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May 5, 2021

Ms. Renee Romero
New Mexico Environment Department
Petroleum Storage Tank Bureau
1914 West Second Street
Roswell, New Mexico 88201-1712

Re: Fourth Quarter Groundwater Monitoring Report
Former Y Station, 721 Commerce Way, Clovis, New Mexico
Facility #53742, Release ID #4746, WPID #4133

Dear Ms. Romero:

Daniel B. Stephens & Associates, Inc. (DBS&A) is pleased to submit this report documenting the fourth quarter groundwater monitoring activities conducted at the above-referenced site from March 19 through 21, 2021, in accordance with work plan identification (WPID) #4133. All work was completed in accordance with the requirements of Part 119 of the New Mexico Petroleum Storage Tank Regulations and DBS&A standard operating procedures.

DBS&A plans to invoice a reduced amount of \$19,525.37 for Deliverable ID #4133-5 (including New Mexico gross receipts tax). The overall number of lab samples was reduced from 28 to 16, and Bennett pump sampling was eliminated.

Please contact us at (505) 822-9400 if you have any questions or require additional information.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Thomas Golden, P.E.
Project Engineer

Jason Raucci, P.G.
Geologist

TG/JR/ed
Attachments

Daniel B. Stephens & Associates, Inc.

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505-822-9400

**Fourth Quarter
Groundwater Monitoring Report
Former Y Station
721 Commerce Way, Clovis, New Mexico
Facility ID #53742, Release ID #4746**

Prepared for

**New Mexico Environment Department
Petroleum Storage Tank Bureau
Roswell, New Mexico**

May 5, 2021



Daniel B. Stephens & Associates, Inc.

6020 Academy NE, Suite 100 • Albuquerque, New Mexico 87109



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Fourth Quarter Groundwater Monitoring Report

Former Y Station

721 Commerce Way, Clovis, New Mexico

Facility ID #53742, Release ID #4746

1. Introduction

Daniel B. Stephens & Associates, Inc. (DBS&A) has prepared this report documenting results of fourth quarter groundwater monitoring activities at the Former Y Station State Lead site (the site), located at 721 Commerce Way in Clovis, New Mexico (Figure 1). All field activities were performed in accordance with DBS&A standard operating procedures (SOPs) and work plan identification (WPID) #4133 (DBS&A, 2019), approved by the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) on February 19, 2020 (NMED, 2020). The report was prepared in accordance with applicable sections of Part 119 of the Petroleum Storage Tank Regulations (PSTR).

1.1 Site Background

Initial site investigation activities completed by the previous consultant in 2011 were driven by the discovery of a release during a tank pull at the Allsup's No. 320 site (Allsup's), located at the corner of Prince and 21st Streets. Subsequent investigations from 2012 to 2016 revealed a large dissolved-phase hydrocarbon plume south of the Allsup's, centered near the intersection of Prince Street and Commerce Way. Interviews with local residents and inspection of public records by the previous consultant revealed that a Shamrock-brand fueling station was formerly present on the southwest corner of this intersection, locally referred to as "the Y". Former Y Shamrock was reportedly active from the late 1950s through approximately 1981. The site is currently an optical retail center and is surrounded by a variety of other commercial land uses, such as big-box retail stores, fast food restaurants, and existing gasoline service stations. Residential neighborhoods are adjacent to the commercial corridor to the west and east.

The previous consultant oversaw installation the of 10 groundwater monitor wells (BW-1 through BW-10) in the vicinity of the Former Y station, including 3 groundwater monitor wells on the



Allsup's property (Figure 2). As of July 2016, the extent of groundwater contamination remained undefined to the south and east. Benzene was the constituent found at the highest concentrations and across the greatest areal extent. Concentrations of other contaminants of concern (COCs) above applicable regulatory standards were typically localized near the center of the benzene plume.

On October 24, 2017, DBS&A submitted a proposal in response to the request for proposals (RFP) for State Lead remediation services for the site. DBS&A was deemed to be the most responsive bidder and entered into a contract with NMED executed on May 15, 2018. On May 30, 2019, DBS&A initiated an additional investigation program for installation of 9 new monitor and/or remediation wells at the site. One of the primary goals was to characterize soil and groundwater conditions directly under the site of the Former Y station.

Light nonaqueous-phase liquid (LNAPL) was first observed by DBS&A in monitor well BW-5 on March 6, 2019. The LNAPL thickness in BW-5 has been approximately 9 inches in subsequent groundwater monitoring events. Based on the observed groundwater flow direction to the south-southeast, it is reasonable to assume that LNAPL in BW-5 could have emanated from a source area associated with the Former Y station. Based on the location of BW-5 relative to the presumptive release point, a significant volume of LNAPL is believed to exist within the soil column and at the water table under North Prince Street and Commerce Way.

Data collected during installation of remediation wells RW-1 through RW-4 confirmed the conceptual site model detailed in DBS&A's proposal for State Lead remediation services. Significant contamination is present in the vadose zone adjacent to the release point; however, contamination in the smear zone for downgradient wells appeared to be less than previously believed.

Based on the 2019 investigation findings, DBS&A recommended that corrective action proceed as detailed in the DBS&A proposal for State Lead remediation services, with the remediation system prioritizing removal of source area mass (LNAPL and hydrocarbons in the vadose zone) using multi-zone remediation wells located near the known extent of LNAPL. DBS&A is currently developing a final remediation plan (FRP) for the site. DBS&A also recommended installing three new monitor wells to define the extent of contamination cross-gradient to the



east. Monitor wells MW-15, MW-16, and MW-17 were installed in May and June 2020 (DBS&A, 2020).

1.2 Scope of Work

The scope of work completed under the approved workplan consisted of conducting the fourth quarter groundwater sampling event. To ensure that project objectives were achieved, an authorized representative of DBS&A maintained direct supervisory control of all aspects of the project.

2. Groundwater Monitoring

DBS&A personnel conducted the fourth quarter groundwater monitoring event at the site on March 19 through 21, 2021. Activities conducted during the monitoring event included gauging fluid levels in all site wells and collecting groundwater samples from up to 18 site wells, provided they did not contain LNAPL. The initial work plan prioritized collecting samples using a Bennett pump, with a small component of HydraSleeve sampling. On February 23, 2021, the PSTB approved a change to the sampling plan to include the exclusive use of HydraSleeves for all sampling during this monitoring event. HydraSleeve sampling is discussed in section 2.3. LNAPL was recovered from any well containing LNAPL at a thickness of greater than $\frac{1}{8}$ inch (0.01 foot). The sampling protocol is provided in Appendix A. Field notes recorded during sampling activities are included in Appendix B.

2.1 Fluid Level Gauging

On March 19, 2021, DBS&A personnel used an electronic interface probe to gauge the depth to water (and LNAPL where present) in all existing monitor wells. Fluid level measurements from this and previous groundwater monitoring events are summarized in Table 1. Based on information determined from LNAPL sampling performed during the June 2019 groundwater monitoring event, gasoline was shown to be the predominant fuel present at the site. Therefore, the potentiometric surface elevation for any well containing LNAPL was corrected using a specific gravity of 0.75. Fluid level data were used to prepare a potentiometric surface elevation map (Figure 3).



2.2 LNAPL Recovery

LNAPL was present in monitor well BW-5 at a thickness of 0.15 foot. LNAPL was recovered by hand bailing for approximately 1 hour on March 20, 2021, using a new, dedicated, disposable polyethylene bailer. A total of 0.05 gallon of LNAPL was recovered, with a final LNAPL thickness of less than 0.01 foot. Initial LNAPL thickness was similar to the previous monitoring event, but has decreased from a thickness of 1.92 feet measured in March 2019 (Table 2).

LNAPL was also present for the first time in monitor well RW-2 at an initial thickness of 0.35 foot. LNAPL was recovered by hand bailing for approximately 1 hour on March 21, 2021, using a new, dedicated, disposable polyethylene bailer. A total of 0.07 gallon of LNAPL was recovered, with a final LNAPL thickness of approximately 0.01 foot. The cumulative volume of LNAPL recovered by DBS&A at this site since May 2019 is approximately 3.8 gallons (Table 2).

2.3 Groundwater Sampling

Following gauging, a total of 16 site wells were sampled from March 20 through 21, 2021. This included BW-4, BW-7, BW-7R, BW-8 through BW-10, MW-11 through MW-17, RW-1, RW-3, and RW-4.

The 16 site wells were sampled using HydraSleeve no-purge groundwater sampling systems. HydraSleeve remain closed due to water pressure until they are retrieved. The upward motion of retrieval opens the HydraSleeve's check valve, and the bag fills from the top. When the HydraSleeve sample bag is full, the check valve closes, allowing the sample to be collected from a discrete depth, reducing turbidity of the sample, and preventing water above (or below) the desired sample zone from entering the sample bag. The sample bag is pierced with a straw to transfer the sample to laboratory provided sample bottles.

DBS&A deployed the HydraSleeve sampler near the middle of the saturated screen interval for each well. All HydraSleeves for this monitoring event were left in the well at least overnight prior to sampling.



Groundwater samples collected from the wells were transferred directly from the HydraSleeve into laboratory-prepared sample containers containing the appropriate preservatives. The samples were labeled and preserved on ice in an insulated cooler for delivery to Hall Environmental Analysis Laboratory (HEAL) for analysis; samples were accompanied by full chain of custody documentation at all times. Groundwater samples were analyzed for volatile organic compounds (VOCs) using Environmental Protection Agency (EPA) method 8260B (full list) and for 1,2-dibromoethane (EDB) using EPA method 504.1. The complete laboratory analytical reports for collected groundwater samples are included in Appendix C.

2.4 Results

Results from March 2021 groundwater monitoring are discussed in the following sections.

2.4.1 Fluid Level Measurements

Fluid levels measured on March 19, 2021, are summarized in Table 1 and were used to prepare the potentiometric surface map provided as Figure 3. Groundwater is encountered under the site at depths that range from approximately 319 to 330 feet below ground surface and generally flows to the south-southeast with an approximate gradient of 0.003 foot per foot. The overall flow direction and gradient are similar to that noted during previous monitoring events. Since 2014, groundwater elevations have decreased approximately 3.5 feet, resulting in an average annual decrease of 0.5 foot per year.

2.4.2 Groundwater Analysis

Groundwater samples from the 16 monitor wells that did not contain a measurable LNAPL thickness were submitted to HEAL for analysis. The full laboratory analytical report is provided as Appendix C; results are summarized in Table 3 and on Figure 4. Benzene, 1,2-dichloroethane (EDC), and EDB isoconcentration maps were prepared to show the extent of dissolved-phase contamination associated with the site (Figures 5, 6, and 7, respectively). Graphs showing historical trends in monitor well contaminant concentrations are provided in Appendix D.

During the current monitoring event, COC concentrations were below laboratory reporting limits or applicable New Mexico Water Quality Control Commission (NMWQCC) standards in



groundwater samples collected from monitor wells BW-4, BW-9, BW-10, MW-14, MW-15, and MW-17. Samples from the remaining wells contained two or more COCs at concentrations exceeding NMWQCC standards. Monitor well BW-5 was initially reported by the previous consultant to contain LNAPL in February 2019; DBS&A confirmed the presence of LNAPL with an interface probe in March 2019. LNAPL was detected in well RW-2 for the first time during the current monitoring event. Notable changes or trends include (Appendix D):

- BW-4: Except for EDC in June 2020, COCs have been below applicable groundwater standards since the initial DBS&A sampling event in May 2019. Benzene was detected at concentrations as high as 1,100 micrograms per liter ($\mu\text{g/L}$) in May 2015; however, samples collected by DBS&A have consistently shown benzene to be below the NMWQCC standard of 5 $\mu\text{g/L}$. Due to a relatively high soil vapor extraction radius of influence at the site, contamination may have been drawn to BW-4 during vapor sampling activities conducted by the previous consultant. DBS&A will continue to monitor trends associated with this well closely.
- BW-7: Since September 2015, concentrations of BTEX constituents have decreased from 17,750 to 1,016.3 $\mu\text{g/L}$, including individual decreases in benzene (9,400 to 1,000 $\mu\text{g/L}$), toluene (5,000 to <2.0 $\mu\text{g/L}$), ethylbenzene (750 to <13 $\mu\text{g/L}$), and total xylenes (2,600 to 3.3 $\mu\text{g/L}$). During the current monitoring event, benzene (1,000 $\mu\text{g/L}$) and EDC (110 $\mu\text{g/L}$) were detected at concentrations exceeding the respective NMWQCC standards. Similar to BW-4, the spike in COC concentrations in 2015 and 2016 may be related to vapor sampling activities conducted by the previous consultant.
- BW-7R: COC concentrations have not varied significantly since the well was installed in 2019, but concentrations reported in recent samples collected using the HydraSleeve sampler were generally higher than previous samples collected using the Bennett pump. During the current monitoring event, benzene (920 $\mu\text{g/L}$) and EDC (120 $\mu\text{g/L}$) were detected at concentrations exceeding the respective NMWQCC standards. Recent COC concentrations are similar to well BW-7.
- BW-8: COC concentrations have not varied significantly since the well was installed in 2016, but were considerably higher in recent samples collected using HydraSleeve



samplers. During the current monitoring event, benzene (14,000 µg/L), toluene (23,000 µg/L), ethylbenzene (1,600 µg/L), total xylenes (6,600 µg/L), EDB (0.86 µg/L), EDC (94 µg/L), and total naphthalenes (300 µg/L) were detected at concentrations exceeding the respective NMWQCC standards.

- MW-11: COC concentrations have not changed significantly since the well was installed in September 2019. During the current monitoring event, benzene (3,800 µg/L), EDB (0.14 µg/L), EDC (200 µg/L), and total naphthalenes (42 µg/L) were detected at concentrations exceeding the respective NMWQCC standards.
- MW-12: COC concentrations have not changed significantly since the well was installed in September 2019, but concentrations reported using the HydraSleeve samplers have generally been lower than previous samples collected using the Bennett pump. During the current monitoring event, benzene (98 µg/L), EDB (0.11 µg/L), and EDC (44 µg/L) were detected at concentrations exceeding the respective NMWQCC standards.
- MW-13: COC concentrations indicate this well is on the western edge of the dissolved-phase plume. Benzene (64 µg/L), EDB (0.090 µg/L), and EDC (26 µg/L) were detected at concentrations above the respective NMWQCC standards.
- MW-14: COC concentrations have consistently been below laboratory reporting limits since June 2020.
- MW-16: COC concentrations reported using the recent HydraSleeve sampler were generally lower than samples collected using the Bennett pump. Benzene (10 µg/L), EDB (0.30 µg/L), and EDC (27 µg/L) were detected at concentrations exceeding the respective NMWQCC standards. All other detected COC concentrations were below the respective NMWQCC standards.
- MW-15 and MW-17: COC concentrations have not been detected at concentrations above laboratory reporting limits since the wells were installed in June 2020.



3. Conclusions and Recommendations

Based on data collected during recent groundwater monitoring events, concentrations of dissolved-phase COCs in excess of NMWQCC standards extend more than 1,000 feet downgradient from the presumed release. COC concentrations in recently installed monitor wells MW-15 and MW-17 were below laboratory reporting limits, and define the dissolved-phase plume east of MW-12 and MW-14. The dissolved-phase plume remains undefined cross-gradient to the east of monitor well MW-16, but that will not affect the overall remediation plan for the site.

LNAPL has been consistently present in monitor well BW-5 since at least February 2019, and was detected during this monitoring event for the first time in future remediation well RW-2. Based on the location of BW-5 relative to the release point, measurable LNAPL is believed to exist under North Prince Street and Commerce Way.

Based on these findings, DBS&A recommends that corrective action proceed as detailed in the DBS&A proposal for State Lead remediation services. The remediation system should prioritize removal of source area mass (LNAPL and hydrocarbons in the vadose zone) using multi-zone remediation wells located near the known extent of LNAPL. Single-zone wells can be used for dissolved-phase plume containment. Deep vadose zone contamination was found in the multi-zone remediation wells, but not in single-zone wells south of RW-4, so well locations appear to have been chosen appropriately for the distribution of contamination.

DBS&A recommends that quarterly groundwater monitoring continue at the site to establish trends in contaminant concentrations prior to and following implementation of a corrective action system. No additional monitor wells are needed at this time.

HydraSleeve sample results continue to be promising; at this site, using this sampling method will be more cost-effective than volume-purge methods. When combined with the previous Bennett pump results, HydraSleeve data help define the current extent of contamination, while also providing sufficient data for remediation system design. Differences in COC concentrations do not change the overall state of compliance regarding any of the site monitor wells. Sufficient history of pumped groundwater samples exists to assess potential concentrations of extracted



Daniel B. Stephens & Associates, Inc.

groundwater during corrective action. Therefore, DBS&A recommends using HydraSleeve samplers during future groundwater monitoring events to monitor plume stability and overall compliance. This is the last monitoring event under the approved work plan.



Statement of Familiarity

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature: 

Authorized Representative: Thomas Golden, P.E.

Affiliation: Daniel B. Stephens & Associates, Inc.

Title: Project Engineer

Date: May 5, 2021



References

Daniel B. Stephens & Associates, Inc. (DBS&A). 2019. *Work plan for site investigation, groundwater monitoring, and final remediation plan development, Former Y Station State Lead Site, 721 Commerce Way, Clovis, New Mexico*. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau. December 20, 2019.

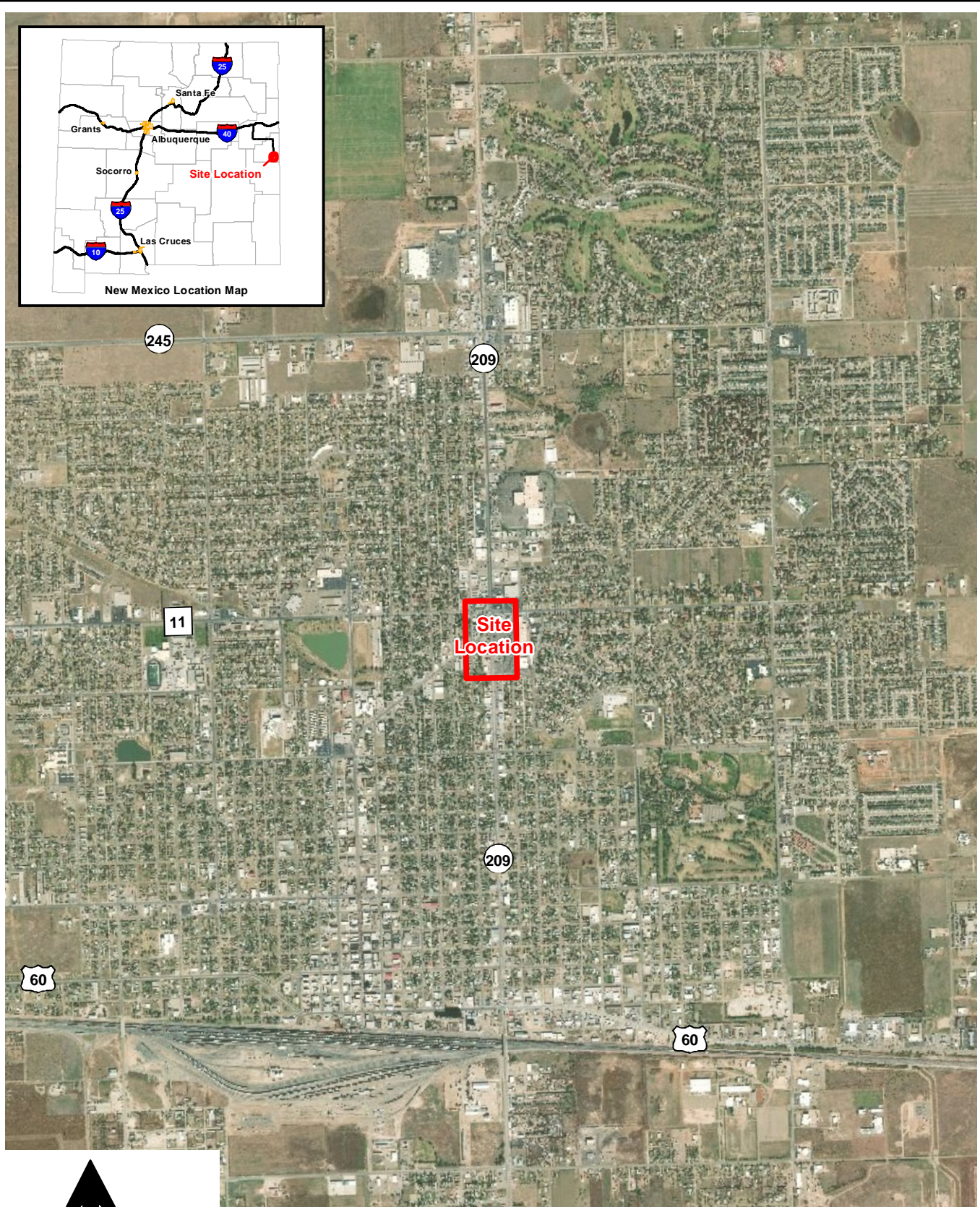
DBS&A. 2020. *Final well installation and first quarter groundwater monitoring report, Former Y Station State Lead Site, 721 Commerce Way, Clovis, New Mexico*. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau. July 22, 2020.

