



June 27, 2019

Ms. Renee Romero  
New Mexico Environment Department  
Petroleum Storage Tank Bureau  
1914 West 2nd Street  
Roswell, New Mexico 88201

Re: Well Installation Progress Update (First Month)  
Former Y Station State Lead Site, 721 Commerce Way, Clovis, New Mexico  
Facility #53712, Release ID #4746, WPID #4022

Dear Ms. Romero:

Daniel B. Stephens & Associates, Inc. (DBS&A) is pleased to submit this letter report documenting the first month of well installation activities at the Former Y Station State Lead Site (the site) in Clovis, New Mexico. Existing and proposed well locations, including data from the most recent groundwater sampling event, are shown on Figure 1. Soil sampling for well installation was completed in accordance with the approved work plan and will be discussed in the final well installation report, which will include field notes and photographs documenting site activities, bore logs and well completion diagrams, laboratory reports, waste manifests, permits, and well survey reports.

DBS&A mobilized to Clovis on Tuesday, May 28, 2019. DBS&A acquired a hydrant meter from EPCOR, the private water utility in Clovis, and accepted delivery of temporary fencing from Sunny Fence of Albuquerque, New Mexico, the first mud box (roll-off) from Gandy Marley of Roswell, New Mexico, and a portable toilet from Mighty Clean of Clovis. DBS&A met with Mike's Landscaping Services of Clovis, who had removed a large juniper bush in the triangular median at the intersection of Commerce Way and Prince Street over the previous weekend to facilitate the installation of RW-1. New Mexico One Call was contacted prior to the drilling program, and subsurface utilities were marked when DBS&A arrived on-site.

On May 29, 2019, Yellow Jacket Drilling Services (YJD) mobilized to the site from Phoenix, Arizona, with a Terra Sonic International 150 (TSI-150) sonic drilling rig, a Genie compact telehandler 5519 (GTH-5519) forklift, a support truck, and associated pipe, equipment, and well materials. YJD set up on the MW-11 location and began drilling on May 30, 2019. Water was encountered at approximately 326 feet below ground surface (bgs), so the well was completed to a total depth of 361 feet bgs, with screen set from 285.5 to 355.5 feet bgs, on June 6 and 7, 2019. Contamination in the soil boring was noted only at the water table, with a photoionization detector (PID) reading of 257.6 parts per million by volume (ppmv). In order to better assess the future location of the floating monitor well, MW-13, a groundwater sample was collected from MW-11 using a disposable polyethylene bailer and analyzed for volatile organic compounds (VOCs) and 1,2-dibromoethane (EDB) using U.S. Environmental Protection Agency (EPA)

*Daniel B. Stephens & Associates, Inc.*

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505-822-9400

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Ms. Renee Romero

June 27, 2019

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methods 8260B (full list) and 504.1, respectively. The sample was collected prior to well development and without proper purge volumes, but is believed sufficient to assess the general condition of groundwater conditions in the vicinity of the well. Benzene and 1,2-dichloroethane (EDC) were detected above New Mexico Water Quality Control Commission (NMWQCC) standards at concentrations of 64 and 5.2 micrograms per liter ( $\mu\text{g/L}$ ), respectively. The lab report is provided in Attachment 1. Monitor well MW-11 was also surveyed by Lydick Engineers & Surveyors, Inc. of Clovis, New Mexico.

On June 15, 2019, DBS&A and YJD returned to the site and set up on the RW-2 location. Traffic control was provided for this location by Southwest Safety Services, Inc. (SWS) of Albuquerque, New Mexico, which included shoulder work signs and vertical reflective panels, as well as business access signs and pedestrian barriers for the on-site business, Optical Source. Continuous, 24-hour operations were implemented to minimize the length of the disturbance to Optical Source, including drilling, well installation, and DBS&A oversight. Despite delays for equipment repairs and severe storms, the well was completed on schedule on June 19, 2019. Water was encountered at a depth of approximately 330 feet bgs, so the well was screened from 290 to 360 feet bgs. The 2-inch-diameter vadose zone components of the multi-zone well were screened from 135 to 195 and 215 to 275 feet bgs, as specified in the approved work plan. Below approximately 135 feet bgs, PID readings were above 100 ppmv with numerous intervals exceeding the range of the instrument ( $>15,000$  ppmv). Each of the samples collected between 275 and 335 feet bgs, corresponding to the smear zone between the historic and current water table, exceeded the PID range.

