EMAIL: chris.ralston@maryland.gov

June 18, 2018

Mr. Christopher Ralston
Maryland Department of the Environment
Remediation Division, Oil Control Program
1800 Washington Blvd., Suite 620
Baltimore, Maryland 21230

RE: Report of Results: Transducer Installation – Supply Well at 3627A Southside Ave and Pumping Test – MW-189D
Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, Baltimore County, Maryland
MDE Case # 2006-0303-BA2
Kleinfelder Project No.: 20183146.001A

Dear Mr. Ralston:

This letter report summarizes the results of (1) the transducer installation in the supply well located at 3627A Southside Avenue, and (2) the packer / pumping test in MW-189D. These activities were conducted by Kleinfelder on behalf of ExxonMobil Environmental Services Company (ExxonMobil) according to the "*Report of Results: Pump Test in MW-78C; HydraSleeve™ Sampling – 3627A Southside Avenue Supply Well; and Low-Flow Sampling in MW-189D*"[1] ("Report of Results") submitted in November 2017 and approved by the MDE in a letter dated February 28, 2018.[2]

Per the Report of Results, the following activities were completed:

1. Install pressure transducer in the supply well at 3627A Southside Avenue to record changes in the water column elevation during: (i) 30 days of regular household water usage, and (ii) one 2-hour event of continuous water usage to induce prolonged water column draw-down;
2. Evaluate raising the 3627A Southside Avenue supply well pump to a shallower elevation within a zone of expected lesser concentrations of methyl tertiary butyl ether (MtBE).

[1] Kleinfelder, November 30, 2017, *Report of Results: Pump Test in MW-78C; HydraSleeve™ Sampling – 3627A Southside Avenue Supply Well; and Low-Flow Sampling in MW-189D.*
[2] MDE, February 28, 2018, *Approval of Recommendations.*

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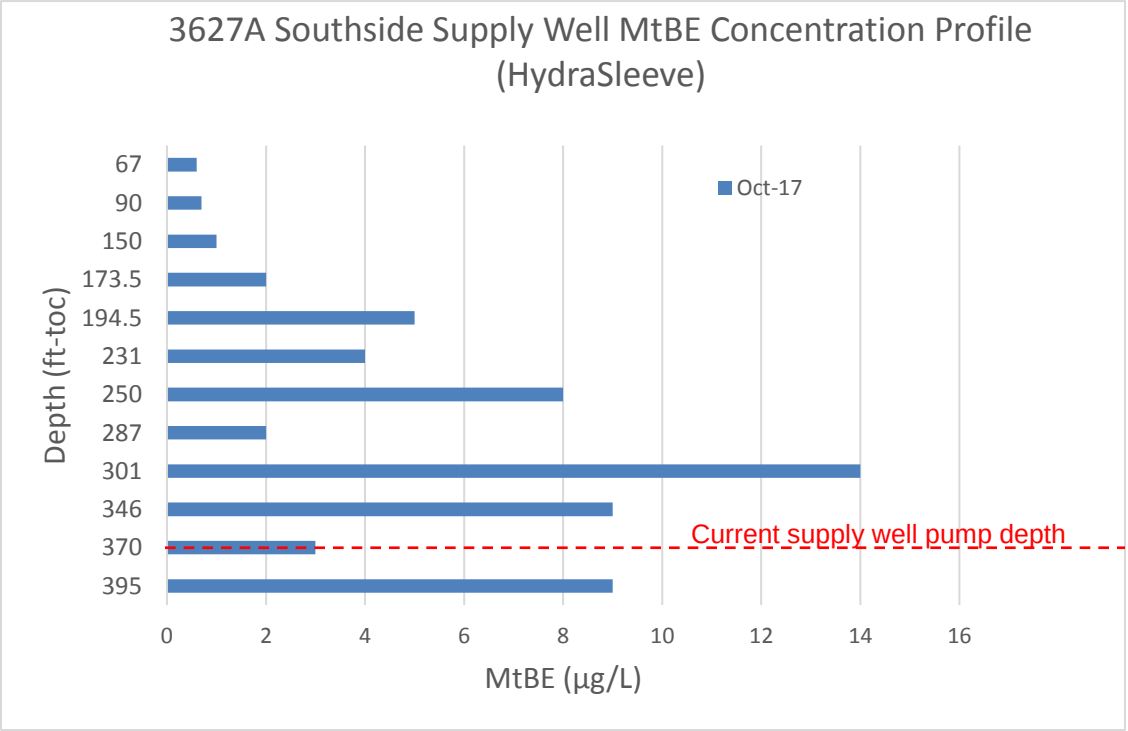
3. A pump test in MW-189D to assess: a) whether the packer in place at ~70-75' below ground surface (bgs) was sealing the upper zone (preventing lower-concentration shallow water above the packer assembly from entering the deeper portions of the well); and, b) whether evacuating the well would entrain water from the deeper zone of the formation to confirm the presence or absence of impact at depth.

TRANSDUCER INSTALLATION IN 3627A SOUTHSIDE AVENUE SUPPLY WELL

Background

In October 2017, HydraSleeve™ samples were collected from 12 intervals in the supply well at 3627A Southside Avenue. HydraSleeve™ interval elevations were selected to correlate with potential fracture features in the supply well, and with fracture features / sampling results from MW-189D. HydraSleeve™ sample results from the supply well at 3627A Southside Avenue exhibit a discrete profile with concentrations generally increasing with depth, similar to the profile in MW-189D.



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No single HydraSleeve™ result exhibited MtBE concentrations greater than or equal to those observed in samples collected from the bladder tank in the months leading up to the HydraSleeve™sampling. Removing the supply well pump to conduct the HydraSleeve™ sampling may have caused intra-well mixing of MtBE-impacted groundwater up the water column, potentially muting the discrete interval results.

Field Activities

On March 19, 2018, Carroll Water (a Maryland-licensed plumber), opened the supply well at 3627A Southside Avenue and removed the well pump in order to install a pressure transducer. A Solinst Levelogger Edge pressure transducer was secured to the supply well pump wiring approximately 40' above the pump. The pump was then re-deployed to approximately 370' bgs, with the transducer located at approximately 330' bgs.

Once the transducer was confirmed to be functioning, the well was chlorinated and closed. A foam gasket was placed under the well cover to allow passage out of the well for the direct-read data cable for the transducer such that data could be collected without opening the well and further interrupting the homeowner's water supply.

To flush the chlorination, the homeowner purged the well for several hours at a time over the course of the following seven days from March 20-26, 2018. Once the chlorine was flushed, a sample was collected and sent to Fountain Valley Analytical Laboratory, Inc. (Fountain Valley) for analysis of coliform bacteria. The result came back at 1 Most Probable Number [of viable bacteria] per 100 ml of sample [MPN]). The acceptable level for drinking water is <1 MPN.

On March 29, 2018, Carroll Water re-opened the well, chlorinated it for a second time, and re-secured the well cover. The homeowner purged the well over the course of five days to purge the chlorine. On April 2, 2018, pH test strips indicated that the chlorine was flushed, and a sample was collected and sent to Fountain Valley for analysis of coliform bacteria. The results came back on April 4, 2018 within acceptable limits (<1 MPN of coliform bacteria).

Since the transducer was installed, monthly supply well sampling at the property has continued; results of this sampling are summarized in **Table 1**.

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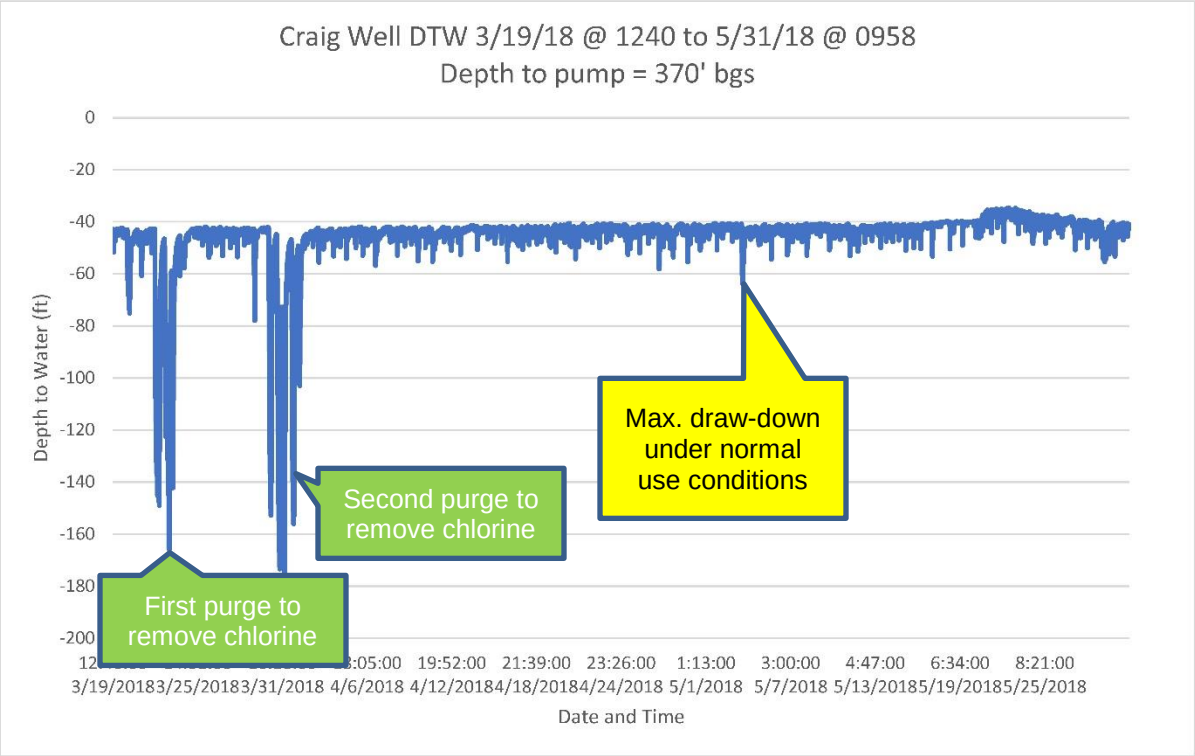
Results

Transducer data were collected via direct-read cable over the course of 74 days (3/19/18 through 5/31/18) and plotted (see graphic below, also provided as **Attachment 1**). The multi-hour purges of the well conducted by the homeowner to flush the chlorine drew the water in the well down to approximately 180' bgs. These multiple purge events served as the proposed high-water use testing. Since the transducer has been deployed, the maximum recorded drawdown during times of normal household water use has been 63.82 feet bgs on May 2, 2018.



Conclusions and Recommendations

Based on the transducer data, Kleinfelder recommends raising the supply well pump by 190 feet, to a depth of 180' bgs. This depth is more than 115 feet below the maximum drawdown observed during regular household water use, and approximately equal to the maximum drawdown observed during high-volume water purge events when flushing chlorine from the system.

The 2017 geophysical study of the supply well indicated significant fractures at 150 and 173' bgs, which are likely contributing significantly to the well's yield. The HydraSleeve™ result profile

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included above suggests the depth of 180' bgs may have concentrations of MtBE below the MDE standard of 20 µg/L, and is above the zone in the well where MtBE concentrations begin to increase with depth.

There is currently a point of entry treatment (POET) system in place at the residence, which is effectively removing gasoline constituents, including MtBE, from the water supplied to the house. Whether or not the pump is raised, the home is provided water that meets MDE action levels for gasoline constituents.

PUMPING TEST – MW-189D

Background

Following a steady decline in MtBE concentration from HydraSleeve™ samples collected from MW-189D during 2017, Kleinfelder conducted a low-flow sampling event in October 2017 to attempt to entrain water from the formation and confirm the presence of higher MtBE impact peripheral to the borehole. The low-flow sampling was not able to demonstrate the presence of higher-MtBE impact outside the well; analytical results obtained by low-flow sampling were similar to the previous HydraSleeve™ results.

Four potential reasons for reduced MtBE concentrations:

1. MtBE concentrations in the area diminished since the well was installed in late 2016.
2. Dilution occurred inside and/or outside the borehole from shallow non-impacted high flow groundwater; more time may be required for the well to overcome the established equilibrium with the formation.
3. The low-flow results reflected normal MtBE fluctuations related to changing aquifer conditions as affected by change in recharge (precipitation events), vadose zone changes wet periods, dry periods), etc. This could be confirmed with continued periodic sampling;
4. The packer may not have sealed off the upper high-flow, non-impacted shallow portion of the aquifer, diluting MtBE concentrations below the packer.

To test reason 4 above, Kleinfelder proposed testing the packer in place at ~70-75' to confirm it was isolating high-flow, low-concentration shallow water from the deeper portion of the well. If the packer demonstrated it was isolating the upper zone, the well (below the packer) would be

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evacuated and samples collected upon recharge for analysis of benzene, toluene, ethylbenzene, xylenes (BTEX) and five fuel oxygenates, including MtBE.

Field Activities

Packer Integrity Test

On March 26, 2018, the water level was gauged inside the packer piping with an electronic interface probe (EIP) and recorded at 12.01' bgs. A 2" electric-powered pump was lowered inside the packer piping to approximately 82.3' bgs (below the packer assembly). The pump was activated for approximately five minutes to draw down water inside the packer pipe to below the packer and create a void while monitoring the water level outside the packer to assess the packer seal. Approximately 8.5 gallons of water were purged from inside the packer piping. After the pumping, the well was allowed to recharge. Gauging data from outside the packer piping (between packer piping and the 6" steel well casing) remained steady at approximately 10' bgs, indicating the packer was effectively sealing off the upper, high-flow zone from the lower portion of the well. After approximately 90 minutes, the groundwater level inside the packer piping (from beneath the packer) rebounded to 43.15' bgs.

Well Evacuation

On March 26, 2018, following the packer integrity test, the 2" pump was retrieved from the well and a 3" high-velocity pump was lowered to approximately 340' bgs. This pump was lowered to evacuate water from below the packer to the pump depth twice over two days with time for recharge overnight. During the first purge, which lasted approximately 23 minutes, approximately 1,016 gallons of water were pumped, transported and treated via the onsite treatment system.
The following day (March 27, 2018), the well was again purged down to the pump intake at 340' and allowed to recharge. Following the second purge, a sample was collected using the pump and tubing. This groundwater sample represented then-current aquifer conditions from the formation outside the well. The sample was sent to Eurofins Lancaster Laboratories Environmental (Lancaster) for analysis of target VOCs via EPA method 8260. Targeted compounds included BTEX and five fuel oxygenates (MTBE, TBA [tertiary butyl alcohol], DIPE [diisopropyl ether], TAME [tertiary amyl methyl ether], and ETBA [ethyl tertiary butyl ether]).

Following the test, attempts to remove the pump failed, due to wiring becoming tangled and stuck inside the packer piping. To retrieve the pump, the entire packer assembly was removed using a hoist truck. The pump and packer were removed on April 12, 2018, and were not re-installed due

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to challenges experienced during initial packer installation. HydraSleeve™ sampling resumed in MW-189D following removal of the pump and packer piping.

Results

Analytical results from the grab sample collected on March 27, 2018 showed MtBE at 130 µg/L (**see Table 2** and analytical laboratory report in **Attachment 3**). The elevated MtBE concentration suggests impact remains in the formation at depth. The table below shows HydraSleeve™ sampling results for MtBE from samples collected on April 17, 2018 (five days after the packer was removed) and on May 15, 2018 (one month after the packer was removed).

Interval (feet bgs)	MtBE (µg/L)	
	April 17, 2018	May 15, 2018
79	100	10
91.5	97	10
117-119	140	9
122	170	9
138-140	76	10
161	180	31
216	190	24
256-258	220	52
278	120	75
315	200	63
357	140	53
374	190	55

Charts showing MtBE concentrations over time from February 2017 through May 2018 for each HydraSleeve™ interval can be found in **Attachment 2**.

Conclusions and Recommendations

Based on the recharge grab sample and the April 2018 HydraSleeve™ sampling results, low-level MtBE impact remains at depth in the formation of MW-189D. The May 2018 HydraSleeve™ results indicate that without the packer, high-flow, low-concentration water from the upper zone is likely diluting deeper MtBE concentrations in the borehole.

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Kleinfelder recommends conducting a downhole video survey, coupled with a deviation survey in MW-189D. The video survey will document the conditions of the well sidewall and indicate what caused the challenges with initial packer installation and whether that condition still exists. The deviation survey will map the depth progression of the well in 3D space and indicate if the bottom of MW-189D is significantly offset from the top of casing, further refining our knowledge of where the MtBE impact is located in MW-189D.

If you have any additional questions regarding this report and the recommendations contained herein, please contact the undersigned at 410.850.0404.

Sincerely,

KLEINFELDER

Stacey Schiding
Project Manager

Mark J. Schaaf, CPG
Project Director

FIGURES

1 Site Map

TABLES

1 Groundwater Analytical Data for 3627A Southside Avenue Supply Well
2 Groundwater Analytical Data for MW-189D

ATTACHMENTS

1 3627A Southside Avenue Transducer Chart
2 MW-189D MtBE Charts
3 Laboratory Analytical Data

cc: Mr. Clarke Bozeman – ExxonMobil Environmental Services (project file)
Mr. Andrew Miller – Maryland Department of the Environment
Ms. Ellen Jackson – Maryland Department of the Environment
Stephanie Cobb Williams, Esq. – Maryland Department of the Environment

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FIGURE

3627A Southside Supply Well

MW-189D

Legend

- Recovery Activity
- Monitoring Only
- Abandoned Monitoring Well
- Private Supply Well
- Surface Water Sample
- Building Footprint
- Property Boundary (Approx.)
- Roads and Parking
- Retention Basin
- Stream
- Intermittent
- Water Body

0 120 240 360 480 Feet

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PROJECT NO.	20173385
DRAWN:	11/22/2017
DRAWN BY:	B. Myers
CHECKED BY:	C. Low

SITE PLAN
AS OF SEPTEMBER 30, 2017

INACTIVE EXXON FACILITY #28077
14258 JARRETTSVILLE PIKE
PHOENIX, MARYLAND
BALTIMORE COUNTY

FIGURE
1

TABLES

Table 1 - Historical Private Supply Well Analytical Table

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, Maryland

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
M36P122LNA	3627A Southside Avenue	3/21/2006	PIO	0.30 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/19/2006	PIO	0.38 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	6/14/2006	PIO	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	8/16/2006	PIO	0.29 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/22/2007	PIO	0.33 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/9/2007	PIO	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	7/17/2007	PIO	0.26 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/24/2007	PIO	0.54	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/15/2008	PIO	0.76	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/3/2008	PIO	0.76	ND(0.50)	0.20 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	7/14/2008	PIO	0.48 J	ND(0.50)	0.12 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/8/2008	PIO	0.68	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/13/2009	PIO	0.92	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/2/2009	PIO	0.50	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	7/9/2009	PIO	0.64	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/8/2009	PIO	0.89	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/11/2010	PIO	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/12/2010	PIO	ND(0.50)	ND(0.50)	0.20 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	7/13/2010	PIO	0.50	ND(0.50)	2.6	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/21/2010	PIO	1.6	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.067 J	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/13/2011	PIO	1.9	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.10 J	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/11/2011	PIO	0.87	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	7/11/2011	PIO	1.3	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/17/2011	PIO	1.8	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/11/2012	PIO	1.6	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/11/2012	PIO	2.4	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.097 J	ND(5.0)
M36P122LNA	3627A Southside Avenue	7/13/2012	PIO	5.4	ND(0.50)	0.13 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.12 J	0.30 J	ND(5.0)
M36P122LNA	3627A Southside Avenue	9/11/2012	PEO	0.20 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	9/11/2012	PIO	7.3	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.14 J	0.40 J	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/2/2012	PIO	8.7	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.17 J	0.47 J	ND(5.0)