New Mexico Environment Department (NMED). 2020. Letter from Dana Bahar to Thomas Golden, Daniel B. Stephens & Associates, Inc., regarding Phase 1 fixed-price workplan approval for Former Y Station, 721 Commerce Way, Clovis, New Mexico. February 19, 2020.

Figures



New Mexico Location Map



0 0.25 0.5
Mile

FORMER Y STATION STATE LEAD SITE
CLOVIS, NEW MEXICO
Area Map

S:\PROJECTS\DB18.1157_FORMER_Y_STATION\GIS\WXDS\F01_AREA_MAP\MXD



Daniel B. Stephens & Associates, Inc.
6/3/2019 JN DB18.1157.00

Figure 1



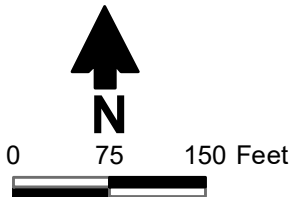
FORMER Y STATION STATE LEAD SITE
CLOVIS, NEW MEXICO
Site Map

Figure 2



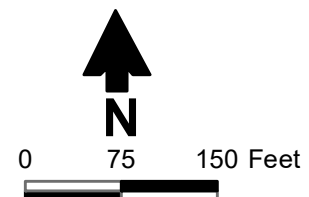


FORMER Y STATION STATE LEAD SITE
 CLOVIS, NEW MEXICO
Potentiometric Surface Elevations
 March 19, 2021



- Explanation**
- MW-14 Monitor well designation
 - 3945.91 Potentiometric surface elevation (ft msl)
 - ⊕ Single completion monitor well
 - ⊙ Nested monitor well
 - Potentiometric surface elevation contour (ft msl)

Figure 3



Explanation

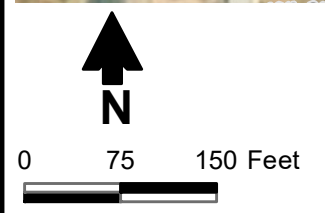
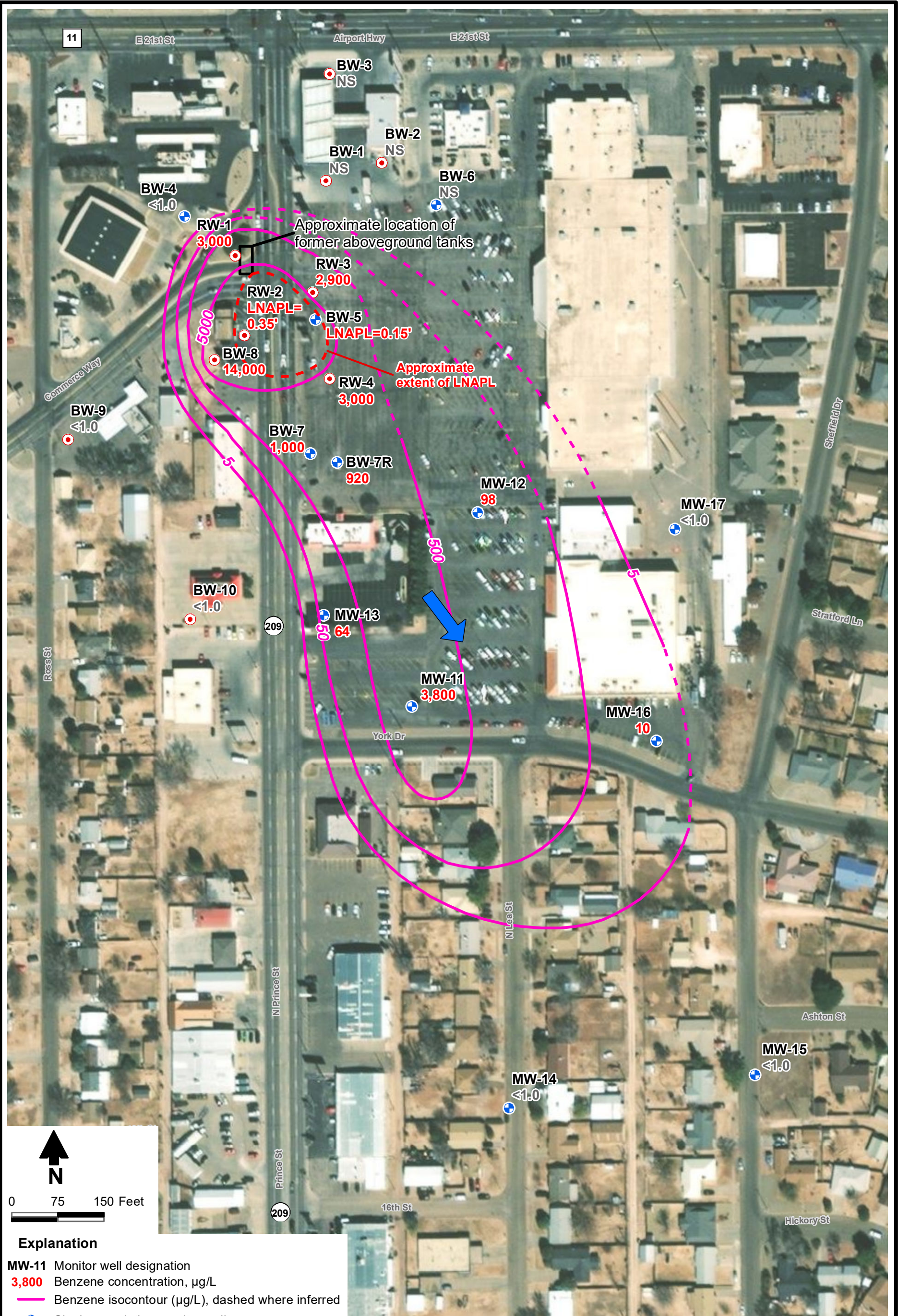
- Single completion monitor well
- Nested monitor well

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

Notes: 1. All concentrations reported in micrograms per liter (µg/L).
 2. **RED** indicates concentration that exceeds NMWQCC standard.
 3. ^a Laboratory reporting limit is equal to or greater than the applicable standard.
 4. Samples presented on this figure were collected using HydraSleeve sampling devices.

FORMER Y STATION STATE LEAD SITE
 CLOVIS, NEW MEXICO
**Distribution of Dissolved-Phase
 Contaminants - March 2021**

Figure 4



Explanation

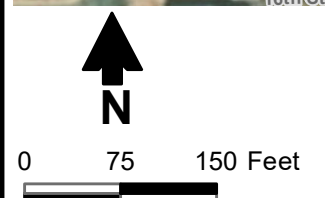
- MW-11 Monitor well designation
- 3,800 Benzene concentration, µg/L
- Benzene isoconcentration (µg/L), dashed where inferred
- ⊕ Single completion monitor well
- ⊙ Nested monitor well

Notes: 1. All concentrations reported in micrograms per liter (µg/L).
 2. RED indicates concentration that exceeds NMWQCC standard.
 3. Samples collected on this figure were collected using HydraSleeve sampling devices.

FORMER Y STATION STATE LEAD SITE
 CLOVIS, NEW MEXICO
Benzene Isoconcentration Map
March 2021

Figure 5





Explanation

- MW-11 Monitor well designation
- 200** EDC concentration, µg/L
- EDC isoconcentration (µg/L), dashed where inferred
- ⊕ Single completion monitor well
- ⊙ Nested monitor well

Notes: 1. All concentrations reported in micrograms per liter (µg/L).
 2. **RED** indicates concentration that exceeds NMWQCC standard.
 3. Samples collected on this figure were collected using HydraSleeve sampling devices.

FORMER Y STATION STATE LEAD SITE
 CLOVIS, NEW MEXICO
EDC Isoconcentration Map
March 2021

Figure 6





Explanation

MW-11 Monitor well designation
0.14 EDB concentration, $\mu\text{g/L}$
 — EDB isocontour ($\mu\text{g/L}$), dashed where inferred
 + Single completion monitor well
 • Nested monitor well

Notes: 1. All concentrations reported in micrograms per liter ($\mu\text{g/L}$).
 2. **RED** indicates concentration that exceeds NMWQCC standard.
 3. Samples collected on this figure were collected using HydraSleeve sampling devices.

FORMER Y STATION STATE LEAD SITE
 CLOVIS, NEW MEXICO
EDB Isoconcentration Map
 March 2021

Figure 7



Tables



**Table 1. Summary of Fluid Level Measurements
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Screened Interval (ft bgs)	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
BW-1	295–345	4279.88 ^c	04/13/12	322.49	—	0.00	3957.39
			07/27/12	322.69	—	0.00	3957.19
			09/24/12	322.75	—	0.00	3957.13
		4279.55	04/29/14	325.75	—	0.00	3953.80
			05/08/15	326.60	—	0.00	3952.95
			09/10/15	326.96	—	0.00	3952.59
			03/29/16	327.12	—	0.00	3952.43
			07/26/16	327.34	—	0.00	3952.21
			07/10/18 ^d	327.93	—	0.00	3951.62
			02/14/19 ^d	328.18	—	0.00	3951.37
			03/06/19	328.11	—	0.00	3951.44
			05/02/19 ^d	328.41	—	0.00	3951.14
			05/20/19	328.20	—	0.00	3951.35
			08/13/19	328.61	—	0.00	3950.94
			09/16/19	328.85	—	0.00	3950.70
			06/08/20	328.91	—	0.00	3950.64
			09/09/20	329.24	—	0.00	3950.31
12/27/20	329.27	—	0.00	3950.28			
03/19/21	329.44	—	0.00	3950.11			
BW-2	287–347	4280.53 ^c	10/26/09	323.12	—	0.00	3957.41
			09/24/12	323.21	—	0.00	3957.32
		4280.23	04/29/14	326.14	—	0.00	3954.09
			05/08/15	327.00	—	0.00	3953.23
			09/10/15	327.33	—	0.00	3952.90
03/29/16	327.52	—	0.00	3952.71			



**Table 1. Summary of Fluid Level Measurements
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Screened Interval (ft bgs)	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
BW-2 (cont.)	287-347 (cont.)	4280.23 (cont.)	07/26/16	327.78	—	0.00	3952.45
			07/10/18 ^d	328.38	—	0.00	3951.85
			02/14/19 ^d	328.60	—	0.00	3951.63
			03/06/19	328.53	—	0.00	3951.70
			05/02/19 ^d	328.97	—	0.00	3951.26
			05/20/19	328.61	—	0.00	3951.62
			08/13/19	329.03	—	0.00	3951.20
			09/17/19	328.98	—	0.00	3951.25
			06/08/20	329.34	—	0.00	3950.89
			09/09/20	329.62	—	0.00	3950.61
			12/27/20	329.75	—	0.00	3950.48
			03/19/21	329.90	—	0.00	3950.33
BW-3	287-347	4280.17 ^c	10/26/09	322.36	—	0.00	3957.81
			09/24/12	322.44	—	0.00	3957.73
		4279.91	04/29/14	325.38	—	0.00	3954.53
			05/08/15	326.20	—	0.00	3953.71
			09/10/15	326.56	—	0.00	3953.35
			03/29/16	326.71	—	0.00	3953.20
			07/26/16	326.94	—	0.00	3952.97
			07/10/18 ^d	327.52	—	0.00	3952.39
			02/14/19 ^d	327.76	—	0.00	3952.15
			03/06/19	327.75	—	0.00	3952.16
			05/02/19 ^d	328.00	—	0.00	3951.91
			05/20/19	327.79	—	0.00	3952.12
	08/13/19	328.19	—	0.00	3951.72		



**Table 1. Summary of Fluid Level Measurements
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Screened Interval (ft bgs)	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
BW-3 (cont.)	287–347 (cont.)	4279.91 (cont.)	09/16/19	328.11	—	0.00	3951.80
			06/08/20	328.49	—	0.00	3951.42
			09/09/20	328.79	—	0.00	3951.12
			12/27/20	328.87	—	0.00	3951.04
			03/19/21	329.00	—	0.00	3950.91
BW-4	275–345	4280.02	04/29/14	326.04	—	0.00	3953.98
			05/08/15	326.80	—	0.00	3953.22
			09/10/15	327.23	—	0.00	3952.79
			03/29/16	327.27	—	0.00	3952.75
			07/26/16	327.52	—	0.00	3952.50
			07/10/18 ^d	327.95	—	0.00	3952.07
			02/14/19 ^d	328.29	—	0.00	3951.73
			03/06/19	328.20	—	0.00	3951.82
			05/02/19 ^d	328.59	—	0.00	3951.43
			05/20/19	328.36	—	0.00	3951.66
			08/13/19	328.74	—	0.00	3951.28
			09/17/19	328.59	—	0.00	3951.43
			06/08/20	329.04	—	0.00	3950.98
			09/09/20	329.33	—	0.00	3950.69
			12/27/20	329.42	—	0.00	3950.60
03/19/21	329.50	—	0.00	3950.52			
BW-5	273.5–348.5	4278.99	04/29/14	325.53	—	0.00	3953.46
			05/08/15	326.27	—	0.00	3952.72
			09/10/15	326.73	—	0.00	3952.26
			03/29/16	326.87	—	0.00	3952.12



**Table 1. Summary of Fluid Level Measurements
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Screened Interval (ft bgs)	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
BW-5 (cont.)	273.5–348.5 (cont.)	4278.99 (cont.)	07/26/16	326.98	—	0.00	3952.01
			07/10/18 ^d	327.53	—	0.00	3951.46
			02/14/19 ^d	329.46	NA	NA	NA
			03/06/19	329.28	327.36	1.92	3951.15
			05/02/19 ^d	329.70	NA	NA	NA
			05/20/19	329.35	327.58	1.77	3950.97
			08/13/19	328.89	328.20	0.69	3950.62
			09/20/19	328.94	328.18	0.76	3950.62
			06/08/20	329.65	329.07	0.58	3949.78
			09/09/20	329.34	328.92	0.42	3949.97
			12/27/20	329.20	329.06	0.14	3949.90
			03/20/21	329.34	329.19	0.15	3949.76
BW-6	275–345	4280.24	04/29/14	326.46	—	0.00	3953.78
			05/08/15	327.27	—	0.00	3952.97
			09/10/15	327.60	—	0.00	3952.64
			03/29/16	327.70	—	0.00	3952.54
			07/26/16	328.08	—	0.00	3952.16
			07/10/18 ^d	328.72	—	0.00	3951.52
			02/14/19 ^d	328.91	—	0.00	3951.33
			03/06/19	328.82	—	0.00	3951.42
			05/02/19 ^d	329.23	—	0.00	3951.01
			05/20/19	328.91	—	0.00	3951.33
			08/13/19	329.35	—	0.00	3950.89
			09/16/19	329.18	—	0.00	3951.06
06/08/20	329.70	—	0.00	3950.54			



**Table 1. Summary of Fluid Level Measurements
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Screened Interval (ft bgs)	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
BW-6 (cont.)	275–345 (cont.)	4280.24 (cont.)	09/09/20	330.00	—	0.00	3950.24
			12/27/20	330.07	—	0.00	3950.17
			03/19/21	330.24	—	0.00	3950.00
BW-7	284–349	4277.47	04/29/14	324.63	—	0.00	3952.84
			05/08/15	325.42	—	0.00	3952.05
			09/10/15	325.84	—	0.00	3951.63
			03/29/16	326.01	—	0.00	3951.46
			07/26/16	326.14	—	0.00	3951.33
			03/06/19	326.88	—	0.00	3950.59
			05/20/19	327.11	—	0.00	3950.36
			08/13/19	327.47	—	0.00	3950.00
			09/18/19	327.39	—	0.00	3950.08
			06/08/20	327.83	—	0.00	3949.64
			09/09/20	328.13	—	0.00	3949.34
			12/27/20	328.22	—	0.00	3949.25
			03/19/21	328.38	—	0.00	3949.09
BW-7R	286.79-357.07	4277.44	08/13/19	327.33	—	0.00	3950.11
			09/21/19	327.80	—	0.00	3949.64
			06/08/20	327.83	—	0.00	3949.61
			09/09/20	328.08	—	0.00	3949.36
			12/27/20	328.19	—	0.00	3949.25
			03/19/21	328.39	—	0.00	3949.05
BW-8	287–347	4278.74	03/29/16	326.61	—	0.00	3952.13
			07/26/16	326.75	—	0.00	3951.99
			07/10/18 ^d	327.33	—	0.00	3951.41



**Table 1. Summary of Fluid Level Measurements
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Screened Interval (ft bgs)	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
BW-8 (cont.)	287-347 (cont.)	4278.74 (cont.)	02/14/19 ^d	327.73	—	0.00	3951.01
			03/06/19	327.55	—	0.00	3951.19
			05/20/19	327.72	—	0.00	3951.02
			08/13/19	328.10	—	0.00	3950.64
			09/18/19	327.99	—	0.00	3950.75
			06/08/20	328.34	—	0.00	3950.40
			09/09/20	328.73	—	0.00	3950.01
			12/27/20	328.89	—	0.00	3949.85
			03/20/21	328.93	—	0.00	3949.81
BW-9	287-347	4278.31	03/29/16	326.30	—	0.00	3952.01
			07/26/16	326.60	—	0.00	3951.71
			03/06/19	327.33	—	0.00	3950.98
			05/02/19 ^d	327.67	—	0.00	3950.64
			05/20/19	327.44	—	0.00	3950.87
			08/13/19	327.81	—	0.00	3950.50
			09/17/19	327.74	—	0.00	3950.57
			06/08/20	328.11	—	0.00	3950.20
			09/09/20	328.45	—	0.00	3949.86
			12/27/20	328.52	—	0.00	3949.79
			03/19/21	328.62	—	0.00	3949.69
BW-10	306-346	4275.11	03/29/16	323.92	—	0.00	3951.19
			07/26/16	324.21	—	0.00	3950.90
			03/06/19	324.96	—	0.00	3950.15
			05/20/19	324.99	—	0.00	3950.12
			08/13/19	325.44	—	0.00	3949.67



**Table 1. Summary of Fluid Level Measurements
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Screened Interval (ft bgs)	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
BW-10 (cont.)	306–346 (cont.)	4275.11 (cont.)	09/17/19	325.30	—	0.00	3949.81
			06/08/20	325.77	—	0.00	3949.34
			09/09/20	326.15	—	0.00	3948.96
			12/27/20	326.23	—	0.00	3948.88
			03/19/21	326.35	—	0.00	3948.76
MW-11	285.5–355.5	4274.64	08/13/19	325.81	—	0.00	3948.83
			09/18/19	325.85	—	0.00	3948.79
			06/08/20	326.24	—	0.00	3948.40
			09/09/20	326.68	—	0.00	3947.96
			12/27/20	326.70	—	0.00	3947.94
			03/19/21	326.88	—	0.00	3947.76
MW-12	287–357	4277.60	08/13/19	328.16	—	0.00	3949.44
			09/20/19	328.14	—	0.00	3949.46
			06/08/20	328.60	—	0.00	3949.00
			09/09/20	328.93	—	0.00	3948.67
			12/27/20	329.05	—	0.00	3948.55
			03/20/21	329.22	—	0.00	3948.38
MW-13	287–357	4275.82	08/13/19	326.33	—	0.00	3949.49
			09/21/19	326.44	—	0.00	3949.38
			06/08/20	326.77	—	0.00	3949.05
			09/09/20	327.08	—	0.00	3948.74
			12/27/20	327.21	—	0.00	3948.61
			03/19/21	327.38	—	0.00	3948.44
MW-14	280.5–350.73	4265.25	09/19/19	318.03	—	0.00	3947.22
			06/08/20	318.52	—	0.00	3946.73



**Table 1. Summary of Fluid Level Measurements
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Screened Interval (ft bgs)	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
MW-14 (cont.)	280.5–350.73 (cont.)	4265.25 (cont.)	09/09/20	319.02	—	0.00	3946.23
			12/27/20	319.21	—	0.00	3946.04
			03/19/21	319.34	—	0.00	3945.91
MW-15	282–352.3	4268.58	06/08/20	322.86	—	0.00	3945.72
			09/09/20	323.38	—	0.00	3945.20
			12/27/20	323.63	—	0.00	3944.95
			03/19/21	323.76	—	0.00	3944.82
MW-16	288.61–358.88	4276.23	06/08/20	328.75	—	0.00	3947.48
			09/09/20	329.14	—	0.00	3947.09
			12/27/20	329.27	—	0.00	3946.96
			03/19/21	329.44	—	0.00	3946.79
MW-17	289–359	4277.42	06/08/20	329.19	—	0.00	3948.23
			09/09/20	329.58	—	0.00	3947.84
			12/27/20	329.78	—	0.00	3947.64
			03/19/21	329.89	—	0.00	3947.53
RW-1	265–355	4280.00	08/13/19	328.89	—	0.00	3951.11
			09/19/19	328.84	—	0.00	3951.16
			06/08/20	329.22	—	0.00	3950.78
			09/09/20	329.47	—	0.00	3950.53
			12/27/20	329.63	—	0.00	3950.37
			03/20/21	329.74	—	0.00	3950.26
RW-2	290–360	4279.70	08/13/19	329.00	—	0.00	3950.70
			09/18/19	328.97	—	0.00	3950.73
			06/08/20	329.28	—	0.00	3950.42
			09/09/20	329.58	—	0.00	3950.12



**Table 1. Summary of Fluid Level Measurements
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Screened Interval (ft bgs)	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Groundwater Elevation ^b (ft msl)
RW-2 (cont.)	290–360 (cont.)	4279.70 (cont.)	12/27/20	329.77	—	0.00	3949.93
			03/19/21	330.07	329.72	0.35	3949.89
RW-3	289.27–364.52	4278.78	09/20/19	327.95	—	0.00	3950.83
			06/08/20	328.25	—	0.00	3950.53
			09/09/20	328.56	—	0.00	3950.22
			12/27/20	328.68	—	0.00	3950.10
			03/20/21	328.83	—	0.00	3949.95
RW-4	291.15–361.51	4278.84	09/19/19	328.48	—	0.00	3950.36
			06/08/20	328.85	—	0.00	3949.99
			09/09/20	329.18	—	0.00	3949.66
			12/27/20	329.27	—	0.00	3949.57
			03/19/21	329.38	—	0.00	3949.46

Note: Pre-2017 data reported by Brown Environmental, Inc. (BEI, 2016).