On June 20, 2019, YJD set up on the RW-1 location. Traffic control was provided by SWS to close a total of four lanes of traffic, including the two eastbound left turn lanes for Commerce Way, the westbound lane for Commerce Way, and the northbound left turn lane for North Prince Street. As of the date of this letter, YJD has achieved a target drilling depth of 365 feet bgs, and well installation is currently underway.

A total of four mud boxes have been needed to dispose of investigation-derived waste (IDW) from the three wells. DBS&A anticipates needing to access contingency set-aside for IDW as the site investigation progresses and will work with the PSTB to minimize the additional cost. Based on YJD's initial estimates, six mud boxes were budgeted for all eight wells.

DBS&A has continued to pursue access agreements from key property owners associated with the drilling program. Due to inability to reach an agreement with the owner of the large parking lot, Clovis Shopping Center, LLC, the proposed location for MW-12 was moved south onto property owner by Mr. Sam Snell. An access agreement was negotiated through Mr. Snell's attorney on June 13, 2019. Based on data acquired to date, DBS&A anticipates installing floating monitor well MW-13 on property owned by Domino's Pizza. Access was granted by Domino's on June 25, 2019. DBS&A also continues to discuss project activities with the tenants serviced by the large parking lot. Written approval of project activities has been received from

Ms. Renee Romero  
June 27, 2019  
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Goodwill Industries and Harbor Freight, and DBS&A is hopeful of similar approval from Hobby Lobby in the near future.

DBS&A intends to invoice the full approved amount for Deliverable ID #4022-3 as modified by the change order letter approved by the PSTB on May 8, 2019. If you have any questions or require additional information, please contact us at (505) 822-9400.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.