Table 1 - Historical Private Supply Well Analytical Table

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, Maryland

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
M36P122LNA	3627A Southside Avenue	11/6/2012	PEO	7.0	0.066 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.16 J	0.54	ND(5.0)
M36P122LNA	3627A Southside Avenue	11/6/2012	PIO	7.3	0.074 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.16 J	0.55	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/4/2012	PEO	0.29 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/4/2012	PIO	9.4	0.084 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.19 J	0.61	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/8/2013	PEO	0.31 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/8/2013	PIO	7.6	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.12 J	0.49 J	ND(5.0)
M36P122LNA	3627A Southside Avenue	2/6/2013	PEO	0.63	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	2/6/2013	PIO	0.37 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	3/5/2013	PEO	1.1	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	3/5/2013	PIO	10.3	0.10 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.19 J	0.81	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/2/2013	PEO	1.1	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/2/2013	PIO	10.3	0.12 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.18 J	0.77	ND(5.0)
M36P122LNA	3627A Southside Avenue	5/7/2013	PEO	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	5/7/2013	PIO	8.4	0.051 J	0.12 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.14 J	0.70	ND(5.0)
M36P122LNA	3627A Southside Avenue	6/4/2013	PEO	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	6/4/2013	PIO	9.5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.15 J	0.55	ND(5.0)
M36P122LNA	3627A Southside Avenue	7/2/2013	PEO	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	7/2/2013	PIO	12.4	0.083 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.19 J	0.85	ND(5.0)
M36P122LNA	3627A Southside Avenue	8/6/2013	PEO	ND(0.50)	ND(0.50)	1.1	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	8/6/2013	PIO	14.8	ND(0.50)	1.0	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.20 J	0.88	ND(5.0)
M36P122LNA	3627A Southside Avenue	8/14/2013	PEO	ND(0.50)	ND(0.50)	0.19 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	8/14/2013	PIO	13.8	0.18 J	0.40 J	ND(0.50)	ND(0.50)	ND(0.50)	0.097 J	0.25 J	1.0	ND(5.0)
M36P122LNA	3627A Southside Avenue	9/10/2013	PEO	ND(0.50)	ND(0.50)	0.13 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	9/10/2013	PIO	16.5	0.38 J	0.21 J	0.047 J	0.087 J	ND(0.50)	0.097 J	0.34 J	1.4	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/8/2013	PEO	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/8/2013	PIO	13.2	ND(0.50)	0.13 J	ND(0.50)	ND(0.50)	ND(0.50)	0.070 J	0.30 J	1.0	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/22/2013	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/22/2013	PI	8.9	0.19 J	0.074 J	ND(0.50)	ND(0.50)	ND(0.50)	0.056 J	0.21 J	0.81	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/22/2013	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	11/4/2013	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)

Table 1 - Historical Private Supply Well Analytical Table

Inactive Exxon Facility #28077
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Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
M36P122LNA	3627A Southside Avenue	11/4/2013	PI	14.9	0.29 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.072 J	0.33 J	1.3	ND(5.0)
M36P122LNA	3627A Southside Avenue	11/4/2013	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/3/2013	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/3/2013	PI	16.5	0.28 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.081 J	0.39 J	1.4	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/3/2013	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/19/2013	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/19/2013	PI	12.7	0.19 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.065 J	0.25 J	0.95	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/19/2013	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/7/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/7/2014	PI	17.1	0.18 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.074 J	0.31 J	1.2	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/7/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	2/4/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	2/4/2014	PI	16.1	0.20 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.091 J	0.31 J	1.3	ND(5.0)
M36P122LNA	3627A Southside Avenue	2/4/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	3/4/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	3/4/2014	PI	14.8	0.20 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.072 J	0.27 J	1.0	ND(5.0)
M36P122LNA	3627A Southside Avenue	3/4/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/8/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/8/2014	PI	0.15 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/8/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/24/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/24/2014	PI	0.11 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	4/24/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	5/6/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	5/6/2014	PI	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	5/6/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	6/3/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	6/3/2014	PI	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	6/3/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	7/8/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)

Table 1 - Historical Private Supply Well Analytical Table

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
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Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
M36P122LNA	3627A Southside Avenue	7/8/2014	PI	1.1	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	7/8/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	8/5/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	8/5/2014	PI	7.6	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.11 J	0.48 J	ND(5.0)
M36P122LNA	3627A Southside Avenue	8/5/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	9/9/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	9/9/2014	PI	23.3	0.20 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.12 J	0.38 J	1.7	ND(5.0)
M36P122LNA	3627A Southside Avenue	9/9/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/7/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	10/7/2014	PI	25.6	0.25 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.14 J	0.42 J	2.0	2.1 J
M36P122LNA	3627A Southside Avenue	10/7/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	11/4/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	11/4/2014	PI	26.4	0.36 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.12 J	0.45 J	2.0	ND(5.0)
M36P122LNA	3627A Southside Avenue	11/4/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/2/2014	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/2/2014	PI	26.5	0.21 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.11 J	0.45 J	2.0	ND(5.0)
M36P122LNA	3627A Southside Avenue	12/2/2014	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
M36P122LNA	3627A Southside Avenue	1/8/2015	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	1/8/2015	PI	28	0.3 J	ND(0.5)	ND(0.5)	ND(0.)	ND(0.5)	0.1 J	0.4 J	1.6	ND(25)
M36P122LNA	3627A Southside Avenue	1/8/2015	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	2/3/2015	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	2/3/2015	PI	25.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5 J	1.8	ND(25)
M36P122LNA	3627A Southside Avenue	2/3/2015	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	3/3/2015	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	3/3/2015	PI	26	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.4 J	1.7	ND(25)
M36P122LNA	3627A Southside Avenue	3/3/2015	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	4/7/2015	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	4/7/2015	PI	15	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	1.1	ND(25)
M36P122LNA	3627A Southside Avenue	4/7/2015	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	5/5/2015	PE	ND(0.5)	ND(0.5)	1.1	0.2 J	0.6	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)

Table 1 - Historical Private Supply Well Analytical Table

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Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
M36P122LNA	3627A Southside Avenue	5/5/2015	PI	22	0.1 J	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.3 J	1.2	ND(25)
M36P122LNA	3627A Southside Avenue	5/5/2015	PM	ND(0.5)	ND(0.5)	1.1	0.1 J	0.7	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	5/12/2015	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	5/12/2015	PI	21	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.3 J	0.9	ND(25)
M36P122LNA	3627A Southside Avenue	5/12/2015	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	6/2/2015	PE	ND(0.5)	ND(0.5)	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	6/2/2015	PI	18	ND(0.5)	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.4 J	0.6	ND(25)
M36P122LNA	3627A Southside Avenue	6/2/2015	PM	ND(0.5)	ND(0.5)	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	7/7/2015	PE	ND(0.5)	ND(0.5)	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	7/7/2015	PI	29	0.3 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.5 J	1.7	ND(25)
M36P122LNA	3627A Southside Avenue	7/7/2015	PM	ND(0.5)	ND(0.5)	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	8/11/2015	PE	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	8/11/2015	PI	19	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.3 J	1.4	ND(25)
M36P122LNA	3627A Southside Avenue	8/11/2015	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	8/20/2015	PE	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	8/20/2015	PI	20	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.3 J	1.2	ND(25)
M36P122LNA	3627A Southside Avenue	8/20/2015	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	9/15/2015	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	9/15/2015	PI	32	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.6	1.7	ND(25)
M36P122LNA	3627A Southside Avenue	9/15/2015	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	10/6/2015	PE	ND(0.5)	ND(0.5)	4.7	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	10/6/2015	PI	36	0.3 J	6.2	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5	2.8	ND(25)
M36P122LNA	3627A Southside Avenue	10/6/2015	PM	ND(0.5)	ND(0.5)	4.2	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	11/3/2015	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	11/3/2015	PI	32	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5 J	2.6	ND(25)
M36P122LNA	3627A Southside Avenue	11/3/2015	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	12/8/2015	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	12/8/2015	PI	33	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5 J	2.4	ND(25)
M36P122LNA	3627A Southside Avenue	12/8/2015	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	1/5/2016	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)

Table 1 - Historical Private Supply Well Analytical Table

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, Maryland

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
M36P122LNA	3627A Southside Avenue	1/5/2016	PI	31	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.5 J	2.0	ND(25)
M36P122LNA	3627A Southside Avenue	1/5/2016	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	2/2/2016	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	2/2/2016	PI	34	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5 J	2.0	ND(25)
M36P122LNA	3627A Southside Avenue	2/2/2016	PM	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	3/8/2016	PE	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	3/8/2016	PI	0.2 J	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	3/8/2016	PM	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	4/5/2016	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	4/5/2016	PI	6.7	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.5	ND(25)
M36P122LNA	3627A Southside Avenue	4/5/2016	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	5/3/2016	PE	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	5/3/2016	PI	20	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	1.1	ND(25)
M36P122LNA	3627A Southside Avenue	5/3/2016	PM	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	6/7/2016	PE	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	6/7/2016	PI	23	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.4 J	1	ND(25)
M36P122LNA	3627A Southside Avenue	6/7/2016	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	7/12/2016	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	7/12/2016	PI	26	0.3 J	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	0.5 J	1.2	ND(25)
M36P122LNA	3627A Southside Avenue	7/12/2016	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	8/2/2016	PE	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	8/2/2016	PI	35	0.3 J	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	0.6	1.5	ND(25)
M36P122LNA	3627A Southside Avenue	8/2/2016	PM	ND(0.5)	ND(0.5)	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	8/29/2016	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	8/29/2016	PI	27	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.4 J	1.1	ND(25)
M36P122LNA	3627A Southside Avenue	8/29/2016	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	9/13/2016	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	9/13/2016	PI	41	0.2 J	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	0.6	2.7	ND(25)
M36P122LNA	3627A Southside Avenue	9/13/2016	PM	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	10/4/2016	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)

Table 1 - Historical Private Supply Well Analytical Table

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, Maryland

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
M36P122LNA	3627A Southside Avenue	10/4/2016	PI	39	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.6	2.8	ND(25)
M36P122LNA	3627A Southside Avenue	10/4/2016	PM	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	11/8/2016	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	11/8/2016	PI	36	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5	2.4	ND(25)
M36P122LNA	3627A Southside Avenue	11/8/2016	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	12/6/2016	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	12/6/2016	PI	38	0.4 J	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.6	2.3	ND(25)
M36P122LNA	3627A Southside Avenue	12/6/2016	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	1/10/2017	PE	ND(0.5)	ND(0.5)	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	1/10/2017	PI	42	0.5	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.6	2.7	ND(25)
M36P122LNA	3627A Southside Avenue	1/10/2017	PM	ND(0.5)	ND(0.5)	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	2/7/2017	PE	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	2/7/2017	PI	48	0.4 J	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5	2.8	ND(25)
M36P122LNA	3627A Southside Avenue	2/7/2017	PM	ND(0.5)	ND(0.5)	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	3/7/2017	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	3/7/2017	PI	42	0.3 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	0.6	2.7	ND(25)
M36P122LNA	3627A Southside Avenue	3/7/2017	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	4/4/2017	PE	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	4/4/2017	PI	39	0.6	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.6	2.9	ND(25)
M36P122LNA	3627A Southside Avenue	4/4/2017	PM	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	5/2/2017	PE	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	5/2/2017	PI	45	0.4 J	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5	2.7	ND(25)
M36P122LNA	3627A Southside Avenue	5/2/2017	PM	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	6/7/2017	PE	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	6/7/2017	PI	34	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5 J	2.1	ND(25)
M36P122LNA	3627A Southside Avenue	6/7/2017	PM	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	7/11/2017	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	7/11/2017	PI	36	0.2 J	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.4 J	2.1	ND(25)
M36P122LNA	3627A Southside Avenue	7/11/2017	PM	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	8/8/2017	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)

Table 1 - Historical Private Supply Well Analytical Table

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, Maryland

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
M36P122LNA	3627A Southside Avenue	8/8/2017	PI	44	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	0.6	2.7	ND(25)
M36P122LNA	3627A Southside Avenue	8/8/2017	PM	ND(0.5)	ND(0.5)	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	9/12/2017	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	9/12/2017	PI	41	0.1 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	0.6	2.9	ND(25)
M36P122LNA	3627A Southside Avenue	9/12/2017	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	10/17/2017	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	10/17/2017	PI	49	0.8	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	0.7	3.5	ND(25)
M36P122LNA	3627A Southside Avenue	10/17/2017	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	11/7/2017	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	11/7/2017	PI	50	0.6	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	0.6	3.1	ND(25)
M36P122LNA	3627A Southside Avenue	11/7/2017	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	12/5/2017	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	12/5/2017	PI	43	0.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	0.6	3.6	ND(25)
M36P122LNA	3627A Southside Avenue	12/5/2017	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	1/9/2018	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	1/9/2018	PI	43	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.2 J	0.6	3.3	ND(25)
M36P122LNA	3627A Southside Avenue	1/9/2018	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	2/6/2018	PE	ND(0.20)	ND(0.10)	ND(0.10)	ND(0.30)	ND(0.10)	ND(0.30)	ND(0.10)	ND(0.060)	ND(0.10)	ND(0.50)
M36P122LNA	3627A Southside Avenue	2/6/2018	PI	38	ND(0.10)	ND(0.10)	ND(0.30)	ND(0.10)	ND(0.30)	ND(0.10)	ND(0.060)	ND(0.10)	ND(0.50)
M36P122LNA	3627A Southside Avenue	2/6/2018	PM	ND(0.20)	ND(0.10)	ND(0.10)	ND(0.30)	ND(0.10)	ND(0.30)	ND(0.10)	ND(0.060)	ND(0.10)	ND(0.50)
M36P122LNA	3627A Southside Avenue	3/6/2018	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	3/6/2018	PI	38	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.6	2.1	ND(25)
M36P122LNA	3627A Southside Avenue	3/6/2018	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	4/3/2018	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	4/3/2018	PI	31	0.4 J	0.2 J	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5	2.4	ND(25)
M36P122LNA	3627A Southside Avenue	4/3/2018	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	5/8/2018	PE	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)
M36P122LNA	3627A Southside Avenue	5/8/2018	PI	33	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.1 J	0.5 J	2.2	ND(25)
M36P122LNA	3627A Southside Avenue	5/8/2018	PM	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(25)

Table 1 - Historical Private Supply Well Analytical Table

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, Maryland

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)

Notes:

1. PI - Influent sample location. POET installed by ExxonMobil.
2. PIO - Influent sample location. POET installed by Others.

J - indicates an estimated value

TABLE 2

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

December 13, 2016 through May 15, 2018

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-189D(35)	12/13/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	During drilling
MW-189D(65)	12/14/2016	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	During drilling
MW-189D(72)	12/15/2016	ND(1)	22	ND(1)	ND(1)	22	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	During drilling
MW-189D(277)	12/16/2016	14	ND(1)	ND(1)	18	32	450	2	7	43	5 J	During drilling
MW-189D(384)	12/19/2016	3	ND(1)	ND(1)	ND(1)	3	490	2	7	46	12 J	During drilling
MW-189D(315-0.5)	10/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	Low flow
MW-189D(315-1.0)	10/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	19	Low flow
MW-189D(315-2.0)	10/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	24	Low flow
MW-189D(315-4.0)	10/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	41	Low flow
MW-189D(315-8.0)	10/13/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	2 J	Low flow
MW-189D(315-Initial)	10/16/2017	ND(1)	ND(1)	ND(1)	1	1	3	ND(1)	ND(1)	ND(1)	ND(5)	Low flow
MW-189D(315-5min)	10/16/2017	ND(1)	ND(1)	ND(1)	2	2	3	ND(1)	ND(1)	ND(1)	ND(5)	Low flow
MW-189D(315-10min)	10/16/2017	ND(1)	ND(1)	ND(1)	2	2	3	ND(1)	ND(1)	ND(1)	ND(5)	Low flow
MW-189D(278-10min)	10/16/2017	ND(1)	ND(1)	ND(1)	3	3	3	ND(1)	ND(1)	ND(1)	ND(5)	Low flow
MW-189D(257-10min)	10/16/2017	ND(1)	ND(1)	ND(1)	2	2	3	ND(1)	ND(1)	ND(1)	ND(5)	Low flow
MW-189D(216-10min)	10/16/2017	ND(1)	ND(1)	ND(1)	2	2	3	ND(1)	ND(1)	ND(1)	ND(5)	Low flow
MW-189D (A)	03/27/2018	1	37	ND(1)	1 J	39 J	130	1	3	11	ND(5)	Grab following purge
MW-189D(50)	04/17/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	5 J	
MW-189D(79)	03/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	ND(1)	ND(1)	0.9 J	12	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1 J	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	

Kleinfelder
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TABLE 2

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

December 13, 2016 through May 15, 2018

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-189D(79)	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	3	3	2	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	0.9 J	7	8 J	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	0.6 J	ND(1)	0.8 J	6	7 J	3	ND(1)	ND(1)	ND(1)	ND(20)	
	11/27/2017	ND(1)	ND(1)	0.7 J	5	6 J	4	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	0.9 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	1 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.7 J	0.7 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	ND(1)	2	2	2	ND(1)	ND(1)	ND(1)	ND(5)	
	04/17/2018	ND(1)	19	ND(1)	ND(1)	19	100	0.8 J	2	7	ND(5)	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	10	ND(1)	ND(1)	0.6 J	ND(20)	
MW-189D(91.5)	02/08/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	14	ND(1)	ND(1)	1	ND(20)	
	03/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	3	3	2	ND(1)	ND(1)	ND(1)	6	
	09/29/2017	ND(1)	ND(1)	1 J	8	9 J	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	ND(1)	ND(1)	1 J	7	8 J	4	ND(1)	ND(1)	ND(1)	ND(20)	

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TABLE 2

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

December 13, 2016 through May 15, 2018

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-189D(91.5)	11/27/2017	ND(1)	ND(1)	0.8 J	5	6 J	4	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	1 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	1	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.7 J	0.7 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	ND(1)	3	3	2	ND(1)	ND(1)	ND(1)	ND(5)	
	04/17/2018	ND(1)	19	ND(1)	ND(1)	19	97	0.7 J	2	7	ND(5)	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	10	ND(1)	ND(1)	0.6 J	ND(20)	
MW-189D(117-119)	02/08/2017	ND(1)	ND(1)	ND(1)	0.5 J	0.5 J	37	ND(1)	ND(1)	3	ND(20)	
	03/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	13	ND(1)	ND(1)	1	ND(5)	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	9	ND(1)	ND(1)	0.9 J	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	3	3	2	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	0.9 J	7	8 J	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	ND(1)	ND(1)	0.9 J	6	7 J	3	ND(1)	ND(1)	ND(1)	ND(20)	
	11/27/2017	ND(1)	ND(1)	0.8 J	6	7 J	4	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	0.9 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	1	9	10	8	ND(1)	ND(1)	0.5 J	ND(5)	
	04/17/2018	ND(1)	21	ND(1)	ND(1)	21	140	1	2	10	3 J	

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TABLE 2

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

December 13, 2016 through May 15, 2018

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-189D(117-119)	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	9	ND(1)	ND(1)	0.6 J	ND(20)	
MW-189D(122)	02/08/2017	ND(1)	ND(1)	ND(1)	0.5 J	0.5 J	37	ND(1)	ND(1)	3	ND(20)	
	03/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	16	ND(1)	ND(1)	1	ND(5)	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.6 J	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	1	1	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	0.9 J	7	8 J	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	2	ND(1)	ND(1)	3	5	1	ND(1)	ND(1)	ND(1)	ND(20)	
	11/27/2017	ND(1)	ND(1)	0.7 J	5	6 J	4	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	1 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.7 J	0.7 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	0.9 J	6	7 J	6	ND(1)	ND(1)	ND(1)	ND(5)	
	04/17/2018	ND(1)	22	ND(1)	ND(1)	22	170	1	3	11	3 J	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	9	ND(1)	ND(1)	0.6 J	ND(20)	
MW-189D(138-140)	02/08/2017	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	24	ND(1)	ND(1)	2	ND(20)	
	03/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	21	ND(1)	ND(1)	2	ND(5)	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	9	ND(1)	ND(1)	0.8 J	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	

TABLE 2

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

December 13, 2016 through May 15, 2018

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-189D(138-140)	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	3	3	2	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	0.8 J	6	7 J	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	ND(1)	ND(1)	0.9 J	6	7 J	3	ND(1)	ND(1)	ND(1)	ND(20)	
	11/27/2017	ND(1)	ND(1)	0.7 J	5	6 J	4	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	0.9 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	0.8 J	6	7 J	5	ND(1)	ND(1)	ND(1)	ND(5)	
	04/17/2018	ND(1)	4	ND(1)	ND(1)	4	76	0.6 J	1	5	ND(5)	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	10	ND(1)	ND(1)	0.7 J	ND(20)	
MW-189D(161)	02/08/2017	0.5 J	ND(1)	ND(1)	0.7 J	1.2 J	21	ND(1)	ND(1)	2	ND(20)	
	03/23/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	21	ND(1)	ND(1)	2	ND(5)	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	10	ND(1)	ND(1)	1	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	7	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.7 J	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	1	1	1	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	0.8 J	6	7 J	3	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	0.7 J	ND(1)	0.8 J	6	8 J	3	ND(1)	ND(1)	ND(1)	ND(20)	