^a Surveyed by Lydick Engineers & Surveyors, October 2019 or June 2020. For consistency, historical groundwater elevations reference current survey data.

^b Groundwater elevation (GWE) corrected for LNAPL thickness using the following equation:
GWE = TOC Elevation - (DTW - [LNAPL thickness x 0.75]).

^c Well survey data reported by BEI following well installation.

^d Data reported by Brown Environmental, Inc. (BEI, 2019).

ft bgs = Feet below ground surface

ft msl = Feet above mean sea level

ft btoc = Feet below top of casing

DTW = Depth to water

LNAPL = Light nonaqueous-phase liquid

NA = Not measured or not available



**Table 2. Summary of LNAPL Recovery From Site Wells
Former Y Station State Lead Site, Clovis, New Mexico**

Date Bailed	Depth to Water ^a (ft btoc)	Depth to LNAPL (ft btoc)	Initial LNAPL Thickness (feet)	Depth to Water ^b (ft btoc)	Total Volume of Fluids Removed (gallons)	Volume of LNAPL Removed (gallons)	Cumulative Volume of LNAPL Removed (gallons)	Final Thickness of LNAPL (feet)
Cumulative volume of LNAPL recovered by DBS&A is approximately 3.8 gallons, as tabulated below.								
BW-5								
05/23/19	329.35	327.58	1.77	328.02	7.16	1.95	1.95	0.26
09/20/19	328.94	328.18	0.76	328.37	5.35	0.95	2.90	0.01
06/08/20	329.65	329.07	0.58	329.22	4.27	0.46	3.36	0.00
09/16/20	329.34	328.92	0.42	329.03	4.05	0.26	3.62	0.00
12/29/20	329.20	329.06	0.14	329.10	4.11	0.07	3.69	0.01
03/20/21	329.34	329.19	0.15	329.23	1.20	0.05	3.74	0.00
RW-2								
03/21/21	330.07	329.72	0.35	329.81	1.11	0.07	0.07	0.01

^a Depth to water (DTW) before correction for LNAPL thickness.

^b DTW corrected for LNAPL thickness using the following equation: $DTW = DTW - (LNAPL\ thickness \times 0.75)$.

LNAPL = Nonaqueous-phase liquid

ft btoc = Feet below top of casing



**Table 3. Summary of Analytical Organic Chemistry Data for Groundwater
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Date Sampled	Concentration ^a (µg/L)								
		Benzene	Toluene	Ethyl- benzene	Total Xylenes	BTEX	MTBE	EDB	EDC	Total Naphthalenes
<i>NMWQCC Standard</i>		5	1,000	700	620	None	100	0.05	5	30
BW-1	04/13/12	240	61	4.5	20	325.5	1.6	<1.0 ^b	3.5	<10
	09/25/12	290	29	4.9	34	357.9	<1.0	<1.0 ^b	5.2	<10
	09/25/12 ^c	200	46	7.8	45	298.8	<1.0	<1.0 ^b	6.2	<10
	04/30/14	50	6.0	<1.0	1.6	57.6	<1.0	<1.0 ^b	1.4	<10
	05/07/15	130	5.5	<1.0	5.6	141.1	1.1	<1.0 ^b	2.6	<10
	09/11/15	13	55	<1.0	<1.5	68	<1.0	<1.0 ^b	<1.0	<10
	03/30/16	40	130	<1.0	<1.5	170	<1.0	<1.0 ^b	1.3	<10
	07/27/16	18	15	<1.0	<1.5	33	1.2	<1.0 ^b	1.9	<10
	07/10/18	<1.0	2.9	<1.0	<1.5	2.9	<1.0	<1.0 ^b	<1.0	<10
	07/10/18 ^c	<1.0	2.9	<1.0	<1.5	2.9	<1.0	<1.0 ^b	<1.0	<10
	02/15/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	02/15/19 ^c	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	05/03/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 ^b	<1.0	<10
	05/03/19 ^c	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 ^b	<1.0	<10
	05/22/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
09/16/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10	
06/09/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10	
BW-2	09/25/12	21	15	<1.0	6.2	42.2	<1.0	<1.0 ^b	1.0	<10
	04/29/14	<1.0	5.6	<1.0	<1.5	5.6	<1.0	<1.0 ^b	<1.0	<10
	05/07/15	<1.0	18	<1.0	<1.5	18	<1.0	<1.0 ^b	<1.0	<10
	09/10/15	7.2	21	<1.0	<1.5	28.2	<1.0	<1.0 ^b	<1.0	<10
	03/29/16	<1.0	97	<1.0	<1.5	97	<1.0	<1.0 ^b	<1.0	<10
	07/26/16	<1.0	2.5	<1.0	<1.5	2.5	<1.0	<1.0 ^b	<1.0	<10
	07/10/18	<1.0	1.7	<1.0	<1.5	1.7	<1.0	<1.0 ^b	<1.0	<10
	02/14/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0095 ^d	<1.0	<10



**Table 3. Summary of Analytical Organic Chemistry Data for Groundwater
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Date Sampled	Concentration ^a (µg/L)								
		Benzene	Toluene	Ethyl- benzene	Total Xylenes	BTEX	MTBE	EDB	EDC	Total Naphthalenes
<i>NMWQCC Standard</i>		5	1,000	700	620	None	100	0.05	5	30
BW-2 (cont.)	05/02/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 ^b	<1.0	<10
	05/21/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0095 ^d	<1.0	<10
	09/17/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0092 ^d	<1.0	<10
	06/09/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
BW-3	09/25/12	1.4	56	<1.0	6.1	63.5	<1.0	<1.0 ^b	<1.0	<10
	04/29/14	<1.0	14	<1.0	<1.5	14	<1.0	<1.0 ^b	<1.0	<10
	05/07/15	2.6	5.0	<1.0	3.5	11.1	<1.0	<1.0 ^b	<1.0	<10
	09/10/15	<1.0	46	<1.0	<1.5	46	<1.0	<1.0 ^b	<1.0	<10
	03/29/16	<1.0	180	<1.0	2.2	182.2	<1.0	<1.0 ^b	<1.0	<10
	07/26/16	<1.0	4.0	<1.0	<1.5	4.0	<1.0	<1.0 ^b	<1.0	<10
	07/10/18	<1.0	4.3	<1.0	<1.5	4.3	<1.0	<1.0 ^b	<1.0	<10
	02/15/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	05/03/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 ^b	<1.0	<10
	05/21/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	09/16/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10
	06/09/20	<1.0	1.2	<1.0	<1.5	1.2	<1.0	<0.0094 ^d	<1.0	<10
BW-4	04/30/14	<1.0	11	<1.0	<1.5	11	<1.0	<1.0 ^b	1.8	<10
	05/07/15	1,100	1,100	61	600	2,861	<1.0	<1.0 ^b	32	<10
	09/10/15	1.9	43	<1.0	<1.5	44.9	<1.0	<1.0 ^b	<1.0	<10
	03/30/16	200	200	5.1	33	438.1	<1.0	<1.0 ^b	6.9	<10
	07/27/16	140	85	1.2	15	241.2	<1.0	<1.0 ^b	6.9	<10
	05/22/19	1.8	<1.0	<1.0	<1.5	1.8	<1.0	<0.0094 ^d	2.1	<10
	09/17/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0092 ^d	<1.0	<10
	06/10/20	2.2	<1.0	<1.0	<1.5	2.2	<1.0	<0.0093 ^d	5.0	<10
09/11/20	1.6	<1.0	<1.0	<1.5	1.6	<1.0	<0.0094 ^d	3.3	<10	



**Table 3. Summary of Analytical Organic Chemistry Data for Groundwater
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Date Sampled	Concentration ^a (µg/L)								
		Benzene	Toluene	Ethyl- benzene	Total Xylenes	BTEX	MTBE	EDB	EDC	Total Naphthalenes
<i>NMWQCC Standard</i>		5	1,000	700	620	None	100	0.05	5	30
BW-4 (cont.)	12/28/20 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0095 ^d	1.1	<10
	03/20/21 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0095 ^d	1.6	<10
BW-5	04/29/14	2,100	1,800	200	990	5,090	<1.0	29	100	59.9
	05/08/15	3,700	2,800	300	1,700	8,500	<5.0	51	180	83
	09/11/15	2,000	1,400	220	900	4,520	<5.0	18	100	80
	09/11/15 ^c	1,900	1,300	230	960	4,390	<5.0	20	100	64
	03/30/16	5,000	4,200	500	2,000	11,700	<5.0	54	230	<500 ^b
	07/28/16	2,000	2,400	270	1,300	5,970	<10	29	110	141
	05/20/19 through 03/20/21	Well not sampled due to presence of LNAPL								
BW-6	04/29/14	<1.0	10	<1.0	<1.5	10	<1.0	<1.0 ^b	<1.0	<10
	05/07/15	<1.0	8.4	<1.0	<1.5	8.4	<1.0	<1.0 ^b	<1.0	<10
	09/10/15	<1.0	36	<1.0	<1.5	36	<1.0	<1.0 ^b	<1.0	<10
	03/29/16	<1.0	130	<1.0	<1.5	130	<1.0	<1.0 ^b	<1.0	<10
	07/26/16	<1.0	3.8	<1.0	<1.5	3.8	<1.0	<1.0 ^b	<1.0	<10
	07/11/18	<1.0	10	<1.0	<1.5	10	<1.0	<1.0 ^b	<1.0	<10
	02/15/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0095 ^d	<1.0	<10
	05/02/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 ^b	<1.0	<10
	05/21/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	09/16/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
06/09/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0095 ^d	<1.0	<10	
BW-7	04/30/14	990	3.4	67	260	1,320	<1.0	2.6	75	21.1
	04/30/14 ^c	1,100	4.4	74	300	1,478	<1.0	2.9	75	20.1
	05/08/15	3,200	1,200	210	920	5,530	<1.0	9.6	230	45.5



**Table 3. Summary of Analytical Organic Chemistry Data for Groundwater
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Date Sampled	Concentration ^a (µg/L)								
		Benzene	Toluene	Ethyl- benzene	Total Xylenes	BTEX	MTBE	EDB	EDC	Total Naphthalenes
<i>NMWQCC Standard</i>		5	1,000	700	620	None	100	0.05	5	30
BW-7 (cont.)	09/11/15	9,400	5,000	750	2,600	17,750	<1.0	36	590	204
	03/31/16	8,800	2,900	650	2,100	14,450	<1.0	<50 ^b	580	120
	07/28/16	8,000	1,100	630	1,200	10,930	<50	<50 ^b	500	120
	05/22/19	1,400	140	100	230	1,870	<5.0	0.24	180	22
	09/18/19	590	5.3	56	88	739.3	<2.0	0.31 ^d	120	15
	06/12/20	240	<2.0	<2.0	<3.0	240	<2.0	0.86 ^d	65	<20
	09/14/20	48	<1.0	1.4	<1.5	49.4	<1.0	0.86 ^d	78	<10
	12/28/20 ^e	790	<2.0	<2.0	3.1	793.1	<2.0	0.015 ^d	370	<20
03/20/21 ^e	1,000	<2.0	13	3.3	1,016.3	<2.0	0.0094 ^d	110	<20	
BW-7R	09/21/19	51	9.4	1.5	9.2	71.1	<1.0	0.096 ^d	22	<10
	06/11/20	160	2.5	7.1	13	182.6	<1.0	0.36 ^d	50	4.1
	09/12/20	130	<2.0	4.3	5.6	139.9	<2.0	0.17 ^d	60	<20
	12/28/20	130	1.5	3.2	2.1	136.8	<1.0	0.29 ^d	71	2.9
	12/28/20 ^e	610	3.6	11	2.5	627.1	<1.0	0.044 ^d	88	6.7
	03/20/21 ^e	920	2.2	43	20	985.2	<2.0	0.012 ^d	120	11
BW-8	03/31/16	3,900	5,400	440	2,400	12,140	<1.0	95	210	<500 ^b
	03/31/16 ^c	4,300	5,900	500	2,700	13,400	<1.0	110	230	100
	07/28/16	3,600	4,800	380	2,500	11,280	<50	100	180	120
	07/28/16 ^c	3,400	4,700	380	2,500	10,980	<50	100	180	120
	05/30/19	4,600	4,200	390	1,200	10,390	<5.0	9.1 ^d	290	67
	09/18/19	5,000	4,300	420	1,400	11,120	<10	14 ^d	270	94
	06/13/20	7,000	7,900	700	2,500	18,100	<20	0.72 ^d	190	180
	09/15/20	4,800	7,500	590	2,600	15,490	<50	0.092 ^d	95	130
	12/29/20	4,100	5,600	450	1,800	11,950	<5.0	0.11 ^d	90	146
12/29/20 ^e	15,000	24,000	1,400	7,400	47,800	<20	0.20 ^d	77	413	



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Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Date Sampled	Concentration ^a (µg/L)								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	BTEX	MTBE	EDB	EDC	Total Naphthalenes
<i>NMWQCC Standard</i>		5	1,000	700	620	None	100	0.05	5	30
BW-8 (cont.)	03/21/21 ^e	14,000	23,000	1,600	6,600	45,200	<50	0.86^d	94	300
BW-8 (Deep HS)	06/13/20	7,000	8,400	570	2,400	18,370	<10	0.26^d	<10 ^b	120
	09/15/20	14,000	28,000	1,600	10,000	53,600	<50	0.70^d	<50 ^b	370
BW-8 (Shallow HS)	06/13/20	6,300	8,500	670	2,600	18,070	<20	0.25^d	<20 ^b	130
	09/15/20	12,000	24,000	1,500	9,600	47,100	<50	0.88^d	63	370
	12/29/20	17,000	31,000	2,000	11,000	61,000	<20	0.19^d	76	570
BW-9	03/30/16	<1.0	190	<1.0	<1.5	190	<1.0	<1.0 ^b	<1.0	<10
	07/27/16	<1.0	6.1	<1.0	<1.5	6.1	<1.0	<1.0 ^b	<1.0	<10
	05/21/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10
	09/17/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10
	06/09/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10
	09/11/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	12/27/20 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	03/20/21 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
BW-10	03/29/16	<1.0	280	<1.0	<1.5	280	<1.0	<1.0 ^b	<1.0	<10
	07/27/16	<1.0	33	<1.0	<1.5	33	<1.0	<1.0 ^b	<1.0	<10
	05/21/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10
	09/17/19	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	06/10/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10
	09/11/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	12/27/20 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	03/20/21 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
MW-11	09/18/19	3,300	5.0	280	1,100	4,685	<5.0	5.0^d	130	40
	06/13/20	3,400	8.9	300	620	4,328.9	<10	2.9^d	150	39
	09/15/20	3,300	14	300	520	4,134	<20	1.2^d	130	40



**Table 3. Summary of Analytical Organic Chemistry Data for Groundwater
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Date Sampled	Concentration ^a (µg/L)								
		Benzene	Toluene	Ethyl- benzene	Total Xylenes	BTEX	MTBE	EDB	EDC	Total Naphthalenes
<i>NMWQCC Standard</i>		5	1,000	700	620	None	100	0.05	5	30
MW-11 (cont.)	12/29/20	3,400	5.1	280	450	4,135.1	<1.0	0.93^d	120	84
	12/29/20 ^e	4,400	2.8	310	46	4,758.8	<1.0	0.30^d	180	87
	03/20/21 ^e	3,800	<20	250	38	4,088	<20	0.14^d	200	42
MW-11 (Deep HS)	06/13/20	4,200	<10	370	150	4,720	<10	2.1^d	190	50
	09/15/20	3,100	<20	170	83	3,353	<20	0.71^d	150	36
MW-11 (Shallow HS)	06/13/20	3,900	<10	250	86	4,236	<10	1.4^d	190	28
	09/15/20	3,300	<20	230	100	3,630	<20	0.74^d	140	34
	12/29/20	3,300	2.9	150	24	3,476.9	<1.0	0.11^d	160	45.1
MW-12	09/20/19	1,400	27	9.4	200	1,636.4	<1.0	0.78^d	72	6.0
	06/12/20	1,400	<10	10	130	1,540	<10	0.50^d	85	<100 ^b
	09/15/20	930	<5.0	<5.0	78	1,008	<5.0	0.38^d	68	<50 ^b
	12/28/20 ^e	460	<2.0	<2.0	11	471	<2.0	0.21^d	68	<20
	03/21/21 ^e	98	<5.0	<5.0	<7.5	98	<5.0	0.11^d	44	<50 ^b
MW-13	09/21/19	97	6.4	9.2	29	141.6	<1.0	0.037 ^d	5.1	<10
	06/12/20	79	<2.0	4.4	13	96.4	<2.0	0.035 ^d	6.6	<20
	09/12/20	94	<1.0	7.5	23	124.5	<1.0	0.039 ^d	11	<10
	12/28/20 ^e	22	<1.0	2.6	2.5	27.1	<1.0	0.079^d	26	<10
	03/20/21 ^e	64	<1.0	2.8	1.8	68.6	<1.0	0.090^d	26	2.0
MW-14	09/19/19	4.0	15	2.8	15	36.8	<1.0	0.050^d	<1.0	<10
	06/10/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	09/09/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0096 ^d	<1.0	<10
	12/27/20 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	03/20/21 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10
MW-14 (Deep HS)	06/10/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	09/09/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10



**Table 3. Summary of Analytical Organic Chemistry Data for Groundwater
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Date Sampled	Concentration ^a (µg/L)								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	BTEX	MTBE	EDB	EDC	Total Naphthalenes
<i>NMWQCC Standard</i>		5	1,000	700	620	None	100	0.05	5	30
MW-14 (Shallow HS)	06/10/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10
	09/09/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
MW-15	06/11/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	09/10/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0095 ^d	<1.0	<10
	12/27/20 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0096 ^d	<1.0	<10
	03/20/21 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0093 ^d	<1.0	<10
MW-16	06/11/20	520	8.7	42	140	710.7	<1.0	0.82^d	35	3.2
	09/11/20	920	11	34	300	1,265	<2.0	0.66^d	55	7.5
	12/28/20	1,500	7.3	49	380	1,936.3	<1.0	0.52^d	70	18.1
	12/28/20 ^e	55	<1.0	2.7	29	86.7	<1.0	0.25^d	30	<10
	03/20/21 ^e	10	<1.0	<1.0	2.6	12.6	<1.0	0.30^d	27	<10
MW-17	06/11/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	09/10/20	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0095 ^d	<1.0	<10
	12/27/20 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
	03/20/21 ^e	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<0.0094 ^d	<1.0	<10
RW-1	09/19/19	720	800	47	430	1,997	<1.0	6.4^d	36	10
	06/13/20	340	39	18	51	448	<5.0	0.22^d	<5.0 ^b	10
	09/15/20	650	230	49	120	1,049	<2.0	1.7^d	22	14
	12/28/20 ^e	5,500	3,300	260	2,000	11,060	<1.0	5.1^d	31	161
	03/21/21 ^e	3,000	750	230	590	4,570	<2.0	7.5^d	57	123
RW-2	09/18/19	3,500	3,300	210	1,600	8,610	<10	74^d	220	58
	06/14/20	1,800	1,100	130	470	3,500	<20	4.8^d	<20 ^b	<200 ^b
	09/15/20	2,500	2,600	180	800	6,080	<10	2.6^d	25	41
	12/27/20 ^e	7,400	6,200	380	1,800	15,780	<1.0	31^d	64	133
	03/19/21 ^e	Well not sampled due to presence of LNAPL								



**Table 3. Summary of Analytical Organic Chemistry Data for Groundwater
Former Y Station State Lead Site, Clovis, New Mexico**

Well Name	Date Sampled	Concentration ^a (µg/L)								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	BTEX	MTBE	EDB	EDC	Total Naphthalenes
<i>NMWQCC Standard</i>		5	1,000	700	620	None	100	0.05	5	30
RW-3	09/20/19	4,100	5,100	310	2,300	11,810	<10	25^d	130	58
	06/13/20	3,800	2,300	290	2,100	8,490	<20	49^d	180	76
	09/16/20	4,000	2,900	280	1,900	9,080	<20	33^d	190	68
	12/28/20	3,000	2,500	200	1,200	6,900	<1.0	14^d	94	90
	12/28/20 ^e	2,000	530	89	690	3,309	<2.0	20^d	84	24
	03/21/21 ^e	2,900	980	160	930	4,970	<20	22^d	110	44
RW-4	09/19/19	690	730	47	340	1,807	<1.0	5.2^d	28	5.4
	06/12/20	1,500	410	110	360	2,380	<5.0	13^d	100	20
	09/12/20	1,400	600	92	300	2,392	<10	9.7^d	91	<100 ^b
	12/28/20	1,900	1,400	160	650	4,110	<10	8.8^d	33	27
	12/28/20 ^e	3,400	1,100	220	760	5,480	<10	10^d	56	35
	03/20/21 ^e	3,000	1,100	200	640	4,940	<5.0	7.4^d	41	35

Bold indicates values that are equal to or exceed applicable standards.

