



May 8, 2020

Ms. Hannah Phillips
Colorado Department of Labor and Employment
Division of Oil and Public Safety - Remediation Section
633 17th Street, Suite 500
Denver, Colorado 80202-3610

Subject: Monitoring and Remediation Report; Fourth Quarter 2019 and First Quarter 2020
Former Pik Kwik (now known as Harris Park Site IV)
7301 Lowell Boulevard (now known as 7305 Lowell Boulevard)
Westminster, Colorado 80030
OPS Event ID No. 1989
CGRS Project No. 1-996-9541ae

Dear Ms. Phillips:

The attached MRR documents fourth quarter 2019 and first quarter 2020 PetroFix™ injection and groundwater and soil vapor monitoring activities performed by CGRS at the above-referenced site. Work documented in this report was performed according to OPS Task Order Number 1231 dated October 17, 2019, with a performance end date of November 30, 2020. The purpose of this narrative is to present the CSM and to evaluate the current monitoring data relative to the CSM.



Introduction/Site Background

The following is a summary of major events associated with the release that occurred at the site as well as assessment activities and other background information:

- The original facility operated as a retail gas station from circa 1976 to 1992.
- On August 28, 1992, two 8,000-gallon, steel USTs, product piping, and dispensers were removed. The USTs had no cathodic protection and had extensive corrosion with one to two-inch diameter holes on the ends and bottoms of the tanks. Therefore, the source of the release is the former USTs and the product released was gasoline.
- A confirmed release was reported on September 15, 1992, based upon soil analytical data. It appears that the excavated soil was placed back in the tank basin and covered with imported backfill.
- At some point between 1992 and 1997, the former gas station building was expanded and operated as a bowling alley.
- In July 2002, CGRS became the State Lead contractor for this project.
- In February and March 2014, CGRS spoke with Tony Chacon with the City of Westminster. Mr. Chacon stated that the structures located on the properties south of the former Vehicle Service Center property (the

Vehicle Service Center is located directly south of the subject site, across West 73rd Avenue) would be demolished in the next few months. However, the demolition work was not anticipated to impact the existing monitoring wells. The former Vehicle Service Center building remains intact at this time and the redevelopment of the property is proceeding.

- On June 9, 2015, CGRS was informed by Dave Downing, City Engineer for the City of Westminster, that the buildings south of the former Vehicle Service Center (except for 7265, 7267, and 7269 Lowell Boulevard) would be demolished at the end of July 2015. In November 2015, CGRS confirmed the buildings were demolished.
- In November 2015, CGRS researched the following resources to determine if a gas station was formerly located at 7287 Lowell Boulevard:
 - Colorado Aerial: An aerial photograph dated April 29, 1965, shows what appears to be four dispensers in the northeast section of the property.
 - EDR Certified Sanborn® Map Report: EDR did not have any Sanborn® maps for 7287 Lowell Boulevard.
 - The EDR-City Directory Image Report: The oldest directory that EDR could locate was from 1972 and did not list 7287 Lowell Boulevard.



Summary of Contaminants

Soil Contamination Characteristics

When the UST systems were removed, soil samples were collected from the excavation at six locations immediately beneath the USTs. Since then, numerous soil borings were installed across the site and the soil samples were analyzed for BTEX and TVPH. The following table summarizes the petroleum hydrocarbon impacts in soil that exceeded the Tier 1 RBSLs and/or TPH-TLV:

Sample Location	Date	Sample Depth	Vertical Interval	Benzene (mg/kg)	TVPH (mg/kg)
MW-02	02/25/97	14.0	saturated	0.40	21.0
MW-03	02/25/97	15.0	saturated	0.37	32.0
MW-04	02/25/97	16.0	saturated	3.10	97.0
SB-06	07/17/15	20.0	saturated	0.201	1864
SB-09	07/17/15	18.5	saturated	2.33	1772
SB-10	07/17/15	18.0	saturated	0.276	45.5
Tank 1 M	09/01/92	~10	smear	4.80	2800
Tank 1 S	09/01/92	~10	smear	3.30	2000
Tank 2 S	09/01/92	~10	smear	<0.002	790

Bolded values exceed the Tier 1 RBSLs and TPH-TLV.

These soil borings are located onsite and offsite at 7287 Lowell Boulevard. According to the laboratory results in the above table, the petroleum hydrocarbon impacts in soil are in the smear and saturated zones.

The vadose zone soils generally consist of silty clay to clay. It does not appear that there are petroleum hydrocarbon impacts to soil in the vadose zone.

The smear zone soils generally consist of clay to sandy clay. Smear zone impacts occur on-site and extend into the property located at 7287 Lowell Boulevard (south of W. 73rd Avenue). Based on TVPH concentrations obtained from smear zone soil samples collected from the site, it is estimated that approximately 5,918 pounds of petroleum hydrocarbons were retained in the soil within the petroleum hydrocarbon plume prior to initiation of remediation. It is estimated that there are approximately 465 pounds of petroleum hydrocarbons sorbed to the smear zone soils [5,918 - 1,557 - 3,896 = 465], which equates to approximately 75 gallons. It appears that the smear zone soils facilitate mass storage and transport. The contaminant mass calculations are included as supporting documents in the MRR.

In the upper saturated zone to approximately 25 feet, the soil general consists of clay to sand to gravelly sand. Bedrock was encountered at depths ranging between 16 and 22 feet on off-site properties. Based on TVPH concentrations obtained from saturated soil samples collected from the site, it is estimated that approximately 124 pounds, which equates to approximately 20 gallons, of petroleum hydrocarbons were retained in the soil within the petroleum hydrocarbon plume subsequent to mechanical remediation. It appears that the saturated zone soils facilitate mass storage and transport. The contaminant mass calculations are included as supporting documents in the MRR.

Saturated zone petroleum hydrocarbon impacts extend beyond the release area in a southerly direction, crossing the south property boundary of the subject site and impacting the City of Westminster's property located at 7287 Lowell Boulevard (south of W. 73rd Avenue). The vertical separation between the buried utilities and the dissolved petroleum hydrocarbon plume and soil impacts ranges from approximately three to eight feet. Therefore, it does not appear that subsurface utilities have been impacted by the petroleum hydrocarbon release. In addition, it does not appear that structures, groundwater wells, surface water, or sensitive environments have been impacted by the release.

Groundwater Contamination Characteristics

Currently, there are ethylbenzene concentrations in groundwater that exceed the Tier 1 RBSL on-site. The benzene plume extended from approximately 25 feet northeast of well SVE-04 (on-site) to approximately five feet south of well MW-22 (off-site) in the third quarter 2019 groundwater sampling event which was conducted before the PetroFix™ injection event performed in September 2019. Following the PetroFix™ injection event, the benzene plume has diminished and currently is non-existent. The geologic cross section A-A' suggests a permeable zone of gravelly sand to clayey sand occurring in the saturated zone and extending from approximately the north property boundary of 7287 Lowell Boulevard south (downgradient) to beyond well MW-12. The transverse geologic cross section B-B' created from soil borings extending from well MW-20 to MW-18 suggests that well-sorted and poorly-sorted sands extend in an easterly direction from MW-20 to beyond MW-18. It appears that this zone of sand serves as a preferential pathway for the apparent cross-gradient migration of petroleum hydrocarbons to wells MW-18 and MW-20.

In August 2003, three slug tests were performed and the hydraulic conductivity of the aquifer underlying the site was measured, as a geometric mean, at approximately 0.12 ft/day (4.27×10^{-5} cm/sec). The historic average depth to groundwater on-site is 8.8 feet and off-site is 15.6 feet below top of well casing (TOC). The seasonal fluctuations

in groundwater range from 1.1 to 8.5 feet. The historic inferred direction of groundwater flow is to the south. The average hydraulic gradient was calculated at approximately 0.0340 ft/ft. The average groundwater flow velocity is estimated to be approximately 0.02 ft/day.

Based on historic data, the smear zone, as calculated as the geometric mean, was a thickness of approximately 2.96 feet across the site. Currently, there is no benzene plume in groundwater. Thus, the benzene plume diminished significantly when compared to pre-PetroFix™ injection analytical data from August 2019. The previous plume dispersion on-site and off-site appears to have confirmed the hydraulic model.

Based on TVPH concentrations obtained from the groundwater data from February 1997, it is estimated that approximately 17 pounds of petroleum hydrocarbons were retained in the groundwater within the petroleum hydrocarbon plume prior to initiation of remediation. Based on groundwater analytical data from the sampling event on March 12, 2020, there was only one TVPH concentration in groundwater that exceeded the laboratory reporting limit. Therefore, mass calculations were not performed this reporting period.

Based on groundwater analytical data from the sampling event on March 12, 2020, there were no benzene concentrations that exceeded the Tier 1 RBSL. Therefore, contaminant mass calculations for benzene were not performed for this reporting period.