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Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

December 13, 2016 through May 15, 2018

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-189D(161)	11/27/2017	ND(1)	ND(1)	0.7 J	4	5 J	4	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	1	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	0.6 J	5	6 J	4	ND(1)	ND(1)	ND(1)	ND(5)	
	04/17/2018	ND(1)	3	ND(1)	ND(1)	3	180	1	3	13	4 J	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	31	ND(1)	ND(1)	2	ND(20)	
MW-189D(216)	02/08/2017	0.9 J	ND(1)	ND(1)	1	2 J	100	0.6 J	1	8	ND(20)	
	03/23/2017	ND(1)	ND(1)	ND(1)	0.8 J	0.8 J	39	ND(1)	0.6 J	4	ND(5)	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	15	ND(1)	ND(1)	2	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	12	ND(1)	ND(1)	0.8 J	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	6	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	2	2	2	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	0.7 J	5	6 J	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	ND(1)	ND(1)	0.9 J	6	7 J	3	ND(1)	ND(1)	ND(1)	ND(20)	
	11/27/2017	ND(1)	ND(1)	0.5 J	4	5 J	3	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	1 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	1	8	9	8	ND(1)	ND(1)	0.5 J	ND(5)	
	04/17/2018	ND(1)	2	ND(1)	ND(1)	2	190	1	4	13	4 J	

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Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-189D(216)	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	24	ND(1)	ND(1)	2	ND(20)	
MW-189D(256-258)	02/08/2017	0.7 J	ND(1)	ND(1)	1	2 J	65	ND(1)	0.8 J	5	ND(20)	
	03/23/2017	ND(1)	ND(1)	ND(1)	0.9 J	0.9 J	48	ND(1)	0.7 J	4	ND(5)	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	20	ND(1)	ND(1)	2	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	21	ND(1)	ND(1)	2	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	10	ND(1)	ND(1)	0.6 J	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	ND(1)	0.6 J	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	0.8 J	0.8 J	3	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	0.7 J	5	6 J	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	ND(1)	ND(1)	0.9 J	6	7 J	3	ND(1)	ND(1)	ND(1)	ND(20)	
	11/27/2017	ND(1)	ND(1)	0.6 J	4	5 J	4	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	1 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	1	8	9	9	ND(1)	ND(1)	0.6 J	ND(5)	
	04/17/2018	ND(1)	1	ND(1)	ND(1)	1	220	2	4	15	4 J	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	52	ND(1)	0.8 J	3	ND(20)	
MW-189D(278)	02/08/2017	1	ND(1)	ND(1)	2	3	170	0.8 J	2	14	ND(20)	
	03/23/2017	ND(1)	ND(1)	ND(1)	0.5 J	0.5 J	16	ND(1)	ND(1)	2	ND(5)	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	26	ND(1)	ND(1)	3	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	18	ND(1)	ND(1)	2	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	14	ND(1)	ND(1)	0.9 J	ND(5)	

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Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-189D(278)	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7	ND(1)	ND(1)	0.6 J	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	2	2	2	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	0.6 J	4	5 J	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	ND(1)	ND(1)	0.8 J	6	7 J	3	ND(1)	ND(1)	ND(1)	ND(20)	
	11/27/2017	ND(1)	ND(1)	0.7 J	5	6 J	4	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	0.9 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	1 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.5 J	0.5 J	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	1 J	7	8 J	7	ND(1)	ND(1)	0.5 J	ND(5)	
	04/17/2018	ND(1)	8	ND(1)	ND(1)	8	120	0.8 J	2	8	4 J	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	75	ND(1)	1	5	ND(20)	
MW-189D(315)	02/08/2017	2	ND(1)	ND(1)	3	5	190	1	2	16	ND(20)	
	03/23/2017	ND(1)	ND(1)	ND(1)	2	2	55	ND(1)	0.8 J	5	ND(5)	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	21	ND(1)	ND(1)	2	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	ND(1)	ND(1)	0.6 J	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	11	ND(1)	ND(1)	0.6 J	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	3	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	0.6 J	4	5 J	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	3	ND(1)	ND(1)	2	5	0.7 J	ND(1)	ND(1)	ND(1)	ND(20)	

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Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-189D(315)	11/27/2017	ND(1)	ND(1)	0.6 J	4	5 J	3	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	1 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	1	7	8	5	ND(1)	ND(1)	ND(1)	ND(5)	
	04/17/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	200	2	4	14	3 J	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	63	ND(1)	0.9 J	4	ND(20)	
MW-189D(357)	02/08/2017	1	ND(1)	ND(1)	2	3	53	ND(1)	0.7 J	4	ND(20)	
	03/23/2017	0.5 J	ND(1)	ND(1)	1	2 J	65	ND(1)	0.9 J	6	ND(5)	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	21	ND(1)	ND(1)	2	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	11	ND(1)	ND(1)	0.8 J	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	8	ND(1)	ND(1)	0.7 J	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	3	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	0.5 J	4	5 J	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	2	ND(1)	ND(1)	3	5	1	ND(1)	ND(1)	ND(1)	ND(20)	
	11/27/2017	ND(1)	ND(1)	0.7 J	4	5 J	4	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	1 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	0.8 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	1 J	7	8 J	8	ND(1)	ND(1)	0.5 J	ND(5)	
	04/17/2018	ND(1)	3	ND(1)	ND(1)	3	140	1	3	9	4 J	

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Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
MW-189D(357)	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	53	ND(1)	0.7 J	3	ND(20)	
MW-189D(374)	02/08/2017	1	ND(1)	ND(1)	2	3	110	0.5 J	1	9	ND(20)	
	03/23/2017	0.6 J	ND(1)	ND(1)	1	2 J	85	ND(1)	1	8	2 J	
	04/27/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	14	ND(1)	ND(1)	1	ND(5)	
	05/04/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	4	ND(1)	ND(1)	ND(1)	ND(5)	
	05/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	12	ND(1)	ND(1)	0.7 J	ND(5)	
	06/28/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	07/24/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	5	ND(1)	ND(1)	ND(1)	ND(5)	
	08/03/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	1	ND(1)	ND(1)	ND(1)	ND(5)	
	08/31/2017	ND(1)	ND(1)	ND(1)	ND(1)	BRL	2	ND(1)	ND(1)	ND(1)	ND(5)	
	09/29/2017	ND(1)	ND(1)	ND(1)	4	4	2	ND(1)	ND(1)	ND(1)	ND(20)	
	10/31/2017	2	ND(1)	ND(1)	3	5	0.9 J	ND(1)	ND(1)	ND(1)	ND(20)	
	11/27/2017	ND(1)	ND(1)	0.7 J	4	5 J	4	ND(1)	ND(1)	ND(1)	ND(20)	
	12/29/2017	ND(1)	ND(1)	ND(1)	2	2	1 J	ND(1)	ND(1)	ND(1)	ND(20)	
	01/03/2018	ND(1)	ND(1)	ND(1)	2	2	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	02/27/2018	ND(1)	ND(1)	ND(1)	0.6 J	0.6 J	0.9 J	ND(1)	ND(1)	ND(1)	ND(5)	
	03/12/2018	ND(1)	ND(1)	0.8 J	6	7 J	6	ND(1)	ND(1)	ND(1)	ND(5)	
	04/17/2018	ND(1)	0.7 J	ND(1)	ND(1)	0.7 J	190	1	4	13	3 J	
	05/15/2018	ND(1)	ND(1)	ND(1)	ND(1)	BRL	55	ND(1)	0.8 J	3	ND(20)	

Notes:
[R] - Indicates the well was used for remediation at the time of reporting.
µg/L - micrograms per liter
AP - above packer

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TABLE 2

Summary of Groundwater Analytical Results
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

December 13, 2016 through May 15, 2018

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments

BP - below packer
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - di-isopropyl ether
ETBE - ethyl tert butyl ether
HS - Composite HydraSleeve
HS-D - deep composite HydraSleeve sampler; set at bottom of open borehole
HS-S - shallow composite HydraSleeve sampler; set at ½ of open borehole
J - Indicates an estimated value
MTBE - methyl tertiary butyl ether
NA - Not analyzed
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS - Not sampled
PW - Inactive supply well being used as a monitoring/sampling location
TAME - tert-amyl methyl ether
TBA - tert butyl alcohol

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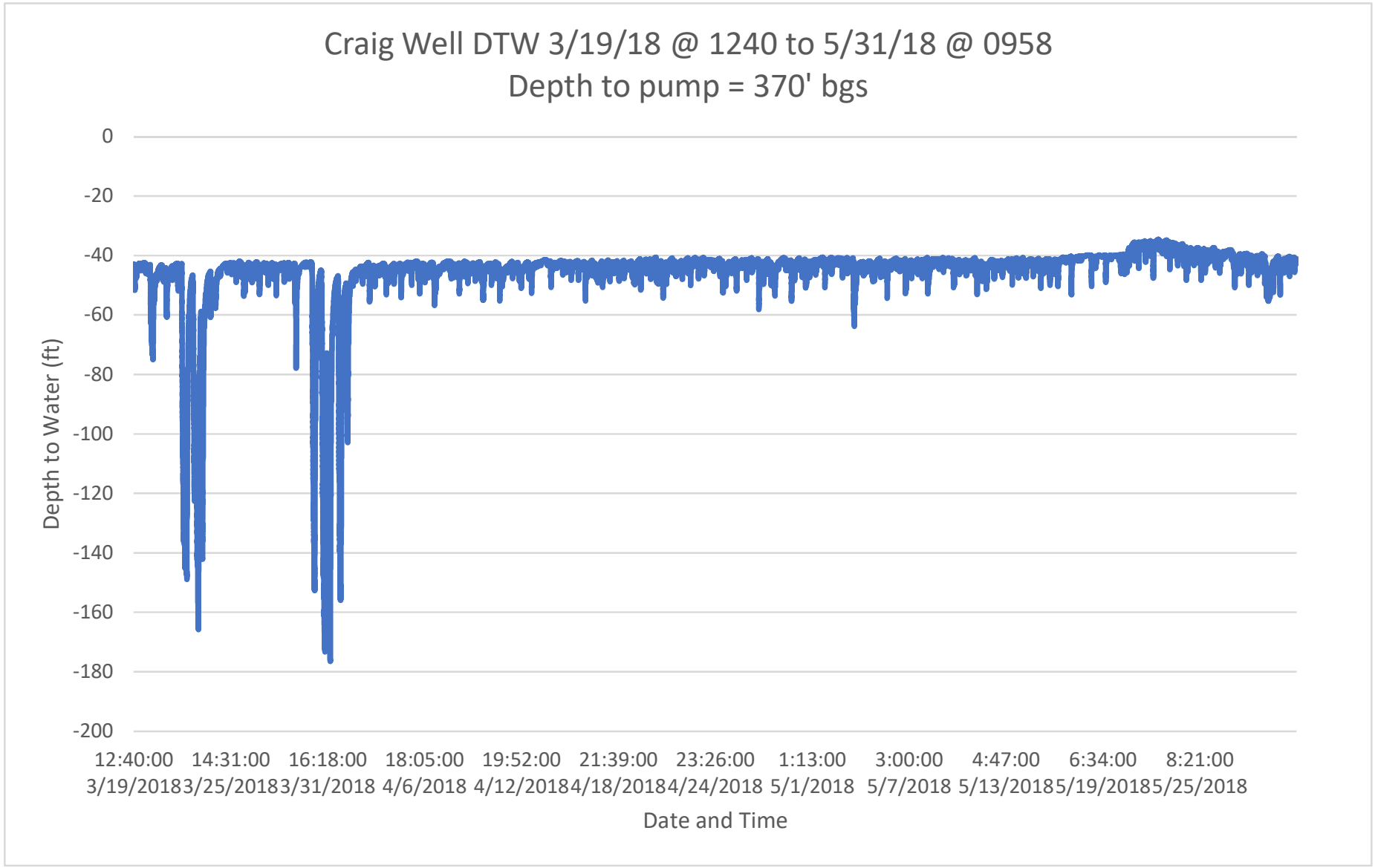
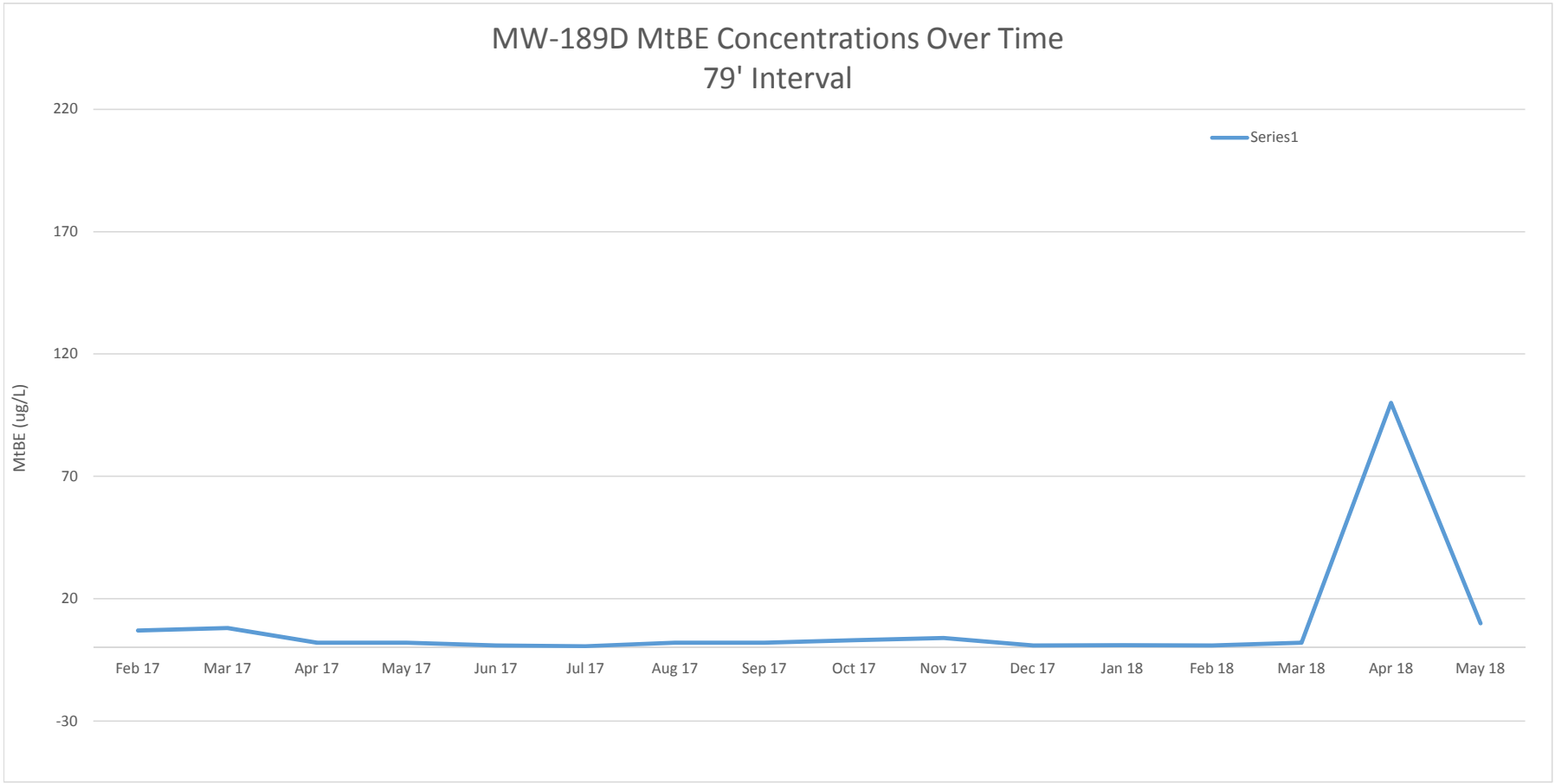
ATTACHMENT 1