Pre-May 2, 2019 data reported by Brown Environmental, Inc. (BEI, 2016).

^a Samples analyzed in accordance with EPA method 8260B, unless otherwise noted.

^b Laboratory reporting limit is equal or greater than the NMWQCC standard.

^c Duplicate sample

^d Samples analyzed in accordance with EPA method 504.1.

^e Sample collected using HydraSleeve sampling device.

µg/L = Micrograms per liter

BTEX = Benzene, toluene, ethylbenzene, and total xylenes

MTBE = Methyl tertiary-butyl ether

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

NMWQCC = New Mexico Water Quality Control Commission

LNAPL = Light nonaqueous-phase liquid

HS = HydraSleeve sampling device

Appendix A
Sampling Protocol



Appendix A. Sampling Protocol

Fluid Level and Parameter Measurements

Prior to collection of groundwater samples, a Solinst interface probe or equivalent device will be used to determine depths to water and nonaqueous-phase liquid (NAPL), if present. Water level data will be used to construct a site potentiometric surface map. A YSI 556 Multi-Probe System (MPS) water quality meter or equivalent device will be used to measure specific conductivity, pH, temperature, dissolved oxygen (DO), and oxidation/reduction potential (ORP). Field parameters will be measured at intervals of no less than once per casing volume during purging of a well for sampling. The interface probe will be decontaminated before each measurement using a solution of deionized water and Liquinox (or equivalent) soap.

Groundwater Monitor Well Sampling

DBS&A will attempt to sample wells from the least contaminated to the most contaminated well using data from the previous sampling event. After collecting fluid levels and prior to sampling, each well will be purged. To ensure a fresh flow of groundwater into the well bore, a minimum of three casing volumes will be removed from each well. If a well is purged dry, it will be sampled when the well has recharged. Wells will be purged and sampled using a trailer-mounted Bennett pump in accordance with DBS&A standard operating procedures (SOPs). Water will be disposed on the ground within the site boundaries, preferably on an impervious surface and near the well of origin. Purge water must not contain NAPL, must not endanger public health or safety, and must not enter a surface water body or tributary, including an arroyo. Any purged fluids containing NAPL will be containerized for future disposal at a licensed facility.

Samples analyzed for volatile organic analytes (VOAs) will be collected in 40-milliliter (mL) glass bottles containing the appropriate preservative and capped with Teflon septa caps. VOA containers will be filled in a manner that prevents headspace in the vials. Samples analyzed for dissolved iron, lead, and manganese will be field-filtered with 0.45-micron disposable filters, collected in 250-mL plastic containers, and preserved with nitric acid to a pH of less than 2. Samples analyzed for nitrate and sulfate will be collected in 500-mL plastic containers containing no preservative.



Daniel B. Stephens & Associates, Inc.

Immediately after collection, the sample containers will be labeled and placed on ice in an insulated cooler for delivery to the laboratory for analyses. Groundwater samples will be accompanied by full chain of custody documentation at all times.

Appendix B
Field Notes

Y. Morgan Farmer Y 3-19-21

First Day of quarterly

Weather: Low 33°, High 63°, Clear, windy

- 0900 Leave hotel - return cylinder to CESCO
- To truck wash
- To Harbor Freight for tags & plastic sheeting
- 1215 Tailgate safety
- Decon sourcer
- Gauge 17 wells - DTWs
- Deploy Hydrasteeves @ 12 wells
- 20:00 Leave site to hotel

~~Y. Morgan~~

Y. Morgan Farmer Y 3-20-21

Day 2 of quarterly monitoring

Low 40°, High 71°, Clear, 15-20 mph

- 0815 leave hotel
- Ice & plastic cups
- Gauge 5 remaining wells
- Deploy 4 more Hydrasteeves
- 1115 Calibrate pH meter
- Begin sampling Hydrasteeves (Standard 12" that were placed yesterday)
- 1830 Finish collecting samples from 12 Hydrasteeves placed yesterday
- * While bailing down NAPL @ BW-5 3" bailer broke on seam losing bailer to bottom of well
- 20:00 finish bail down @ BW-5, pack good
- 20:15 leave site

~~Y. Morgan~~

Y. Morgan Farmer Y

3-21-21

0830 check out of hotel

0845 on site Tailgate safety

- Calibrate YSI

0915 - collect 1st sample of day

- collect 4 samples

- NAPL breakdown @ RW-2

- Dispose of trash, stow gear.

- 1330 - Leave site

- Partial Demobe

~~Joe Boy~~



GROUNDWATER ELEVATION DATA SHEET

Project Name: Farm-V Station Sampler: V. Muzon
 Project #: AB18. 1157.00 Gauge Sample Date: 3-19-21
 Project Manager: T. Goller Sheet # 1 of 2

Well ID	Depth to NAPL	Depth to Water	Total Depth	Comments: (well dia., sampled, condition)
✓ BW-1	—	329.44	—	1303
✓ BW-2	—	329.90	—	1245
✓ BW-3	—	329.00 329.44	—	1310
✓ BW-4	—	329.50	349.40	1549
✓ BW-5	329.19	329.34	332.70	0835 3-20-21 0.15' NAPL
✓ BW-6	—	330.24	—	1319
✓ BW-7	—	328.38	332.70	1803
✓ BW-8	—	328.93	351.80	1018 3-20-21
✓ BW-9	—	328.62	347.60	1613
✓ BW-10	—	326.35	351.20	1651
✓ MW-11	—	326.88	360.50	1846
✓ MW-12	—	329.22	362	0837 3-20-21
✓ MW-13	—	327.38	360	1739
✓ MW-14	—	319.34	360	15:13
✓ MW-15	—	323.76	360	14:45

Comments:



GROUNDWATER ELEVATION DATA SHEET

Project Name: Former Y Sampler: YM
 Project #: _____ Sample Date: 3-19-21
 Project Manager: _____ Sheet # 2 of 2

Well ID	Depth to NAPL	Depth to Water	Total Depth	Comments: (well dia., sampled, condition)
✓ MW-16	—	329.44	363.20 363.70	17:15
✓ MW-17	—	329.89	364.89 (m)	1350
✓ RW-1	—	329.74	360.00	3-20-21 0945
✓ RW-2	329.72	330.07	365	1935 0.35' NAPL
✓ RW-3	—	328.83	360	0901 3-20-21
✓ RW-4	—	329.38	360	1912
✓ BWS-7R	—	328.39	360.95	1821 6" OA vial

Comments:



NAPL RECOVERY DATA SHEET

Project Name: Former V Station Sampler: V Morgan
 Project #: DB18-1157.00 Date: 3-20-21
 Project Manager: T. Golden Time: 1850 - 565T
 Well #: BW-5 Well Diameter: 5 (inches)
 Initial Depth to NAPL: 329.19 (feet btoc) Bailer Diameter: 3 (inches)
 Initial Depth to Water: 329.34 (feet btoc) Start Time: 1850
 Initial NAPL Thickness: 0.15 (feet) End Time: 1956

Note:

Bailer volume (SCH 40 PVC): 1.5" ID bailer = 0.09 gal/ft; 3.0" = 0.37 gal/ft

1.5"

3"

Bailer #	NAPL Thickness in Bailer (feet)	Water Thickness in Bailer (feet)	Remarks / Time
1	0.03	0.3	1953
2	0.05	0.6	Bailer probe in seam 1900
3			1919
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15	0.08	0.9	

Bailer #	NAPL Thickness in Bailer (feet)	Water Thickness in Bailer (feet)	Remarks / Time
16	0.02	1.2	1913
17	0.04	1.5	1917
18	0.04	1.5	1920
19	0.03	0.3	1923
20	0.02	0.4	1927
21	0.02	0.7	1931
22	0.02	0.6	1934
23	0.02	0.5	1937
24	0.01	0.3	1940
25	0.02	0.7	1945
26	0.01	0.6	1947
27	0.00	0.5	1950
28	0.00	0.3	1950
29			1956
30	0.25	9.1	

Totals:

NAPL Thickness: 0.08 + 0.05 (feet) Water Thickness: 0.9 + 9.1 (feet)
 Volume of NAPL: 0.03 + .02 - 0.05 (gal) Volume of Water: 0.33 + 0.82 = 1.15 (gal)
 Final Depth to Water: _____ (feet btoc) Final Depth to NAPL: _____ (feet btoc)



NAPL RECOVERY DATA SHEET

Project Name: Former Y Sampler: V. Morgan
 Project #: DB18, 1157.00 Date: 3-21-21
 Project Manager: T. Golden Time: start 1153
 Well #: RW-2 Well Diameter: 4" (inches)
 Initial Depth to NAPL: 329.72 (feet btoc) Bailer Diameter: 1.5 (inches)
 Initial Depth to Water: 330.07 (feet btoc) Start Time: 1153
 Initial NAPL Thickness: 0.35 (feet) End Time: 1300

Note:
 Bailer volume (SCH 40 PVC): 1.5" ID bailer = 0.09 gal/ft; 3.0" = 0.37 gal/ft

*swinging
bailer many
times to
increase
NAPL recovery*

Bailer #	NAPL Thickness in Bailer (feet)	Water Thickness in Bailer (feet)	Remarks / Time
1	0.07	1.5	1153
2	0.08	1.5	1158
3	0.12	0.8	1202
4	0.14	1.3	1205
5	0.12	1.0	1208
6	0.08	0.5	1215
7	0.04	0.4	1220
8	0.03	0.8	1227
9	0.02	0.6	1233
10	0.02	0.5	1237
11	0.02	0.5	1242
12	0.02	0.7	1247
13	0.01	0.6	1253
14	0.01	0.4	1256
15	0.01	0.5	1300

Bailer #	NAPL Thickness in Bailer (feet)	Water Thickness in Bailer (feet)	Remarks / Time
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

Totals:
 NAPL Thickness: 0.79 (feet) Water Thickness: 11.6 (feet)
 Volume of NAPL: 0.071 (gal) Volume of Water: 1.04 (gal)
 Final Depth to Water: _____ (feet btoc) Final Depth to NAPL: _____ (feet btoc)



GROUNDWATER METER CALIBRATION SHEET

Project Name: Former Y Station Sampler: V. Morgan
 Project #: NBP, 1157.00 Date: 3.20.21
 Project Manager: T. Golden

<u>pH</u>	<u>Temp (°C)</u>	<u>Comments</u>
(4)		
(7) 7.07	11.5	No calibration needed
(10)		
<u>SpCon (µs/cm)</u>	<u>Temp (°C)</u>	<u>Comments</u>
(1413) 1399 → 1413	11.5	
<u>ORP (mv)</u>	<u>Temp (°C)</u>	<u>Comments</u>
223.5 → 220	12.5	
<u>Dissolved O₂</u>	<u>Temp (°C)</u>	<u>Comments</u>
(%) 21.3	18.7	
(mg/L) 2.70	22.1	
<u>Pressure</u>	<u>Temp (°C)</u>	<u>Comments</u>
(mmHg) 655.4	12.5	

Comments:



Daniel B. Stephens & Associates, Inc.

GROUNDWATER METER CALIBRATION SHEET

Project Name: Former Y Station Sampler: Y. Morgan
 Project #: DB18.1157.00 Date: 3-21-21
 Project Manager: T. Golden

<u>pH</u>	<u>Temp (°C)</u>	<u>Comments</u>
(4)		
(7) 7.05	16.0	No Cal needed
(10)		
<u>SpCon (µs/cm)</u>	<u>Temp (°C)</u>	<u>Comments</u>
(1413) 410	15.5	
<u>ORP (mv)</u>	<u>Temp (°C)</u>	<u>Comments</u>
220.7	16.1	
<u>Dissolved O₂</u>	<u>Temp (°C)</u>	<u>Comments</u>
(%) 28.0	19.9	
(mg/L) 3.3	20.4	
<u>Pressure</u>	<u>Temp (°C)</u>	<u>Comments</u>
(mmHg) 649.6	15.5	

Comments:



Tailgate Safety Meeting

Daniel B. Stephens & Associates, Inc.

Project ID: DB18.1157 Day: Friday, Sat, Sunday
 Location: Former Y Station - Clovis Date: 3-19-01, 3-20-01, 3-21-01
 Project Manager: T. Golden Team Leader: Y. Morgan
 Health & Safety Officer: Y. Morgan No. of Personnel Present: 1

Check Topics Discussed

Scheduled Activities: GWM

Chemical/Physical Hazards

- Contaminants of Concern
- Material Safety Data Sheets
- Overhead & Underground Utilities
- Extraordinary Site Conditions
- Lifting/Slips/Trips/Falls
- Heat/Cold Stress (Inc. Sunburn)
- Other: TIA SMC

First Aid Safety cones
 Facilities/Kits/Eyewashes

Vehicle/Heavy Equipment

- Drill Rig "KILL" Switches
- Operation & Inspection
- Preventive Maintenance
- Rotating Augers/Moving Parts

Sanitation & Hygiene

- Drinking Water/Fluids
- Restrooms
- Personal Cleanliness

Personal Protective Equipment - Level D

- Hard Hats/Hearing Protection
- Steel-Toed Boots
- Glasses/Goggles/Shields
- Gloves
- Contingency: Level C

Respirators & Tyvek/Saranex
reflective vest

Emergency Procedures/Site Safety

- "Buddy System"
- Communication
- Facility-Specific Regulations
- Rally Point

Housekeeping

- Waste Containers
- Waste Materials
- Waste Water/Decon. Water

Fire Prevention

- Locations of Extinguishers
- Smoking
- Hot Work
- Explosive & Flammable Liquids
- Other: _____

Emergency Facilities (and Directions)

Name: Plains Regional
 Address: 2100 N. MILK ST Blvd. Clovis
 Tel. No.: 575-769-9141 961

Safety Meeting Attendees:

Name	Signature	Name	Signature
<u>York Morgan</u>	<u>York Morgan 3/17/01</u>		
<u>York Morgan</u>	<u>York Morgan 3/20/01</u>		
<u>York Morgan</u>	<u>York Morgan 3/21/01</u>		

Appendix C
Laboratory Report



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

April 06, 2021

Tom Golden

Daniel B. Stephens & Assoc.
6020 Academy NE Suite 100
Albuquerque, NM 87109
TEL: (505) 822-9400
FAX:

RE: Former Y Station

OrderNo.: 2103A89

Dear Tom Golden:

Hall Environmental Analysis Laboratory received 17 sample(s) on 3/23/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-4

Project: Former Y Station

Collection Date: 3/20/2021 2:35:00 PM

Lab ID: 2103A89-001

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0095		µg/L	1	3/25/2021 12:33:04 PM	58946
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Toluene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Ethylbenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,2-Dichloroethane (EDC)	1.6	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Naphthalene	ND	2.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
2-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Acetone	ND	10		µg/L	1	3/27/2021 11:48:44 AM	A76266
Bromobenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Bromodichloromethane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Bromoform	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Bromomethane	ND	3.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
2-Butanone	ND	10		µg/L	1	3/27/2021 11:48:44 AM	A76266
Carbon disulfide	ND	10		µg/L	1	3/27/2021 11:48:44 AM	A76266
Carbon Tetrachloride	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Chlorobenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Chloroethane	ND	2.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Chloroform	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Chloromethane	ND	3.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
2-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
4-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
cis-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Dibromochloromethane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Dibromomethane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,1-Dichloroethane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,1-Dichloroethene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,2-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-4

Project: Former Y Station

Collection Date: 3/20/2021 2:35:00 PM

Lab ID: 2103A89-001

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,3-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
2,2-Dichloropropane	ND	2.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,1-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Hexachlorobutadiene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
2-Hexanone	ND	10		µg/L	1	3/27/2021 11:48:44 AM	A76266
Isopropylbenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
4-Isopropyltoluene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2021 11:48:44 AM	A76266
Methylene Chloride	ND	3.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
n-Butylbenzene	ND	3.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
n-Propylbenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
sec-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Styrene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
tert-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
trans-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Trichlorofluoromethane	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Vinyl chloride	ND	1.0		µg/L	1	3/27/2021 11:48:44 AM	A76266
Xylenes, Total	ND	1.5		µg/L	1	3/27/2021 11:48:44 AM	A76266
Surr: 1,2-Dichloroethane-d4	93.5	70-130		%Rec	1	3/27/2021 11:48:44 AM	A76266
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	3/27/2021 11:48:44 AM	A76266
Surr: Dibromofluoromethane	114	70-130		%Rec	1	3/27/2021 11:48:44 AM	A76266
Surr: Toluene-d8	99.9	70-130		%Rec	1	3/27/2021 11:48:44 AM	A76266

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-7

Project: Former Y Station

Collection Date: 3/20/2021 2:58:00 PM

Lab ID: 2103A89-002

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0094		µg/L	1	3/26/2021 7:17:24 AM	58946
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	1000	20		µg/L	20	3/27/2021 12:17:26 PM	A76266
Toluene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Ethylbenzene	13	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,2-Dichloroethane (EDC)	110	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Naphthalene	ND	4.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1-Methylnaphthalene	ND	8.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
2-Methylnaphthalene	ND	8.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Acetone	ND	20		µg/L	2	3/27/2021 12:45:56 PM	A76266
Bromobenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Bromodichloromethane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Bromoform	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Bromomethane	ND	6.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
2-Butanone	ND	20		µg/L	2	3/27/2021 12:45:56 PM	A76266
Carbon disulfide	ND	20		µg/L	2	3/27/2021 12:45:56 PM	A76266
Carbon Tetrachloride	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Chlorobenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Chloroethane	ND	4.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Chloroform	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Chloromethane	ND	6.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
2-Chlorotoluene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
4-Chlorotoluene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
cis-1,2-DCE	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Dibromochloromethane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Dibromomethane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,2-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,3-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,4-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Dichlorodifluoromethane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,1-Dichloroethane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,1-Dichloroethene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,2-Dichloropropane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-7

Project: Former Y Station

Collection Date: 3/20/2021 2:58:00 PM

Lab ID: 2103A89-002

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,3-Dichloropropane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
2,2-Dichloropropane	ND	4.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,1-Dichloropropene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Hexachlorobutadiene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
2-Hexanone	ND	20		µg/L	2	3/27/2021 12:45:56 PM	A76266
Isopropylbenzene	6.5	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
4-Isopropyltoluene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
4-Methyl-2-pentanone	23	20		µg/L	2	3/27/2021 12:45:56 PM	A76266
Methylene Chloride	ND	6.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
n-Butylbenzene	ND	6.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
n-Propylbenzene	6.0	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
sec-Butylbenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Styrene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
tert-Butylbenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
trans-1,2-DCE	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,1,1-Trichloroethane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,1,2-Trichloroethane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Trichloroethene (TCE)	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Trichlorofluoromethane	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
1,2,3-Trichloropropane	ND	4.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Vinyl chloride	ND	2.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Xylenes, Total	3.3	3.0		µg/L	2	3/27/2021 12:45:56 PM	A76266
Surr: 1,2-Dichloroethane-d4	88.1	70-130		%Rec	2	3/27/2021 12:45:56 PM	A76266
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	2	3/27/2021 12:45:56 PM	A76266
Surr: Dibromofluoromethane	99.2	70-130		%Rec	2	3/27/2021 12:45:56 PM	A76266
Surr: Toluene-d8	106	70-130		%Rec	2	3/27/2021 12:45:56 PM	A76266