It does not appear that structures, groundwater wells, surface water, or sensitive environments have been impacted by the release.

Surficial Soil - Ingestion/Dermal Contact/Inhalation Exposure Pathway (Closed)

Rationale: Investigation has revealed no petroleum hydrocarbon impacts to surficial soils. In addition, hard surfacing (asphalt and concrete pavement) overlying the release isolates the petroleum hydrocarbon impacts and prevents exposure through ingestion, dermal contact, or inhalation of petroleum vapors.

Subsurface Soil – Leachate to Groundwater Ingestion Pathway (Open)

Rationale: There are benzene concentrations that exceed the Tier 1 RBSL and TVPH concentrations that exceed the TPH-TLV in the subsurface soil on-site and off-site at 7287 Lowell Boulevard.

Soil Vapor – Indoor Air Inhalation Exposure Pathway (Closed)

Rationale: On August 31, 2015, soil vapor well VP-01 was completed on the north side of the on-site building adjacent to the former UST basin. The soil vapor well has two vapor probes installed at four feet and seven feet bgs. Benzene concentrations in the soil vapor samples collected from those vapor points have been below the Tier 1 RBSL for four consecutive quarters.

On May 3, 2017, soil vapor well VP-03 was completed on the east side of the building located at 7287 Lowell Boulevard. The benzene concentrations in the soil vapor samples for well VP-03 at ten feet have been below the Tier 1 RBSL for ten consecutive quarters. On July 13, 2017, soil vapor well VP-02 was completed south of the on-site building. The benzene concentrations in the soil vapor samples for well VP-02 at six feet have been below the Tier 1 RBSL for ten consecutive quarters. Therefore, it appears that this pathway is closed.

Groundwater – Indoor Air Inhalation/Enclosed Space Vapors Exposure Pathway (Closed)

Rationale: Currently, the benzene concentrations in groundwater samples do not exceed the Tier 1 RBSL for this pathway. Additionally, the ITRC petroleum vapor intrusion screening criteria indicate that the vapor intrusion pathway can be eliminated if the vertical separation between the dissolved plume and the bottom of the foundation of an inhabited structure is greater than five feet. The vertical separation between the previous dissolved hydrocarbon plume and the bottom of the finished floor foundation of the on-site commercial building overlying the previous plume is approximately 8.8 feet which satisfies that criteria. The vertical separation between the previous dissolved hydrocarbon plume and the bottom of the finished floor foundation of the off-site building overlying the previous plume is approximately 15.6 feet which satisfies that criteria. Also, the off-site building is vacant. Thus, the “Groundwater – Indoor Air Inhalation/Enclosed Space Vapors” exposure pathway qualifies for closure.

Groundwater – Ingestion Exposure Pathway (Open)

Rationale: Currently, the benzene concentrations in groundwater do not exceed the Tier 1 RBSL. However, the ethylbenzene concentration in the groundwater sample from well SVE-05 located on-site exceeds the Tier 1 RBSL. On December 13, 2016, OPS eliminated the MTBE exposure pathway based on the RISC5 analytical fate and transport models to predict MTBE SSTLs.

Points of Exposure**Property Boundary**

The Property Boundary POE has been impacted. The inferred areas of impacted subsurface soil and groundwater cross the south property boundary of the site and extend downgradient in a southerly direction across the off-site property boundary. The impacted off-site property is listed in the Pathways and Receptors Table of the MRR and depicted on the POE Location, Soil Sample, and Groundwater Sample Figures included in the MRR.

Surficial Soils

As described above, observations made during subsurface explorations (e.g. PID readings) indicated the absence of petroleum hydrocarbons within the upper one meter of the subsurface.

Subsurface Utilities

The previous dissolved petroleum hydrocarbon plume did not appear to intersect buried utilities in the area. The average depth to water on-site is approximately 8.8 feet and off-site is approximately 15.6 feet. The buried utilities crossing the previous plume are above the average depth to water on-site and off-site.

Structures

The north portion of the previous dissolved benzene plume underlies the south portion of the on-site building. The on-site building is on public drinking water and the benzene concentrations in the soil vapor samples from well VP-02 are below the laboratory RL. A portion of the previous dissolved benzene plume underlies the southeast portion of the building located at 7287 Lowell Boulevard. This building is unoccupied. There does not appear to be petroleum hydrocarbon impacts to these structures resulting from the release.

Groundwater Wells, Surface Water, and Sensitive Environments

Little Dry Creek is located approximately 580 meters downgradient from well MW-12. CGRS contacted Kelly Klein with the City of Westminster – Water Quality Division, who stated that Little Dry Creek is not a drinking water source for humans. Little Dry Creek serves as a storm water receptor. Little Dry Creek is not impacted by the subject release. BTEX concentrations in groundwater samples collected from downgradient point of compliance well MW-12

located between the release area and Little Dry Creek has historically been below the respective Tier 1 RBSLs since August 25, 2015.

There are nine domestic and municipal water wells located within 2,500 feet of the release. However, all of these wells are located crossgradient from the release and range in distance from 800 to 2,450 feet from the site. These wells are not impacted by the release.

Little Dry Creek is the only apparent sensitive environment located downgradient from the release. As described above, there are no apparent impacts to Little Dry Creek or other sensitive environments.

Site Specific Target Levels (SSTLs)

On February 5 and April 18, 2019, CGRS performed fate and transport modeling using RISC5 to evaluate SSTLs for dissolved phase benzene concentrations in groundwater protective to the nearest downgradient POE (the south property boundaries near wells MW-12 and MW-02A) and point of compliance groundwater monitoring well MW-01A. The SSTLs were calculated for source well SVE-04 for which benzene concentrations in groundwater have historically exceeded the Tier 1 RBSL. The following table summarizes the calculated SSTLs. The model input data and calculations are included in the *Model Input and Results* tab of the MRR.

Well ID -- to POC or POE	Distance From POC or POE (feet)	Distance From POC or POE (meters)	Benzene SSTL – Standard Degradation (mg/L)	Benzene SSTL - Zero Degradation (mg/L)
SVE-04 – well MW-01A (downgradient)	~305	~93	67	1.5
SVE-04 – South Property Boundary near well MW-12 (downgradient)	~200	~61	10	0.58
SVE-04 – South Property Boundary near well MW-02A (downgradient)	~426	~130	N/A	3.8

It should be noted that the benzene concentrations in groundwater for wells MW-01A, MW-02A, and MW-12 have not exceeded the Tier 1 RBSL since November 4, 2002, or August 25, 2015 (MW-12). Therefore, it appears that benzene degradation is occurring in the subsurface.

Previous Remedial Actions and Current Corrective Action Plan

In August 2003, CGRS performed two SVE pilot tests on monitoring wells MW-02 and MW-04 to determine the feasibility of SVE as a remediation method, obtain performance data required to design the remediation system, and to determine equipment specifications. Using the vacuum influence detected at the outlying monitoring wells, a calculated estimated effective radius of influence was determined to be approximately 25 feet.

Between March and April 2004, CGRS installed a temporary SVE system at the site. The SVE system was connected to wells MW-01B, MW-02, and MW-04. Approximately 287 yd³ of petroleum hydrocarbon impacted soil was removed from the trenches and disposed at the Denver Regional Landfill. The temporary SVE system operated from April 20, 2004, to May 24, 2005, and removed approximately 1,557 pounds of hydrocarbons as vapor.

In April 2005, CGRS installed an AS pilot test well (AS-1) and performed an AS pilot test. The AS pilot test did not appear to have an impact on wells that were located between 21 and 29 feet from well AS-1. Additionally, an oxygen diffusion system was installed and connected to wells MW-01B, MW-02, and MW-04.

On May 20, 2005, CGRS was notified by OPS that the City of Westminster was ready to develop the subject site. CGRS contacted CET Services, Inc./Community Builders, Inc. (CET), property owner, who stated that CGRS had to remove the SVE/oxygen diffusion systems and remediation shed. Between May and June 2005, CGRS removed the remediation systems and shed from the site. On June 22, 2005, CET notified CGRS that the City of Westminster would be installing a new storm sewer on-site and monitoring well CHMW-3 had to be abandoned. On June 24, 2005, CGRS abandoned monitoring well CHMW-3 in accordance with the Colorado Division of Water Resources, Department of Natural Resources, regulations.

On September 27, 2007, OPS approved the CAP for SVE and oxygen diffusion on-site and off-site at the former Vehicle Service Center. The system installation occurred between November 2006 and November 2007 in conjunction with the construction of a new commercial building on the subject site. Between November 2006 and April 2007, groundwater monitoring wells MW-01, MW-01B, MW-02, and MW-04 were destroyed and approximately 853 yd³ of contaminated soil was excavated on site in preparation for the foundation for the new commercial building. The excavation was approximately 40 feet wide x 110 feet long x 5 feet deep. During the excavation, one 400-gallon, orphan, waste oil UST was removed.