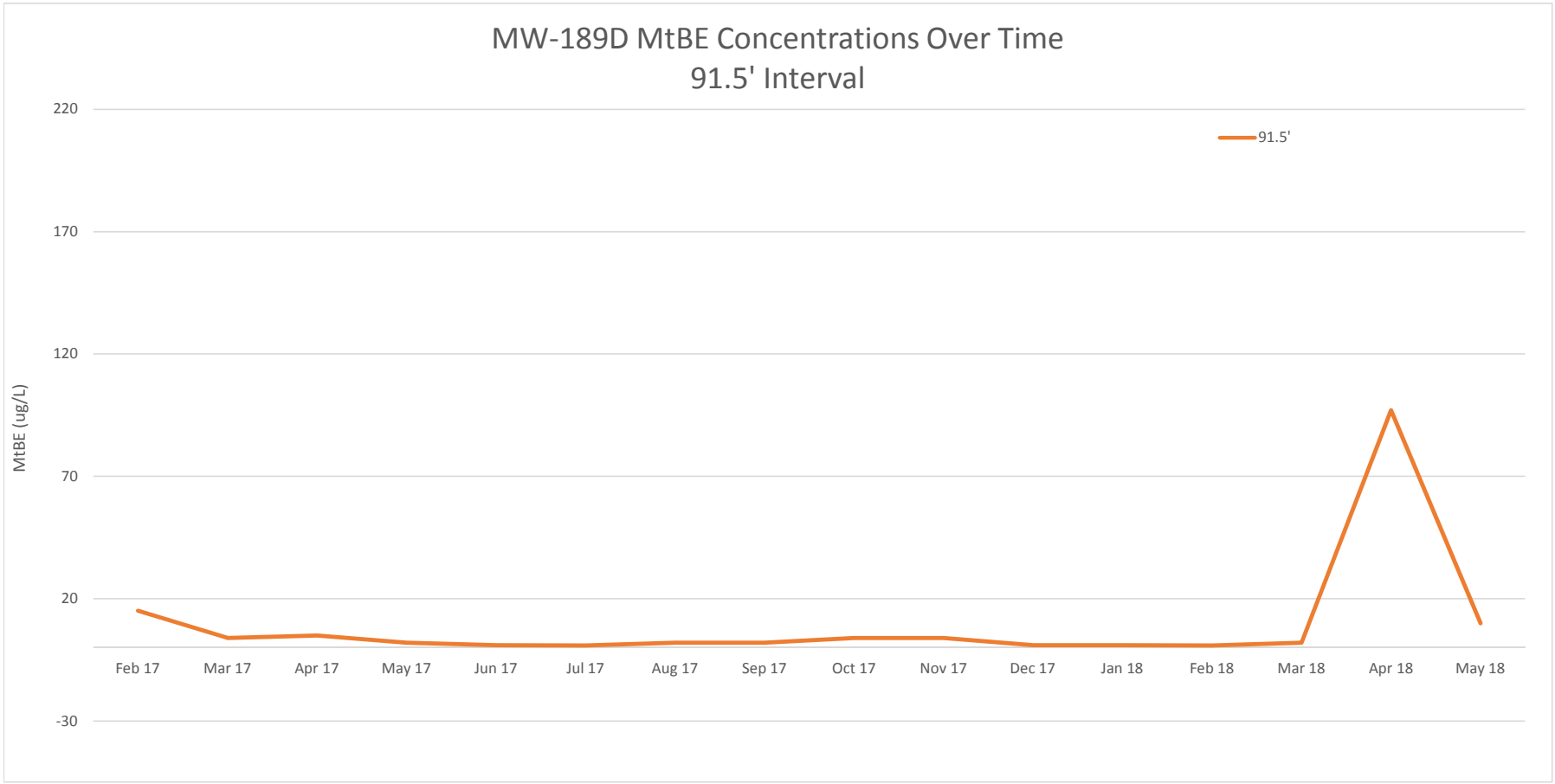
3627A SOUTHSIDE AVENUE TRANSDCUER CHART

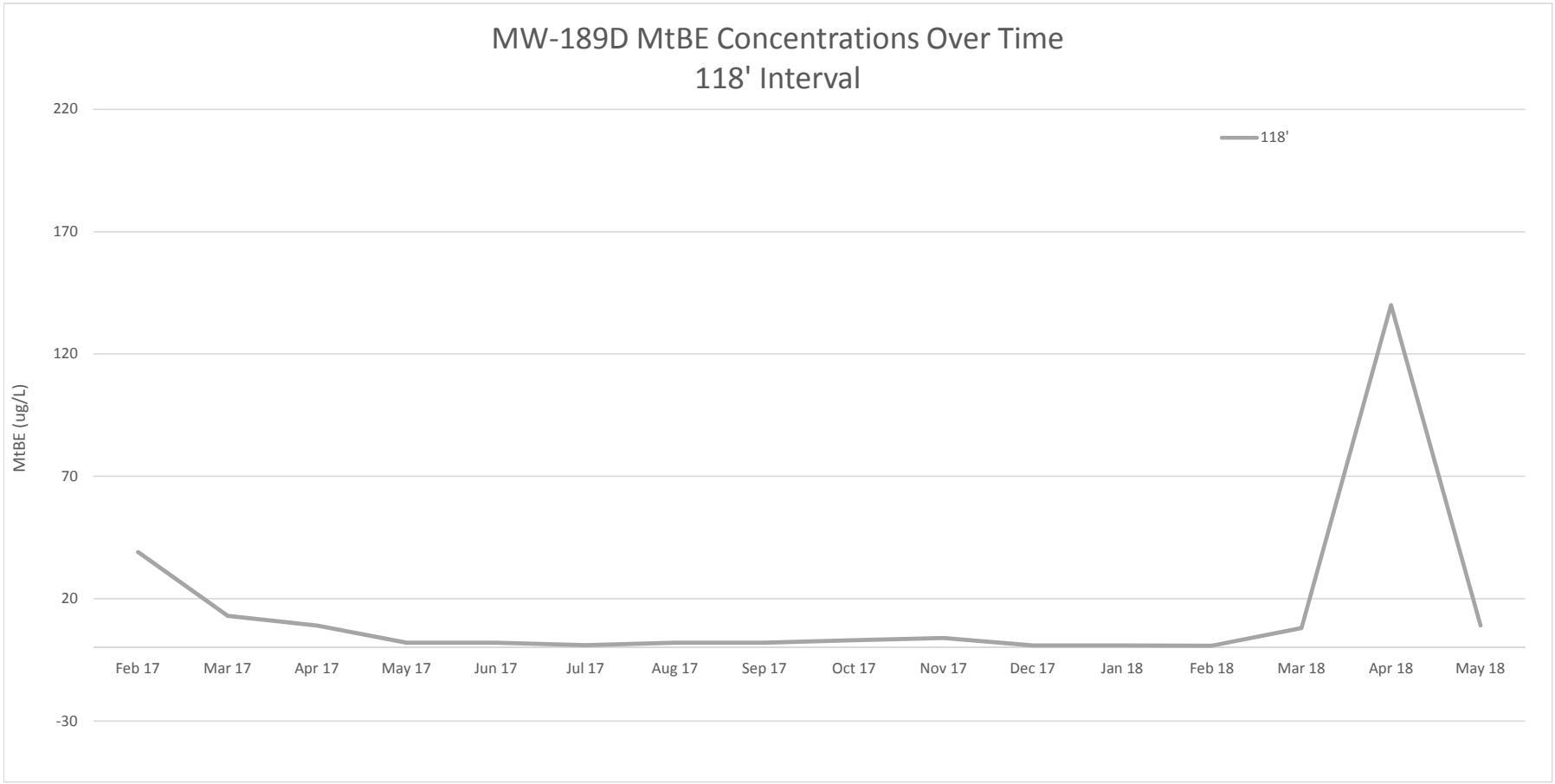

Craig Well DTW 3/19/18 @ 1240 to 5/31/18 @ 0958
Depth to pump = 370' bgs
Depth to Water (ft)
0
-20
-40
-60
-80
-100
-120
-140
-160
-180
-200
12:40:00 3/19/2018
14:31:00 3/25/2018
16:18:00 3/31/2018
18:05:00 4/6/2018
19:52:00 4/12/2018
21:39:00 4/18/2018
23:26:00 4/24/2018
1:13:00 5/1/2018
3:00:00 5/7/2018
4:47:00 5/13/2018
6:34:00 5/19/2018
8:21:00 5/25/2018
Date and Time

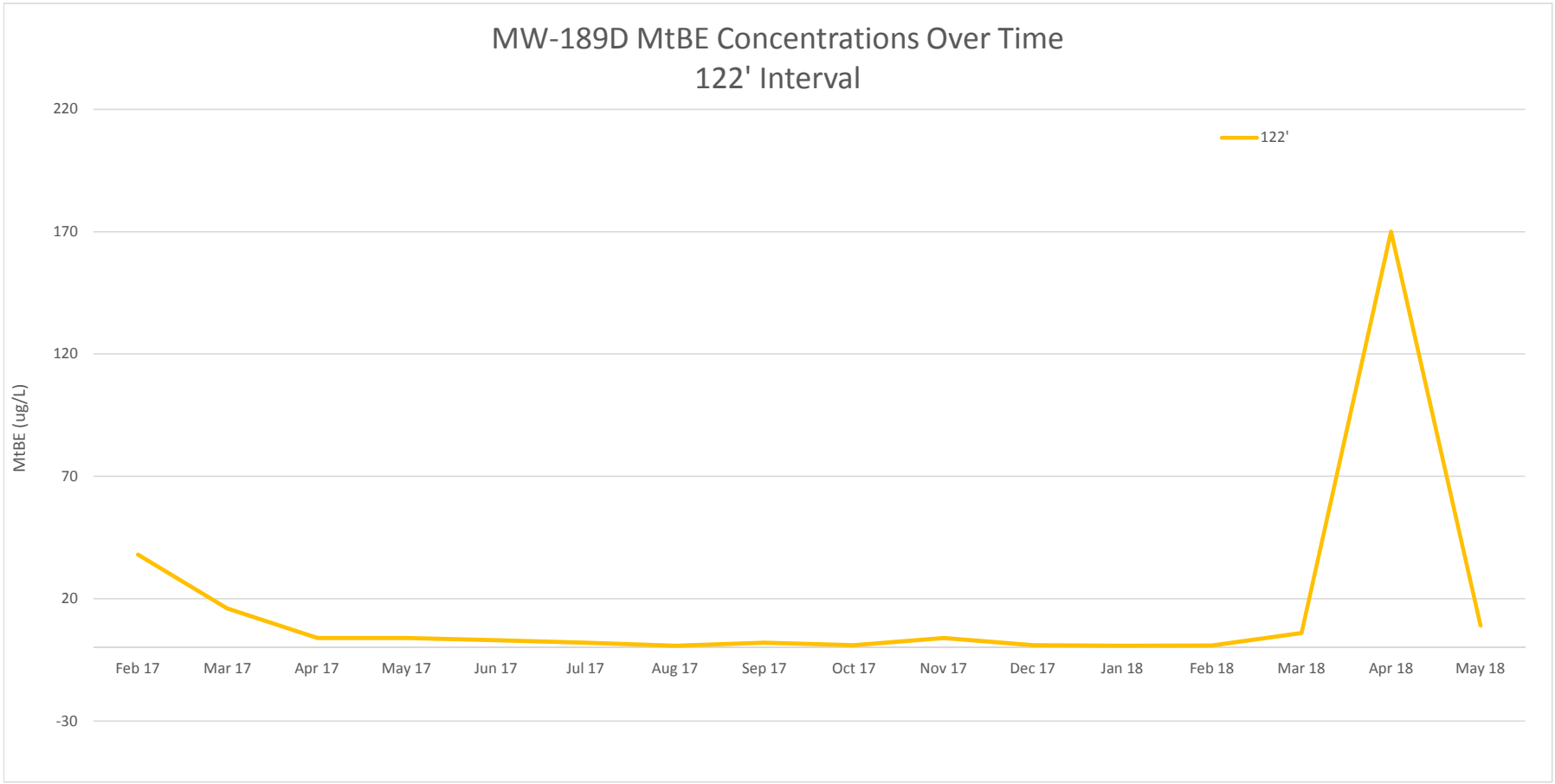
ATTACHMENT 2

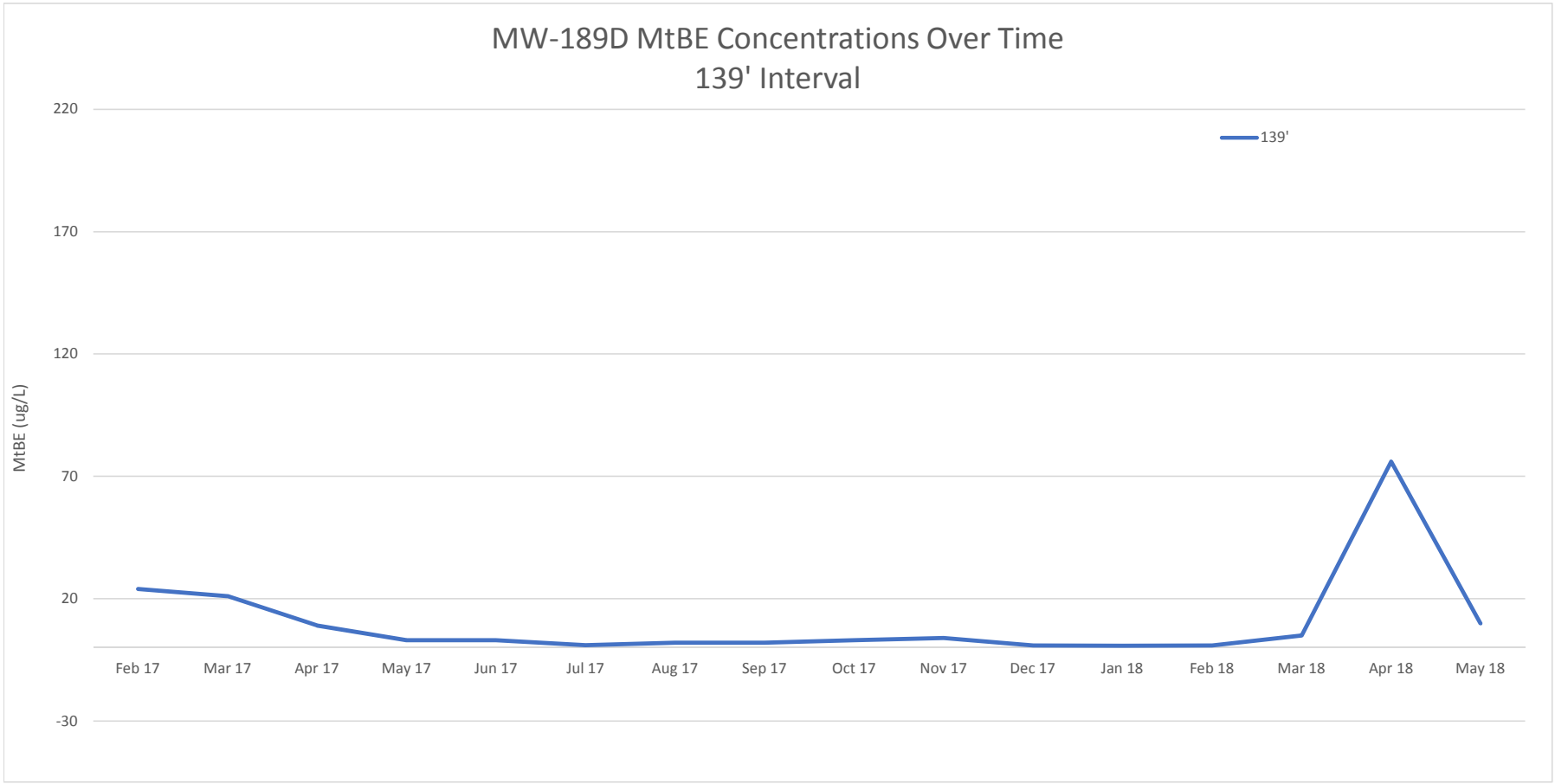
MW-189D MTBE CHARTS

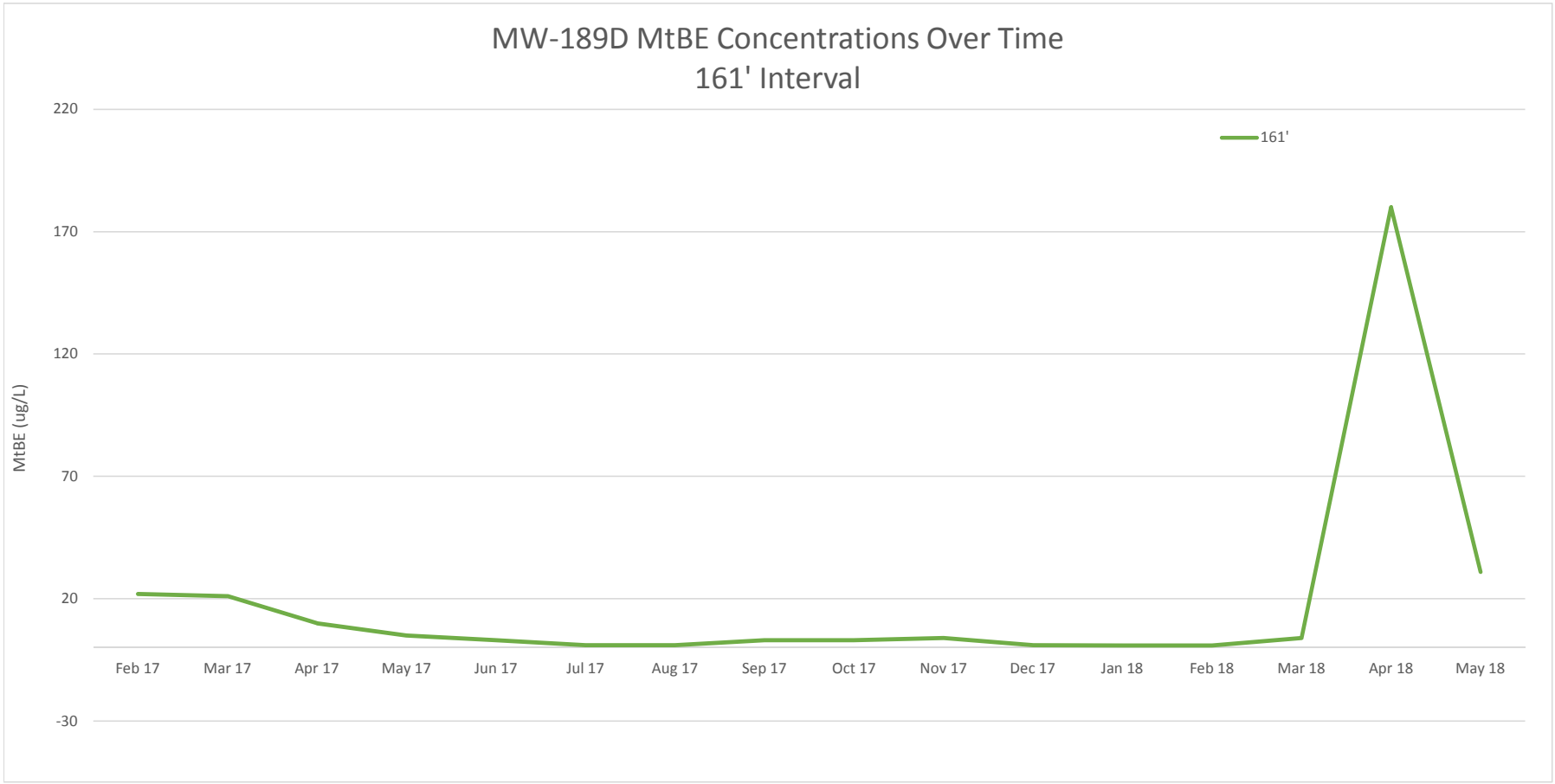

MW-189D MtBE Concentrations Over Time
79' Interval
MtBE (ug/L)
220
170
120
70
20
-30
Series1
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18

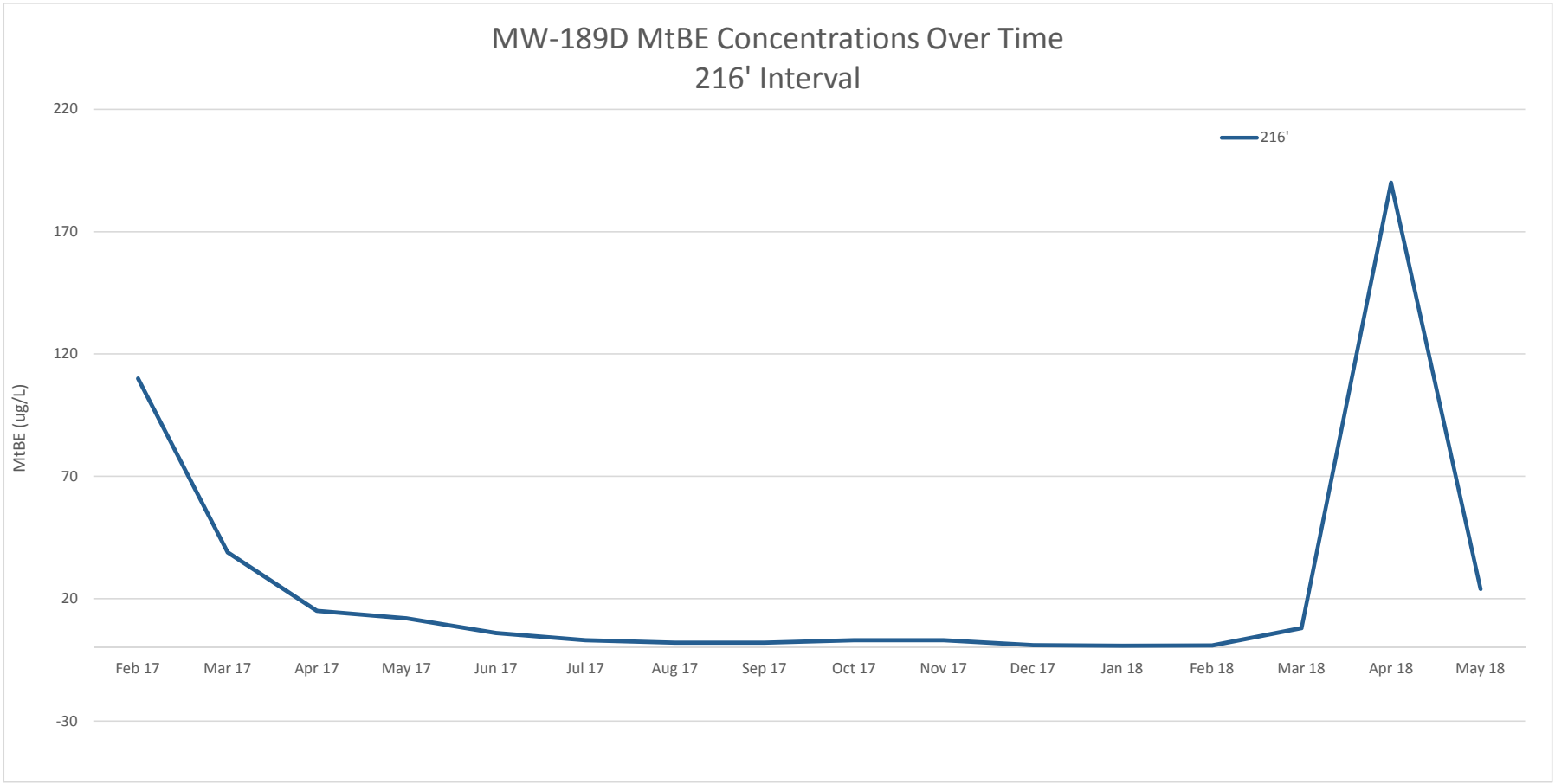

MW-189D MtBE Concentrations Over Time
91.5' Interval
MtBE (ug/L)
220
170
120
70
20
-30
91.5'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18