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-7R

Project: Former Y Station

Collection Date: 3/20/2021 3:33:00 PM

Lab ID: 2103A89-003

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.012	0.0093		µg/L	1	3/26/2021 7:32:18 AM	58946
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	920	20		µg/L	20	3/29/2021 3:30:22 PM	R76302
Toluene	2.2	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Ethylbenzene	43	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,2,4-Trimethylbenzene	14	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,3,5-Trimethylbenzene	6.6	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,2-Dichloroethane (EDC)	120	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Naphthalene	11	4.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1-Methylnaphthalene	ND	8.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
2-Methylnaphthalene	ND	8.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Acetone	ND	20		µg/L	2	3/27/2021 1:14:36 PM	A76266
Bromobenzene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Bromodichloromethane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Bromoform	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Bromomethane	ND	6.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
2-Butanone	ND	20		µg/L	2	3/27/2021 1:14:36 PM	A76266
Carbon disulfide	ND	20		µg/L	2	3/27/2021 1:14:36 PM	A76266
Carbon Tetrachloride	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Chlorobenzene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Chloroethane	ND	4.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Chloroform	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Chloromethane	ND	6.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
2-Chlorotoluene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
4-Chlorotoluene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
cis-1,2-DCE	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Dibromochloromethane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Dibromomethane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,2-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,3-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,4-Dichlorobenzene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Dichlorodifluoromethane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,1-Dichloroethane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,1-Dichloroethene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,2-Dichloropropane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-7R

Project: Former Y Station

Collection Date: 3/20/2021 3:33:00 PM

Lab ID: 2103A89-003

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,3-Dichloropropane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
2,2-Dichloropropane	ND	4.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,1-Dichloropropene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Hexachlorobutadiene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
2-Hexanone	ND	20		µg/L	2	3/27/2021 1:14:36 PM	A76266
Isopropylbenzene	3.1	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
4-Isopropyltoluene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
4-Methyl-2-pentanone	ND	20		µg/L	2	3/27/2021 1:14:36 PM	A76266
Methylene Chloride	ND	6.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
n-Butylbenzene	ND	6.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
n-Propylbenzene	4.3	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
sec-Butylbenzene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Styrene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
tert-Butylbenzene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
trans-1,2-DCE	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,1,1-Trichloroethane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,1,2-Trichloroethane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Trichloroethene (TCE)	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Trichlorofluoromethane	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
1,2,3-Trichloropropane	ND	4.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Vinyl chloride	ND	2.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Xylenes, Total	20	3.0		µg/L	2	3/27/2021 1:14:36 PM	A76266
Surr: 1,2-Dichloroethane-d4	90.2	70-130		%Rec	2	3/27/2021 1:14:36 PM	A76266
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	2	3/27/2021 1:14:36 PM	A76266
Surr: Dibromofluoromethane	107	70-130		%Rec	2	3/27/2021 1:14:36 PM	A76266
Surr: Toluene-d8	97.4	70-130		%Rec	2	3/27/2021 1:14:36 PM	A76266

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-8

Project: Former Y Station

Collection Date: 3/21/2021 11:32:00 AM

Lab ID: 2103A89-004

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.86	0.094		µg/L	10	3/26/2021 8:16:55 AM	58946
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	14000	500		µg/L	500	3/27/2021 1:43:19 PM	A76266
Toluene	23000	500		µg/L	500	3/27/2021 1:43:19 PM	A76266
Ethylbenzene	1600	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,2,4-Trimethylbenzene	730	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,3,5-Trimethylbenzene	180	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,2-Dichloroethane (EDC)	94	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,2-Dibromoethane (EDB)	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Naphthalene	300	100		µg/L	50	3/27/2021 2:12:02 PM	A76266
1-Methylnaphthalene	ND	200		µg/L	50	3/27/2021 2:12:02 PM	A76266
2-Methylnaphthalene	ND	200		µg/L	50	3/27/2021 2:12:02 PM	A76266
Acetone	670	500		µg/L	50	3/27/2021 2:12:02 PM	A76266
Bromobenzene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Bromodichloromethane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Bromoform	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Bromomethane	ND	150		µg/L	50	3/27/2021 2:12:02 PM	A76266
2-Butanone	810	500		µg/L	50	3/27/2021 2:12:02 PM	A76266
Carbon disulfide	ND	500		µg/L	50	3/27/2021 2:12:02 PM	A76266
Carbon Tetrachloride	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Chlorobenzene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Chloroethane	ND	100		µg/L	50	3/27/2021 2:12:02 PM	A76266
Chloroform	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Chloromethane	ND	150		µg/L	50	3/27/2021 2:12:02 PM	A76266
2-Chlorotoluene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
4-Chlorotoluene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
cis-1,2-DCE	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
cis-1,3-Dichloropropene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,2-Dibromo-3-chloropropane	ND	100		µg/L	50	3/27/2021 2:12:02 PM	A76266
Dibromochloromethane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Dibromomethane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,2-Dichlorobenzene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,3-Dichlorobenzene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,4-Dichlorobenzene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Dichlorodifluoromethane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,1-Dichloroethane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,1-Dichloroethene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,2-Dichloropropane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-8

Project: Former Y Station

Collection Date: 3/21/2021 11:32:00 AM

Lab ID: 2103A89-004

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,3-Dichloropropane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
2,2-Dichloropropane	ND	100		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,1-Dichloropropene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Hexachlorobutadiene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
2-Hexanone	690	500		µg/L	50	3/27/2021 2:12:02 PM	A76266
Isopropylbenzene	53	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
4-Isopropyltoluene	60	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
4-Methyl-2-pentanone	ND	500		µg/L	50	3/27/2021 2:12:02 PM	A76266
Methylene Chloride	ND	150		µg/L	50	3/27/2021 2:12:02 PM	A76266
n-Butylbenzene	ND	150		µg/L	50	3/27/2021 2:12:02 PM	A76266
n-Propylbenzene	120	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
sec-Butylbenzene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Styrene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
tert-Butylbenzene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,1,1,2-Tetrachloroethane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,1,2,2-Tetrachloroethane	ND	100		µg/L	50	3/27/2021 2:12:02 PM	A76266
Tetrachloroethene (PCE)	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
trans-1,2-DCE	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
trans-1,3-Dichloropropene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,2,3-Trichlorobenzene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,2,4-Trichlorobenzene	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,1,1-Trichloroethane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,1,2-Trichloroethane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Trichloroethene (TCE)	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Trichlorofluoromethane	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
1,2,3-Trichloropropane	ND	100		µg/L	50	3/27/2021 2:12:02 PM	A76266
Vinyl chloride	ND	50		µg/L	50	3/27/2021 2:12:02 PM	A76266
Xylenes, Total	6600	75		µg/L	50	3/27/2021 2:12:02 PM	A76266
Surr: 1,2-Dichloroethane-d4	91.6	70-130		%Rec	50	3/27/2021 2:12:02 PM	A76266
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	50	3/27/2021 2:12:02 PM	A76266
Surr: Dibromofluoromethane	110	70-130		%Rec	50	3/27/2021 2:12:02 PM	A76266
Surr: Toluene-d8	104	70-130		%Rec	50	3/27/2021 2:12:02 PM	A76266

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-9

Project: Former Y Station

Collection Date: 3/20/2021 1:57:00 PM

Lab ID: 2103A89-005

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0094		µg/L	1	3/25/2021 1:48:06 PM	58946
EPA METHOD 8260B: VOLATILES							Analyst: BRM
Benzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Toluene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Ethylbenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Naphthalene	ND	2.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
2-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Acetone	ND	10		µg/L	1	3/27/2021 3:42:19 AM	C76263
Bromobenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Bromodichloromethane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Bromoform	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Bromomethane	ND	3.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
2-Butanone	ND	10		µg/L	1	3/27/2021 3:42:19 AM	C76263
Carbon disulfide	ND	10		µg/L	1	3/27/2021 3:42:19 AM	C76263
Carbon Tetrachloride	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Chlorobenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Chloroethane	ND	2.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Chloroform	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Chloromethane	ND	3.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
2-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
4-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
cis-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Dibromochloromethane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Dibromomethane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,1-Dichloroethane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,1-Dichloroethene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,2-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263

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

Qualifiers:	* 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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-9

Project: Former Y Station

Collection Date: 3/20/2021 1:57:00 PM

Lab ID: 2103A89-005

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: BRM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
2,2-Dichloropropane	ND	2.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,1-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Hexachlorobutadiene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
2-Hexanone	ND	10		µg/L	1	3/27/2021 3:42:19 AM	C76263
Isopropylbenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
4-Isopropyltoluene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2021 3:42:19 AM	C76263
Methylene Chloride	ND	3.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
n-Butylbenzene	ND	3.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
n-Propylbenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
sec-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Styrene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
tert-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
trans-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Trichlorofluoromethane	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Vinyl chloride	ND	1.0		µg/L	1	3/27/2021 3:42:19 AM	C76263
Xylenes, Total	ND	1.5		µg/L	1	3/27/2021 3:42:19 AM	C76263
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	3/27/2021 3:42:19 AM	C76263
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	3/27/2021 3:42:19 AM	C76263
Surr: Dibromofluoromethane	104	70-130		%Rec	1	3/27/2021 3:42:19 AM	C76263
Surr: Toluene-d8	97.8	70-130		%Rec	1	3/27/2021 3:42:19 AM	C76263

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-10

Project: Former Y Station

Collection Date: 3/20/2021 1:28:00 PM

Lab ID: 2103A89-006

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0094		µg/L	1	3/25/2021 2:03:07 PM	58946
EPA METHOD 8260B: VOLATILES							Analyst: BRM
Benzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Toluene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Ethylbenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Naphthalene	ND	2.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
2-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Acetone	ND	10		µg/L	1	3/27/2021 4:09:22 AM	C76263
Bromobenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Bromodichloromethane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Bromoform	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Bromomethane	ND	3.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
2-Butanone	ND	10		µg/L	1	3/27/2021 4:09:22 AM	C76263
Carbon disulfide	ND	10		µg/L	1	3/27/2021 4:09:22 AM	C76263
Carbon Tetrachloride	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Chlorobenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Chloroethane	ND	2.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Chloroform	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Chloromethane	ND	3.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
2-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
4-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
cis-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Dibromochloromethane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Dibromomethane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,1-Dichloroethane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,1-Dichloroethene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,2-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263

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

Qualifiers:	* 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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: BW-10

Project: Former Y Station

Collection Date: 3/20/2021 1:28:00 PM

Lab ID: 2103A89-006

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: BRM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
2,2-Dichloropropane	ND	2.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,1-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Hexachlorobutadiene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
2-Hexanone	ND	10		µg/L	1	3/27/2021 4:09:22 AM	C76263
Isopropylbenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
4-Isopropyltoluene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2021 4:09:22 AM	C76263
Methylene Chloride	ND	3.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
n-Butylbenzene	ND	3.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
n-Propylbenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
sec-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Styrene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
tert-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
trans-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Trichlorofluoromethane	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Vinyl chloride	ND	1.0		µg/L	1	3/27/2021 4:09:22 AM	C76263
Xylenes, Total	ND	1.5		µg/L	1	3/27/2021 4:09:22 AM	C76263
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	3/27/2021 4:09:22 AM	C76263
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	3/27/2021 4:09:22 AM	C76263
Surr: Dibromofluoromethane	105	70-130		%Rec	1	3/27/2021 4:09:22 AM	C76263
Surr: Toluene-d8	98.7	70-130		%Rec	1	3/27/2021 4:09:22 AM	C76263

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-11

Project: Former Y Station

Collection Date: 3/20/2021 5:35:00 PM

Lab ID: 2103A89-007

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.14	0.0095		µg/L	1	3/26/2021 9:37:52 AM	58946
EPA METHOD 8260B: VOLATILES							Analyst: BRM
Benzene	3800	200		µg/L	200	3/27/2021 4:36:23 AM	C76263
Toluene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Ethylbenzene	250	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,2,4-Trimethylbenzene	170	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,3,5-Trimethylbenzene	47	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,2-Dichloroethane (EDC)	200	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Naphthalene	42	40		µg/L	20	3/27/2021 5:03:23 AM	C76263
1-Methylnaphthalene	ND	80		µg/L	20	3/27/2021 5:03:23 AM	C76263
2-Methylnaphthalene	ND	80		µg/L	20	3/27/2021 5:03:23 AM	C76263
Acetone	ND	200		µg/L	20	3/27/2021 5:03:23 AM	C76263
Bromobenzene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Bromodichloromethane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Bromoform	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Bromomethane	ND	60		µg/L	20	3/27/2021 5:03:23 AM	C76263
2-Butanone	ND	200		µg/L	20	3/27/2021 5:03:23 AM	C76263
Carbon disulfide	ND	200		µg/L	20	3/27/2021 5:03:23 AM	C76263
Carbon Tetrachloride	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Chlorobenzene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Chloroethane	ND	40		µg/L	20	3/27/2021 5:03:23 AM	C76263
Chloroform	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Chloromethane	ND	60		µg/L	20	3/27/2021 5:03:23 AM	C76263
2-Chlorotoluene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
4-Chlorotoluene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
cis-1,2-DCE	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
cis-1,3-Dichloropropene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	3/27/2021 5:03:23 AM	C76263
Dibromochloromethane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Dibromomethane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,2-Dichlorobenzene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,3-Dichlorobenzene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,4-Dichlorobenzene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Dichlorodifluoromethane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,1-Dichloroethane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,1-Dichloroethene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,2-Dichloropropane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-11

Project: Former Y Station

Collection Date: 3/20/2021 5:35:00 PM

Lab ID: 2103A89-007

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: BRM
1,3-Dichloropropane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
2,2-Dichloropropane	ND	40		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,1-Dichloropropene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Hexachlorobutadiene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
2-Hexanone	ND	200		µg/L	20	3/27/2021 5:03:23 AM	C76263
Isopropylbenzene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
4-Isopropyltoluene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
4-Methyl-2-pentanone	ND	200		µg/L	20	3/27/2021 5:03:23 AM	C76263
Methylene Chloride	ND	60		µg/L	20	3/27/2021 5:03:23 AM	C76263
n-Butylbenzene	ND	60		µg/L	20	3/27/2021 5:03:23 AM	C76263
n-Propylbenzene	22	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
sec-Butylbenzene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Styrene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
tert-Butylbenzene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	3/27/2021 5:03:23 AM	C76263
Tetrachloroethene (PCE)	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
trans-1,2-DCE	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
trans-1,3-Dichloropropene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,2,3-Trichlorobenzene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,2,4-Trichlorobenzene	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,1,1-Trichloroethane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,1,2-Trichloroethane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Trichloroethene (TCE)	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Trichlorofluoromethane	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
1,2,3-Trichloropropane	ND	40		µg/L	20	3/27/2021 5:03:23 AM	C76263
Vinyl chloride	ND	20		µg/L	20	3/27/2021 5:03:23 AM	C76263
Xylenes, Total	38	30		µg/L	20	3/27/2021 5:03:23 AM	C76263
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	20	3/27/2021 5:03:23 AM	C76263
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	20	3/27/2021 5:03:23 AM	C76263
Surr: Dibromofluoromethane	108	70-130		%Rec	20	3/27/2021 5:03:23 AM	C76263
Surr: Toluene-d8	101	70-130		%Rec	20	3/27/2021 5:03:23 AM	C76263

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-12

Project: Former Y Station

Collection Date: 3/21/2021 9:15:00 AM

Lab ID: 2103A89-008

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.11	0.0095		µg/L	1	3/25/2021 2:33:13 PM	58946
EPA METHOD 8260B: VOLATILES							Analyst: BRM
Benzene	98	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Toluene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Ethylbenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,2-Dichloroethane (EDC)	44	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Naphthalene	ND	10		µg/L	5	3/27/2021 5:57:29 AM	C76263
1-Methylnaphthalene	ND	20		µg/L	5	3/27/2021 5:57:29 AM	C76263
2-Methylnaphthalene	ND	20		µg/L	5	3/27/2021 5:57:29 AM	C76263
Acetone	ND	50		µg/L	5	3/27/2021 5:57:29 AM	C76263
Bromobenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Bromodichloromethane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Bromoform	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Bromomethane	ND	15		µg/L	5	3/27/2021 5:57:29 AM	C76263
2-Butanone	ND	50		µg/L	5	3/27/2021 5:57:29 AM	C76263
Carbon disulfide	ND	50		µg/L	5	3/27/2021 5:57:29 AM	C76263
Carbon Tetrachloride	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Chlorobenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Chloroethane	ND	10		µg/L	5	3/27/2021 5:57:29 AM	C76263
Chloroform	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Chloromethane	ND	15		µg/L	5	3/27/2021 5:57:29 AM	C76263
2-Chlorotoluene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
4-Chlorotoluene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
cis-1,2-DCE	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/27/2021 5:57:29 AM	C76263
Dibromochloromethane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Dibromomethane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,1-Dichloroethane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,1-Dichloroethene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,2-Dichloropropane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-12

Project: Former Y Station

Collection Date: 3/21/2021 9:15:00 AM

Lab ID: 2103A89-008

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: BRM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
2,2-Dichloropropane	ND	10		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,1-Dichloropropene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Hexachlorobutadiene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
2-Hexanone	ND	50		µg/L	5	3/27/2021 5:57:29 AM	C76263
Isopropylbenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
4-Isopropyltoluene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
4-Methyl-2-pentanone	ND	50		µg/L	5	3/27/2021 5:57:29 AM	C76263
Methylene Chloride	ND	15		µg/L	5	3/27/2021 5:57:29 AM	C76263
n-Butylbenzene	ND	15		µg/L	5	3/27/2021 5:57:29 AM	C76263
n-Propylbenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
sec-Butylbenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Styrene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
tert-Butylbenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/27/2021 5:57:29 AM	C76263
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
trans-1,2-DCE	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Trichlorofluoromethane	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
1,2,3-Trichloropropane	ND	10		µg/L	5	3/27/2021 5:57:29 AM	C76263
Vinyl chloride	ND	5.0		µg/L	5	3/27/2021 5:57:29 AM	C76263
Xylenes, Total	ND	7.5		µg/L	5	3/27/2021 5:57:29 AM	C76263
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	5	3/27/2021 5:57:29 AM	C76263
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	3/27/2021 5:57:29 AM	C76263
Surr: Dibromofluoromethane	104	70-130		%Rec	5	3/27/2021 5:57:29 AM	C76263
Surr: Toluene-d8	98.1	70-130		%Rec	5	3/27/2021 5:57:29 AM	C76263

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-13

Project: Former Y Station

Collection Date: 3/20/2021 4:35:00 PM

Lab ID: 2103A89-009

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.090	0.0093		µg/L	1	3/25/2021 2:48:19 PM	58946
EPA METHOD 8260B: VOLATILES							Analyst: BRM
Benzene	64	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Toluene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Ethylbenzene	2.8	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,2,4-Trimethylbenzene	2.7	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,2-Dichloroethane (EDC)	26	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Naphthalene	2.0	2.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
2-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Acetone	ND	10		µg/L	1	3/27/2021 6:24:33 AM	C76263
Bromobenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Bromodichloromethane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Bromoform	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Bromomethane	ND	3.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
2-Butanone	ND	10		µg/L	1	3/27/2021 6:24:33 AM	C76263
Carbon disulfide	ND	10		µg/L	1	3/27/2021 6:24:33 AM	C76263
Carbon Tetrachloride	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Chlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Chloroethane	ND	2.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Chloroform	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Chloromethane	ND	3.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
2-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
4-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
cis-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Dibromochloromethane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Dibromomethane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,1-Dichloroethane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,1-Dichloroethene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,2-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-13

Project: Former Y Station

Collection Date: 3/20/2021 4:35:00 PM

Lab ID: 2103A89-009

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: BRM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
2,2-Dichloropropane	ND	2.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,1-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Hexachlorobutadiene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
2-Hexanone	ND	10		µg/L	1	3/27/2021 6:24:33 AM	C76263
Isopropylbenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
4-Isopropyltoluene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2021 6:24:33 AM	C76263
Methylene Chloride	ND	3.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
n-Butylbenzene	ND	3.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
n-Propylbenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
sec-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Styrene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
tert-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
trans-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Trichlorofluoromethane	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Vinyl chloride	ND	1.0		µg/L	1	3/27/2021 6:24:33 AM	C76263
Xylenes, Total	1.8	1.5		µg/L	1	3/27/2021 6:24:33 AM	C76263
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	3/27/2021 6:24:33 AM	C76263
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	3/27/2021 6:24:33 AM	C76263
Surr: Dibromofluoromethane	108	70-130		%Rec	1	3/27/2021 6:24:33 AM	C76263
Surr: Toluene-d8	103	70-130		%Rec	1	3/27/2021 6:24:33 AM	C76263