The SVE system is connected to wells SVE-01 through SVE-10 and a horizontal SVE line was installed beneath the floor slab of the new commercial building on-site. The SVE system is designed to operate in twelve-hour intervals alternating between the on-site SVE wells and the off-site SVE wells. The SVE off-gas vapors were initially treated with a 3,000-pound carbon vessel. The SVE system was activated on November 29, 2007, and required a carbon change-out on March 10, 2008. By October 1, 2010, it was determined that carbon vapor treatment was no longer required and on November 18, 2010, the carbon vessel was removed from the site. The oxygen diffusion system is connected to wells SVE-02 through SVE-10 and O-01 through O-13. Operation of the oxygen diffusion system commenced on July 1, 2008.



Between June 10 and 12, 2013, CGRS subcontracted Remington Technologies, LLC (Remington), to perform a chemically oxygenated granular activated carbon (COGAC™) pilot test injection event via direct push in the vicinity of wells SVE-04 and SVE-06 through SVE-10. Thirty-two injection points (IP-1 through IP-6 located on-site and IP-1 through IP-26 located on the former Vehicle Service Center property) were proposed; however, injection point IP-1 on-site was adjacent to a fiber optic line and was not completed. The injectate was comprised of 2,400 gallons of a 12% solution of COGAC™. Injection points IP-2 through IP-6 received approximately 450 gallons of solution and injection points IP-1 through IP-26 received approximately 1,950 gallons of solution for a total of approximately



2,400 gallons. The injection was performed at an average pressure of approximately 26 psi with an average flow rate of approximately 4 gpm. The injection interval ranged between 9 and 17 feet bgs.

On March 26, 2013, the SVE system was found to be inoperable on the former Vehicle Service Center property. Due to the COGAC™ injections and the asymptotic performance of the SVE system, that part of the SVE system has not been investigated or repaired.

On April 29, 2014, the DO concentrations in the groundwater have increased from less than 1 mg/L up to a maximum of 5.61 mg/L in and around the wells that contain the oxygen diffusers. A recent decline in DO levels was believed to be the result of water trapped in the oxygen lines. CGRS replaced the oxygen tubing from the remediation shed to well O-03 on May 30, 2014. DO levels have

not increased at this well following replacement of the tubing and troubleshooting has revealed that the oxygen generator is not working properly. The oxygen generator has not been repaired or replaced and remains off.

Between July 13 and 17, 2015, CGRS performed high resolution site characterization (HRSC) activities at the site via Laser Induced Fluorescence (LIF) and membrane interface probe and hydraulic profiling tool (MiHPT). The LIF system detects petroleum-based NAPLs. The MiHPT system is a combined VOC profiling and hydraulic conductivity profiling tool.

CGRS oversaw the installation of 28 LIF and MiHPT direct push borings (WPK-1 through WPK-28) to depths between approximately 14 and 30 feet bgs. Points WPK-1 through WPK-28 are shown on the LIF-MiHPT Location Figure which is included in the MRR.



Based on the results of the LIF investigation, NAPL was identified in the south portion of Lowell Boulevard near WPK-17 and WPK-18; the east portion of 7287 Lowell Boulevard near WPK-3 through WPK-8, WPK-15, WPK-16, WPK-21, WPK-22, and WPK-23; and the north portion of 7283 Lowell Boulevard near WPK-10. NAPL was detected between 17 and 21 feet across the site and fluoresced similar to gasoline. It appears that the NAPL is located in the saturated zone. Based on benzene concentrations in groundwater for well SVE-04, it appears that there is residual NAPL in the vicinity of well SVE-04.

The 12 MiHPT borings, designated as WPK-9, WPK-10, WPK-11, WPK-16, WPK-19, WPK-20, WPK-21, WPK-23, and WPK-25 through WPK-28, were installed to depths between approximately 20.5 and 24 feet bgs.

The HPT data indicate that fine-grained soils are generally present throughout the site to an average depth of 22.5 feet. However, in some areas the soil is a little more coarse-grained at depths between 17.5 and 21 feet which

correlates with the location of the NAPL. The PID data show that petroleum (as VOCs) impacts are generally observed between 17.5 and 23 feet bgs which correlates with the location of the NAPL. The FID measures methane which is a byproduct of biodegradation of petroleum hydrocarbons. The FID data indicate the possible presence of methane above the groundwater surface. The XSD data indicates the possible presence of chlorinated solvent impacts in the vicinity of WPK-9 and WPK-28 at depths of approximately six to ten feet.

On August 25, 2015, the on-site SVE system was turned off due to the asymptotic performance of the SVE system.

On June 20 and July 18, 2016, CGRS subcontracted Vista GeoScience (Vista) to pothole and backfill 20 injection points for a PersulfOx® injection pilot test. Ten injection points (IP-32 through IP-41) were located in a circle in the vicinity of soil boring SB-6 and ten injection points (IP-27 through IP-31 and IP-42 through IP-46) were located in a circle in the vicinity of soil boring SB-9 located on the former Vehicle Service Center property.

On June 24 and July 22, 2016, CGRS subcontracted Vista to perform the PersulfOx injection pilot test via direct push in the locations that were potholed and backfilled as mentioned above. The injectate was comprised of an average of 1,685 gallons of a 10% solution of PersulfOx for each event. Injection points IP-27 through IP-36 received approximately 1,451 gallons of solution and injection points IP-37 through IP-46 received approximately 1,918 gallons of solution for a total of approximately 3,369 gallons and 3,417 pounds of PersulfOx. The injection was performed at an average pressure of 81.5 psi with an average flow rate of 17.5 gpm. The injection interval ranged between 17 and 21 feet bgs.



While the injections were being performed, CGRS obtained depth to groundwater and MNA measurements from monitoring wells CHMW-01, MW-11, MW-16, O-9, O-10, O-11, O-12, O-13, SVE-07, SVE-08, SVE-09, and SVE-10 that are located in the vicinity of the injection points. The change in groundwater elevations ranged between 0.75 to 15.57 feet. The dissolved oxygen increased up to one order of magnitude in a few wells. The specific conductance increased up to one order of magnitude and the ORP increased up to five orders of magnitude in a few wells. A copy of Vista's Final Report, CGRS' Injection Pilot Test Data Sheets, and photographs of the injection activities are attached as supporting documents to the MRR.

On August 24, 2016, LNAPL was observed in well MW-16 at a thickness of 0.02 feet. LNAPL abatement was performed via hand-bailing. A PIG sock was installed in well MW-16. On October 5, 2016, measurable LNAPL was

not observed in well MW-16. The PIG sock was not spent and re-inserted in the well. Between July 3 and 10, 2017, CGRS subcontracted DrillPro Services Inc. (DrillPro) to pothole and backfill 74 injection points for the PersulfOx, RegenOx, and ORC-A injections. Eight injection points (IP-113 through IP-120 in Area 1) were located in the right-of-way on the north side of W. 73rd Avenue (adjacent to 7305 Lowell Boulevard). Seventeen injection points (IP-73 through IP-76 and IP-100 through IP-112) were located in Area 2, 22 injection points (IP-78 through IP-99) were located in Area 3, 20 injection points (IP-54 through IP-72 and IP-77) were located in Area 4, and seven injection points (IP-47 through IP-53) were located in Area 5. Areas 2 through 5 were located at 7287 Lowell Boulevard (south of the site).



Between July 11 and 21, 2017, CGRS subcontracted Regenesis Remediation Services (RRS) to perform PersulfOx, RegenOx, and ORC-A injections on- and off-site (7287 Lowell Boulevard) via direct push in the locations that were potholed and backfilled as mentioned above. The following table provides a summary of the injections in each of the five areas:

Area ID	PersulfOx (gallons) (15% solution)	RegenOx (gallons) (6% solution)	ORC-A (gallons) (30% slurry)	Injection Interval Range (feet)	Points Not Injected
Area 1	N/A	739	124	8-16	N/A
Area 2	N/A	1,450	99	15-25	IP-73, IP-75, IP-76, IP-104, IP-108
Area 3	5,503	N/A	198	15-25	N/A
Area 4	N/A	1,526	330	15-25	IP-61, IP-65, IP-67, IP-70, IP-71
Area 5	1,733	N/A	231	15-25	N/A

N/A = Not Applicable

A detailed description of the injections is provided in Regenesis' Application Summary Report for Remedial Services at the Former Pik Kwik site which is included as a supporting document in the MRR.