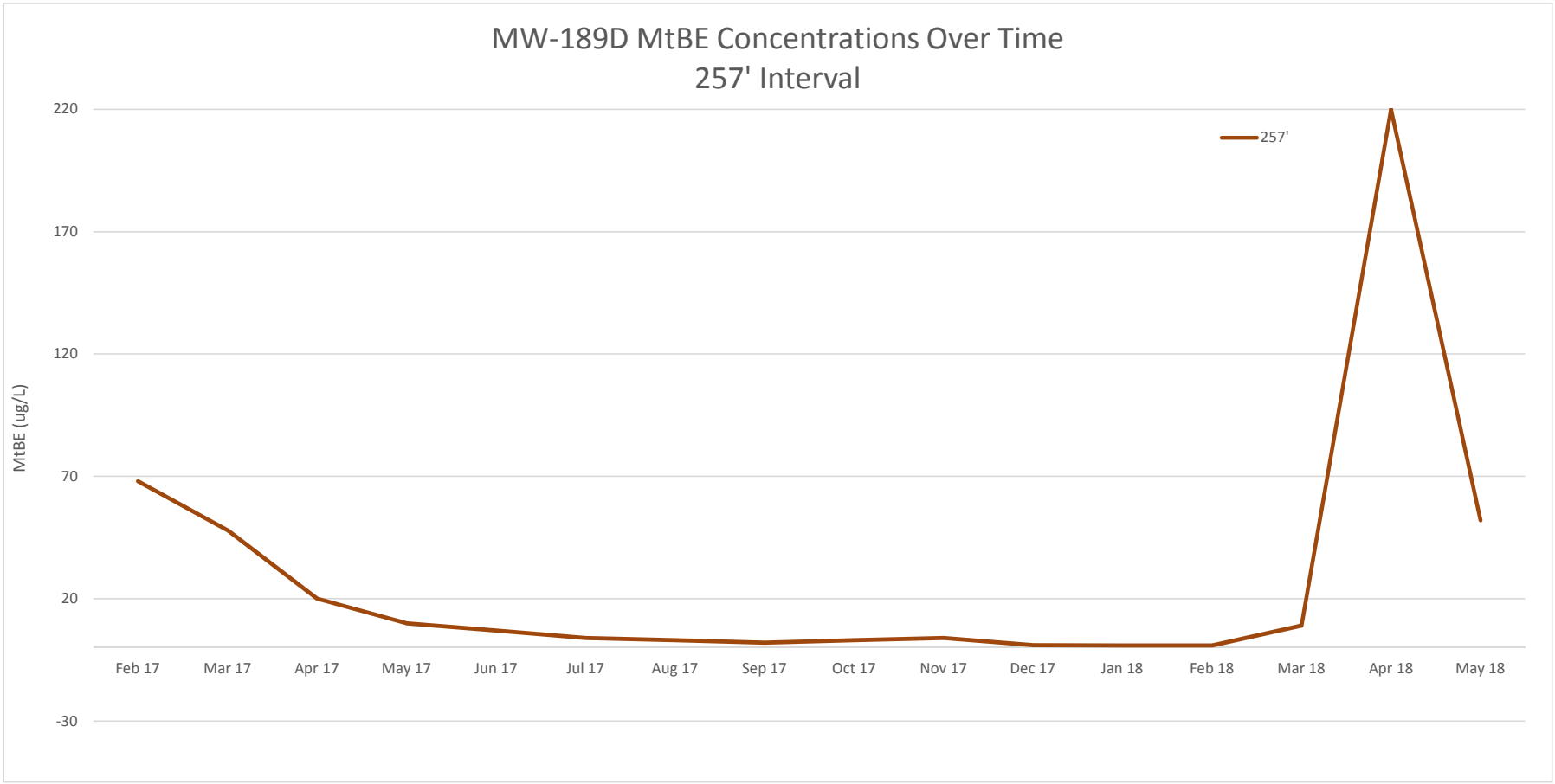

MW-189D MtBE Concentrations Over Time
118' Interval
220
170
120
70
20
-30
MtBE (ug/L)
118'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18

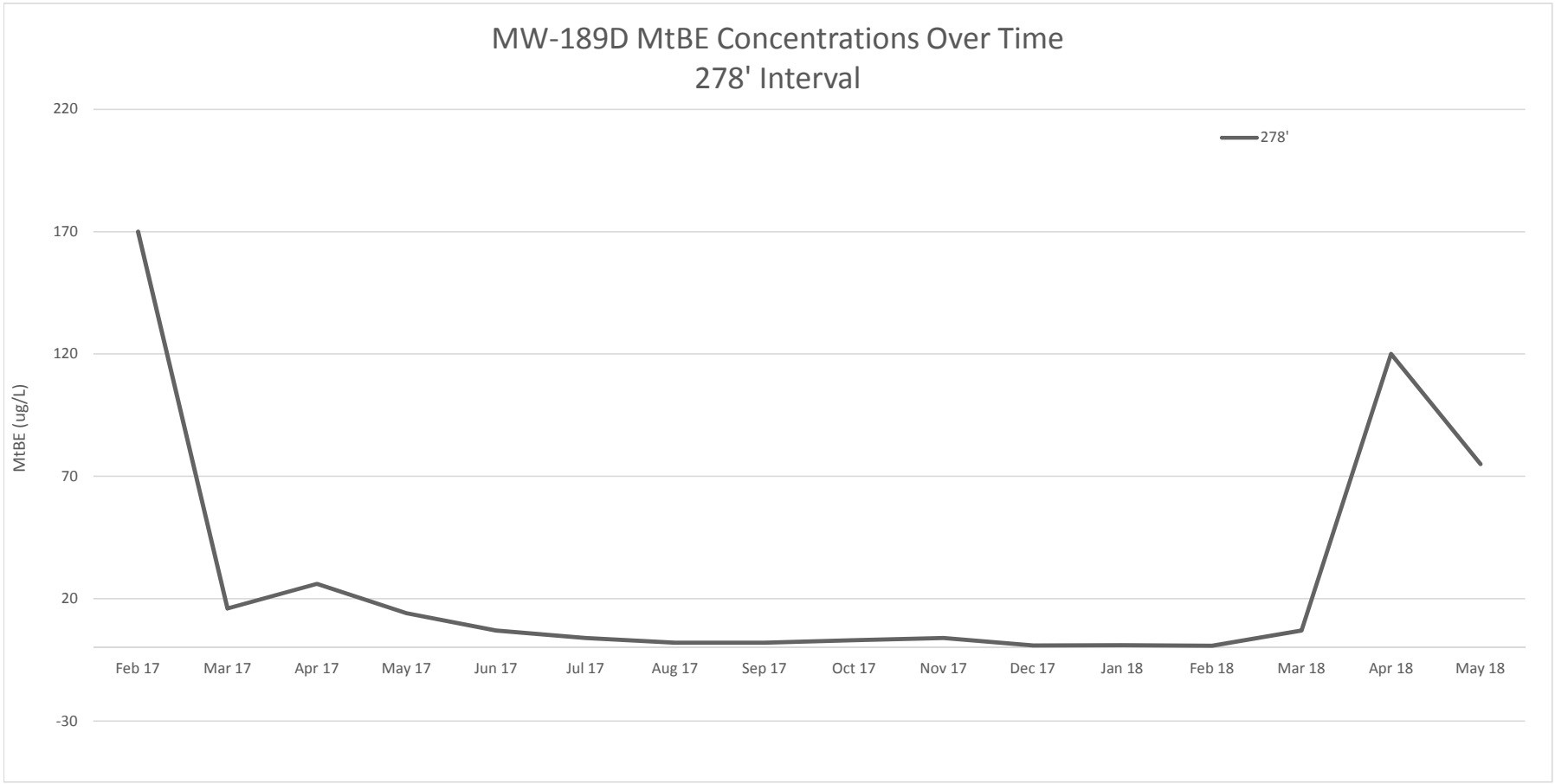

MW-189D MtBE Concentrations Over Time
122' Interval
220
170
120
70
20
-30
MtBE (ug/L)
122'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18

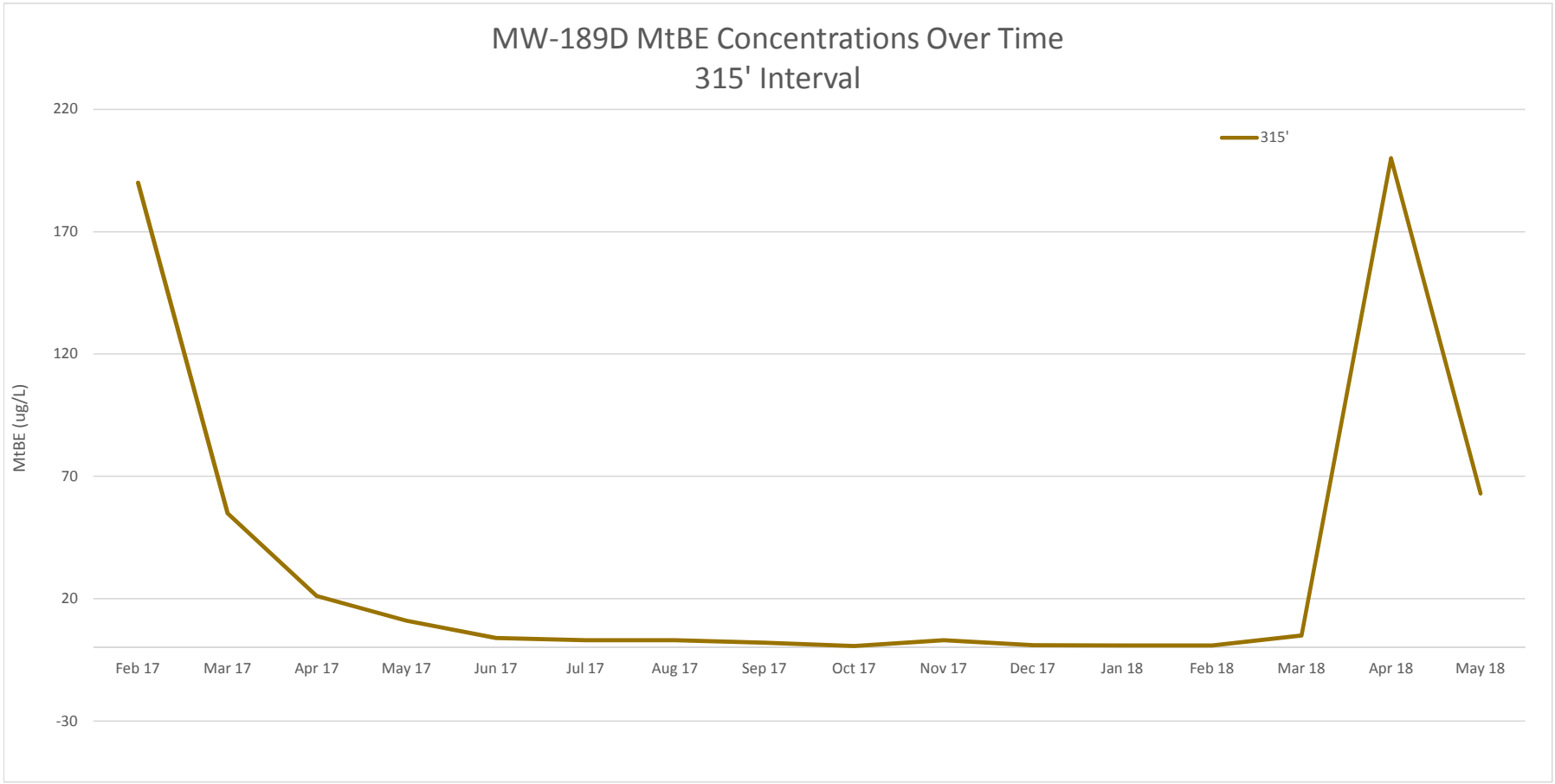

MW-189D MtBE Concentrations Over Time
139' Interval
MtBE (ug/L)
220
170
120
70
20
-30
139'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18

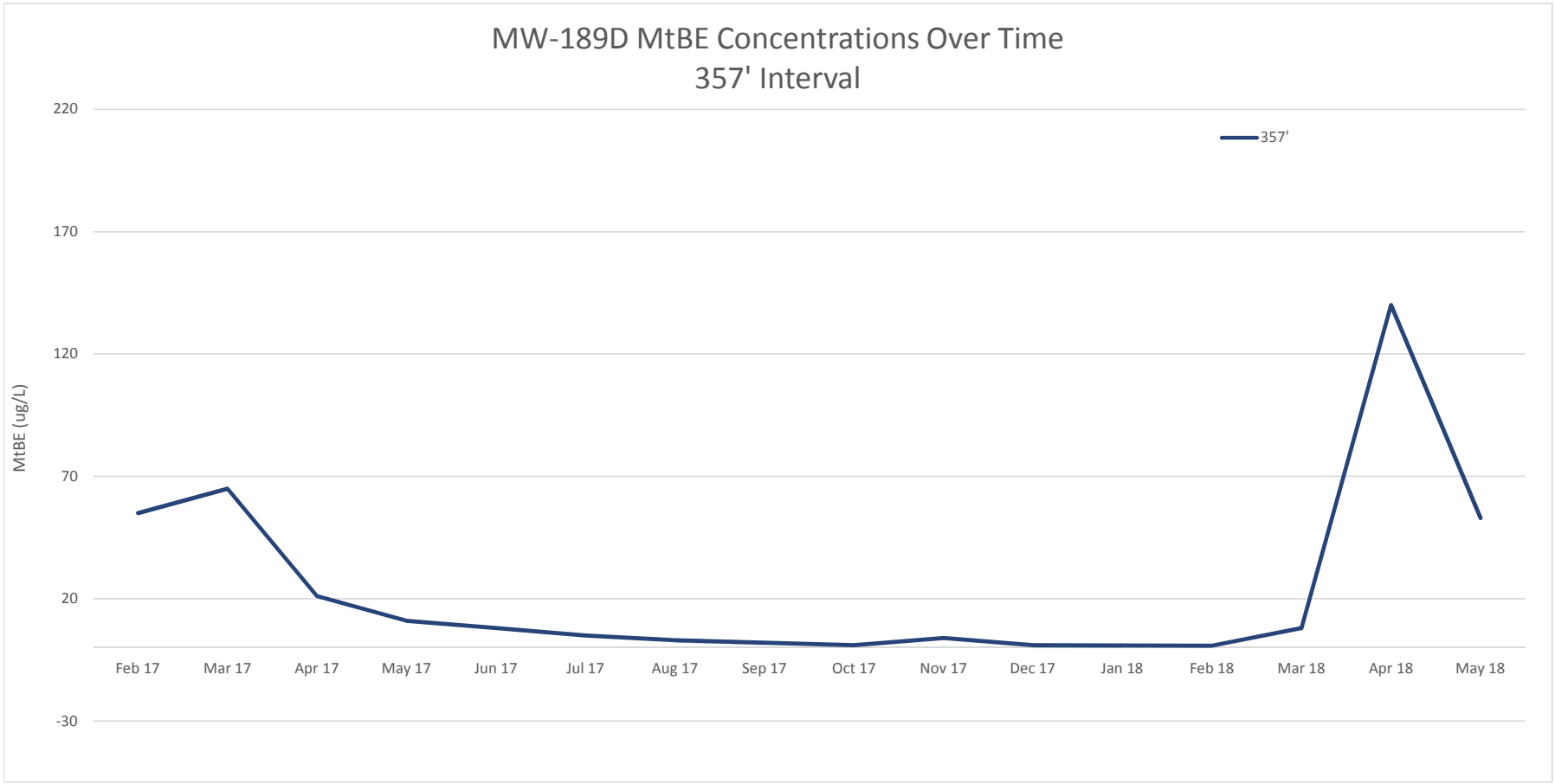

MW-189D MtBE Concentrations Over Time
161' Interval
MtBE (ug/L)
220
170
120
70
20
-30
161'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18

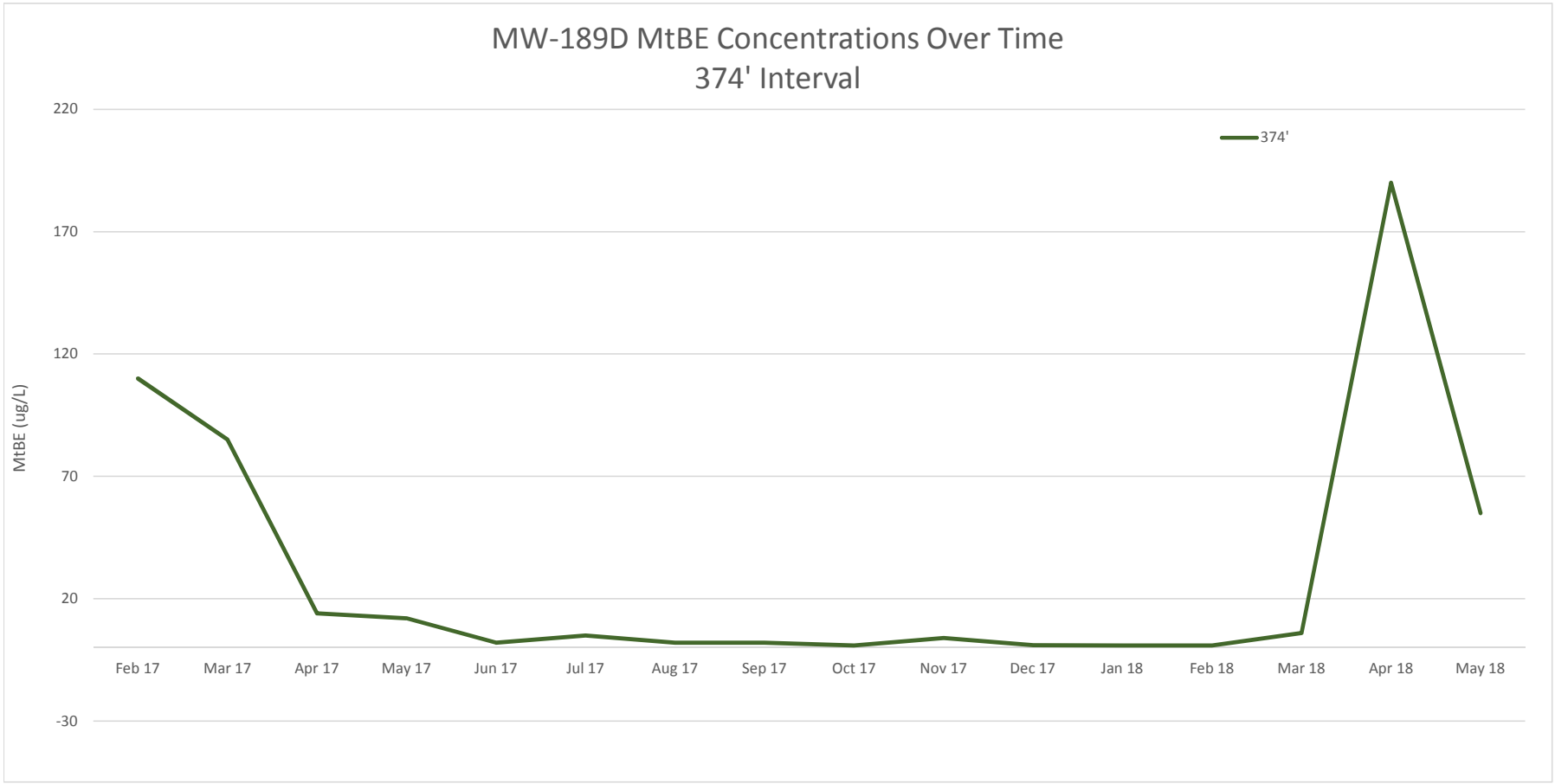

MW-189D MtBE Concentrations Over Time
216' Interval
220
170
120
70
20
-30
MtBE (ug/L)
216'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18


MW-189D MtBE Concentrations Over Time
257' Interval
MtBE (ug/L)
220
170
120
70
20
-30
257'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18


MW-189D MtBE Concentrations Over Time
278' Interval
220
170
120
70
20
-30
MtBE (ug/L)
278'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18


MW-189D MtBE Concentrations Over Time
315' Interval
MtBE (ug/L)
220
170
120
70
20
-30
315'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18


MW-189D MtBE Concentrations Over Time
357' Interval
MtBE (ug/L)
220
170
120
70
20
-30
357'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18


MW-189D MtBE Concentrations Over Time
374' Interval
220
170
120
70
20
-30
MtBE (ug/L)
374'
Feb 17
Mar 17
Apr 17
May 17
Jun 17
Jul 17
Aug 17
Sep 17
Oct 17
Nov 17
Dec 17
Jan 18
Feb 18
Mar 18
Apr 18
May 18

ATTACHMENT 3

LABORATORY ANALYTICAL DATA

eurofins | Lancaster Laboratories Environmental

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street
Suite 1200
San Diego CA 92101

Report Date: April 09, 2018 17:40

Project: 2-8077 - Phoenix, MD (GW)

Account #: 13459
Group Number: 1925424
PO Number: 51141-329684
Release Number: BOZEMAN
State of Sample Origin: MD

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To	Kleinfelder, MD	Attn: Brendan Haffey
Electronic Copy To	Kleinfelder, MD	Attn: Charlie Low
Electronic Copy To	Kleinfelder, MD	Attn: Charlie Brehm
Electronic Copy To	Kleinfelder, MD	Attn: Jen Kozak
Electronic Copy To	Kleinfelder, MD	Attn: Stacey Schiding
Electronic Copy To	Kleinfelder, MD	Attn: Shari Schoonmaker