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-14

Project: Former Y Station

Collection Date: 3/20/2021 12:57:00 PM

Lab ID: 2103A89-010

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0093		µg/L	1	3/26/2021 8:46:38 AM	58946
EPA METHOD 8260B: VOLATILES							Analyst: BRM
Benzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Toluene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Ethylbenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Naphthalene	ND	2.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
2-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Acetone	ND	10		µg/L	1	3/27/2021 6:51:35 AM	C76263
Bromobenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Bromodichloromethane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Bromoform	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Bromomethane	ND	3.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
2-Butanone	ND	10		µg/L	1	3/27/2021 6:51:35 AM	C76263
Carbon disulfide	ND	10		µg/L	1	3/27/2021 6:51:35 AM	C76263
Carbon Tetrachloride	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Chlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Chloroethane	ND	2.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Chloroform	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Chloromethane	ND	3.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
2-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
4-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
cis-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Dibromochloromethane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Dibromomethane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,1-Dichloroethane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,1-Dichloroethene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,2-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-14

Project: Former Y Station

Collection Date: 3/20/2021 12:57:00 PM

Lab ID: 2103A89-010

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: BRM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
2,2-Dichloropropane	ND	2.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,1-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Hexachlorobutadiene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
2-Hexanone	ND	10		µg/L	1	3/27/2021 6:51:35 AM	C76263
Isopropylbenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
4-Isopropyltoluene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2021 6:51:35 AM	C76263
Methylene Chloride	ND	3.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
n-Butylbenzene	ND	3.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
n-Propylbenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
sec-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Styrene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
tert-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
trans-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Trichlorofluoromethane	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Vinyl chloride	ND	1.0		µg/L	1	3/27/2021 6:51:35 AM	C76263
Xylenes, Total	ND	1.5		µg/L	1	3/27/2021 6:51:35 AM	C76263
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	3/27/2021 6:51:35 AM	C76263
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	3/27/2021 6:51:35 AM	C76263
Surr: Dibromofluoromethane	105	70-130		%Rec	1	3/27/2021 6:51:35 AM	C76263
Surr: Toluene-d8	99.8	70-130		%Rec	1	3/27/2021 6:51:35 AM	C76263

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-15

Project: Former Y Station

Collection Date: 3/20/2021 12:25:00 PM

Lab ID: 2103A89-011

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0093		µg/L	1	3/25/2021 3:18:27 PM	58946
EPA METHOD 8260B: VOLATILES							Analyst: BRM
Benzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Toluene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Ethylbenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Naphthalene	ND	2.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
2-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Acetone	ND	10		µg/L	1	3/27/2021 7:18:36 AM	C76263
Bromobenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Bromodichloromethane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Bromoform	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Bromomethane	ND	3.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
2-Butanone	ND	10		µg/L	1	3/27/2021 7:18:36 AM	C76263
Carbon disulfide	ND	10		µg/L	1	3/27/2021 7:18:36 AM	C76263
Carbon Tetrachloride	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Chlorobenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Chloroethane	ND	2.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Chloroform	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Chloromethane	ND	3.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
2-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
4-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
cis-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Dibromochloromethane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Dibromomethane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,1-Dichloroethane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,1-Dichloroethene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,2-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-15

Project: Former Y Station

Collection Date: 3/20/2021 12:25:00 PM

Lab ID: 2103A89-011

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: BRM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
2,2-Dichloropropane	ND	2.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,1-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Hexachlorobutadiene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
2-Hexanone	ND	10		µg/L	1	3/27/2021 7:18:36 AM	C76263
Isopropylbenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
4-Isopropyltoluene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2021 7:18:36 AM	C76263
Methylene Chloride	ND	3.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
n-Butylbenzene	ND	3.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
n-Propylbenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
sec-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Styrene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
tert-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
trans-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Trichlorofluoromethane	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Vinyl chloride	ND	1.0		µg/L	1	3/27/2021 7:18:36 AM	C76263
Xylenes, Total	ND	1.5		µg/L	1	3/27/2021 7:18:36 AM	C76263
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	3/27/2021 7:18:36 AM	C76263
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	3/27/2021 7:18:36 AM	C76263
Surr: Dibromofluoromethane	102	70-130		%Rec	1	3/27/2021 7:18:36 AM	C76263
Surr: Toluene-d8	99.6	70-130		%Rec	1	3/27/2021 7:18:36 AM	C76263

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-16

Project: Former Y Station

Collection Date: 3/20/2021 5:10:00 PM

Lab ID: 2103A89-012

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	0.30	0.19		µg/L	20	3/26/2021 9:01:32 AM	58946
EPA METHOD 8260B: VOLATILES							Analyst: BRM
Benzene	10	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Toluene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Ethylbenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,2-Dichloroethane (EDC)	27	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Naphthalene	ND	2.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1-Methylnaphthalene	ND	4.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
2-Methylnaphthalene	ND	4.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Acetone	ND	10		µg/L	1	3/29/2021 4:20:49 PM	C76297
Bromobenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Bromodichloromethane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Bromoform	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Bromomethane	ND	3.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
2-Butanone	ND	10		µg/L	1	3/29/2021 4:20:49 PM	C76297
Carbon disulfide	ND	10		µg/L	1	3/29/2021 4:20:49 PM	C76297
Carbon Tetrachloride	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Chlorobenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Chloroethane	ND	2.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Chloroform	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Chloromethane	ND	3.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
2-Chlorotoluene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
4-Chlorotoluene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
cis-1,2-DCE	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Dibromochloromethane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Dibromomethane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,1-Dichloroethane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,1-Dichloroethene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,2-Dichloropropane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297

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

Qualifiers:	* 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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-16

Project: Former Y Station

Collection Date: 3/20/2021 5:10:00 PM

Lab ID: 2103A89-012

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: BRM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
2,2-Dichloropropane	ND	2.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,1-Dichloropropene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Hexachlorobutadiene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
2-Hexanone	ND	10		µg/L	1	3/29/2021 4:20:49 PM	C76297
Isopropylbenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
4-Isopropyltoluene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
4-Methyl-2-pentanone	ND	10		µg/L	1	3/29/2021 4:20:49 PM	C76297
Methylene Chloride	ND	3.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
n-Butylbenzene	ND	3.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
n-Propylbenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
sec-Butylbenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Styrene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
tert-Butylbenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
trans-1,2-DCE	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Trichlorofluoromethane	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Vinyl chloride	ND	1.0		µg/L	1	3/29/2021 4:20:49 PM	C76297
Xylenes, Total	2.6	1.5		µg/L	1	3/29/2021 4:20:49 PM	C76297
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	3/29/2021 4:20:49 PM	C76297
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	3/29/2021 4:20:49 PM	C76297
Surr: Dibromofluoromethane	105	70-130		%Rec	1	3/29/2021 4:20:49 PM	C76297
Surr: Toluene-d8	97.4	70-130		%Rec	1	3/29/2021 4:20:49 PM	C76297

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-17

Project: Former Y Station

Collection Date: 3/20/2021 11:25:00 AM

Lab ID: 2103A89-013

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0094		µg/L	1	3/26/2021 10:07:38 AM	58946
EPA METHOD 8260B: VOLATILES							Analyst: BRM
Benzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Toluene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Ethylbenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Naphthalene	ND	2.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
2-Methylnaphthalene	ND	4.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Acetone	ND	10		µg/L	1	3/27/2021 8:39:51 AM	C76263
Bromobenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Bromodichloromethane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Bromoform	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Bromomethane	ND	3.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
2-Butanone	ND	10		µg/L	1	3/27/2021 8:39:51 AM	C76263
Carbon disulfide	ND	10		µg/L	1	3/27/2021 8:39:51 AM	C76263
Carbon Tetrachloride	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Chlorobenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Chloroethane	ND	2.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Chloroform	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Chloromethane	ND	3.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
2-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
4-Chlorotoluene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
cis-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Dibromochloromethane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Dibromomethane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,1-Dichloroethane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,1-Dichloroethene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,2-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-17

Project: Former Y Station

Collection Date: 3/20/2021 11:25:00 AM

Lab ID: 2103A89-013

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: BRM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
2,2-Dichloropropane	ND	2.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,1-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Hexachlorobutadiene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
2-Hexanone	ND	10		µg/L	1	3/27/2021 8:39:51 AM	C76263
Isopropylbenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
4-Isopropyltoluene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2021 8:39:51 AM	C76263
Methylene Chloride	ND	3.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
n-Butylbenzene	ND	3.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
n-Propylbenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
sec-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Styrene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
tert-Butylbenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
trans-1,2-DCE	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Trichlorofluoromethane	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Vinyl chloride	ND	1.0		µg/L	1	3/27/2021 8:39:51 AM	C76263
Xylenes, Total	ND	1.5		µg/L	1	3/27/2021 8:39:51 AM	C76263
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	3/27/2021 8:39:51 AM	C76263
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	3/27/2021 8:39:51 AM	C76263
Surr: Dibromofluoromethane	105	70-130		%Rec	1	3/27/2021 8:39:51 AM	C76263
Surr: Toluene-d8	98.8	70-130		%Rec	1	3/27/2021 8:39:51 AM	C76263

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: RW-1

Project: Former Y Station

Collection Date: 3/21/2021 10:50:00 AM

Lab ID: 2103A89-014

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	7.5	0.94		µg/L	100	4/2/2021 1:07:40 PM	59140
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	3000	200		µg/L	200	3/31/2021 2:47:45 AM	R76341
Toluene	750	20		µg/L	20	3/29/2021 6:22:04 PM	A76302
Ethylbenzene	230	20		µg/L	20	3/29/2021 6:22:04 PM	A76302
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,2,4-Trimethylbenzene	200	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,3,5-Trimethylbenzene	59	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,2-Dichloroethane (EDC)	57	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,2-Dibromoethane (EDB)	11	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Naphthalene	73	4.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1-Methylnaphthalene	17	8.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
2-Methylnaphthalene	33	8.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Acetone	ND	20		µg/L	2	3/29/2021 6:50:43 PM	A76302
Bromobenzene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Bromodichloromethane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Bromoform	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Bromomethane	ND	6.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
2-Butanone	ND	20		µg/L	2	3/29/2021 6:50:43 PM	A76302
Carbon disulfide	ND	20		µg/L	2	3/29/2021 6:50:43 PM	A76302
Carbon Tetrachloride	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Chlorobenzene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Chloroethane	ND	4.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Chloroform	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Chloromethane	ND	6.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
2-Chlorotoluene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
4-Chlorotoluene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
cis-1,2-DCE	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Dibromochloromethane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Dibromomethane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,2-Dichlorobenzene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,3-Dichlorobenzene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,4-Dichlorobenzene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Dichlorodifluoromethane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,1-Dichloroethane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,1-Dichloroethene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,2-Dichloropropane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: RW-1

Project: Former Y Station

Collection Date: 3/21/2021 10:50:00 AM

Lab ID: 2103A89-014

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,3-Dichloropropane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
2,2-Dichloropropane	ND	4.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,1-Dichloropropene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Hexachlorobutadiene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
2-Hexanone	ND	20		µg/L	2	3/29/2021 6:50:43 PM	A76302
Isopropylbenzene	12	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
4-Isopropyltoluene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
4-Methyl-2-pentanone	ND	20		µg/L	2	3/29/2021 6:50:43 PM	A76302
Methylene Chloride	ND	6.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
n-Butylbenzene	ND	6.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
n-Propylbenzene	17	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
sec-Butylbenzene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Styrene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
tert-Butylbenzene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
trans-1,2-DCE	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,1,1-Trichloroethane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,1,2-Trichloroethane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Trichloroethene (TCE)	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Trichlorofluoromethane	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
1,2,3-Trichloropropane	ND	4.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Vinyl chloride	ND	2.0		µg/L	2	3/29/2021 6:50:43 PM	A76302
Xylenes, Total	590	30		µg/L	20	3/29/2021 6:22:04 PM	A76302
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	2	3/29/2021 6:50:43 PM	A76302
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	2	3/29/2021 6:50:43 PM	A76302
Surr: Dibromofluoromethane	103	70-130		%Rec	2	3/29/2021 6:50:43 PM	A76302
Surr: Toluene-d8	109	70-130		%Rec	2	3/29/2021 6:50:43 PM	A76302

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: RW-3

Project: Former Y Station

Collection Date: 3/21/2021 9:50:00 AM

Lab ID: 2103A89-015

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	22	4.7		µg/L	500	4/2/2021 1:22:44 PM	59140
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	2900	200		µg/L	200	3/31/2021 3:16:16 AM	R76341
Toluene	980	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Ethylbenzene	160	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,2,4-Trimethylbenzene	170	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,3,5-Trimethylbenzene	41	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,2-Dichloroethane (EDC)	110	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,2-Dibromoethane (EDB)	30	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Naphthalene	44	40		µg/L	20	3/29/2021 8:45:17 PM	A76302
1-Methylnaphthalene	ND	80		µg/L	20	3/29/2021 8:45:17 PM	A76302
2-Methylnaphthalene	ND	80		µg/L	20	3/29/2021 8:45:17 PM	A76302
Acetone	ND	200		µg/L	20	3/29/2021 8:45:17 PM	A76302
Bromobenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Bromodichloromethane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Bromoform	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Bromomethane	ND	60		µg/L	20	3/29/2021 8:45:17 PM	A76302
2-Butanone	ND	200		µg/L	20	3/29/2021 8:45:17 PM	A76302
Carbon disulfide	ND	200		µg/L	20	3/29/2021 8:45:17 PM	A76302
Carbon Tetrachloride	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Chlorobenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Chloroethane	ND	40		µg/L	20	3/29/2021 8:45:17 PM	A76302
Chloroform	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Chloromethane	ND	60		µg/L	20	3/29/2021 8:45:17 PM	A76302
2-Chlorotoluene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
4-Chlorotoluene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
cis-1,2-DCE	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
cis-1,3-Dichloropropene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	3/29/2021 8:45:17 PM	A76302
Dibromochloromethane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Dibromomethane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,2-Dichlorobenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,3-Dichlorobenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,4-Dichlorobenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Dichlorodifluoromethane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,1-Dichloroethane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,1-Dichloroethene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,2-Dichloropropane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302

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

Qualifiers:	* 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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: RW-3

Project: Former Y Station

Collection Date: 3/21/2021 9:50:00 AM

Lab ID: 2103A89-015

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,3-Dichloropropane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
2,2-Dichloropropane	ND	40		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,1-Dichloropropene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Hexachlorobutadiene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
2-Hexanone	ND	200		µg/L	20	3/29/2021 8:45:17 PM	A76302
Isopropylbenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
4-Isopropyltoluene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
4-Methyl-2-pentanone	ND	200		µg/L	20	3/29/2021 8:45:17 PM	A76302
Methylene Chloride	ND	60		µg/L	20	3/29/2021 8:45:17 PM	A76302
n-Butylbenzene	ND	60		µg/L	20	3/29/2021 8:45:17 PM	A76302
n-Propylbenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
sec-Butylbenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Styrene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
tert-Butylbenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	3/29/2021 8:45:17 PM	A76302
Tetrachloroethene (PCE)	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
trans-1,2-DCE	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
trans-1,3-Dichloropropene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,2,3-Trichlorobenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,2,4-Trichlorobenzene	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,1,1-Trichloroethane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,1,2-Trichloroethane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Trichloroethene (TCE)	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Trichlorofluoromethane	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
1,2,3-Trichloropropane	ND	40		µg/L	20	3/29/2021 8:45:17 PM	A76302
Vinyl chloride	ND	20		µg/L	20	3/29/2021 8:45:17 PM	A76302
Xylenes, Total	930	30		µg/L	20	3/29/2021 8:45:17 PM	A76302
Surr: 1,2-Dichloroethane-d4	98.6	70-130		%Rec	20	3/29/2021 8:45:17 PM	A76302
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	20	3/29/2021 8:45:17 PM	A76302
Surr: Dibromofluoromethane	107	70-130		%Rec	20	3/29/2021 8:45:17 PM	A76302
Surr: Toluene-d8	101	70-130		%Rec	20	3/29/2021 8:45:17 PM	A76302

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: RW-4

Project: Former Y Station

Collection Date: 3/20/2021 6:20:00 PM

Lab ID: 2103A89-016

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	7.4	0.95		µg/L	100	4/2/2021 1:37:48 PM	59140
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	3000	50		µg/L	50	3/29/2021 9:13:49 PM	A76302
Toluene	1100	50		µg/L	50	3/29/2021 9:13:49 PM	A76302
Ethylbenzene	200	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,2,4-Trimethylbenzene	93	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,3,5-Trimethylbenzene	27	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,2-Dichloroethane (EDC)	41	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,2-Dibromoethane (EDB)	12	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Naphthalene	35	10		µg/L	5	3/29/2021 9:42:20 PM	A76302
1-Methylnaphthalene	ND	20		µg/L	5	3/29/2021 9:42:20 PM	A76302
2-Methylnaphthalene	ND	20		µg/L	5	3/29/2021 9:42:20 PM	A76302
Acetone	86	50		µg/L	5	3/29/2021 9:42:20 PM	A76302
Bromobenzene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Bromodichloromethane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Bromoform	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Bromomethane	ND	15		µg/L	5	3/29/2021 9:42:20 PM	A76302
2-Butanone	78	50		µg/L	5	3/29/2021 9:42:20 PM	A76302
Carbon disulfide	ND	50		µg/L	5	3/29/2021 9:42:20 PM	A76302
Carbon Tetrachloride	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Chlorobenzene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Chloroethane	ND	10		µg/L	5	3/29/2021 9:42:20 PM	A76302
Chloroform	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Chloromethane	ND	15		µg/L	5	3/29/2021 9:42:20 PM	A76302
2-Chlorotoluene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
4-Chlorotoluene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
cis-1,2-DCE	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/29/2021 9:42:20 PM	A76302
Dibromochloromethane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Dibromomethane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,1-Dichloroethane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,1-Dichloroethene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,2-Dichloropropane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: RW-4

Project: Former Y Station

Collection Date: 3/20/2021 6:20:00 PM

Lab ID: 2103A89-016

Matrix: AQUEOUS

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,3-Dichloropropane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
2,2-Dichloropropane	ND	10		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,1-Dichloropropene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Hexachlorobutadiene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
2-Hexanone	73	50		µg/L	5	3/29/2021 9:42:20 PM	A76302
Isopropylbenzene	6.3	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
4-Isopropyltoluene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
4-Methyl-2-pentanone	49	25		µg/L	5	3/29/2021 9:42:20 PM	A76302
Methylene Chloride	ND	15		µg/L	5	3/29/2021 9:42:20 PM	A76302
n-Butylbenzene	ND	15		µg/L	5	3/29/2021 9:42:20 PM	A76302
n-Propylbenzene	13	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
sec-Butylbenzene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Styrene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
tert-Butylbenzene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/29/2021 9:42:20 PM	A76302
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
trans-1,2-DCE	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Trichlorofluoromethane	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
1,2,3-Trichloropropane	ND	10		µg/L	5	3/29/2021 9:42:20 PM	A76302
Vinyl chloride	ND	5.0		µg/L	5	3/29/2021 9:42:20 PM	A76302
Xylenes, Total	640	7.5		µg/L	5	3/29/2021 9:42:20 PM	A76302
Surr: 1,2-Dichloroethane-d4	99.8	70-130	%Rec		5	3/29/2021 9:42:20 PM	A76302
Surr: 4-Bromofluorobenzene	92.9	70-130	%Rec		5	3/29/2021 9:42:20 PM	A76302
Surr: Dibromofluoromethane	110	70-130	%Rec		5	3/29/2021 9:42:20 PM	A76302
Surr: Toluene-d8	100	70-130	%Rec		5	3/29/2021 9:42:20 PM	A76302

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: Trip Blank

Project: Former Y Station

Collection Date:

Lab ID: 2103A89-017

Matrix: TRIP BLANK

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB							Analyst: JME
1,2-Dibromoethane	ND	0.0094		µg/L	1	4/2/2021 12:07:33 PM	59140
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Toluene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Ethylbenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Naphthalene	ND	2.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1-Methylnaphthalene	ND	4.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
2-Methylnaphthalene	ND	4.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Acetone	ND	10		µg/L	1	3/29/2021 10:39:36 PM	A76302
Bromobenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Bromodichloromethane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Bromoform	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Bromomethane	ND	3.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
2-Butanone	ND	10		µg/L	1	3/29/2021 10:39:36 PM	A76302
Carbon disulfide	ND	10		µg/L	1	3/29/2021 10:39:36 PM	A76302
Carbon Tetrachloride	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Chlorobenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Chloroethane	ND	2.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Chloroform	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Chloromethane	ND	3.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
2-Chlorotoluene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
4-Chlorotoluene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
cis-1,2-DCE	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Dibromochloromethane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Dibromomethane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,1-Dichloroethane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,1-Dichloroethene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,2-Dichloropropane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302