While the injections were being performed, CGRS obtained total depth, depth to groundwater, and MNA measurements from wells CHMW-01A, MW-11, MW-14, MW-16, MW-17, MW-18, MW-19, O-06, O-07, O-08, SVE-04, and SVE-06 that are located in the vicinity of the injection points. The change in groundwater elevations ranged between 0.0 and 16.53 feet. The dissolved oxygen concentrations increased up to three orders of magnitude in a few wells. The specific conductance measurements increased up to one order of magnitude and the ORP

measurements increased up to six orders of magnitude in a few wells. A copy of CGRS' Injection Data Sheets and photographs of the injection activities are included as supporting documents to the MRR.

Between October 31 and November 2, 2017, CGRS used approximately 850 gallons of water to flush the injectates and/or sediment out of wells CHMW-01A, MW-11, MW-13 through MW-19, SVE-05, SVE-06, SVE-07, and SVE-08. On January 10, 2018, CGRS used approximately 70 gallons of water to flush injectates out of wells MW-16, MW-17, and SVE-07.

Aerobic Bacteria

The aerobic bacteria counts were analyzed during groundwater sampling events prior to the PersulfOx, RegenOx, and ORC-A injection event and following the injection event to determine if the abundance of bacteria was affected.

It appears that the injections may have had a beneficial result on the aerobic bacteria in wells that were within the influence of the injections. The aerobic bacteria counts in August 2019 increased when compared to the May 2017 (pre-injection) counts for wells MW-11, MW-14, and MW-16. Wells MW-12, MW-13, MW-23, and SVE-05 are presumably outside the influence of the injections. The aerobic bacteria count in well MW-12 had increased up to two orders of magnitude when compared to the May 2017 counts. The aerobic bacteria counts in well SVE-05 decreased an order of magnitude.

Anaerobic Bacteria

The anaerobic bacteria counts were also analyzed during groundwater sampling events to determine if the abundance of bacteria was affected by the PersulfOx, RegenOx, and ORC-A injections.

It appears that the injections may have increased the anaerobic bacteria count an order of magnitude in wells MW-14 and SVE-04 when the August 2019 data was compared to the May 2017 data. The anaerobic bacteria counts decreased an order of magnitude in well MW-16 when compared to the May 2017 data. Anaerobic counts remained relatively stable in wells MW-12, MW-13, and SVE-05 when comparing the August 2019 data to the May 2017 data. These wells are located presumably outside the influence of the injections.

Aerobic Bacteria vs. Anaerobic Bacteria

According to the groundwater data, there were considerably more aerobic bacteria than anaerobic bacteria in the subsurface. This may be due to the ORC-A creating a more aerobic environment in the subsurface and the subsurface being naturally more aerobic and oxidative outside of the petroleum hydrocarbon plume. The aerobic and anaerobic bacteria counts are included in the "GW Parameter Table" in the MRR.

BTEX/TVPH Concentrations vs. PersulfOx, RegenOx, and ORC-A Injections

According to the groundwater data, it appears that the PersulfOx, RegenOx, and ORC-A injections were significantly beneficial in the vicinity of wells CHMW-01A, MW-11, MW-17, and MW-19 when comparing the September and December 2018 BTEX/TVPH concentrations with the May 2017 BTEX/TVPH concentrations. However, the benzene concentrations in the groundwater samples from wells CHMW-01A, MW-11, and MW-19 rebounded but remained an order of magnitude less than pre-injection concentrations. The TVPH concentration in the groundwater sample from well CHMW-01A rebounded but remained an order of magnitude less than the pre-injection concentration. It should be noted that the groundwater elevations decreased an average of 0.90 feet across the site except increased an average of 0.11 feet in wells CHMW-01A, CHMW-04, MW-01A, MW-02A, MW-03A, MW-12, MW-13, MW-15, and SVE-06 when comparing the December 2018 data to the May 2017 data.

The BTEX/TVPH concentrations in well MW-14 did not appear to show significant beneficial results from the injections. Injections were performed to the west and southwest of well MW-14 but were not performed to the southeast due to the subsurface being saturated with injectates and to the east and north due to an aboveground traffic control box and a raised landscaped area. However, the RegenOx injectate may have desorbed some of the petroleum hydrocarbons in the subsurface making it available for biodegradation.

The BTEX concentrations in well MW-16 decreased slightly when comparing the November 2017 data to the May 2017 data, possibly due to the injections. However, since November 2017, the BTEX concentrations appear to have rebounded. Injections of PersulfOx and RegenOx were performed in the vicinity of well MW-16. However, ORC-A was not injected in the vicinity of well MW-16 due to the subsurface being saturated with the PersulfOx and RegenOx.

The BTEX/TVPH concentrations in well SVE-04 did not appear to show significant beneficial results from the injections. Injections were performed to the southeast, south, and southwest of this well. Injections were not performed to the east, west, and north of this well due to subsurface remediation system piping and the vicinity of the on-site building. However, the RegenOx injectate may have desorbed some of the petroleum hydrocarbons in the subsurface making it available for biodegradation.

Overall, the benzene concentrations in the groundwater samples from wells CHMW-01A, MW-11, MW-17, and MW-19 are trending downward and remain relatively stable in wells SVE-04, MW-14, and MW-16. Benzene trend graphs for wells CHMW-01A, MW-11, MW-14, MW-16, MW-17, MW-19, and SVE-04 are included as supporting documents to the MRR.

On February 1, 2019, OPS informed CGRS that the City of Westminster is planning on developing its property located at 7287 Lowell Boulevard. CGRS met with OPS and the City of Westminster on several occasions at the property or at the City's offices and continue to have numerous telephone discussions and emails to discuss the development of the property.

Current Monitoring and Assessment Activities

Quarterly Groundwater Monitoring – Fourth Quarter 2019

The fourth quarter monitoring event was performed on December 12, 2019, which included measuring depth to groundwater, obtaining groundwater samples for laboratory analyses on select program monitoring wells, and recording MNA parameters.

The following is a summary of the laboratory analytical results for those samples with benzene or ethylbenzene concentrations exceeding the respective Tier 1 RBSLs:

Sample ID	Date	Benzene (mg/L)	Ethylbenzene (mg/L)
MW-19	12/12/19	0.005	0.002
SVE-05	12/12/19	<0.005	1.74

Bolded values are at or exceed the Tier 1 RBSLs.

- During the December sampling event, depth to groundwater ranged from 8.72 feet (SVE-03) to 18.71 feet (CHMW-02) below TOC. The average depth to groundwater was 15.08 feet below TOC.
- Compared to the August 2019 data, the groundwater elevation decreased an average of 0.95 feet across the site except increased an average of 1.99 feet in wells MW-12, MW-15, MW-18, SVE-03, and SVE-04.
- Consistent with historic data, the inferred groundwater flow direction was to the south with a calculated hydraulic gradient of approximately 0.0340 ft/ft. The hydraulic gradient was calculated using groundwater elevations from wells SVE-02 and MW-02A.
- Using the December 12th data, the groundwater flow velocity was calculated as the geometric mean of approximately 0.02 ft/day, which is consistent with historic data
- The inferred benzene plume in groundwater diminished significantly when compared to the August 2019 plume. There was only one well that had a benzene concentration that was at the Tier 1 RBSL in the groundwater sample collected during the fourth quarter 2019 sampling event.
- It should be noted that all groundwater samples with the exception of the groundwater samples from wells MW-12, MW-13, MW-18, MW-23, MW-24, MW-25, and SVE-05 had to be filtered prior to laboratory analysis due to the suspended carbon.
- It should be noted that nitrate and sulfate analyses could not be performed on the groundwater samples from wells CHMW-01A, MW-11, MW-14, MW-16, MW-19, MW-22, and SVE-04 due to the suspended carbon.

DO Concentrations

In general, DO concentrations data indicate that biodegradation of the hydrocarbon plume may be occurring. On December 12, 2019, the DO concentrations ranged between 0.03 and 4.81 mg/L in the groundwater, which is indicative of anaerobic to aerobic subsurface conditions. The inverse relationship between DO and BTEX/TVPH concentrations was evident in the BTEX/TVPH impacted groundwater except wells CHMW-01A, MW-25, SVE-07, and SVE-08 had DO concentrations in groundwater that ranged from 1.57 to 4.81 mg/L. The non-BTEX/TVPH impacted groundwater from wells MW-13, MW-23, and MW-24 had DO concentrations ranging from 0.26 mg/L to 0.76 mg/L.

ORP Measurements

On December 12, 2019, the ORP measurements ranged between -60.51 and 278.28 mV in the groundwater. Typically, groundwater samples that have BTEX and/or TVPH concentrations are reductive, however, only BTEX/TVPH impacted groundwater from well SVE-05 had a reductive ORP measurement, which was -60.51 mV. The remaining wells that had BTEX/TVPH impacted groundwater had ORP measurements that ranged from 91.07 to 230.05 mV. Wells MW-13, MW-23, and MW-24 did not contain BTEX/TVPH impacted groundwater and had ORP measurements that ranged from 98.33 to 278.28 mV. It appears that the groundwater was predominantly oxidative and biodegradation may be occurring in the subsurface.