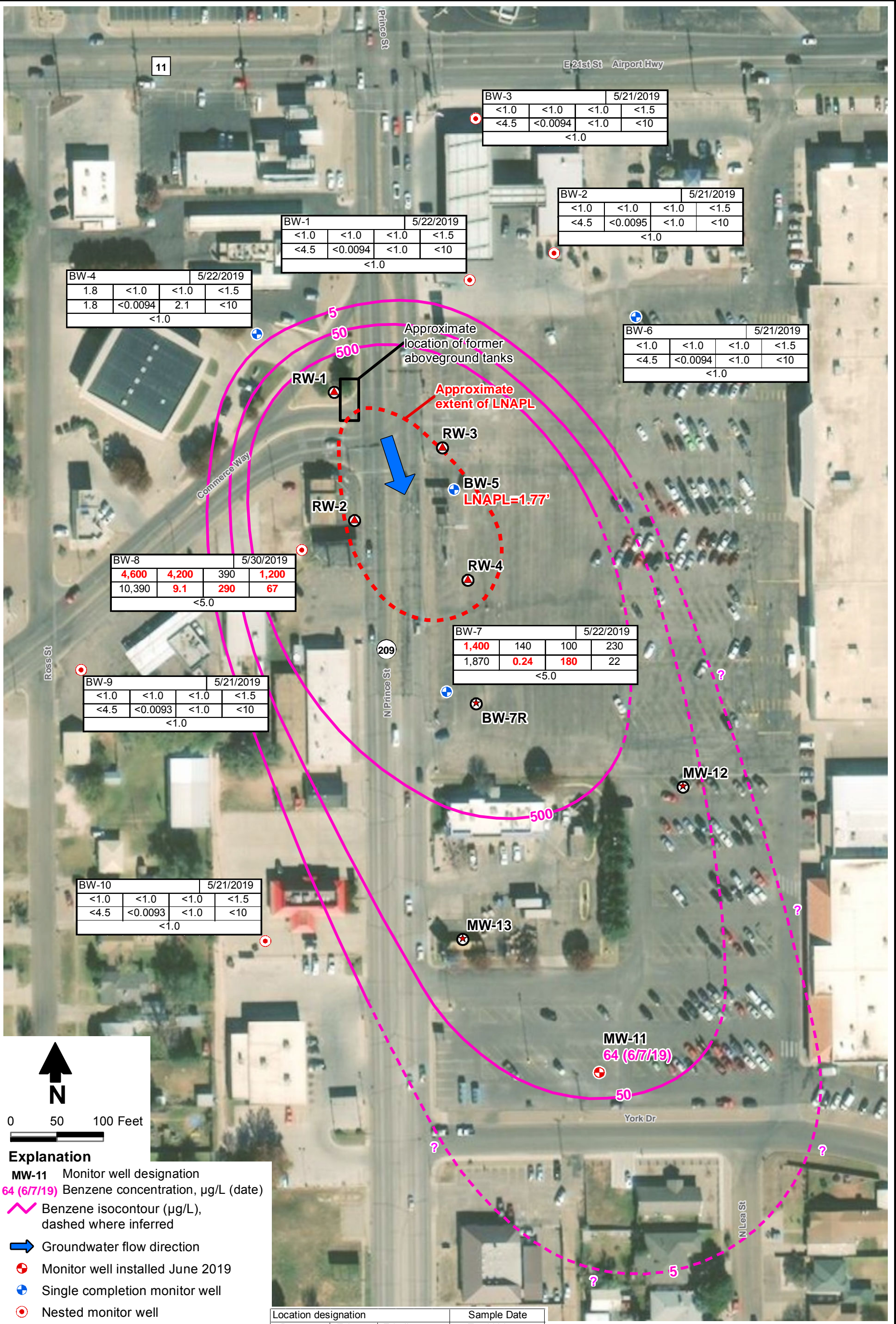
Thomas Golden, P.E.  
Project Engineer



Jason Raucci, P.G.  
Project Geologist

TG/ed

**Figure**



BW-4				5/22/2019
1.8	<1.0	<1.0	<1.5	
1.8	<0.0094	2.1	<10	
				<1.0

BW-1				5/22/2019
<1.0	<1.0	<1.0	<1.5	
<4.5	<0.0094	<1.0	<10	
				<1.0

BW-3				5/21/2019
<1.0	<1.0	<1.0	<1.5	
<4.5	<0.0094	<1.0	<10	
				<1.0

BW-2				5/21/2019
<1.0	<1.0	<1.0	<1.5	
<4.5	<0.0095	<1.0	<10	
				<1.0

BW-6				5/21/2019
<1.0	<1.0	<1.0	<1.5	
<4.5	<0.0094	<1.0	<10	
				<1.0

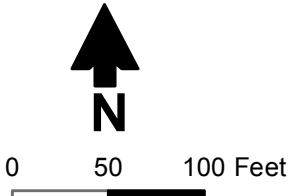
BW-8				5/30/2019
4,600	4,200	390	1,200	
10,390	9.1	290	67	
				<5.0

BW-7				5/22/2019
1,400	140	100	230	
1,870	0.24	180	22	
				<5.0

BW-9				5/21/2019
<1.0	<1.0	<1.0	<1.5	
<4.5	<0.0093	<1.0	<10	
				<1.0

BW-10				5/21/2019
<1.0	<1.0	<1.0	<1.5	
<4.5	<0.0093	<1.0	<10	
				<1.0

Location designation				Sample Date
Benzene	Toluene	Ethylbenzene	Total Xylenes	
BTEX	EDB	EDC	Total Naphthalenes	
MTBE				