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

Qualifiers:	*	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 2103A89

Date Reported: 4/6/2021

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: Trip Blank

Project: Former Y Station

Collection Date:

Lab ID: 2103A89-017

Matrix: TRIP BLANK

Received Date: 3/23/2021 1:48:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
1,3-Dichloropropane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
2,2-Dichloropropane	ND	2.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,1-Dichloropropene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Hexachlorobutadiene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
2-Hexanone	ND	10		µg/L	1	3/29/2021 10:39:36 PM	A76302
Isopropylbenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
4-Isopropyltoluene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
4-Methyl-2-pentanone	ND	10		µg/L	1	3/29/2021 10:39:36 PM	A76302
Methylene Chloride	ND	3.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
n-Butylbenzene	ND	3.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
n-Propylbenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
sec-Butylbenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Styrene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
tert-Butylbenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
trans-1,2-DCE	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Trichlorofluoromethane	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Vinyl chloride	ND	1.0		µg/L	1	3/29/2021 10:39:36 PM	A76302
Xylenes, Total	ND	1.5		µg/L	1	3/29/2021 10:39:36 PM	A76302
Surr: 1,2-Dichloroethane-d4	94.0	70-130		%Rec	1	3/29/2021 10:39:36 PM	A76302
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	3/29/2021 10:39:36 PM	A76302
Surr: Dibromofluoromethane	109	70-130		%Rec	1	3/29/2021 10:39:36 PM	A76302
Surr: Toluene-d8	101	70-130		%Rec	1	3/29/2021 10:39:36 PM	A76302

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

Qualifiers:	*	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		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: MB-58946	SampType: MBLK	TestCode: EPA Method 8011/504.1: EDB								
Client ID: PBW	Batch ID: 58946	RunNo: 76228								
Prep Date: 3/25/2021	Analysis Date: 3/25/2021	SeqNo: 2698728 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.010								

Sample ID: MB-58946	SampType: MBLK	TestCode: EPA Method 8011/504.1: EDB								
Client ID: PBW	Batch ID: 58946	RunNo: 76228								
Prep Date: 3/25/2021	Analysis Date: 3/25/2021	SeqNo: 2698729 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.010								

Sample ID: LCS-58946	SampType: LCS	TestCode: EPA Method 8011/504.1: EDB								
Client ID: LCSW	Batch ID: 58946	RunNo: 76228								
Prep Date: 3/25/2021	Analysis Date: 3/25/2021	SeqNo: 2698730 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.12	0.010	0.1000	0	118	70	130			

Sample ID: 2103A89-003BMS	SampType: MS	TestCode: EPA Method 8011/504.1: EDB								
Client ID: BW-7R	Batch ID: 58946	RunNo: 76234								
Prep Date: 3/25/2021	Analysis Date: 3/26/2021	SeqNo: 2699349 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.083	0.0095	0.09459	0	88.0	65	135			

Sample ID: 2103A89-003BMSD	SampType: MSD	TestCode: EPA Method 8011/504.1: EDB								
Client ID: BW-7R	Batch ID: 58946	RunNo: 76234								
Prep Date: 3/25/2021	Analysis Date: 3/26/2021	SeqNo: 2699350 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.10	0.0094	0.09434	0	108	65	135	19.8	20	

Sample ID: MB-59140	SampType: MBLK	TestCode: EPA Method 8011/504.1: EDB								
Client ID: PBW	Batch ID: 59140	RunNo: 76413								
Prep Date: 4/2/2021	Analysis Date: 4/2/2021	SeqNo: 2706344 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.010								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: MB-59140	SampType: MBLK	TestCode: EPA Method 8011/504.1: EDB								
Client ID: PBW	Batch ID: 59140	RunNo: 76413								
Prep Date: 4/2/2021	Analysis Date: 4/2/2021	SeqNo: 2706345	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.010								

Sample ID: LCS-59140	SampType: LCS	TestCode: EPA Method 8011/504.1: EDB								
Client ID: LCSW	Batch ID: 59140	RunNo: 76413								
Prep Date: 4/2/2021	Analysis Date: 4/2/2021	SeqNo: 2706346	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.11	0.010	0.1000	0	114	70	130			

Sample ID: LCSD-59140	SampType: LCSD	TestCode: EPA Method 8011/504.1: EDB								
Client ID: LCSS02	Batch ID: 59140	RunNo: 76413								
Prep Date: 4/2/2021	Analysis Date: 4/2/2021	SeqNo: 2706347	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.12	0.010	0.1000	0	117	70	130	2.45	20	

Qualifiers:

- | | |
|---|---|
| * 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 | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: 100ng lcs		SampType: LCS		TestCode: EPA Method 8260B: VOLATILES						
Client ID: LCSW		Batch ID: C76263		RunNo: 76263						
Prep Date:		Analysis Date: 3/26/2021		SeqNo: 2700435			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	70	130			
Toluene	20	1.0	20.00	0	98.2	70	130			
Chlorobenzene	19	1.0	20.00	0	94.1	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	93.4	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	98.9	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		104	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	9.7		10.00		96.9	70	130			

Sample ID: mb2		SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW		Batch ID: C76263		RunNo: 76263						
Prep Date:		Analysis Date: 3/26/2021		SeqNo: 2700449			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: mb2	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: C76263	RunNo: 76263								
Prep Date:	Analysis Date: 3/26/2021	SeqNo: 2700449	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: mb2	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: C76263	RunNo: 76263								
Prep Date:	Analysis Date: 3/26/2021	SeqNo: 2700449			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		103	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		105	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: A76266	RunNo: 76266								
Prep Date:	Analysis Date: 3/26/2021	SeqNo: 2700496			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	70	130			
Toluene	20	1.0	20.00	0	98.2	70	130			
Chlorobenzene	19	1.0	20.00	0	96.7	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	97.4	70	130			
Trichloroethene (TCE)	18	1.0	20.00	0	90.4	70	130			
Surr: 1,2-Dichloroethane-d4	9.1		10.00		90.7	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		95.3	70	130			
Surr: Dibromofluoromethane	9.6		10.00		95.8	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: A76266	RunNo: 76266								
Prep Date:	Analysis Date: 3/26/2021	SeqNo: 2700497			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: A76266	RunNo: 76266								
Prep Date:	Analysis Date: 3/26/2021	SeqNo: 2700497			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES							
Client ID: PBW	Batch ID: A76266		RunNo: 76266							
Prep Date:	Analysis Date: 3/26/2021		SeqNo: 2700497		Units: µg/L					
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.7		10.00		87.0	70	130			
Surr: 4-Bromofluorobenzene	9.2		10.00		92.2	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: 100ng lcs4	SampType: LCS		TestCode: EPA Method 8260B: VOLATILES							
Client ID: LCSW	Batch ID: C76297		RunNo: 76297							
Prep Date:	Analysis Date: 3/29/2021		SeqNo: 2701608		Units: µg/L					
Benzene	22	1.0	20.00	0	112	70	130			
Toluene	20	1.0	20.00	0	100	70	130			
Chlorobenzene	19	1.0	20.00	0	94.5	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	114	70	130			
Trichloroethene (TCE)	22	1.0	20.00	0	109	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		103	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		93.0	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.3		10.00		93.4	70	130			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES							
Client ID: PBW	Batch ID: C76297		RunNo: 76297							
Prep Date:	Analysis Date: 3/29/2021		SeqNo: 2701609		Units: µg/L					
Benzene	ND	1.0								
Toluene	ND	1.0								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: C76297	RunNo: 76297								
Prep Date:	Analysis Date: 3/29/2021	SeqNo: 2701609	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								

Qualifiers:

- | | |
|---|---|
| * 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 | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES							
Client ID: PBW	Batch ID: C76297		RunNo: 76297							
Prep Date:	Analysis Date: 3/29/2021		SeqNo: 2701609		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.7		10.00		97.0	70	130			

Sample ID: 100ng lcs	SampType: LCS		TestCode: EPA Method 8260B: VOLATILES							
Client ID: LCSW	Batch ID: A76302		RunNo: 76302							
Prep Date:	Analysis Date: 3/29/2021		SeqNo: 2701814		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	70	130			
Toluene	19	1.0	20.00	0	93.6	70	130			
Chlorobenzene	19	1.0	20.00	0	92.6	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	99.3	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	92.9	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: A76302	RunNo: 76302								
Prep Date:	Analysis Date: 3/29/2021	SeqNo: 2701814 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.0	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		94.5	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.7	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: A76302	RunNo: 76302								
Prep Date:	Analysis Date: 3/29/2021	SeqNo: 2701815 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: A76302	RunNo: 76302								
Prep Date:	Analysis Date: 3/29/2021	SeqNo: 2701815			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.7	70	130			
Surr: Dibromofluoromethane	11		10.00		112	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: A76302	RunNo: 76302								
Prep Date:	Analysis Date: 3/29/2021	SeqNo: 2701815	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID: 2103a89-014ams	SampType: MS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: RW-1	Batch ID: A76302	RunNo: 76302								
Prep Date:	Analysis Date: 3/29/2021	SeqNo: 2701820	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2800	2.0	40.00	2829	-12.7	70	130			ES
Toluene	670	2.0	40.00	708.0	-92.0	70	130			ES
Chlorobenzene	38	2.0	40.00	0	95.7	70	130			
1,1-Dichloroethene	36	2.0	40.00	0	91.1	70	130			
Trichloroethene (TCE)	38	2.0	40.00	0	95.8	70	130			
Surr: 1,2-Dichloroethane-d4	19		20.00		94.8	70	130			
Surr: 4-Bromofluorobenzene	18		20.00		90.6	70	130			
Surr: Dibromofluoromethane	19		20.00		96.5	70	130			
Surr: Toluene-d8	20		20.00		99.3	70	130			

Sample ID: 2103a89-014amsd	SampType: MSD	TestCode: EPA Method 8260B: VOLATILES								
Client ID: RW-1	Batch ID: A76302	RunNo: 76302								
Prep Date:	Analysis Date: 3/29/2021	SeqNo: 2701821	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2800	2.0	40.00	2829	-168	70	130	2.23	20	ES
Toluene	700	2.0	40.00	708.0	-26.7	70	130	3.81	20	ES
Chlorobenzene	37	2.0	40.00	0	92.2	70	130	3.77	20	
1,1-Dichloroethene	37	2.0	40.00	0	92.9	70	130	2.03	20	
Trichloroethene (TCE)	35	2.0	40.00	0	88.2	70	130	8.26	20	
Surr: 1,2-Dichloroethane-d4	20		20.00		102	70	130	0	0	
Surr: 4-Bromofluorobenzene	18		20.00		90.7	70	130	0	0	
Surr: Dibromofluoromethane	18		20.00		88.8	70	130	0	0	
Surr: Toluene-d8	21		20.00		104	70	130	0	0	

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: A76341	RunNo: 76341								
Prep Date:	Analysis Date: 3/30/2021	SeqNo: 2703226	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.9		10.00		98.5	70	130			
Surr: 4-Bromofluorobenzene	9.0		10.00		89.6	70	130			
Surr: Dibromofluoromethane	9.7		10.00		97.2	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103A89

06-Apr-21

Client: Daniel B. Stephens & Assoc.

Project: Former Y Station

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch ID: A76341	RunNo: 76341								
Prep Date:	Analysis Date: 3/30/2021	SeqNo: 2703226	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Toluene-d8	10		10.00		99.6	70	130			

Sample ID: vsb fridge	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch ID: A76341	RunNo: 76341								
Prep Date:	Analysis Date: 3/30/2021	SeqNo: 2703227	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	9.0		10.00		89.9	70	130			
Surr: Dibromofluoromethane	11		10.00		105	70	130			
Surr: Toluene-d8	9.9		10.00		99.2	70	130			

Qualifiers:

- | | |
|---|---|
| * 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 | |

Sample Log-In Check List

Client Name: **Daniel B. Stephens & Assoc.**

Work Order Number: **2103A89**

RcptNo: 1

Received By: **Scott Anderson** 3/23/2021 1:48:00 PM

Completed By: **Sean Livingston** 3/23/2021 1:53:13 PM

Reviewed By: *SPA 3.23.21*

Sean Livingston

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? Yes No NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
10. Were any sample containers received broken? Yes No
11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH:
(≤2 or >12 unless noted)
Adjusted?
Checked by: *WC 3/23/21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	6.3	Good				

Chain-of-Custody Record

Client: DBS, A

Mailing Address:

Phone #: 505-249-9402

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other _____
 EDD (Type) _____

Turn-Around Time:

Standard Rush

Project Name:
Former V Station

Project #:
DB18.1157.00.GWM20,2004

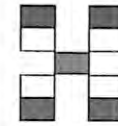
Project Manager:
T. Golden

Sampler:
On Ice: Yes No

of Coolers: 1
Cooler Temp (including CF): 6.4-0.1=6.3 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
<u>3/20/21</u>	<u>1125</u>	<u>GW</u>	<u>MW-17</u> ✓	<u>5VOA</u>	<u>Varies</u>	<u>013</u>
<u>3/21/21</u>	<u>1050</u>	<u>↓</u>	<u>RW-1</u> ✓	<u>↓</u>	<u>↓</u>	<u>014</u>
<u>"</u>	<u>0950</u>	<u>↓</u>	<u>RW-3</u> ✓	<u>↓</u>	<u>↓</u>	<u>015</u>
<u>3/20/21</u>	<u>1820</u>	<u>↓</u>	<u>RW-4</u> ✓	<u>↓</u>	<u>↓</u>	<u>016</u>
	<u>LAB</u>		<u>Trip Blank</u> ✓	<u>3VOA</u>	<u>Varies</u>	<u>017</u>

Yael May



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA) <u>8260B</u>	8270 (Semi-VOA)	Total Coliform (Present/Absent)
			X				X		
			X				X		
			X				X		
			X				X		
							X		

Date: 3/23/21 Time: 1345 Relinquished by: Yael May

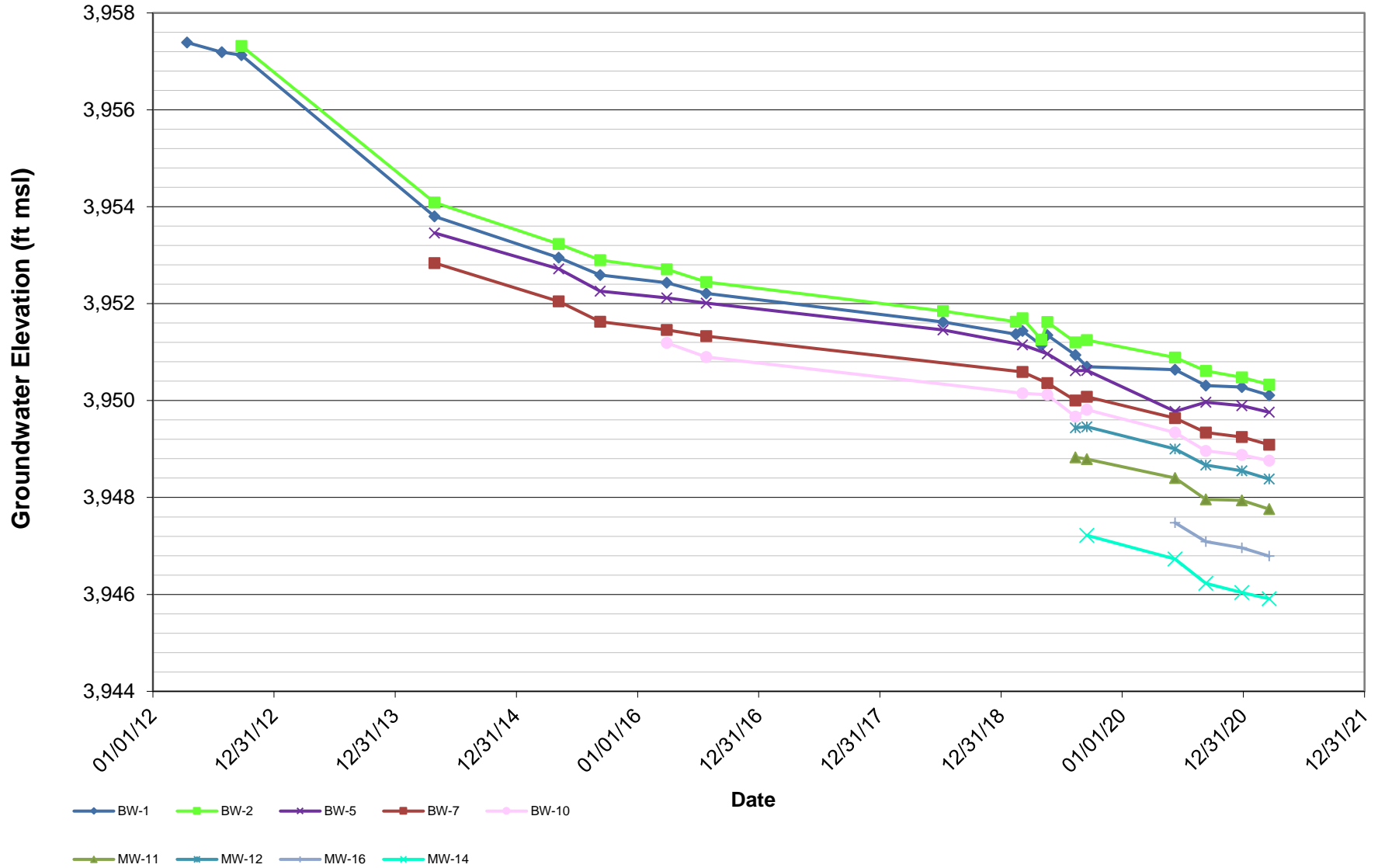
Received by: SPA CDO Via: _____ Date: 3.23.21 Time: 13:48