Quarterly Groundwater Monitoring – First Quarter 2020

On February 21 and March 12, 2020, passive diffusion bags (PDBs) were deployed into the groundwater monitoring wells that had residual carbon in them from the PetroFix injection event. The wells were flushed with water in November 2019 but there was still a high carbon content that remained in the wells. PDBs were installed in wells

MW-11 through MW-25 and SVE-04 through SVE-07 so that the groundwater samples from these wells would not contain suspended carbon and could be analyzed for BTEX, TVPH, nitrate, and sulfate in future sampling events.

The first quarter monitoring event was performed on March 12, 2020, including measuring depth to groundwater, obtaining groundwater samples for laboratory analyses on select program monitoring wells, and recording MNA parameters.

The groundwater sample from well SVE-05 had an ethylbenzene concentration of 1.30 mg/L which exceeded the Tier 1 RBSL. The groundwater samples from the remaining wells did not have BTEX concentrations that exceeded the respective Tier I RBSLs.

- During the March sampling event, depth to groundwater ranged from 8.42 feet (SVE-03) to 18.78 feet (MW-04A) below TOC. The average depth to groundwater was 15.72 feet below TOC.
- Compared to the December 2019 data, the groundwater elevation decreased an average of 0.89 feet across the site except increased an average of 1.54 feet in wells CHMW-02, SVE-02, and SVE-03.
- Consistent with historic data, the inferred groundwater flow direction was to the south with a calculated hydraulic gradient of approximately 0.0346 ft/ft. The hydraulic gradient was calculated using groundwater elevations from wells SVE-02 and MW-02A.
- Using the March 12th groundwater monitoring data, the groundwater flow velocity was calculated as a geometric mean of approximately 0.02 ft/day, which is consistent with historic data
- The size of the inferred benzene plume in groundwater diminished when compared to the December 2019 plume. There were no BTEX concentrations in the groundwater samples that exceeded the respective Tier 1 RBSLs in the first quarter 2020 sampling event.

DO Concentrations

On March 12, 2020, the DO concentrations ranged between 0.02 and 2.51 mg/L in the groundwater samples, which is indicative of anaerobic to aerobic subsurface conditions. The inverse relationship between DO and BTEX/TVPH concentrations in groundwater was only evident in wells MW-19, SVE-05, and SVE-06. Wells SVE-07 and SVE-08, which contained benzene impacted groundwater, had DO concentrations of 2.51 and 1.09 mg/L, respectively. The wells that did not contain BTEX/TVPH impacted groundwater had DO concentrations that ranged from 0.02 to 0.85 mg/L. On March 12, 2020, it appears that the groundwater was predominantly anaerobic, the microorganisms may have used nitrate as the electron acceptor (see nitrate discussion below), and biodegradation may be occurring.

ORP Measurements

On March 12, 2020, the ORP measurements ranged between -195.2 and 172.6 mV in the groundwater samples. Typically, groundwater samples that have BTEX and/or TVPH concentrations are reductive which is evident in wells MW-19, SVE-05, SVE-06, and SVE-07, which had ORP measurements that ranged between -195.2 and -1.5 mV. Wells MW-13 and MW-14 had groundwater that was not impacted with petroleum hydrocarbons but had ORP measurements of -126.7 and -181.2 mV, respectively. It appears that the groundwater was predominantly oxidative and biodegradation may be occurring in the subsurface.

Current Corrective Action Activities

Between August 19 and 28, 2019, CGRS subcontracted DrillPro Services to pothole and backfill 111 injection points for a PetroFix injection event located off-site at 7287 Lowell Boulevard and on-site at 7305 Lowell Boulevard. Nine injection points (B-1 through B-9) were installed as a barrier in the vicinity of well SVE-04 located in the tree lawn just to the south of the building located at 7305 Lowell Boulevard (Area 1). Thirty-six injection points (M-1 through M-36) were installed in the mid-plume area located in the northeast corner of the property at 7287 Lowell Boulevard (Area 2). Sixty-six injection points (D-1 through D-66) were installed in the downgradient area located in front of and to the south of the building at 7287 Lowell Boulevard (Area 3). Between September 4 and 20, 2019, CGRS subcontracted Regenesis Remediation Services (RRS) to perform PetroFix™ injections on- and off-site (7287 Lowell Boulevard) via direct push in the 111 locations that were potholed and backfilled. The injectate included the PetroFix and a 50/50 blend of nitrates and sulfates as an electron acceptor. A total of 20,154 gallons of injectate were injected into the 111 injection points. Injections were performed in three-foot intervals in varying depths of 6 to 25 feet bgs. Treatment intervals varied per point due to high pressures and no flow, refusal, or surfacing issues; however, the total product quantities remained the same and were injected. The following table provides a summary of the injections in each of the injection areas:

Area ID	Number of injection points	PetroFix™ Injectate (gallons)	Amount of PetroFix™ (lbs)	Nitrate/Sulfate Blend (lbs)	Injection Interval (feet)
Area 1 (barrier)	9	1351	6800	340	6 – 13.5 (in 3' lifts)
Area 2 (mid-plume)	36	5600	11200	560	14 – 23.5 (in 3' lifts)
Area 3 (downgradient)	66	13203	11600	580	12.5 – 25 (in 3' lifts)

A detailed description of the injections is provided in Regenesis' report titled "Application Summary Report for Remedial Services at Pik Kwik Site, Westminster, CO", which is included as a supporting document in the MRR.

While the injections were being performed, CGRS obtained total depth, depth to groundwater, and MNA measurements from various wells in the different areas as follows:

Area 1: wells SVE-04, O-6, O-7, and O-8

Area 2: wells CHMW-01A, MW-14, MW-16, SVE-06, SVE-07, and SVE-08

Area 3: wells MW-11, MW-17, MW-19, MW-20, MW-21, MW-22, SVE-09, and SVE-10

MNA measurements were not obtained from some of the wells due to heavy amounts of carbon in the well. MNA measurements were not obtained from wells past September 11, 2019, due to the carbon remaining in the wells. The change in groundwater elevations ranged between 0.30 to 11.73 feet. MNA measurements were obtained before and after injections. The dissolved oxygen concentrations in groundwater decreased significantly in well MW-17 on September 9, 2019, but remained relatively stable in the other wells. The specific conductance measurements in groundwater increased significantly in well MW-21 on September 5, 2019, but remained relatively stable in the other wells. The ORP measurements decreased two orders of magnitude in the groundwater in well MW-17 on September 9, 2019, but remained relatively stable in the other wells. A copy of CGRS' Injection Data

Sheets and photographs of the injection activities are included in the supporting documents and photographs tabs of the MRR.

On November 12 and 13, 2019, CGRS attempted to flush the remaining PetroFix™ from impacted groundwater monitoring wells in the injection area and downgradient of the injection area. The amount of water gravity fed into each well ranged between 12 and 75 gallons depending on how fast the well recovered. A total of 320 gallons of water were used to flush wells CHMW-01A, MW-11, MW-14, MW-16, MW-17, MW-19 through MW-22, SVE-04, SVE-07, and SVE-08; however, all of the wells still had injectate remaining when the groundwater was checked after flushing activities.

Nitrate/Sulfate Concentrations vs. PetroFix™ Injections

The nitrate and sulfate concentrations in groundwater samples collected on December 12, 2019, and March 12, 2020, are presented in the following table:

Sample ID	12/12/19		03/12/20	
	Nitrate (mg/L)	Sulfate (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-11	NA	NA	<1.0	<2.0
MW-12	28.0	1200	<1.0	<2.0
MW-14	NA	NA	<1.0	<2.0
MW-16	NA	NA	<1.0	<2.0
MW-18	4.5	1100	<1.0	<2.0
MW-19	NA	NA	<1.0	<2.0
MW-22	NA	NA	<1.0	<2.0
SVE-04	NA	NA	<1.0	<2.0
SVE-05	<1.0	500	<1.0	<2.0

The injectate used included the PetroFix™ with a 50/50 blend of nitrates and sulfates as electron acceptors. It appears that the nitrate and sulfate may have been used as electron acceptors when comparing the March 2020 data with the December 2019 data. It should be noted that wells CHMW-01A, MW-11, MW-14, MW-16, MW-19, MW-22, and SVE-04 had suspended carbon in the groundwater samples so nitrate and sulfate analyses could not be performed during the December 12, 2019, sampling event. Well CHMW-01A still had suspended carbon in the groundwater sample in the March sampling event, so nitrate and sulfate analyses were not performed. The groundwater sample from well MW-12 was analyzed for nitrate and sulfate to obtain background concentrations to compare with the nitrate and sulfate concentrations in groundwater samples from the wells located within the influence of the PetroFix™ injections. It appears that there may be naturally occurring nitrate and sulfate in the groundwater.