- Explanation**
- MW-11 Monitor well designation
  - 64 (6/7/19) Benzene concentration, µg/L (date)
  - ~ Benzene isoconcentration (µg/L), dashed where inferred
  - Groundwater flow direction
  - ⊕ Monitor well installed June 2019
  - ⊕ Single completion monitor well
  - ⊙ Nested monitor well
  - ⊙ Proposed multi-zone remediation well
  - ⊙ Proposed single-zone monitor well

Notes: 1. All concentrations reported in µg/L  
 2. RED indicates concentration that exceeds NMWQCC standard

**FORMER Y STATION STATE LEAD SITE  
 CLOVIS, NEW MEXICO  
 Distribution of Dissolved-Phase  
 Contaminants - May 2019**

Figure 1



**Attachment 1**  
**Lab Report**

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1906493

Date Reported:

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-11

Project: Former Y Station

Collection Date: 6/7/2019 4:55:00 PM

Lab ID: 1906493-001

Matrix: AQUEOUS

Received Date: 6/10/2019 12:05:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	0.13	0.10		mg/L	2	6/11/2019 9:31:33 PM	G60568
Surr: BFB	103	70-130		%Rec	2	6/11/2019 9:31:33 PM	G60568
<b>EPA METHOD 8011/504.1: EDB</b>							Analyst: <b>CLP</b>
1,2-Dibromoethane	0.014	0.0094		µg/L	1	6/11/2019 9:16:19 PM	45489
<b>EPA METHOD 8015M/D: DIESEL RANGE</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/12/2019 8:56:41 AM	45521
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/12/2019 8:56:41 AM	45521
Surr: DNOP	107	70-130		%Rec	1	6/12/2019 8:56:41 AM	45521
<b>EPA METHOD 8260B: VOLATILES</b>							Analyst: <b>DJF</b>
Benzene	64	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Toluene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Ethylbenzene	4.3	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,2,4-Trimethylbenzene	2.0	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,2-Dichloroethane (EDC)	5.2	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Naphthalene	ND	2.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1-Methylnaphthalene	ND	4.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
2-Methylnaphthalene	ND	4.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Acetone	14	10		µg/L	1	6/11/2019 12:06:31 PM	W60553
Bromobenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Bromodichloromethane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Bromoform	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Bromomethane	ND	3.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
2-Butanone	ND	10		µg/L	1	6/11/2019 12:06:31 PM	W60553
Carbon disulfide	ND	10		µg/L	1	6/11/2019 12:06:31 PM	W60553
Carbon Tetrachloride	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Chlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Chloroethane	ND	2.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Chloroform	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Chloromethane	ND	3.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
2-Chlorotoluene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
4-Chlorotoluene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
cis-1,2-DCE	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Dibromochloromethane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
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Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8260B: VOLATILES</b>							Analyst: DJF
Dibromomethane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,1-Dichloroethane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,1-Dichloroethene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,2-Dichloropropane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,3-Dichloropropane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
2,2-Dichloropropane	ND	2.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,1-Dichloropropene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Hexachlorobutadiene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
2-Hexanone	ND	10		µg/L	1	6/11/2019 12:06:31 PM	W60553
Isopropylbenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
4-Isopropyltoluene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
4-Methyl-2-pentanone	ND	10		µg/L	1	6/11/2019 12:06:31 PM	W60553
Methylene Chloride	ND	3.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
n-Butylbenzene	ND	3.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
n-Propylbenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
sec-Butylbenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Styrene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
tert-Butylbenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
trans-1,2-DCE	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Trichlorofluoromethane	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Vinyl chloride	ND	1.0		µg/L	1	6/11/2019 12:06:31 PM	W60553
Xylenes, Total	16	1.5		µg/L	1	6/11/2019 12:06:31 PM	W60553
Surr: 1,2-Dichloroethane-d4	95.2	70-130		%Rec	1	6/11/2019 12:06:31 PM	W60553
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	6/11/2019 12:06:31 PM	W60553
Surr: Dibromofluoromethane	82.0	70-130		%Rec	1	6/11/2019 12:06:31 PM	W60553