Remarks: Page 2 of 2

Appendix D
Time-Series Graphs

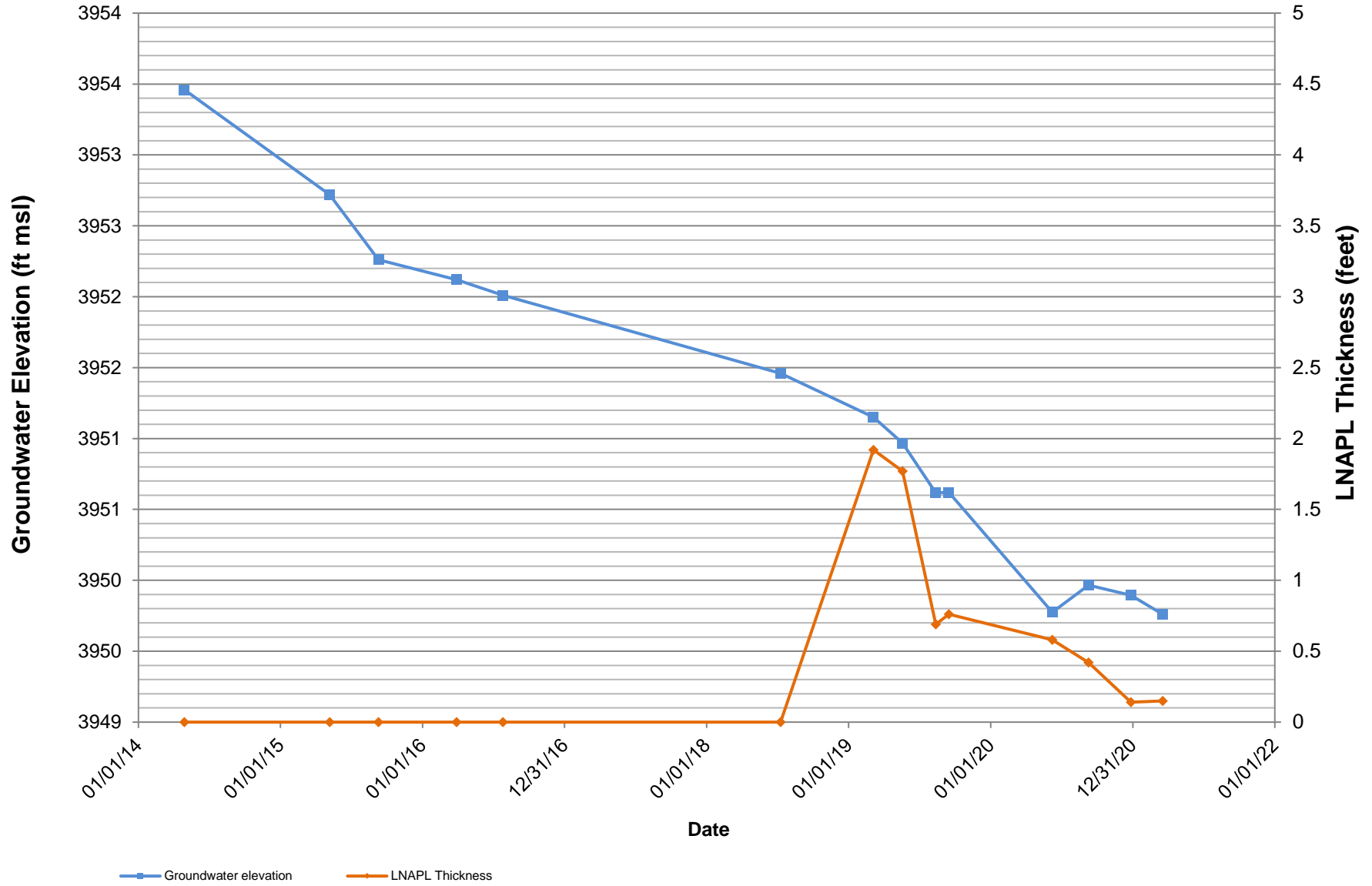
Groundwater Elevations

Former Y Station State Lead Site, Clovis, New Mexico



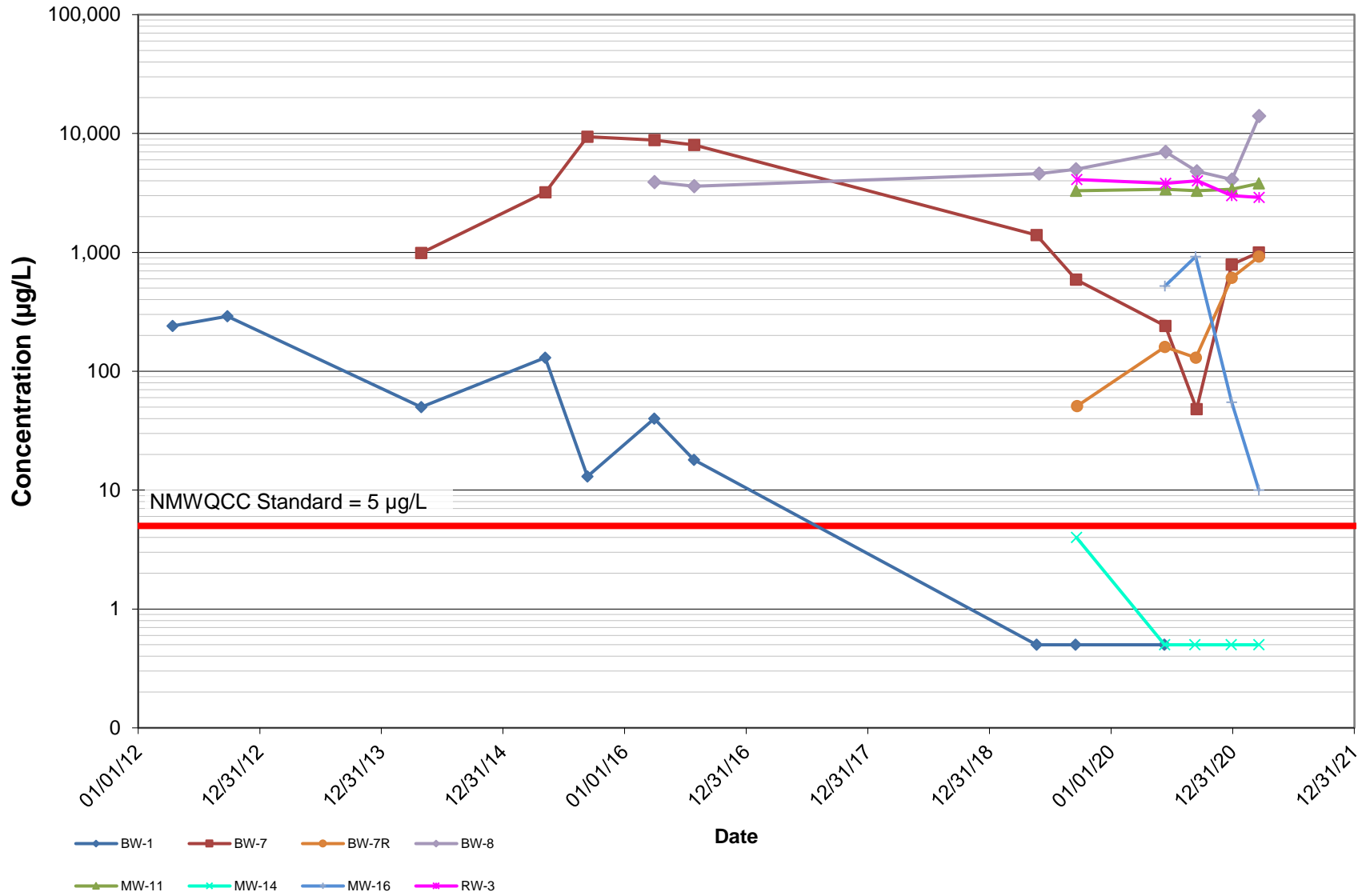
BW-5 Fluid Levels

Former Y Station State Lead Site, Clovis, New Mexico



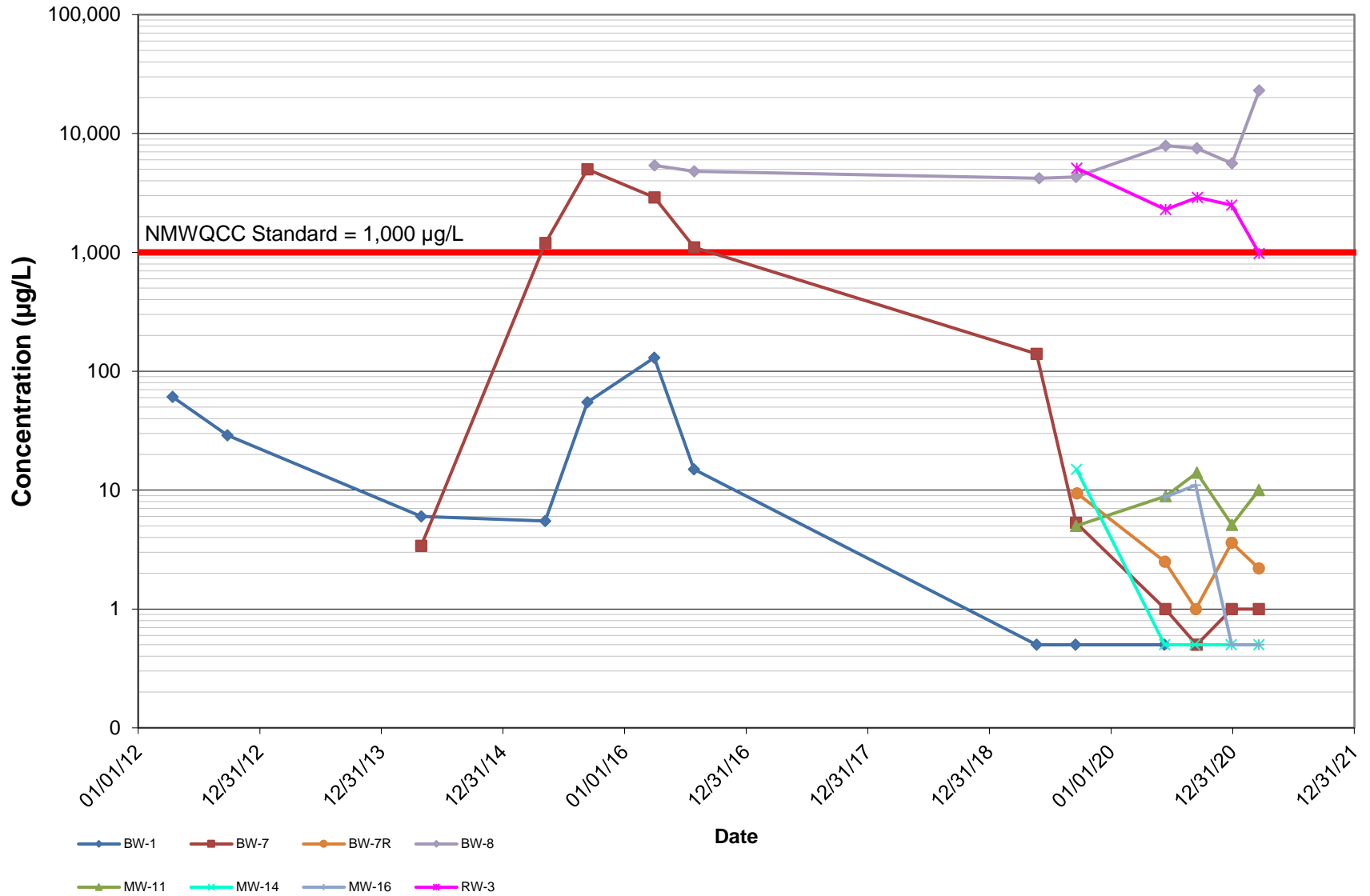
Benzene Concentrations

Former Y Station State Lead Site, Clovis, New Mexico



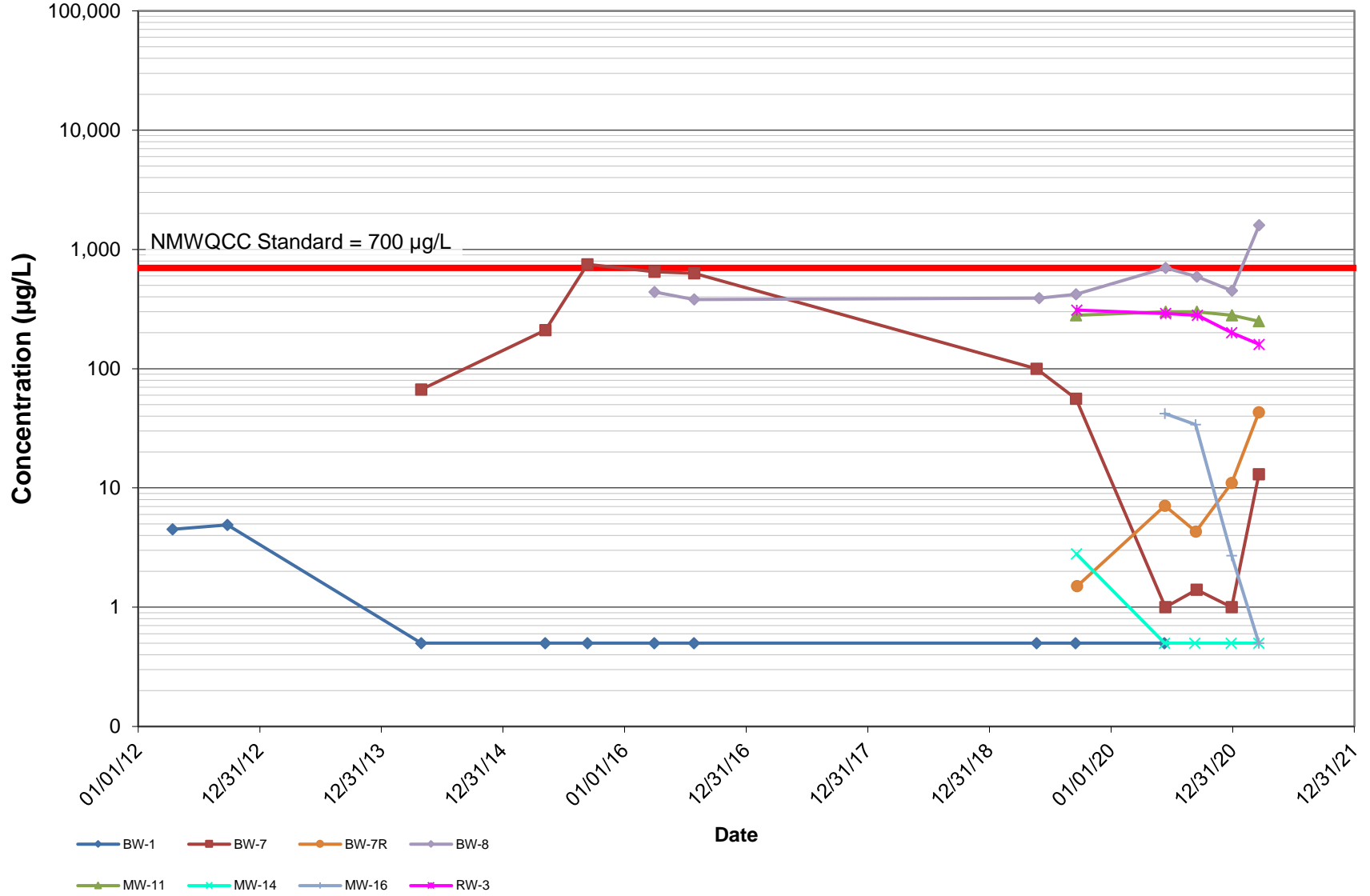
Toluene Concentrations

Former Y Station State Lead Site, Clovis, New Mexico



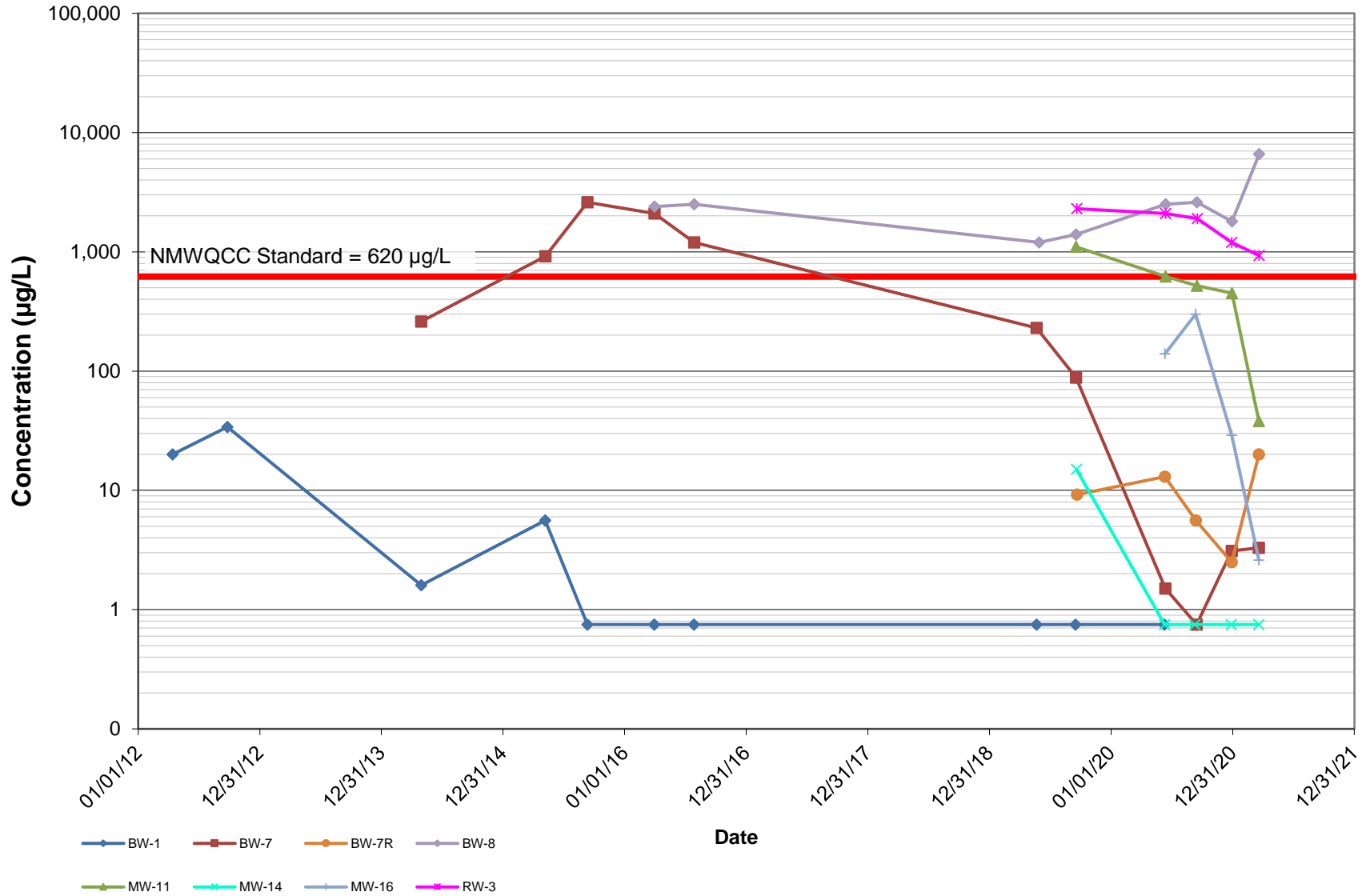
Ethylbenzene Concentrations

Former Y Station State Lead Site, Clovis, New Mexico



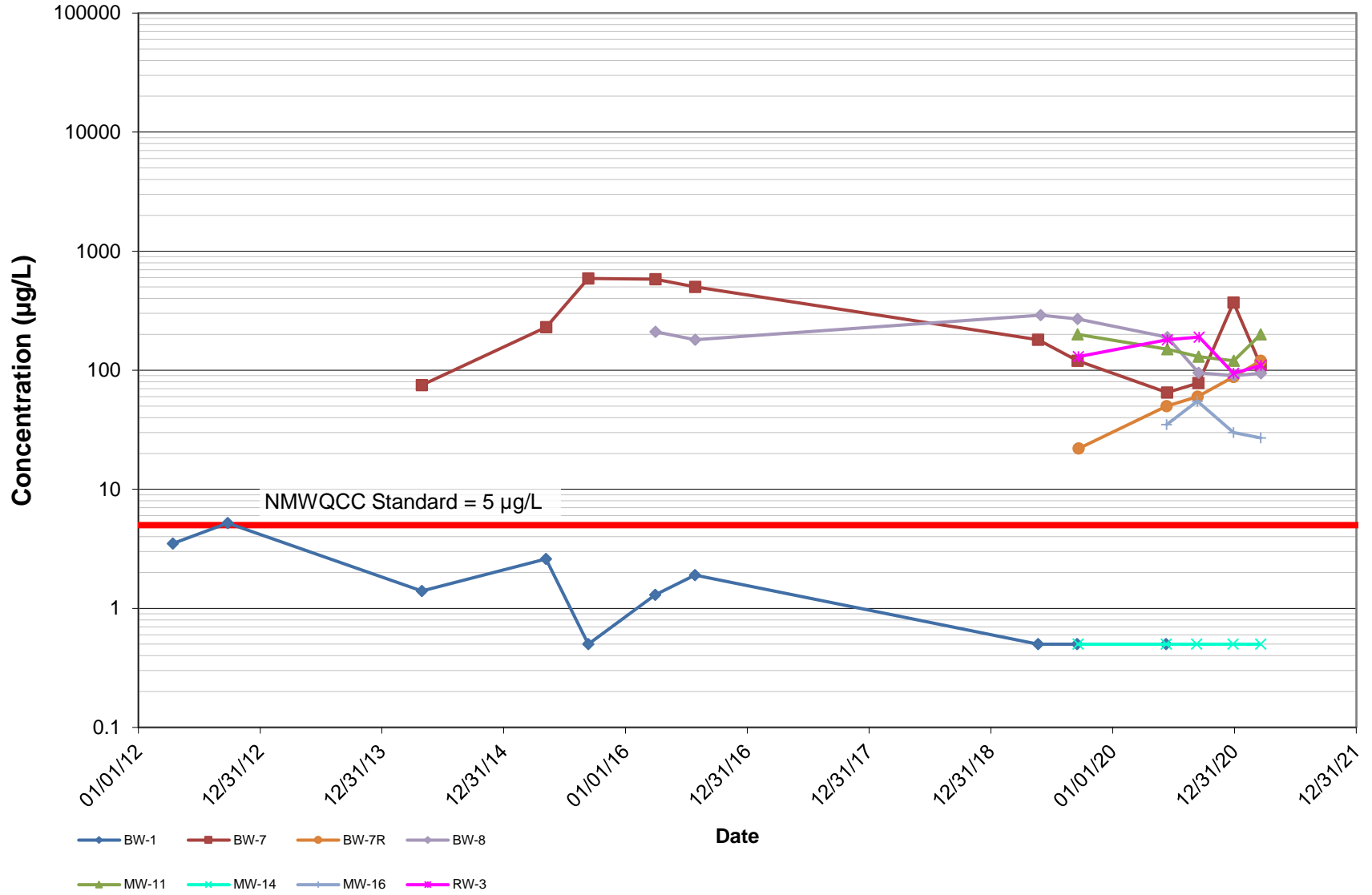
Total Xylene Concentrations

Former Y Station State Lead Site, Clovis, New Mexico



EDC Concentrations

Former Y Station State Lead Site, Clovis, New Mexico



Total Naphthalene Concentrations

Former Y Station State Lead Site, Clovis, New Mexico