BTEX/TVPH Concentrations vs. PetroFix™ Injections

The benzene concentrations in groundwater samples collected pre-injection event and post-injection event are presented in the following table:

Sample ID	06/12/19* Benzene (mg/L)	08/14/19* Benzene (mg/L)	12/12/19 Benzene (mg/L)	03/12/20 Benzene (mg/L)
CHMW-01A	0.002	0.006	0.001	0.001
MW-11	0.036	0.073	0.001	<0.001
MW-14	0.912	3.97	0.002	<0.001
MW-16	0.642	1.51	0.002	<0.001
MW-18	0.010	0.001	<0.001	<0.001
MW-19	1.12	1.84	0.005	0.001
MW-20	0.029	0.182	0.001	<0.001
MW-22	0.169	0.005	0.001	<0.001
SVE-04	0.265	21.2	0.002	<0.001
SVE-05	0.005	0.003	<0.005	<0.001
SVE-08	0.004	0.018	0.001	0.001

*Pre-injection Bolded values are at or exceed the Tier 1 RBSL

It appears that the PetroFix™ injections may have produced beneficial results in the groundwater in monitoring wells when comparing the data with the baseline, pre-injection, benzene concentrations in groundwater. However, carbon was observed in wells CHMW-01A, MW-11, MW-14 through MW-17, MW-19 through MW-22, and SVE-04 through SVE-08 in the sampling events following the injections.

On February 5, 2020, Xcel Energy and Carlton Electric disconnected the electrical service at the transformer and remediation shed. On February 6, 2020, Xcel Energy removed the electrical meter from the remediation shed.

Remediation Goals

- Tier III and Tier IV in soil and groundwater

Currently, the groundwater sample from monitoring well SVE-05 located on-site at 7305 Lowell Boulevard has an ethylbenzene concentration that exceeds the Tier 1 RBSL.

To date, soil confirmation sampling has not been performed. The Tier III and Tier IV closure criteria allows contaminants of concern to remain in the soil. Therefore, soil confirmation sampling will not be performed.

Conclusion

The SVE system has been asymptotic for several years; however, it was kept in operation as a vapor mitigation system for the on-site commercial building. Since the BTEX concentrations from the on-site soil vapor well are below the laboratory RLs, the SVE system will remain off.

Carbon was observed in monitoring wells CHMW-01, SVE-09, and SVE-10 and these wells have been replaced with wells CHMW-01A, MW-11, and MW-12 on January 19, 2015. In January 2015, the benzene and ethylbenzene concentrations in groundwater from wells CHMW-01A and MW-11 exceeded the respective Tier 1 RBSLs. It appears that the COGAC™ injections were not successful in reducing the contaminant plume in groundwater.

Groundwater and remediation system monitoring data indicate that overall the SVE remediation system performed as designed in abating petroleum hydrocarbon concentrations in the subsurface. The PersulfOx injection pilot test on the off-site property appears to have been beneficial in the vicinity of wells CHMW-01A, MW-16, MW-17, SVE-06, SVE-07, and SVE-08. The PersulfOx, RegenOx, and ORC-A injections performed on- and off-site appear to have been beneficial in the vicinity of wells CHMW-01A, MW-11, MW-14, MW-16, MW-17, MW-19, and SVE-04 based on evaluation of the BTEX, TVPH, nitrate, sulfate, dissolved iron, dissolved manganese, alkalinity, TOC, BOD, and/or DO concentrations. The aerobic bacteria counts increased up to two orders of magnitude in the wells that were within the influence of the injections and within one year of the injection event. The aerobic bacteria are more abundant than the anaerobic bacteria in the subsurface.

The PetroFix™ injections performed in September 2019 on- and off-site appears to be effective in reducing the benzene concentrations in groundwater in the vicinity of the injection areas; however, carbon was observed in wells CHMW-01A, MW-11, MW-14 through MW-17, MW-19 through MW-22, and SVE-04 through SVE-08.

Currently, the benzene plume in groundwater has diminished and no longer exists on-site and off-site at 7287 Lowell Boulevard and is consistent with the current CSM. The current CSM remains valid. The anticipated closure date is June 30, 2021.

Planned Recommended Future Activities

CGRS will continue to evaluate the effectiveness of the PetroFix™ injections in the forthcoming groundwater monitoring events. This site is on a quarterly monitoring program with semi-annual monitoring reports. The third quarter 2020 monitoring event is scheduled for July 2020. The next semi-annual monitoring report will be submitted after the third quarter monitoring event. CGRS will decommission the groundwater, soil vapor, and remediation system wells at 7287 Lowell Boulevard prior to the City of Westminster developing the property.

If you have any questions or require any additional information regarding this report, please contact Monica Young at (800) 288-2657.

Sincerely,
CGRS, Inc.



Raina Osmundson
Environmental Staff Scientist
Reviewed By:

Monica G.L. Young

Monica G.L. Young
Project Manager/Environmental Scientist
Recognized Environmental Professional 27

Attachment: Fourth Quarter 2019 and First Quarter 2020 MRR

ec: Ms. Carly Johansson, Colorado Rural Housing Development Corporation, carly@crhdc.org
Ms. Jenni Grafton, City of Westminster, jgrafton@cityofwestminster.us
Ms. Stephanie Troller, City of Westminster, stroller@cityofwestminster.us
Mr. Chase Evans, City of Westminster, ccevans@cityofwestminster.us
Ms. Molly Tayer, City of Westminster, mtayer@cityofwestminster.us
Mr. Seth Plas, City of Westminster, splas@cityofwestminster.us

cc: Mary Lou Nielsen Revocable Living Trust, 4541 W. 36th Avenue, Denver, CO 80212



Department of Labor and Employment Division of Oil and Public Safety

Remediation Section

633 17th Street, Suite 500

Denver, CO 80202-3660

303-318-8547 (technical assistance)

Website: www.colorado.gov/ops/remediation

Select a report title from the list:

Monitoring and Remediation Report

Facility ID: 456
Event ID: 1989
Reporting Period: Half (4Q&1Q)
Year: 2020
Submittal Date: May 8, 2020

SCR submitted: March 6, 2003
Date last CAP approved: December 8, 2003
Date CAP scope ends:

March 5, 2019
Version 2.0.3

Site Information

Event ID: 1989

Reporting Period: Half (4Q&1Q)

Year: 2020

SITE INFORMATION				
Site Name:	Former Pik Kwik (now Harris Park Site IV)	Business on Site:	Commercial business	
Site Address:	7301 Lowell Boulevard (now 7305 Lowell Boulevard)			
City:	Westminster	County:	Adams	Zip Code:
Latitude:	39° 49' 45"	Longitude:	105° 02' 04"	
PROPERTY OWNER INFORMATION				
Name:	Gateway Plaza LLC			
Address:	7305 Lowell Boulevard			
City:	Westminster	State:	Colorado	Zip Code:
Phone Number:	303-428-1448	Fax Number:	303-428-1989	
Contact Person:	Ms. Carly Johansson	Email:	carly@crhdc.org	
RESPONSIBLE PARTY INFORMATION				
Name:	Paul O. Dalpes			
Address:	11210 W. 60th Avenue			
City:	Arvada	State:	Colorado	Zip Code:
Phone Number:	Unknown	Fax Number:	Unknown	
Contact Person:	Unknown	Email:	Unknown	
ENVIRONMENTAL CONSULTANT INFORMATION				
Name:	CGRS, Inc.			
Address:	1301 Academy Court			
City:	Fort Collins	State:	Colorado	Zip Code:
Phone Number:	970-493-7780	Fax Number:	970-493-7986	
Project Mgr:	Ms. Monica Young	Email:	monica@cgrs.com	
REP:	Ms. Monica Young	Email:	monica@cgrs.com	
RELEASE INFORMATION				
Date Release was Suspected	8/28/1992	Date OPS was notified of suspected release		9/15/1992
Date Release was Confirmed	9/15/1992	Date OPS was notified of confirmed release		9/15/1992
Product Released:	RUL	How was Release Discovered:	Tank Closure - Removal	
Source of Release:	Tank	Quantity in Gallons:	Unknown	
Cause of Release:	Corrosion			
Provide Brief Description of System Repair:	Tanks were removed on 8/28/1992			
PREVIOUS RELEASE INFORMATION				
Date of Prior Release	Event ID	Product	Quantity (Gallons)	Source of Release
N/A				Date NFA Letter Issued
TANK INFORMATION				RESPONSE
Is the facility open and actively dispensing fuel?				No
If the facility no longer dispenses fuel what is the current use of the property?				Commercial businesses
Number of tanks in use (locate tanks, piping, and dispensers on site map)				0
Number of tanks in temporary closure (locate tanks, piping, and dispensers on site map)				0
Number of tanks removed (locate tanks, piping, and dispensers on site map)				3
Tanks closed in place (locate tanks, piping, and dispensers on site map)				0
Date(s) of tank closure				8/28/1992
SITE LITHOLOGY AND AQUIFER PARAMETERS				
Predominant lithology in the unsaturated zone				Silty Clay
Predominant lithology in the saturated zone				Silty Clay
Date of hydraulic conductivity test. Include and label test data in 'Model Input' tab.				8/19/2003
Hydraulic conductivity of the impacted aquifer in cm/sec				4.27E-05
Estimated effective porosity in the saturated zone (%)				25%
Hydraulic gradient (specify wells used to calculate gradient in narrative)				0.0346
Estimated groundwater flow velocity in ft/day (1 cm/sec = approximately 2,835 ft/day)				0.02
General flow direction during this reporting period				S
Historically predominant flow direction				S
If LNAPL present, highest transmissivity value (Tn) calculated (ft ² /day). Include and label test data in 'Model Input' tab.				
OTHER POTENTIAL SOURCES				
Are there offsite sources that may account for the contamination found? If yes, detail in the narrative.				No