Respectfully Submitted,

Elisabeth A. Knisley
Project Manager

(717) 556-7262

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
MW-189D (A) Groundwater	03/27/2018 11:20	9531908
TB18073 Water	03/19/2018	9531909

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **MW-189D (A) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 03/29/2018 15:30
Collection Date/Time: 03/27/2018 11:20

Kleinfelder
ELLE Sample #: WW 9531908
ELLE Group #: 1925424
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	11	1	0.5	1
10945	Benzene	71-43-2	1	1	0.5	1
10945	t-Butyl alcohol	75-65-0	N.D.	5	2	1
10945	Ethyl t-butyl ether	637-92-3	3	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	1	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	130	1	0.5	1
10945	Toluene	108-88-3	37	1	0.5	1
10945	Xylene (Total)	1330-20-7	1 J	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	D180981AA	04/08/2018 20:16	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D180981AA	04/08/2018 20:16	Hu Yang	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB18073 Water**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 03/29/2018 15:30
Collection Date/Time: 03/19/2018

Kleinfelder
ELLE Sample #: WW 9531909
ELLE Group #: 1925424
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	N.D.	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	N.D.	5	2	1
10945	Ethyl t-butyl ether	637-92-3	N.D.	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1	0.5	1
10945	Toluene	108-88-3	N.D.	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	D180981AA	04/08/2018 19:52	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D180981AA	04/08/2018 19:52	Hu Yang	1

*=This limit was used in the evaluation of the final result

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Quality Control Summary

Client Name: Kleinfelder
Reported: 04/09/2018 17:40

Group Number: 1925424

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	LOQ** ug/l	MDL ug/l
Batch number: D180981AA	Sample number(s): 9531908-9531909		
t-Amyl methyl ether	N.D.	1	0.5
Benzene	N.D.	1	0.5
t-Butyl alcohol	N.D.	5	2
Ethyl t-butyl ether	N.D.	1	0.5
Ethylbenzene	N.D.	1	0.5
di-Isopropyl ether	N.D.	1	0.5
Methyl Tertiary Butyl Ether	N.D.	1	0.5
Toluene	N.D.	1	0.5
Xylene (Total)	N.D.	1	0.5

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D180981AA	Sample number(s): 9531908-9531909								
t-Amyl methyl ether	20	18.65			93		66-120		
Benzene	20	18.87			94		80-120		
t-Butyl alcohol	200	206.93			103		66-132		
Ethyl t-butyl ether	20	18.89			94		68-121		
Ethylbenzene	20	18.86			94		80-120		
di-Isopropyl ether	20	19.38			97		70-124		
Methyl Tertiary Butyl Ether	20	18.83			94		75-120		
Toluene	20	18.72			94		80-120		
Xylene (Total)	60	57.85			96		80-120		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

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Quality Control Summary

Client Name: Kleinfelder
Reported: 04/09/2018 17:40

Group Number: 1925424

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: D180981AA	Sample number(s): 9531908-9531909 UNSPK: 9531908									
t-Amyl methyl ether	10.69	20	27.03	20	29.05	82	92	66-120	7	30
Benzene	1.16	20	19.22	20	20.49	90	97	80-120	6	30
t-Butyl alcohol	N.D.	200	181.65	200	196.23	91	98	66-132	8	30
Ethyl t-butyl ether	3.00	20	20.43	20	21.86	87	94	68-121	7	30
Ethylbenzene	N.D.	20	17.9	20	19.14	90	96	80-120	7	30
di-Isopropyl ether	1.08	20	18.98	20	20.3	89	96	70-124	7	30
Methyl Tertiary Butyl Ether	133.21	20	141.49	20	151.1	41 (2)	89 (2)	75-120	7	30
Toluene	36.64	20	52.94	20	56.05	82	97	80-120	6	30
Xylene (Total)	0.981	60	55.88	60	59.69	91	98	80-120	7	30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8260 BTEX + 5 Oxys
Batch number: D180981AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9531908	99	94	98	96
9531909	100	96	97	96
Blank	99	94	98	97
LCS	98	95	99	99
MS	100	97	99	99
MSD	99	97	98	100
Limits:	80-120	80-120	80-120	80-120

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

13459 1925424 9531908-09

CHAIN OF CUSTODY- ExxonMobil Projects

PAGE ___ OF ___

Lancaster Laboratories

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17605
TEL. 717-656-2300
www.lancasterlabs.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #

Client / Reporting Information

Company Name: Kleinfelder
Street Address: 1340 Charwood Road Ste. 1
City: Hanover, MD State: Zip: 21076
Project Contact: Stacey Schiding E-mail:
Phone #: 410-850-0404 Fax #:
Sampler(s) Name(s): Charlie Brehm Phone #:

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix
Major Project (AFE): 28077
Project Name: 14258 Jarrettsville Pike
City: Phoenix State: MD
ExxonMobil Manager: Clarke Bozeman
ExxonMobil Purchase Order #:

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant
Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Preserved Bottles HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	MTBE, BTEX, ETBE, TAME, DIPE, TBA by 8260B	Full List VOCs +Oxy5 by 8260	LAB USE ONLY
	MW-189D (A)		3/27/18	1120	CB	GW	3	X								X		
	TB18073		3/19/18	—	CW	TB	2	X								X		

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [X] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		3/29/18 2:55				
2					1530 3/29/18	
3						
4						
5		3-29-18 1530				

Custody Seal #: [ ] Intact [ ] Not intact
Preserved where applicable: [ ]
On Ice: [X]
Cooler Temp.: 2.6

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Sample Administration Receipt Documentation Log

Doc Log ID: 212295

Group Number(s): 1925424

Client: Kleinfelder

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	03/29/2018 15:30
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	4
Samples Intact:	Yes	Trip Blank Type:	HCl
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Cory Jeremiah (10469) at 18:17 on 03/29/2018

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	2.6	DT	Wet	Y	Bagged	N

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Lancaster, PA 17605-2425
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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	non-detect
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street
Suite 1200
San Diego CA 92101

Report Date: April 19, 2018 11:16

Project: 2-8077 - Phoenix, MD (GW)

Account #: 13459
Group Number: 1932729
PO Number: 51141-329684
Release Number: BOZEMAN
State of Sample Origin: MD

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To	Kleinfelder, MD	Attn: Brendan Haffey
Electronic Copy To	Kleinfelder, MD	Attn: Charlie Low
Electronic Copy To	Kleinfelder, MD	Attn: Charlie Brehm
Electronic Copy To	Kleinfelder, MD	Attn: Jen Kozak
Electronic Copy To	Kleinfelder, MD	Attn: Stacey Schiding
Electronic Copy To	Kleinfelder, MD	Attn: Shari Schoonmaker

Respectfully Submitted,

Elisabeth A. Knisley
Project Manager

(717) 556-7262

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
MW-189D(50) Groundwater	04/17/2018 08:45	9562443
MW-189D(79) Groundwater	04/17/2018 08:50	9562444
MW-189D(91.5) Groundwater	04/17/2018 08:55	9562445
MW-189D(117-119) Groundwater	04/17/2018 09:00	9562446
MW-189D(122) Groundwater	04/17/2018 09:05	9562447
MW-189D(138-140) Groundwater	04/17/2018 09:10	9562448
MW-189D(161) Groundwater	04/17/2018 09:15	9562449
MW-189D(216) Groundwater	04/17/2018 09:20	9562450
MW-189D(256-258) Groundwater	04/17/2018 09:25	9562451
MW-189D(278) Groundwater	04/17/2018 09:30	9562452
MW-189D(315) Groundwater	04/17/2018 09:35	9562453
MW-189D(357) Groundwater	04/17/2018 09:40	9562454
MW-189D(374) Groundwater	04/17/2018 09:45	9562455

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **MW-189D(50) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 08:45

Kleinfelder
ELLE Sample #: WW 9562443
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	N.D.	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	5 J	5	2	1
10945	Ethyl t-butyl ether	637-92-3	N.D.	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	4	1	0.5	1
10945	Toluene	108-88-3	N.D.	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 14:57	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 14:57	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(79) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 08:50

Kleinfelder
ELLE Sample #: WW 9562444
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	7	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	N.D.	5	2	1
10945	Ethyl t-butyl ether	637-92-3	2	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	0.8 J	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	100	1	0.5	1
10945	Toluene	108-88-3	19	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 15:19	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 15:19	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(91.5) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 08:55

Kleinfelder
ELLE Sample #: WW 9562445
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	7	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	N.D.	5	2	1
10945	Ethyl t-butyl ether	637-92-3	2	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	0.7 J	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	97	1	0.5	1
10945	Toluene	108-88-3	19	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 15:41	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 15:41	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(117-119) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 09:00

Kleinfelder
ELLE Sample #: WW 9562446
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	10	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	3 J	5	2	1
10945	Ethyl t-butyl ether	637-92-3	2	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	1	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	140	1	0.5	1
10945	Toluene	108-88-3	21	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 16:03	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 16:03	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(122) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 09:05

Kleinfelder
ELLE Sample #: WW 9562447
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	11	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	3 J	5	2	1
10945	Ethyl t-butyl ether	637-92-3	3	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	1	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	170	1	0.5	1
10945	Toluene	108-88-3	22	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 16:24	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 16:24	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(138-140) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 09:10

Kleinfelder
ELLE Sample #: WW 9562448
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	5	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	N.D.	5	2	1
10945	Ethyl t-butyl ether	637-92-3	1	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	0.6 J	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	76	1	0.5	1
10945	Toluene	108-88-3	4	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 16:46	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 16:46	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(161) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 09:15

Kleinfelder
ELLE Sample #: WW 9562449
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	13	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	4 J	5	2	1
10945	Ethyl t-butyl ether	637-92-3	3	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	1	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	180	1	0.5	1
10945	Toluene	108-88-3	3	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 17:08	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 17:08	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(216) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 09:20

Kleinfelder
ELLE Sample #: WW 9562450
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	13	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	4 J	5	2	1
10945	Ethyl t-butyl ether	637-92-3	4	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	1	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	190	1	0.5	1
10945	Toluene	108-88-3	2	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 17:31	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 17:31	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(256-258) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 09:25

Kleinfelder
ELLE Sample #: WW 9562451
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	15	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	4 J	5	2	1
10945	Ethyl t-butyl ether	637-92-3	4	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	2	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	220	1	0.5	1
10945	Toluene	108-88-3	1	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 17:53	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 17:53	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(278) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 09:30

Kleinfelder
ELLE Sample #: WW 9562452
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	8	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	4 J	5	2	1
10945	Ethyl t-butyl ether	637-92-3	2	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	0.8 J	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	120	1	0.5	1
10945	Toluene	108-88-3	8	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 18:14	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 18:14	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(315) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 09:35

Kleinfelder
ELLE Sample #: WW 9562453
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	14	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	3 J	5	2	1
10945	Ethyl t-butyl ether	637-92-3	4	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	2	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	200	1	0.5	1
10945	Toluene	108-88-3	N.D.	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 18:36	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 18:36	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(357) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 09:40

Kleinfelder
ELLE Sample #: WW 9562454
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	9	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	4 J	5	2	1
10945	Ethyl t-butyl ether	637-92-3	3	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	1	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	140	1	0.5	1
10945	Toluene	108-88-3	3	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 18:58	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 18:58	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(374) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 04/17/2018 15:40
Collection Date/Time: 04/17/2018 09:45

Kleinfelder
ELLE Sample #: WW 9562455
ELLE Group #: 1932729
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	t-Amyl methyl ether	994-05-8	13	1	0.5	1
10945	Benzene	71-43-2	N.D.	1	0.5	1
10945	t-Butyl alcohol	75-65-0	3 J	5	2	1
10945	Ethyl t-butyl ether	637-92-3	4	1	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	1	0.5	1
10945	di-Isopropyl ether	108-20-3	1	1	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	190	1	0.5	1
10945	Toluene	108-88-3	0.7 J	1	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	8260 BTEX + 5 Oxys	SW-846 8260B	1	F181082AA	04/18/2018 19:20	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F181082AA	04/18/2018 19:20	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Kleinfelder
Reported: 04/19/2018 11:16

Group Number: 1932729

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	LOQ** ug/l	MDL ug/l
Batch number: F181082AA	Sample number(s): 9562443-9562455		
t-Amyl methyl ether	N.D.	1	0.5
Benzene	N.D.	1	0.5
t-Butyl alcohol	N.D.	5	2
Ethyl t-butyl ether	N.D.	1	0.5
Ethylbenzene	N.D.	1	0.5
di-Isopropyl ether	N.D.	1	0.5
Methyl Tertiary Butyl Ether	N.D.	1	0.5
Toluene	N.D.	1	0.5
Xylene (Total)	N.D.	1	0.5

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F181082AA	Sample number(s): 9562443-9562455								
t-Amyl methyl ether	20	16.9			84		66-120		
Benzene	20	20.04			100		80-120		
t-Butyl alcohol	200	154.44			77		66-132		
Ethyl t-butyl ether	20	20.37			102		68-121		
Ethylbenzene	20	20.18			101		80-120		
di-Isopropyl ether	20	23.46			117		70-124		
Methyl Tertiary Butyl Ether	20	20.8			104		75-120		
Toluene	20	20.46			102		80-120		
Xylene (Total)	60	60.62			101		80-120		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 04/19/2018 11:16

Group Number: 1932729

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: F181082AA	Sample number(s): 9562443-9562455 UNSPK: P555617									
t-Amyl methyl ether	N.D.	20	18.14	20	19.19	91	96	66-120	6	30
Benzene	3.38	20	24.85	20	25.04	107	108	80-120	1	30
t-Butyl alcohol	N.D.	200	143.99	200	154.42	72	77	66-132	7	30
Ethyl t-butyl ether	N.D.	20	21.19	20	21.96	106	110	68-121	4	30
Ethylbenzene	24.68	20	44.27	20	44.96	98	101	80-120	2	30
di-Isopropyl ether	N.D.	20	24.63	20	24.97	123	125*	70-124	1	30
Methyl Tertiary Butyl Ether	N.D.	20	21.15	20	22.06	106	110	75-120	4	30
Toluene	16.51	20	37.38	20	38.6	104	110	80-120	3	30
Xylene (Total)	126.9	60	187.84	60	190.54	102	106	80-120	1	30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8260 BTEX + 5 Oxys
Batch number: F181082AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9562443	100	96	105	97
9562444	99	95	102	99
9562445	100	98	101	98
9562446	101	97	102	98
9562447	102	97	101	96
9562448	100	95	103	97
9562449	97	96	102	98
9562450	100	100	104	95
9562451	102	98	103	96
9562452	103	96	101	97
9562453	98	96	103	97
9562454	102	97	101	93
9562455	102	99	105	99
Blank	101	95	102	95
LCS	97	95	104	100
MS	101	99	102	101
MSD	100	101	102	100
Limits:	80-120	80-120	80-120	80-120

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

13459 1932729- 95624443-55

CHAIN OF CUSTODY- ExxonMobil Projects

PAGE ___ OF ___

Lancaster Laboratories

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17605
TEL. 717-656-2300
www.lancasterlabs.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #

Client / Reporting Information

Company Name: Kleinfelder
Street Address: 1340 Charwood Road Ste. 1
City: Hanover, MD State: Zip: 21076
Project Contact: Stacey Schiding E-mail:
Phone #: 410-850-0404 Fax #:
Sampler(s) Name(s): Lee Ackerman Phone #:

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix
Major Project (AFE): 28077
Project Name: 14258 Jarrettsville Pike
City: Phoenix State: MD
ExxonMobil Manager: Clarke Bozeman
ExxonMobil Purchase Order #:

ExxonMobil Environmental Services Co.
If Project is Direct Bill to Consultant
Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	MTBE, BTEX, ETBE, TAME, DIPE, TBA by 8260B	Full List VOCs +Oxy5 by 8260	LAB USE ONLY
	MW-189D(50)		4/17/18	0845	LA	GW	3	X								X		
	MW-189D(79)		4/17/18	0850	LA	GW	3	X								X		
	MW-189D(91.5)		4/17/18	0855	LA	GW	3	X								X		
	MW-189D(117-119)		4/17/18	0900	LA	GW	3	X								X		
	MW-189D(122)		4/17/18	0905	LA	GW	3	X								X		
	MW-189D(138-140)		4/17/18	0910	LA	GW	3	X								X		
	MW-189D(161)		4/17/18	0915	LA	GW	3	X								X		
	MW-189D(216)		4/17/18	0920	LA	GW	3	X								X		
	MW-189D(256-258)		4/17/18	0925	LA	GW	3	X								X		
	MW-189D(278)		4/17/18	0930	LA	GW	3	X								X		
	MW-189D(315)		4/17/18	0935	LA	GW	3	X								X		
	MW-189D(357)		4/17/18	0940	LA	GW	3	X								X		
	MW-189D(374)		4/17/18	0945	LA	GW	3	X								X		

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [X] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [X] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		4/17/18 1715	1	2		2
3			3	4	4/17/18 1540	4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # [X] Intact [ ] Not intact	Preserved where applicable [ ]	On Ice [X] Cooler Temp. 4.8

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Sample Administration Receipt Documentation Log

Doc Log ID: 213920

Group Number(s): 1932729

Client: ExxonMobil c/o Kleinfelder

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	04/17/2018 15:40
Number of Packages:	3	Number of Projects:	3

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Nicole Reiff (25684) at 17:11 on 04/17/2018

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	4.8	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	non-detect
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street
Suite 1200
San Diego CA 92101

Report Date: May 22, 2018 16:15

Project: 2-8077 - Phoenix, MD (GW)

Account #: 13459
Group Number: 1944746
PO Number: 51141-329684
Release Number: BOZEMAN
State of Sample Origin: MD

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To	Kleinfelder, MD	Attn: Brendan Haffey
Electronic Copy To	Kleinfelder, MD	Attn: Charlie Low
Electronic Copy To	Kleinfelder, MD	Attn: Charlie Brehm
Electronic Copy To	Kleinfelder, MD	Attn: Jen Kozak
Electronic Copy To	Kleinfelder, MD	Attn: Stacey Schiding
Electronic Copy To	Kleinfelder, MD	Attn: Shari Schoonmaker

Respectfully Submitted,

Elisabeth A. Knisley
Project Manager

(717) 556-7262

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
MW-189D(79) Groundwater	05/15/2018 09:00	9615286
MW-189D(91.5) Groundwater	05/15/2018 09:02	9615287
MW-189D(117-119) Groundwater	05/15/2018 09:04	9615288
MW-189D(122) Groundwater	05/15/2018 09:06	9615289
MW-189D(138-140) Groundwater	05/15/2018 09:08	9615290
MW-189D(161) Groundwater	05/15/2018 09:10	9615291
MW-189D(216) Groundwater	05/15/2018 09:12	9615292
MW-189D(256-258) Groundwater	05/15/2018 09:14	9615293
MW-189D(278) Groundwater	05/15/2018 09:16	9615294
MW-189D(315) Groundwater	05/15/2018 09:18	9615295
MW-189D(357) Groundwater	05/15/2018 09:20	9615296
MW-189D(374) Groundwater	05/15/2018 09:22	9615297
TB18127 Water	05/09/2018	9615298

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **MW-189D(79) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:00

Kleinfelder
ELLE Sample #: WW 9615286
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	0.6 J	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	N.D.	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(79) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:00

Kleinfelder
ELLE Sample #: WW 9615286
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	10	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181412AA	05/21/2018 18:08	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181412AA	05/21/2018 18:08	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(91.5) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:02

Kleinfelder
ELLE Sample #: WW 9615287
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	0.6 J	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	N.D.	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(91.5) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:02

Kleinfelder
ELLE Sample #: WW 9615287
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	10	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181412AA	05/21/2018 18:30	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181412AA	05/21/2018 18:30	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(117-119) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:04

Kleinfelder
ELLE Sample #: WW 9615288
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	0.6 J	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	N.D.	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(117-119) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:04

Kleinfelder
ELLE Sample #: WW 9615288
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	9	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181412AA	05/21/2018 18:53	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181412AA	05/21/2018 18:53	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(122) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:06

Kleinfelder
ELLE Sample #: WW 9615289
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	0.6 J	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	N.D.	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(122) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:06

