
Perfluorobutanoic acid (PFBA)	NA	NA	<8.3	<3.5	<8.8	<3.4	<8.3	<3.9	<8.3
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluorodecanoic acid (PFDA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	8.5
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.2	<3.5	<4.4	<3.4	4.5	5.2	8
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluorononanoic acid (PFNA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluorooctane sulfonic acid (PFOS)	70	12	<4.2	<3.5	<4.4	<3.4	12	12	***37***
Perfluorooctanoic acid (PFOA)	70	12,000.00	2.4	<1.7	<1.8	<1.7	9.3	7.3	15
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.2	<3.5	<4.4	<3.4	<4.2	<3.9	<4.2
Perfluorononane sulfonic acid (PFNS)	NA	NA		<7		<6.9		<7.7	
Perfluoropentane sulfonic acid (PFPeS)	NA	NA		<3.5		<3.4		<3.9	

TABLE 4
SUMMARY OF MONITORING WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	MW-10S	MW-11D	MW-11D	MW-11M	MW-11M	MW-11S	MW-11S
SAMPLE NAME			MW-10S	MW-11D	MW-11D	MW-11M	MW-11M	MW-11S	MW-11S
LAB ID			TH01022-003	K1713273-012	TH01022-016	K1713273-015	TH01022-017	K1713273-011	TH01022-018
SAMPLE DATE			07/31/2018	12/08/2017	08/02/2018	12/08/2017	08/02/2018	12/08/2017	08/02/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<3.5	<8.1	<3.6	<4.1	<3.4	<4.3	<3.7
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<3.5	<7.7	<3.6	<4.1	<3.4	<4.3	<3.7
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
N-Ethyl perfluorooctane sulfonamidoethanol	NA	NA		<4.1		<4.1		<4.3	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<7	<4.1	<7.1	<4.1	<6.9	<4.3	<7.4
N-Methyl perfluorooctane sulfonamidoethanol	NA	NA		<4.1		<4.1		<4.3	
Perfluorobutane sulfonic acid (PFBS)	NA	NA	4	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorobutanoic acid (PFBA)	NA	NA	<3.5	<8.1	<3.6	<8.1	<3.4	<8.6	<3.7
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorodecanoic acid (PFDA)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorododecanoic acid (PFDoDA)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	5.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluoroheptanoic acid (PFHpA)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	10	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorohexanoic acid (PFHxA)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorononanoic acid (PFNA)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorooctane sulfonamide (FOSA)	NA	NA	<3.5	<4.1	14	<4.1	<3.4	<4.3	<3.7
Perfluorooctane sulfonic acid (PFOS)	70	12	***41***	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorooctanoic acid (PFOA)	70	12,000.00	14	<1.6	<1.8	<1.6	<1.7	<1.7	<1.9
Perfluoropentanoic acid (PFPeA)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<3.5	<4.1	<3.6	<4.1	<3.4	<4.3	<3.7
Perfluorononane sulfonic acid (PFNS)	NA	NA	<7		<7.1		<6.9		<7.4
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<3.5		<3.6		<3.4		<3.7

TABLE 4
SUMMARY OF MONITORING WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	HT-MW-14D	HT-MW-14M	HT-MW-14S	HT-MW-15D	HT-MW-15I	HT-MW-15S	HT-MW-17D
SAMPLE NAME			MW-14D	MW-14M	MW-14S	MW-15D	MW-15I	MW-15S	MW-17D
LAB ID			TD12015-001	TD12015-003	TD12015-005	K1802511-008	K1802511-007	K1802511-006	K1803589-002
SAMPLE DATE			04/10/2018	04/10/2018	04/10/2018	03/15/2018	03/15/2018	03/15/2018	04/17/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<7.2	<7.3	<7.3	<4.7	<4.7	<4.6	<4.6
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<7.2	<7.3	<7.3	<4.7	<4.7	<4.6	<4.6
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<7.2	<7.3	<7.3	<4.7	<4.7	<4.6	<4.6
N-Ethyl perfluorooctane sulfonamidoethanol	NA	NA				<4.7	<4.7	<4.6	<4.6
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<14	<15	<15	<4.7	<4.7	<4.6	<4.6
N-Methyl perfluorooctane sulfonamidoethanol	NA	NA				<4.7	<4.7	<4.6	<4.6
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	8.6	440
Perfluorobutanoic acid (PFBA)	NA	NA	<3.6	<3.6	<3.7	<9.4	<9.4	<9.3	140
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	<4.6
Perfluorodecanoic acid (PFDA)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	<4.6
Perfluorododecanoic acid (PFDoDA)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	<4.6
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	81
Perfluoroheptanoic acid (PFHpA)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	510
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	1,200
Perfluorohexanoic acid (PFHxA)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	420
Perfluorononanoic acid (PFNA)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	<4.6
Perfluorooctane sulfonamide (FOSA)	NA	NA	<7.2	<7.3	<7.3	<4.7	<4.7	<4.6	<4.6
Perfluorooctane sulfonic acid (PFOS)	70	12	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	***72***
Perfluorooctanoic acid (PFOA)	70	12,000.00	<3.6	<3.6	<3.7	<1.9	<1.9	<1.9	***1,300***
Perfluoropentanoic acid (PFPeA)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	160
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<7.2	<7.3	<7.3	<4.7	<4.7	<4.6	<4.6
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	<4.6
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<3.6	<3.6	<3.7	<4.7	<4.7	<4.6	<4.6
Perfluorononane sulfonic acid (PFNS)	NA	NA	<7.2	<7.3	<7.3				
Perfluoropentane sulfonic acid (PFPeS)	NA	NA	<3.6	<3.6	<3.7				