Exposure Pathways and Receptors

Event ID: 1989

Reporting Period: Half (4Q&1Q)

Year: 2020

POINTS OF EXPOSURE		THREATENED	IMPACTED	DISTANCE FROM SOURCE (ft)	
Property Boundary		yes	yes	~20	
Surficial Soils		no	no	N/A	
Subsurface Utilities		no	no	~10	
Structures		yes	no	0	
Groundwater Wells		no	no	N/A	
Surface Water		no	no	~2,000	
Sensitive Environments		no	no	~2,000	
UTILITY	DEPTH TO WATER	DEPTH TO UTILITY	THREATENED	IMPACTED	IDENTIFIED ON POE MAP?
Gas Line	9' to 15'	~2'	no	no	yes
Water Line	9' to 15'	4' to 6'	no	no	yes
Sanitary Sewer Line	9' to 15'	4' to 6'	no	no	yes
Storm Sewer Line	9' to 15'	4' to 6'	no	no	yes
Communication Line	9' to 15'	~2' to 3'	no	no	yes
Other	9' to 15'	~2' to 6'	no	no	yes
Impacted and Potentially Impacted Offsite Properties (If >3, note details for them in narrative)					
Property Address	Property Use	Exposure Pathway	Status	Report Sent to Property Owner?	
7287 Lowell Boulevard	Commercial	groundwater ingestion	impacted	yes	
Owner Name	Mailing Address		Phone	Email	
City of Westminster	4800 W. 92nd Avenue, Westminster, CO 80031		303-658-2108	jgrafton@cityofwestminster.us	
Property Address	Property Use	Exposure Pathway	Status	Report Sent to Property Owner?	
7267 Lowell Boulevard	commercial	groundwater ingestion	potentially impacted	yes	
Owner Name	Mailing Address		Phone	Email	
Mary Lou Nielsen Revocable Living Trust	4541 W. 36th Avenue, Denver, CO 80212				
Property Address	Property Use	Exposure Pathway	Status	Report Sent to Property Owner?	
W. 73rd Avenue	road	groundwater ingestion	impacted	yes	
Owner Name	Mailing Address		Phone	Email	
City of Westminster	4800 W. 92nd Avenue, Westminster, CO 80031		303-658-2108	jgrafton@cityofwestminster.us	
EXPOSURE PATHWAYS		ELIMINATED?	REASON		
Groundwater (Ingestion)		no			
Groundwater (Enclosed Space Vapors)		yes	Benzene concentrations in soil vapor samples are <RBSL.		
Surficial Soil (Ingestion, Ambient Vapors, Particulates, Dermal Contact)		yes	Surficial soils are not impacted.		
Subsurface Soil (Enclosed Space Vapors)		yes	Benzene concentrations in soil vapor samples are <RBSL.		
Subsurface Soil (Leaching to Groundwater)		no			
All exposure pathways must be eliminated to request an NFA determination					

Water Well and Surface Water Data Table

Click on a cell in the section in which you wish
the additional row. Then click "New Row"

Event ID: 1989

Reporting Period: Half (4Q&1Q)

Year: 2020

Permit Number or Surface Water Designation*	Geographic Location (Lat/Long or T/R/S)	Approx. Direction From Site	Approx Distance From Site (ft)	Listed Uses	Well Depth	Water Level	Top of Screen	Pumping Rate	Potential Point of Exposure?	Rationale for Elimination
23220	T2S, R68W, Sec 32	E	800	8	50	12		3	No	Crossgradient
117626	T3S, R68W, Sec 5	SE	1200	8					No	Crossgradient
941	T2S, R68W, Sec 31	W	1400	2	606	170	346	90	No	Crossgradient
940	T2S, R68W, Sec 32	NE	1600	2	1570	50	1197	50	No	Crossgradient
942	T2S, R68W, Sec 31	W	1700	2	800	210		150	No	Crossgradient
947	T3S, R68W, Sec 6	SW	1700	2	540	300		120	No	Crossgradient
Little Dry Creek	T3S, R68W, Sec 6	S	1900						No	Downgradient & Distance
23256	T2S, R68W, Sec 31	NW	2250	8					No	Crossgradient & Distance
14669	T2S, R68W, Sec 31	NW	2250	8	540	380		8	No	Crossgradient & Distance
15049	T3S, R68W, Sec 6	SW	2450	8					No	Crossgradient & Distance

*Information from the Colorado Division of Water Resources. AT A MINIMUM, input an identifier and the distance from the site.

Colorado Division of Water Resources Listed Uses

0 STORAGE	A AUGMENTATION
1 IRRIGATION	B EXPORT FROM BASIN
2 MUNICIPAL	C CUMULATIVE ACCRETION TO RIVER
3 COMMERCIAL	D CUMULATIVE DEPLETION FROM RIVER
4 INDUSTRIAL	E EVAPORATIVE
5 RECREATION	F FEDERAL RESERVED
6 FISHERY	G GEOTHERMAL
7 FIRE	H HOUSEHOLD USE ONLY
8 DOMESTIC	K SNOW MAKING
9 STOCK	M MINIMUM STREAMFLOW
	N NET EFFECT ON RIVER
	P POWER GENERATION
	Q OTHER
	R RECHARGE
	S EXPORT FROM STATE
	T TRANSMOUNTAIN EXPORT
	W WILDLIFE
	X ALL BENEFICIAL USES