Kleinfelder
ELLE Sample #: WW 9615289
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	9	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181412AA	05/21/2018 19:15	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181412AA	05/21/2018 19:15	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(138-140) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:08

Kleinfelder
ELLE Sample #: WW 9615290
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	0.7 J	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	N.D.	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(138-140) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:08

Kleinfelder
ELLE Sample #: WW 9615290
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	10	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181412AA	05/21/2018 19:38	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181412AA	05/21/2018 19:38	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(161) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:10

Kleinfelder
ELLE Sample #: WW 9615291
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	2	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	N.D.	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(161) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:10

Kleinfelder
ELLE Sample #: WW 9615291
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	31	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181412AA	05/21/2018 20:01	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181412AA	05/21/2018 20:01	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(216) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:12

Kleinfelder
ELLE Sample #: WW 9615292
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	2	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	N.D.	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(216) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:12

Kleinfelder
ELLE Sample #: WW 9615292
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	24	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181413AA	05/21/2018 23:34	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181413AA	05/21/2018 23:34	Don V Viray	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(256-258) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:14

Kleinfelder
ELLE Sample #: WW 9615293
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	3	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	0.8 J	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(256-258) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:14

Kleinfelder
ELLE Sample #: WW 9615293
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	52	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181413AA	05/22/2018 00:41	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181413AA	05/22/2018 00:41	Don V Viray	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(278) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:16

Kleinfelder
ELLE Sample #: WW 9615294
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	5	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	1	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(278) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:16

Kleinfelder
ELLE Sample #: WW 9615294
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	75	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181413AA	05/22/2018 01:04	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181413AA	05/22/2018 01:04	Don V Viray	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(315) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:18

Kleinfelder
ELLE Sample #: WW 9615295
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	4	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	0.9 J	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(315) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:18

Kleinfelder
ELLE Sample #: WW 9615295
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	63	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181413AA	05/22/2018 01:26	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181413AA	05/22/2018 01:26	Don V Viray	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(357) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:20

Kleinfelder
ELLE Sample #: WW 9615296
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	3	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	0.7 J	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(357) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:20

Kleinfelder
ELLE Sample #: WW 9615296
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	53	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181413AA	05/22/2018 01:49	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181413AA	05/22/2018 01:49	Don V Viray	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(374) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:22

Kleinfelder
ELLE Sample #: WW 9615297
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	3	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	0.8 J	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **MW-189D(374) Groundwater**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/15/2018 09:22

Kleinfelder
ELLE Sample #: WW 9615297
ELLE Group #: 1944746
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	55	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181413AA	05/22/2018 02:11	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181413AA	05/22/2018 02:11	Don V Viray	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB18127 Water**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/09/2018

Kleinfelder
ELLE Sample #: **WW 9615298**
ELLE Group #: **1944746**
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	20	6	1
10335	t-Amyl methyl ether	994-05-8	N.D.	1	0.5	1
10335	Benzene	71-43-2	N.D.	1	0.5	1
10335	Bromobenzene	108-86-1	N.D.	5	1	1
10335	Bromochloromethane	74-97-5	N.D.	5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	0.5	1
10335	Bromoform	75-25-2	N.D.	4	0.5	1
10335	Bromomethane	74-83-9	N.D.	1	0.5	1
10335	2-Butanone	78-93-3	N.D.	10	3	1
10335	t-Butyl alcohol	75-65-0	N.D.	20	5	1
10335	n-Butylbenzene	104-51-8	N.D.	5	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	5	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	5	1	1
10335	Carbon Disulfide	75-15-0	N.D.	5	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	1	0.5	1
10335	Chloroethane	75-00-3	N.D.	1	0.5	1
10335	Chloroform	67-66-3	N.D.	1	0.5	1
10335	Chloromethane	74-87-3	N.D.	1	0.5	1
10335	2-Chlorotoluene	95-49-8	N.D.	5	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	0.5	1
10335	1,2-Dibromoethane	106-93-4	N.D.	1	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	1	0.5	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	1	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	0.5	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	0.5	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	0.5	1
10335	1,1-Dichloropropene	563-58-6	N.D.	5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	0.5	1
10335	Ethyl t-butyl ether	637-92-3	N.D.	1	0.5	1
10335	Ethylbenzene	100-41-4	N.D.	1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB18127 Water**
S2010L4236 2-8077 - Phoenix, MD

Project Name: **2-8077 - Phoenix, MD (GW)**

Submittal Date/Time: 05/17/2018 19:10
Collection Date/Time: 05/09/2018

Kleinfelder
ELLE Sample #: **WW 9615298**
ELLE Group #: **1944746**
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Hexachlorobutadiene	87-68-3	N.D.	5	2	1
10335	n-Hexane	110-54-3	N.D.	5	2	1
10335	2-Hexanone	591-78-6	N.D.	10	3	1
10335	di-Isopropyl ether	108-20-3	N.D.	1	0.5	1
10335	Isopropylbenzene	98-82-8	N.D.	5	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	5	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	10	3	1
10335	Methylene Chloride	75-09-2	N.D.	1	0.5	1
10335	Naphthalene	91-20-3	N.D.	5	1	1
10335	n-Propylbenzene	103-65-1	N.D.	5	1	1
10335	Styrene	100-42-5	N.D.	5	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	1	0.5	1
10335	Toluene	108-88-3	N.D.	1	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	5	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	0.5	1
10335	Trichloroethene	79-01-6	N.D.	1	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	1	0.5	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	5	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	0.5	1
10335	m+p-Xylene	179601-23-1	N.D.	1	0.5	1
10335	o-Xylene	95-47-6	N.D.	1	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	1	0.5	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Full list + oxys + hexane	SW-846 8260B	1	4181412AA	05/21/2018 17:45	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4181412AA	05/21/2018 17:45	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Kleinfelder
Group Number: 1944746
Reported: 05/22/2018 16:15

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ**	MDL
	ug/l	ug/l	ug/l
Batch number: 4181412AA	Sample number(s): 9615286-9615291,9615298		
Acetone	N.D.	20	6
t-Amyl methyl ether	N.D.	1	0.5
Benzene	N.D.	1	0.5
Bromobenzene	N.D.	5	1
Bromochloromethane	N.D.	5	1
Bromodichloromethane	N.D.	1	0.5
Bromoform	N.D.	4	0.5
Bromomethane	N.D.	1	0.5
2-Butanone	N.D.	10	3
t-Butyl alcohol	N.D.	20	5
n-Butylbenzene	N.D.	5	1
sec-Butylbenzene	N.D.	5	1
tert-Butylbenzene	N.D.	5	1
Carbon Disulfide	N.D.	5	1
Carbon Tetrachloride	N.D.	1	0.5
Chlorobenzene	N.D.	1	0.5
Chloroethane	N.D.	1	0.5
Chloroform	N.D.	1	0.5
Chloromethane	N.D.	1	0.5
2-Chlorotoluene	N.D.	5	1
4-Chlorotoluene	N.D.	5	1
1,2-Dibromo-3-chloropropane	N.D.	5	2
Dibromochloromethane	N.D.	1	0.5
1,2-Dibromoethane	N.D.	1	0.5
Dibromomethane	N.D.	1	0.5
1,2-Dichlorobenzene	N.D.	5	1
1,3-Dichlorobenzene	N.D.	5	1
1,4-Dichlorobenzene	N.D.	5	1
Dichlorodifluoromethane	N.D.	1	0.5
1,1-Dichloroethane	N.D.	1	0.5
1,2-Dichloroethane	N.D.	1	0.5
1,1-Dichloroethene	N.D.	1	0.5
cis-1,2-Dichloroethene	N.D.	1	0.5
trans-1,2-Dichloroethene	N.D.	1	0.5
1,2-Dichloropropane	N.D.	1	0.5
1,3-Dichloropropane	N.D.	1	0.5
2,2-Dichloropropane	N.D.	1	0.5
1,1-Dichloropropene	N.D.	5	1
cis-1,3-Dichloropropene	N.D.	1	0.5

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

Method Blank (continued)

Analysis Name	Result	LOQ**	MDL
	ug/l	ug/l	ug/l
trans-1,3-Dichloropropene	N.D.	1	0.5
Ethyl t-butyl ether	N.D.	1	0.5
Ethylbenzene	N.D.	1	0.5
Hexachlorobutadiene	N.D.	5	2
n-Hexane	N.D.	5	2
2-Hexanone	N.D.	10	3
di-Isopropyl ether	N.D.	1	0.5
Isopropylbenzene	N.D.	5	1
p-Isopropyltoluene	N.D.	5	1
Methyl Tertiary Butyl Ether	N.D.	1	0.5
4-Methyl-2-pentanone	N.D.	10	3
Methylene Chloride	N.D.	1	0.5
Naphthalene	N.D.	5	1
n-Propylbenzene	N.D.	5	1
Styrene	N.D.	5	1
1,1,1,2-Tetrachloroethane	N.D.	1	0.5
1,1,2,2-Tetrachloroethane	N.D.	1	0.5
Tetrachloroethene	N.D.	1	0.5
Toluene	N.D.	1	0.5
1,2,3-Trichlorobenzene	N.D.	5	1
1,2,4-Trichlorobenzene	N.D.	5	1
1,1,1-Trichloroethane	N.D.	1	0.5
1,1,2-Trichloroethane	N.D.	1	0.5
Trichloroethene	N.D.	1	0.5
Trichlorofluoromethane	N.D.	1	0.5
1,2,3-Trichloropropane	N.D.	5	1
1,2,4-Trimethylbenzene	N.D.	5	1
1,3,5-Trimethylbenzene	N.D.	5	1
Vinyl Chloride	N.D.	1	0.5
m+p-Xylene	N.D.	1	0.5
o-Xylene	N.D.	1	0.5
Xylene (Total)	N.D.	1	0.5
Batch number: 4181413AA	Sample number(s): 9615292-9615297		
Acetone	N.D.	20	6
t-Amyl methyl ether	N.D.	1	0.5
Benzene	N.D.	1	0.5
Bromobenzene	N.D.	5	1
Bromochloromethane	N.D.	5	1
Bromodichloromethane	N.D.	1	0.5
Bromoform	N.D.	4	0.5
Bromomethane	N.D.	1	0.5
2-Butanone	N.D.	10	3
t-Butyl alcohol	N.D.	20	5
n-Butylbenzene	N.D.	5	1

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Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

Method Blank (continued)

Analysis Name	Result	LOQ**	MDL
	ug/l	ug/l	ug/l
sec-Butylbenzene	N.D.	5	1
tert-Butylbenzene	N.D.	5	1
Carbon Disulfide	N.D.	5	1
Carbon Tetrachloride	N.D.	1	0.5
Chlorobenzene	N.D.	1	0.5
Chloroethane	N.D.	1	0.5
Chloroform	N.D.	1	0.5
Chloromethane	N.D.	1	0.5
2-Chlorotoluene	N.D.	5	1
4-Chlorotoluene	N.D.	5	1
1,2-Dibromo-3-chloropropane	N.D.	5	2
Dibromochloromethane	N.D.	1	0.5
1,2-Dibromoethane	N.D.	1	0.5
Dibromomethane	N.D.	1	0.5
1,2-Dichlorobenzene	N.D.	5	1
1,3-Dichlorobenzene	N.D.	5	1
1,4-Dichlorobenzene	N.D.	5	1
Dichlorodifluoromethane	N.D.	1	0.5
1,1-Dichloroethane	N.D.	1	0.5
1,2-Dichloroethane	N.D.	1	0.5
1,1-Dichloroethene	N.D.	1	0.5
cis-1,2-Dichloroethene	N.D.	1	0.5
trans-1,2-Dichloroethene	N.D.	1	0.5
1,2-Dichloropropane	N.D.	1	0.5
1,3-Dichloropropane	N.D.	1	0.5
2,2-Dichloropropane	N.D.	1	0.5
1,1-Dichloropropene	N.D.	5	1
cis-1,3-Dichloropropene	N.D.	1	0.5
trans-1,3-Dichloropropene	N.D.	1	0.5
Ethyl t-butyl ether	N.D.	1	0.5
Ethylbenzene	N.D.	1	0.5
Hexachlorobutadiene	N.D.	5	2
n-Hexane	N.D.	5	2
2-Hexanone	N.D.	10	3
di-Isopropyl ether	N.D.	1	0.5
Isopropylbenzene	N.D.	5	1
p-Isopropyltoluene	N.D.	5	1
Methyl Tertiary Butyl Ether	N.D.	1	0.5
4-Methyl-2-pentanone	N.D.	10	3
Methylene Chloride	N.D.	1	0.5
Naphthalene	N.D.	5	1
n-Propylbenzene	N.D.	5	1
Styrene	N.D.	5	1
1,1,1,2-Tetrachloroethane	N.D.	1	0.5
1,1,2,2-Tetrachloroethane	N.D.	1	0.5

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

Method Blank (continued)

Analysis Name	Result	LOQ**	MDL
	ug/l	ug/l	ug/l
Tetrachloroethene	N.D.	1	0.5
Toluene	N.D.	1	0.5
1,2,3-Trichlorobenzene	N.D.	5	1
1,2,4-Trichlorobenzene	N.D.	5	1
1,1,1-Trichloroethane	N.D.	1	0.5
1,1,2-Trichloroethane	N.D.	1	0.5
Trichloroethene	N.D.	1	0.5
Trichlorofluoromethane	N.D.	1	0.5
1,2,3-Trichloropropane	N.D.	5	1
1,2,4-Trimethylbenzene	N.D.	5	1
1,3,5-Trimethylbenzene	N.D.	5	1
Vinyl Chloride	N.D.	1	0.5
m+p-Xylene	N.D.	1	0.5
o-Xylene	N.D.	1	0.5
Xylene (Total)	N.D.	1	0.5

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 4181412AA	Sample number(s): 9615286-9615291,9615298								
Acetone	150	175.78			117		54-157		
t-Amyl methyl ether	20	17.29			86		66-120		
Benzene	20	20.6			103		80-120		
Bromobenzene	20	18.51			93		80-120		
Bromochloromethane	20	18.9			95		80-120		
Bromodichloromethane	20	19.89			99		71-120		
Bromoform	20	16.22			81		59-120		
Bromomethane	20	18.67			93		58-130		
2-Butanone	150	148.19			99		59-135		
t-Butyl alcohol	200	208.7			104		66-132		
n-Butylbenzene	20	19.72			99		76-120		
sec-Butylbenzene	20	19.45			97		77-120		
tert-Butylbenzene	20	17.87			89		78-120		
Carbon Disulfide	20	17.88			89		65-128		
Carbon Tetrachloride	20	21.62			108		64-134		
Chlorobenzene	20	20.31			102		80-120		
Chloroethane	20	18			90		61-123		
Chloroform	20	21.51			108		80-120		
Chloromethane	20	19.36			97		63-120		
2-Chlorotoluene	20	19.45			97		80-120		

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Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Chlorotoluene	20	20.08			100		80-120		
1,2-Dibromo-3-chloropropane	20	20.87			104		53-128		
Dibromochloromethane	20	19.08			95		71-120		
1,2-Dibromoethane	20	19.53			98		75-120		
Dibromomethane	20	20.82			104		80-120		
1,2-Dichlorobenzene	20	18.91			95		80-120		
1,3-Dichlorobenzene	20	18.9			94		80-120		
1,4-Dichlorobenzene	20	18.84			94		80-120		
Dichlorodifluoromethane	20	23.31			117		47-124		
1,1-Dichloroethane	20	21.77			109		80-120		
1,2-Dichloroethane	20	22.97			115		73-124		
1,1-Dichloroethene	20	20.87			104		80-131		
cis-1,2-Dichloroethene	20	20.15			101		80-120		
trans-1,2-Dichloroethene	20	20.99			105		80-120		
1,2-Dichloropropane	20	21.25			106		80-120		
1,3-Dichloropropane	20	21.46			107		80-120		
2,2-Dichloropropane	20	19.36			97		69-133		
1,1-Dichloropropene	20	20.42			102		78-120		
cis-1,3-Dichloropropene	20	18.41			92		75-120		
trans-1,3-Dichloropropene	20	20.04			100		76-120		
Ethyl t-butyl ether	20	17.32			87		68-121		
Ethylbenzene	20	20.37			102		80-120		
Hexachlorobutadiene	20	16.02			80		68-120		
n-Hexane	20	20.1			101		54-135		
2-Hexanone	100	97.13			97		50-141		
di-Isopropyl ether	20	20.36			102		70-124		
Isopropylbenzene	20	19.16			96		80-120		
p-Isopropyltoluene	20	19.11			96		76-120		
Methyl Tertiary Butyl Ether	20	19.13			96		75-120		
4-Methyl-2-pentanone	100	94.29			94		62-133		
Methylene Chloride	20	21.12			106		80-120		
Naphthalene	20	16.93			85		59-120		
n-Propylbenzene	20	21.06			105		79-121		
Styrene	20	19.32			97		80-120		
1,1,1,2-Tetrachloroethane	20	20.23			101		78-120		
1,1,2,2-Tetrachloroethane	20	20.31			102		72-120		
Tetrachloroethene	20	18.2			91		80-120		
Toluene	20	20.46			102		80-120		
1,2,3-Trichlorobenzene	20	16.75			84		66-120		
1,2,4-Trichlorobenzene	20	15.68			78		70-120		
1,1,1-Trichloroethane	20	20.57			103		67-126		
1,1,2-Trichloroethane	20	21.1			106		80-120		
Trichloroethene	20	19.27			96		80-120		
Trichlorofluoromethane	20	23.46			117		60-136		

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Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2,3-Trichloropropane	20	21.48			107		80-120		
1,2,4-Trimethylbenzene	20	20.23			101		75-120		
1,3,5-Trimethylbenzene	20	19.8			99		75-120		
Vinyl Chloride	20	17.75			89		68-120		
m+p-Xylene	40	39.89			100		80-120		
o-Xylene	20	18.63			93		80-120		
Xylene (Total)	60	58.52			98		80-120		
Batch number: 4181413AA	Sample number(s): 9615292-9615297								
Acetone	150	171.37			114		54-157		
t-Amyl methyl ether	20	17.95			90		66-120		
Benzene	20	20.07			100		80-120		
Bromobenzene	20	18.82			94		80-120		
Bromochloromethane	20	18.77			94		80-120		
Bromodichloromethane	20	18.84			94		71-120		
Bromoform	20	16.19			81		59-120		
Bromomethane	20	16.16			81		58-130		
2-Butanone	150	137.42			92		59-135		
t-Butyl alcohol	200	197.62			99		66-132		
n-Butylbenzene	20	18.6			93		76-120		
sec-Butylbenzene	20	19.01			95		77-120		
tert-Butylbenzene	20	18.37			92		78-120		
Carbon Disulfide	20	17.62			88		65-128		
Carbon Tetrachloride	20	19.91			100		64-134		
Chlorobenzene	20	20.05			100		80-120		
Chloroethane	20	15.58			78		61-123		
Chloroform	20	20.13			101		80-120		
Chloromethane	20	16.2			81		63-120		
2-Chlorotoluene	20	19.73			99		80-120		
4-Chlorotoluene	20	19.82			99		80-120		
1,2-Dibromo-3-chloropropane	20	18.14			91		53-128		
Dibromochloromethane	20	18.57			93		71-120		
1,2-Dibromoethane	20	19.11			96		75-120		
Dibromomethane	20	19.97			100		80-120		
1,2-Dichlorobenzene	20	18.77			94		80-120		
1,3-Dichlorobenzene	20	18.63			93		80-120		
1,4-Dichlorobenzene	20	19.12			96		80-120		
Dichlorodifluoromethane	20	16.46			82		47-124		
1,1-Dichloroethane	20	20.87			104		80-120		
1,2-Dichloroethane	20	20.53			103		73-124		
1,1-Dichloroethene	20	20.72			104		80-131		
cis-1,2-Dichloroethene	20	20.23			101		80-120		
trans-1,2-Dichloroethene	20	20.64			103		80-120		
1,2-Dichloropropane	20	20.51			103		80-120		