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1906493**

Date Reported:

**CLIENT:** Daniel B. Stephens & Assoc.

**Client Sample ID:** MW-11

**Project:** Former Y Station

**Collection Date:** 6/7/2019 4:55:00 PM

**Lab ID:** 1906493-001

**Matrix:** AQUEOUS

**Received Date:** 6/10/2019 12:05:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8260B: VOLATILES</b>							Analyst: <b>DJF</b>
Surr: Toluene-d8	94.6	70-130	%Rec	1		6/11/2019 12:06:31 PM	W60553

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1906493

Date Reported:

**CLIENT:** Daniel B. Stephens & Assoc.

**Client Sample ID:** Trip Blank

**Project:** Former Y Station

**Collection Date:**

**Lab ID:** 1906493-002

**Matrix:** TRIP BLANK

**Received Date:** 6/10/2019 12:05:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8011/504.1: EDB</b>							Analyst: <b>CLP</b>
1,2-Dibromoethane	ND	0.0095		µg/L	1	6/11/2019 9:31:42 PM	45489
<b>EPA METHOD 8260B: VOLATILES</b>							Analyst: <b>DJF</b>
Benzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Toluene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Ethylbenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Naphthalene	ND	2.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1-Methylnaphthalene	ND	4.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
2-Methylnaphthalene	ND	4.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Acetone	ND	10		µg/L	1	6/11/2019 12:35:53 PM	W60553
Bromobenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Bromodichloromethane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Bromoform	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Bromomethane	ND	3.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
2-Butanone	ND	10		µg/L	1	6/11/2019 12:35:53 PM	W60553
Carbon disulfide	ND	10		µg/L	1	6/11/2019 12:35:53 PM	W60553
Carbon Tetrachloride	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Chlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Chloroethane	ND	2.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Chloroform	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Chloromethane	ND	3.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
2-Chlorotoluene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
4-Chlorotoluene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
cis-1,2-DCE	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Dibromochloromethane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Dibromomethane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,1-Dichloroethane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,1-Dichloroethene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,2-Dichloropropane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Daniel B. Stephens & Assoc.**Client Sample ID:** Trip Blank**Project:** Former Y Station**Collection Date:****Lab ID:** 1906493-002**Matrix:** TRIP BLANK**Received Date:** 6/10/2019 12:05:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8260B: VOLATILES</b>							Analyst: DJF
1,3-Dichloropropane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
2,2-Dichloropropane	ND	2.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,1-Dichloropropene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Hexachlorobutadiene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
2-Hexanone	ND	10		µg/L	1	6/11/2019 12:35:53 PM	W60553
Isopropylbenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
4-Isopropyltoluene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
4-Methyl-2-pentanone	ND	10		µg/L	1	6/11/2019 12:35:53 PM	W60553
Methylene Chloride	ND	3.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
n-Butylbenzene	ND	3.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
n-Propylbenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
sec-Butylbenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Styrene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
tert-Butylbenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
trans-1,2-DCE	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Trichlorofluoromethane	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Vinyl chloride	ND	1.0		µg/L	1	6/11/2019 12:35:53 PM	W60553
Xylenes, Total	ND	1.5		µg/L	1	6/11/2019 12:35:53 PM	W60553
Surr: 1,2-Dichloroethane-d4	91.3	70-130		%Rec	1	6/11/2019 12:35:53 PM	W60553
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	6/11/2019 12:35:53 PM	W60553
Surr: Dibromofluoromethane	78.5	70-130		%Rec	1	6/11/2019 12:35:53 PM	W60553
Surr: Toluene-d8	97.1	70-130		%Rec	1	6/11/2019 12:35:53 PM	W60553

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