TABLE 4
SUMMARY OF MONITORING WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	HT-MW-17M	HT-MW-17S	HS-MW-18D	HS-MW-18S	HT-MW-19D	HT-MW-19S	HT-MW-21D
SAMPLE NAME			MW-17M	MW-17S	MW-18D	MW-18S	MW-19D	MW-19S	MW-21D
LAB ID			K1803589-003	K1803589-001	TG07027-006	TG07027-005	K1802511-009	K1802511-010	K1802511-005
SAMPLE DATE			04/17/2018	04/17/2018	07/06/2018	07/06/2018	03/16/2018	03/16/2018	03/15/2018
Parameter (ng/l)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
N-Ethyl perfluorooctane sulfonamidoethanol	NA	NA	<4.5	<4.9			<4.9	<4.5	<4.7
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<4.5	<4.9	<7	<7	<4.9	<4.5	<4.7
N-Methyl perfluorooctane sulfonamidoethanol	NA	NA	<4.5	<4.9			<4.9	<4.5	<4.7
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.5	<4.9	24	<3.5	<4.9	<4.5	<4.7
Perfluorobutanoic acid (PFBA)	NA	NA	<8.9	<9.8	16	<3.5	<9.8	<9.1	<9.4
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
Perfluorodecanoic acid (PFDA)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.5	<4.9	9.5	<3.5	<4.9	<4.5	<4.7
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.5	<4.9	5.8	<3.5	<4.9	<4.5	<4.7
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.5	<4.9	19	<3.5	<4.9	<4.5	<4.7
Perfluorononanoic acid (PFNA)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
Perfluorooctane sulfonic acid (PFOS)	70	12	<4.5	<4.9	<3.5	<3.5	<4.9	7.5	6.1
Perfluorooctanoic acid (PFOA)	70	12,000.00	<1.8	<2	9.2	<1.8	<2	<1.8	<1.9
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.5	<4.9	14	<3.5	<4.9	<4.5	<4.7
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.5	<4.9	<3.5	<3.5	<4.9	<4.5	<4.7
Perfluorononane sulfonic acid (PFNS)	NA	NA			<7	<7			
Perfluoropentane sulfonic acid (PFPeS)	NA	NA			11	<3.5			

TABLE 4
SUMMARY OF MONITORING WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

LOCATION	PART 201 GENERIC RESIDENTIAL GROUNDWATER CLEANUP CRITERIA - DRINKING WATER	PART 201 GENERIC GROUNDWATER CLEANUP CRITERIA - GROUNDWATER SURFACE WATER INTERFACE	HT-MW-21I	HT-MW-21S
SAMPLE NAME			MW-21I	MW-21S
LAB ID			K1802511-002	K1802511-001
SAMPLE DATE			03/15/2018	03/15/2018
Parameter (ng/l)				
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	<4.7	<4.7
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	<4.7	<4.7
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	NA	<4.7	<4.7
N-Ethyl perfluorooctane sulfonamidoethanol	NA	NA	<4.7	<4.7
N-Methyl perfluorooctane sulfonamide (MeFOSA)	NA	NA	<4.7	<4.7
N-Methyl perfluorooctane sulfonamidoethanol	NA	NA	<4.7	<4.7
Perfluorobutane sulfonic acid (PFBS)	NA	NA	<4.7	<4.7
Perfluorobutanoic acid (PFBA)	NA	NA	<9.4	<9.4
Perfluorodecane sulfonic acid (PFDS)	NA	NA	<4.7	<4.7
Perfluorodecanoic acid (PFDA)	NA	NA	<4.7	<4.7
Perfluorododecanoic acid (PFDoDA)	NA	NA	<4.7	<4.7
Perfluoroheptane sulfonic acid (PFHpS)	NA	NA	<4.7	<4.7
Perfluoroheptanoic acid (PFHpA)	NA	NA	<4.7	<4.7
Perfluorohexane sulfonic acid (PFHxS)	NA	NA	<4.7	<4.7
Perfluorohexanoic acid (PFHxA)	NA	NA	<4.7	<4.7
Perfluorononanoic acid (PFNA)	NA	NA	<4.7	<4.7
Perfluorooctane sulfonamide (FOSA)	NA	NA	<4.7	<4.7
Perfluorooctane sulfonic acid (PFOS)	70	12	***17***	9.2
Perfluorooctanoic acid (PFOA)	70	12,000.00	<1.9	5.6
Perfluoropentanoic acid (PFPeA)	NA	NA	<4.7	<4.7
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	<4.7	<4.7
Perfluorotridecanoic acid (PFTrDA)	NA	NA	<4.7	<4.7
Perfluoroundecanoic acid (PFUnDA)	NA	NA	<4.7	<4.7
Perfluorononane sulfonic acid (PFNS)	NA	NA		
Perfluoropentane sulfonic acid (PFPeS)	NA	NA		

TABLE 4
SUMMARY OF MONITORING WELL SAMPLE ANALYSIS - PFAS
HOUSE STREET SITE
PLAINFIELD TOWNSHIP, MICHIGAN

NOTES:
1. Concentration and criteria units are nano-grams per liter (ng/L) or parts per trillion (ppt); "< RL" indicates the compound was analyzed for but not detected above the method detection limit; RL = Reporting Limit

2. Bold indicates that compound was detected above the RL. Italic number with thick line border or italic chemical indicates that compound was detected above the Michigan Part 201 groundwater cleanup criteria.

3. Michigan Part 201 groundwater cleanup criteria protective of drinking water uses were based on MDEQ 's Table 1, Groundwater: Residential and Nonresidential, Part 201 Generic Cleanup cCiteria and Screening Levels, June 2018.

4. The cleanup criteria of 70 ppt was established for the combined concentrations of PFOA and PFOS.