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(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,3-Dichloropropane	20	20.2			101		80-120		
2,2-Dichloropropane	20	18.8			94		69-133		
1,1-Dichloropropene	20	19.69			98		78-120		
cis-1,3-Dichloropropene	20	18.48			92		75-120		
trans-1,3-Dichloropropene	20	18.86			94		76-120		
Ethyl t-butyl ether	20	17.91			90		68-121		
Ethylbenzene	20	19.51			98		80-120		
Hexachlorobutadiene	20	16.75			84		68-120		
n-Hexane	20	19.07			95		54-135		
2-Hexanone	100	87.46			87		50-141		
di-Isopropyl ether	20	19.99			100		70-124		
Isopropylbenzene	20	19.21			96		80-120		
p-Isopropyltoluene	20	18.9			94		76-120		
Methyl Tertiary Butyl Ether	20	19.25			96		75-120		
4-Methyl-2-pentanone	100	88.33			88		62-133		
Methylene Chloride	20	20.44			102		80-120		
Naphthalene	20	17.08			85		59-120		
n-Propylbenzene	20	20.01			100		79-121		
Styrene	20	19.14			96		80-120		
1,1,1,2-Tetrachloroethane	20	19.57			98		78-120		
1,1,2,2-Tetrachloroethane	20	19.68			98		72-120		
Tetrachloroethene	20	19.05			95		80-120		
Toluene	20	20.26			101		80-120		
1,2,3-Trichlorobenzene	20	17.6			88		66-120		
1,2,4-Trichlorobenzene	20	16.49			82		70-120		
1,1,1-Trichloroethane	20	20.14			101		67-126		
1,1,2-Trichloroethane	20	20.1			100		80-120		
Trichloroethene	20	19.36			97		80-120		
Trichlorofluoromethane	20	18.36			92		60-136		
1,2,3-Trichloropropane	20	20.52			103		80-120		
1,2,4-Trimethylbenzene	20	19.36			97		75-120		
1,3,5-Trimethylbenzene	20	19.49			97		75-120		
Vinyl Chloride	20	15.21			76		68-120		
m+p-Xylene	40	39.61			99		80-120		
o-Xylene	20	18.84			94		80-120		
Xylene (Total)	60	58.45			97		80-120		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

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(2) The unspiked result was more than four times the spike added.
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Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 4181412AA	Sample number(s): 9615286-9615291,9615298 UNSPK: 9615286									
Acetone	N.D.	150	164.46	150	177.55	110	118	54-157	8	30
t-Amyl methyl ether	0.591	20	18.1	20	18.94	88	92	66-120	5	30
Benzene	N.D.	20	21.17	20	21.57	106	108	80-120	2	30
Bromobenzene	N.D.	20	18.96	20	19.38	95	97	80-120	2	30
Bromochloromethane	N.D.	20	19.11	20	19.49	96	97	80-120	2	30
Bromodichloromethane	N.D.	20	19.73	20	19.93	99	100	71-120	1	30
Bromoform	N.D.	20	15.35	20	16.44	77	82	59-120	7	30
Bromomethane	N.D.	20	17.43	20	16.79	87	84	58-130	4	30
2-Butanone	N.D.	150	142.9	150	138.86	95	93	59-135	3	30
t-Butyl alcohol	N.D.	200	189	200	184.19	95	92	66-132	3	30
n-Butylbenzene	N.D.	20	19.57	20	19.85	98	99	76-120	1	30
sec-Butylbenzene	N.D.	20	19.82	20	20.16	99	101	77-120	2	30
tert-Butylbenzene	N.D.	20	18.95	20	19.13	95	96	78-120	1	30
Carbon Disulfide	N.D.	20	18.49	20	18.67	92	93	65-128	1	30
Carbon Tetrachloride	N.D.	20	22.42	20	22.81	112	114	64-134	2	30
Chlorobenzene	N.D.	20	20.46	20	21.19	102	106	80-120	3	30
Chloroethane	N.D.	20	16.94	20	16.42	85	82	61-123	3	30
Chloroform	N.D.	20	21.55	20	21.85	108	109	80-120	1	30
Chloromethane	N.D.	20	17.27	20	16.61	86	83	63-120	4	30
2-Chlorotoluene	N.D.	20	20.58	20	20.87	103	104	80-120	1	30
4-Chlorotoluene	N.D.	20	20.47	20	20.65	102	103	80-120	1	30
1,2-Dibromo-3-chloropropane	N.D.	20	18.62	20	19.03	93	95	53-128	2	30
Dibromochloromethane	N.D.	20	18.93	20	19.35	95	97	71-120	2	30
1,2-Dibromoethane	N.D.	20	18.8	20	19.5	94	97	75-120	4	30
Dibromomethane	N.D.	20	20.62	20	20.54	103	103	80-120	0	30
1,2-Dichlorobenzene	N.D.	20	19.27	20	19.2	96	96	80-120	0	30
1,3-Dichlorobenzene	N.D.	20	19.03	20	19.46	95	97	80-120	2	30
1,4-Dichlorobenzene	N.D.	20	19.4	20	19.67	97	98	80-120	1	30
Dichlorodifluoromethane	N.D.	20	19.82	20	19.01	99	95	47-124	4	30
1,1-Dichloroethane	N.D.	20	21.84	20	22.52	109	113	80-120	3	30
1,2-Dichloroethane	N.D.	20	22.09	20	21.84	110	109	73-124	1	30
1,1-Dichloroethene	N.D.	20	22.71	20	23.22	114	116	80-131	2	30
cis-1,2-Dichloroethene	N.D.	20	21.12	20	21.65	106	108	80-120	3	30
trans-1,2-Dichloroethene	N.D.	20	21.36	20	21.61	107	108	80-120	1	30
1,2-Dichloropropane	N.D.	20	21.64	20	22.09	108	110	80-120	2	30
1,3-Dichloropropane	N.D.	20	20.6	20	20.69	103	103	80-120	0	30
2,2-Dichloropropane	N.D.	20	20.23	20	20.39	101	102	69-133	1	30
1,1-Dichloropropene	N.D.	20	21.52	20	21.66	108	108	78-120	1	30
cis-1,3-Dichloropropene	N.D.	20	17.91	20	18.7	90	93	75-120	4	30
trans-1,3-Dichloropropene	N.D.	20	19.35	20	19.86	97	99	76-120	3	30
Ethyl t-butyl ether	N.D.	20	17.86	20	18.12	89	91	68-121	1	30
Ethylbenzene	N.D.	20	20.72	20	21	104	105	80-120	1	30

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Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Hexachlorobutadiene	N.D.	20	16.95	20	17.46	85	87	68-120	3	30
n-Hexane	N.D.	20	22.21	20	21.21	111	106	54-135	5	30
2-Hexanone	N.D.	100	89.52	100	88.37	90	88	50-141	1	30
di-Isopropyl ether	N.D.	20	20.46	20	20.81	102	104	70-124	2	30
Isopropylbenzene	N.D.	20	20.09	20	20.71	100	104	80-120	3	30
p-Isopropyltoluene	N.D.	20	19.44	20	20	97	100	76-120	3	30
Methyl Tertiary Butyl Ether	9.67	20	28.8	20	29.16	96	97	75-120	1	30
4-Methyl-2-pentanone	N.D.	100	90.07	100	89.91	90	90	62-133	0	30
Methylene Chloride	N.D.	20	21.42	20	21.84	107	109	80-120	2	30
Naphthalene	N.D.	20	16.86	20	17.27	84	86	59-120	2	30
n-Propylbenzene	N.D.	20	21.24	20	21.26	106	106	79-121	0	30
Styrene	N.D.	20	19.38	20	19.28	97	96	80-120	1	30
1,1,1,2-Tetrachloroethane	N.D.	20	20.58	20	20.39	103	102	78-120	1	30
1,1,2,2-Tetrachloroethane	N.D.	20	19.35	20	20.21	97	101	72-120	4	30
Tetrachloroethene	N.D.	20	19.81	20	20.53	99	103	80-120	4	30
Toluene	N.D.	20	20.53	20	20.8	103	104	80-120	1	30
1,2,3-Trichlorobenzene	N.D.	20	16.8	20	17.59	84	88	66-120	5	30
1,2,4-Trichlorobenzene	N.D.	20	16.12	20	16.88	81	84	70-120	5	30
1,1,1-Trichloroethane	N.D.	20	20.56	20	21.26	103	106	67-126	3	30
1,1,2-Trichloroethane	N.D.	20	20.18	20	20.85	101	104	80-120	3	30
Trichloroethene	N.D.	20	20.5	20	21.2	103	106	80-120	3	30
Trichlorofluoromethane	N.D.	20	21.85	20	21.2	109	106	60-136	3	30
1,2,3-Trichloropropane	N.D.	20	20.09	20	20.28	100	101	80-120	1	30
1,2,4-Trimethylbenzene	N.D.	20	20.08	20	20.29	100	101	75-120	1	30
1,3,5-Trimethylbenzene	N.D.	20	20.06	20	20.43	100	102	75-120	2	30
Vinyl Chloride	N.D.	20	17.06	20	16.7	85	84	68-120	2	30
m+p-Xylene	N.D.	40	40.83	40	41.6	102	104	80-120	2	30
o-Xylene	N.D.	20	19.08	20	19.54	95	98	80-120	2	30
Xylene (Total)	N.D.	60	59.91	60	61.14	100	102	80-120	2	30
Batch number: 4181413AA	Sample number(s): 9615292-9615297 UNSPK: 9615292									
Acetone	N.D.	150	187.49	150	178.52	125	119	54-157	5	30
t-Amyl methyl ether	1.59	20	20.43	20	20.82	94	96	66-120	2	30
Benzene	N.D.	20	21.84	20	22.12	109	111	80-120	1	30
Bromobenzene	N.D.	20	19.77	20	20.28	99	101	80-120	3	30
Bromochloromethane	N.D.	20	19.39	20	20.48	97	102	80-120	5	30
Bromodichloromethane	N.D.	20	19.83	20	20.14	99	101	71-120	2	30
Bromoform	N.D.	20	16.33	20	16.5	82	83	59-120	1	30
Bromomethane	N.D.	20	17.73	20	17.31	89	87	58-130	2	30
2-Butanone	N.D.	150	140.4	150	142.89	94	95	59-135	2	30
t-Butyl alcohol	N.D.	200	202.03	200	196.72	101	98	66-132	3	30
n-Butylbenzene	N.D.	20	20.23	20	20.53	101	103	76-120	1	30
sec-Butylbenzene	N.D.	20	20.79	20	20.7	104	104	77-120	0	30

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Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
tert-Butylbenzene	N.D.	20	19.8	20	20.24	99	101	78-120	2	30
Carbon Disulfide	N.D.	20	18.66	20	18.92	93	95	65-128	1	30
Carbon Tetrachloride	N.D.	20	22.64	20	23.05	113	115	64-134	2	30
Chlorobenzene	N.D.	20	21.47	20	21.81	107	109	80-120	2	30
Chloroethane	N.D.	20	16.66	20	16.7	83	84	61-123	0	30
Chloroform	N.D.	20	21.67	20	22.04	108	110	80-120	2	30
Chloromethane	N.D.	20	16.87	20	17.41	84	87	63-120	3	30
2-Chlorotoluene	N.D.	20	21.61	20	21.38	108	107	80-120	1	30
4-Chlorotoluene	N.D.	20	20.74	20	21.67	104	108	80-120	4	30
1,2-Dibromo-3-chloropropane	N.D.	20	18.72	20	19.11	94	96	53-128	2	30
Dibromochloromethane	N.D.	20	19.31	20	19.54	97	98	71-120	1	30
1,2-Dibromoethane	N.D.	20	19.67	20	19.76	98	99	75-120	0	30
Dibromomethane	N.D.	20	20.65	20	21.12	103	106	80-120	2	30
1,2-Dichlorobenzene	N.D.	20	19.86	20	20.06	99	100	80-120	1	30
1,3-Dichlorobenzene	N.D.	20	19.72	20	20.08	99	100	80-120	2	30
1,4-Dichlorobenzene	N.D.	20	20.08	20	20.5	100	102	80-120	2	30
Dichlorodifluoromethane	N.D.	20	19.52	20	19.26	98	96	47-124	1	30
1,1-Dichloroethane	N.D.	20	22.38	20	22.79	112	114	80-120	2	30
1,2-Dichloroethane	N.D.	20	21.99	20	22	110	110	73-124	0	30
1,1-Dichloroethene	N.D.	20	23.64	20	23.85	118	119	80-131	1	30
cis-1,2-Dichloroethene	N.D.	20	21.84	20	22	109	110	80-120	1	30
trans-1,2-Dichloroethene	N.D.	20	21.93	20	22.86	110	114	80-120	4	30
1,2-Dichloropropane	N.D.	20	22.07	20	22.42	110	112	80-120	2	30
1,3-Dichloropropane	N.D.	20	20.95	20	21.28	105	106	80-120	2	30
2,2-Dichloropropane	N.D.	20	20.78	20	21.17	104	106	69-133	2	30
1,1-Dichloropropene	N.D.	20	21.89	20	22.56	109	113	78-120	3	30
cis-1,3-Dichloropropene	N.D.	20	18.54	20	18.77	93	94	75-120	1	30
trans-1,3-Dichloropropene	N.D.	20	19.71	20	19.96	99	100	76-120	1	30
Ethyl t-butyl ether	N.D.	20	18.85	20	19.33	94	97	68-121	3	30
Ethylbenzene	N.D.	20	21.14	20	21.46	106	107	80-120	1	30
Hexachlorobutadiene	N.D.	20	17.39	20	18.22	87	91	68-120	5	30
n-Hexane	N.D.	20	23.38	20	22.45	117	112	54-135	4	30
2-Hexanone	N.D.	100	89.87	100	91.36	90	91	50-141	2	30
di-Isopropyl ether	N.D.	20	20.95	20	21.58	105	108	70-124	3	30
Isopropylbenzene	N.D.	20	21.01	20	21.06	105	105	80-120	0	30
p-Isopropyltoluene	N.D.	20	20.4	20	20.7	102	103	76-120	1	30
Methyl Tertiary Butyl Ether	24.41	20	44.74	20	45.92	102	108	75-120	3	30
4-Methyl-2-pentanone	N.D.	100	89.47	100	91.89	89	92	62-133	3	30
Methylene Chloride	N.D.	20	21.89	20	22.95	109	115	80-120	5	30
Naphthalene	N.D.	20	17.55	20	17.89	88	89	59-120	2	30
n-Propylbenzene	N.D.	20	21.96	20	21.98	110	110	79-121	0	30
Styrene	N.D.	20	19.76	20	19.96	99	100	80-120	1	30
1,1,1,2-Tetrachloroethane	N.D.	20	21.03	20	21.21	105	106	78-120	1	30

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Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
1,1,2,2-Tetrachloroethane	N.D.	20	19.92	20	20.14	100	101	72-120	1	30
Tetrachloroethene	N.D.	20	21.15	20	21.12	106	106	80-120	0	30
Toluene	N.D.	20	21.47	20	21.7	107	108	80-120	1	30
1,2,3-Trichlorobenzene	N.D.	20	17.56	20	18.54	88	93	66-120	5	30
1,2,4-Trichlorobenzene	N.D.	20	17.1	20	17.26	86	86	70-120	1	30
1,1,1-Trichloroethane	N.D.	20	21.86	20	22.38	109	112	67-126	2	30
1,1,2-Trichloroethane	N.D.	20	20.94	20	20.81	105	104	80-120	1	30
Trichloroethene	N.D.	20	20.83	20	21.02	104	105	80-120	1	30
Trichlorofluoromethane	N.D.	20	21.92	20	21.74	110	109	60-136	1	30
1,2,3-Trichloropropane	N.D.	20	20.69	20	21.02	103	105	80-120	2	30
1,2,4-Trimethylbenzene	N.D.	20	20.71	20	20.71	104	104	75-120	0	30
1,3,5-Trimethylbenzene	N.D.	20	20.73	20	20.81	104	104	75-120	0	30
Vinyl Chloride	N.D.	20	16.99	20	17.5	85	88	68-120	3	30
m+p-Xylene	N.D.	40	42.3	40	42.67	106	107	80-120	1	30
o-Xylene	N.D.	20	19.89	20	20.08	99	100	80-120	1	30
Xylene (Total)	N.D.	60	62.19	60	62.76	104	105	80-120	1	30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Full list + oxys + hexane
Batch number: 4181412AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9615286	102	102	102	101
9615287	103	104	101	101
9615288	102	101	101	100
9615289	102	101	102	99
9615290	104	104	102	100
9615291	102	104	102	99
9615298	101	102	101	101
Blank	106	101	104	102
LCS	104	100	106	107
MS	102	102	102	104
MSD	101	103	103	104
Limits:	80-120	80-120	80-120	80-120

Analysis Name: Full list + oxys + hexane
Batch number: 4181413AA

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2018 16:15

Group Number: 1944746

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Full list + oxys + hexane
Batch number: 4181413AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9615292	101	101	101	99
9615293	101	103	101	100
9615294	102	100	102	99
9615295	101	101	102	100
9615296	103	101	102	99
9615297	103	101	102	100
Blank	102	101	103	102
LCS	101	99	103	104
MS	100	102	102	103
MSD	100	97	103	103
Limits:	80-120	80-120	80-120	80-120

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

13459 1944746 9615286 -98

CHAIN OF CUSTODY- ExxonMobil Projects

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Lancaster Laboratories

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17605
TEL. 717-656-2300
www.lancasterlabs.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #

Client / Reporting Information

Company Name: Kleinfelder
Street Address: 1340 Charwood Road Ste. 1
City: Hanover, MD State: Zip: 21076
Project Contact: Stacey Schiding E-mail:
Phone #: 410-850-0404 Fax #:
Sampler(s) Name(s): Charlie Brehm Phone #:

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix
Major Project (AFE): 28077
Project Name: 14258 Jarrettsville Pike
City: Phoenix State: MD
ExxonMobil Manager: John Hoban
ExxonMobil Purchase Order #:

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant
Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank

	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	MTBE, BTEX, ETBE, TAME, DIPE, TBA by 8260B	Full List VOCs +Oxy5 by 8260	LAB USE ONLY
	MW-189D(79)		5/15/18	0900	CB	GW	3	X									X	
	MW-189D(91.5)		5/15/18	0902	CB	GW	3	X									X	
	MW-189D(117-119)		5/15/18	0904	CB	GW	3	X									X	
	MW-189D(122)		5/15/18	0906	CB	GW	3	X									X	
	MW-189D(138-140)		5/15/18	0908	CB	GW	3	X									X	
	MW-189D(161)		5/15/18	0910	CB	GW	3	X									X	
	MW-189D(216)		5/15/18	0912	CB	GW	3	X									X	
	MW-189D(256-258)		5/15/18	0914	CB	GW	3	X									X	
	MW-189D(278)		5/15/18	0916	CB	GW	3	X									X	
	MW-189D(315)		5/15/18	0918	CB	GW	3	X									X	
	MW-189D(357)		5/15/18	0920	CB	GW	3	X									X	
	MW-189D(374)		5/15/18	0922	CB	GW	3	X									X	

Turnaround Time (Business days)

- [x] ~~Std. 10 Business Days~~
- [ ] 8 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [x] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [x] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		5/17/18 12:50			5/17/18 19:00	
2						
3						
4						
5						

Custody Seal # NA ☐ Intact ☐ Not intact

Preserved where applicable ☒

On Ice ☒ Cooler Temp. 2.6

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CHAIN OF CUSTODY- ExxonMobil Projects

PAGE ___ OF ___

Lancaster Laboratories

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17605
TEL. 717-656-2300
www.lancasterlabs.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #

Client / Reporting Information

Company Name: Kleinfelder
Street Address: 1340 Charwood Road Ste. 1
City / State / Zip: Hanover, MD 21076
Project Contact / E-mail: Stacey Schiding
Phone # / Fax #: 410-850-0404
Sampler(s) Name(s) / Phone #: Charlie Brehm

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix
Major Project (AFE): 28077
Project Name: 14258 Jarrettsville Pike
City / State: Phoenix MD
ExxonMobil Manager: Clark Bozeman
ExxonMobil Purchase Order #:

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant
Company Name:
Street Address:
City / State / Zip:
Attention: PO#

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCO	MTBE, BTEX, ETBE, TAME, DIPE, TBA by 8260B	Full List VOCs +Oxy5 by 8260	LAB USE ONLY
	TB 18127		5/9/18	—	KC	TB	2	X								X		

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [X] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [X] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		5/17/18 12:50	1	2	5/17/18 19:10	2
3			3	4		4
5			5	Custody Seal # NA	☐ Intact ☐ Not Intact	Preserved where applicable ☒	On Ice ☒	Cooler Temp. 2.6

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 216707

Group Number(s): 1944746

Client: Kleinfelder

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	05/17/2018 19:10
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	2
Samples Intact:	Yes	Trip Blank Type:	HCl
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Simon Nies (25112) at 20:25 on 05/17/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-02	2.6	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	non-detect
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.