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						GW Column above BOS (ft)			GW Well Status (if not sampled)		
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	LNAPL Thickness (ft)
CHNMW-01	11/12/01	6.6050	0.7450	3.3700	2.7950	72.80	97.89	89.89	74.89	2.0	81.08	16.81	6.19
CHNMW-01	11/04/02	2.3160	0.5200	4.1540	2.4960	0.4180	97.89	89.89	74.89	2.0	79.99	17.90	0 no
CHNMW-01	07/29/03	2.0080	0.6000	3.1690	2.5410	0.0005	24.20	97.89	89.89	2.0	82.01	15.88	0 no
CHNMW-01	10/20/03	1.5500	0.5370	3.5660	2.7850	0.6570	35.40	97.89	89.89	2.0	81.71	16.18	0 no
CHNMW-01	01/19/04	1.3060	0.6210	3.4630	2.6460	0.3040	39.60	97.89	89.89	2.0	80.18	17.71	0 no
CHNMW-01	04/19/04	1.2200	0.6110	4.2680	3.2180	0.2770	48.20	97.89	89.89	2.0	79.94	17.95	0 no
CHNMW-01	07/19/04	1.1640	0.5400	3.5650	2.8830	0.9310	63.20	97.89	89.89	2.0	81.73	16.16	0 no
CHNMW-01	10/21/04	3.2620	0.8100	5.3020	4.5230	3.2810	59.90	97.89	89.89	2.0	81.42	16.47	0 no
CHNMW-01	01/21/05	3.8330	1.0040	3.4430	4.3460	1.1420	33.80	97.89	89.89	2.0	80.34	17.55	0 no
CHNMW-01	04/20/05	3.7270	0.7040	4.3630	3.0440	0.5000	40.90	97.89	89.89	2.0	80.17	17.72	0 no
CHNMW-01	10/27/05	3.0040	0.6990	4.3410	2.7340	1.3490	54.30	97.89	89.89	2.0	80.91	16.98	0 no
CHNMW-01	01/19/06	3.6600	0.9010	5.4690	4.1370	0.5590	54.70	97.89	89.89	2.0	80.27	17.62	0 no
CHNMW-01	04/18/06	2.2920	0.7810	5.0330	3.6780	0.3150	56.90	97.89	89.89	2.0	79.88	18.01	0 no
CHNMW-01	07/19/06	1.8390	0.9300	5.1130	4.2900	0.1490	74.20	97.89	89.89	2.0	80.51	17.38	0 no
CHNMW-01	10/19/06	1.4440	0.8330	4.6730	3.9220	0.1450	70.30	97.89	89.89	2.0	80.71	17.18	0 no
CHNMW-01	03/28/07	0.8130	0.4370	2.3890	1.9350	0.0701	62.00	97.89	89.89	2.0	80.86	17.03	0 no
CHNMW-01	06/26/07	0.6270	0.3470	2.6650	2.0650	0.0419	34.20	97.89	89.89	2.0	81.71	16.18	0 no
CHNMW-01	09/25/07	1.3640	0.5970	4.5020	3.5870	0.2250	58.40	97.89	89.89	2.0	81.28	16.61	0 no
CHNMW-01	01/10/08	0.9290	0.7670	4.6270	3.7810	0.1160	73.30	97.89	89.89	2.0	80.46	17.43	0 no
CHNMW-01	04/14/08	0.4890	0.3900	2.2880	1.8130	0.0363	42.60	97.89	89.89	2.0	80.89	17.00	0 no
CHNMW-01	07/22/08	0.4170	0.4690	3.4320	2.7230	0.0067	41.50	97.89	89.89	2.0	81.37	16.52	0 no
CHNMW-01	11/05/08	0.3350	0.4270	2.7300	2.2700	0.0080	36.60	97.89	89.89	2.0	81.02	16.87	0 no
CHNMW-01	03/05/09	0.2950	0.3010	2.1500	1.7300	0.2280	20.40	97.89	89.89	2.0	81.83	16.06	0 no
CHNMW-01	06/08/09	1.6300	0.3020	2.6100	2.1100	0.1160	26.00	97.89	89.89	2.0	85.35	12.54	0 no
CHNMW-01	09/08/09	1.4800	0.2920	2.8300	2.3200	0.0960	38.10	97.89	89.89	2.0	82.02	15.87	0 no
CHNMW-01	12/10/09	0.9330	0.3600	2.8700	3.0400	0.0790	30.90	97.89	89.89	2.0	81.28	16.61	0 no
CHNMW-01	03/11/10	0.5950	0.3000	2.6200	2.8600	0.0010	38.20	97.89	89.89	2.0	81.16	16.73	0 no
CHNMW-01	06/24/10	0.5470	0.3220	2.9100	2.6800	0.0010	31.80	97.89	89.89	2.0	82.70	15.19	0 no
CHNMW-01	09/20/10	0.7310	0.2520	2.0600	2.4900	0.0820	30.50	97.89	89.89	2.0	81.32	16.57	0 no
CHNMW-01	12/16/10	1.1000	0.4250	2.3100	3.0100	0.0310	30.40	97.89	89.89	2.0	80.35	17.54	0 no
CHNMW-01	05/25/11	0.5790	0.2920	1.9800	2.5100	0.0650	40.00	97.89	89.89	2.0	80.49	17.40	0 no
CHNMW-01	05/25/11	0.3830	0.2730	2.5800	3.3500	0.0010	45.80	97.89	89.89	2.0	81.06	16.83	0 no
CHNMW-01	08/29/11	0.4500	0.3490	2.8000	3.9000	0.0010	47.10	97.89	89.89	2.0	81.23	16.66	0 no
CHNMW-01	11/23/11	0.3390	0.3580	2.1000	3.7300	0.0220	46.60	97.89	89.89	2.0	80.54	17.35	0 no
CHNMW-01	02/21/12	0.1280	0.1670	2.3000	3.1300	0.0010	35.20	97.89	89.89	2.0	81.54	16.35	0 no
CHNMW-01	05/22/12	0.1430	0.1890	2.9100	3.0010	0.2960	29.60	97.89	89.89	2.0	81.06	16.83	0 no
CHNMW-01	08/27/12	0.1460	0.3000	2.1500	3.0600	0.0080	32.40	97.89	89.89	2.0	80.58	17.31	0 no
CHNMW-01	11/29/12	0.1390	0.3470	2.2400	3.6200	0.0010	31.60	97.89	89.89	2.0	80.07	17.82	0 no
CHNMW-01	02/26/13	0.1930	0.4720	3.0700	4.7500	0.0010	52.40	97.89	89.89	2.0	79.57	18.32	0 no
CHNMW-01	05/16/13	0.1080	0.2350	2.5800	2.6600	0.0290	40.40	97.89	89.89	2.0	80.90	16.99	0 no
CHNMW-01	08/20/13	<0.001	<0.001	0.0010	<0.5	<0.001	0.5	97.89	89.89	2.0	80.91	16.98	0 no
CHNMW-01	11/18/13	<0.001	<0.001	0.0010	<0.5	<0.001	0.5	97.89	89.89	2.0	81.27	16.62	0 no
CHNMW-01	02/25/14	<0.001	<0.001	<0.001	<0.5	<0.001	0.5	97.89	89.89	2.0	80.38	17.51	0 no
CHNMW-01	04/29/14	<0.001	<0.001	<0.001	<0.5	<0.001	0.5	97.89	89.89	2.0	80.79	17.10	0 no

Groundwater Laboratory and Elevations Table

Reporting Period: Half (4Q&1

Year: 2020

Reporting Period: Half (4Q&1

Water Table Elevation, Corrected for LNAPL Thickness (ft)												GW Column above BOS (ft)		GW Above TOS																											
Well ID	Date	Benzene (mg/L)			Toluene (mg/L)			Xylenes (mg/L)			MTBE (mg/L)			TEPH (mg/L)			TOC (ft)			BOS (ft)			Well Diameter (in)			Depth to LNAPL Water (ft)			Depth to LNAPL (ft)			LNAPL Thickness (ft)			Water Table Elevation, Corrected for LNAPL Thickness (ft)			GW Column above BOS (ft)		GW Above TOS	
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TEPH (mg/L)	TEPH (mg/L)	TEPH (mg/L)	TOC (ft)	TOC (ft)	TOC (ft)	BOS (ft)	BOS (ft)	BOS (ft)	Well Diameter (in)	Well Diameter (in)	Well Diameter (in)	Depth to LNAPL Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Table Elevation, Corrected for LNAPL Thickness (ft)	GW Column above BOS (ft)	GW Above TOS													
CHMW-01	07/24/14	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.001	<0.50	<0.001	<0.001	97.89	89.89	74.89	2.0	81.36	16.53	0	no	6.47																						
CHMW-01	10/16/14	0.0030	<0.001	<0.001	<0.001	0.0010	<0.001	<0.50	<0.001	<0.001	97.89	89.89	74.89	2.0	81.05	16.84	0	no	6.16																						
CHMW-01	03/24/15										97.89	89.89	74.89	2.0	83.35	14.54	0	no	8.46	NOP																					
CHMW-01	07/16/15										97.83	93.45	73.45	2.0	80.33	17.50	0	no	6.88																						
CHMW-01A	01/19/15	0.1490	0.2570	3.1600	3.4000	0.0200	36.10	97.83	93.45	73.45	73.45	73.45	73.45	2.0	81.20	16.63	0	no	7.75																						
CHMW-01A	03/24/15	2.1400	0.3700	4.1600	4.4300	0.0100	42.90	97.83	93.45	73.45	73.45	73.45	73.45	2.0	84.56	13.27	0	no	11.11																						
CHMW-01A	06/22/15	0.1800	0.1870	2.4000	2.5400	<0.001	36.00	97.83	93.45	73.45	73.45	73.45	73.45	2.0	83.38	14.45	0	no	9.93	NOP																					
CHMW-01A	07/16/15										97.83	93.45	73.45	2.0	82.43	15.40	0	no	8.98																						
CHMW-01A	08/25/15	0.1320	0.1750	3.1500	3.1200	0.0040	41.00	97.83	93.45	73.45	73.45	73.45	73.45	2.0	81.15	16.68	0	no	7.70																						
CHMW-01A	11/25/15	0.1430	0.1720	3.8800	3.7000	0.0040	48.30	97.83	93.45	73.45	73.45	73.45	73.45	2.0	81.23	16.80	0	no	7.78																						
CHMW-01A	03/28/16	0.1470	0.0820	3.4800	1.7300	<0.001	27.70	97.83	93.45	73.45	73.45	73.45	73.45	2.0	82.30	15.53	0	no	8.85																						
CHMW-01A	06/15/16	0.1320	0.1700	3.1400	2.7200	<0.001	39.40	97.83	93.45	73.45	73.45	73.45	73.45	2.0	81.80	16.03	0	no	8.35																						
CHMW-01A	07/15/16	0.0300	1.4500	0.6160	0.0030	17.30	97.83	93.45	73.45	73.45	73.45	73.45	2.0	80.89	16.94	0	no	7.44																							
CHMW-01A	08/24/16	0.0060	0.0020	0.1660	0.0720	<0.001	5.39	97.83	93.45	73.45	73.45	73.45	73.45	2.0	80.31	17.52	0	no	6.86																						
CHMW-01A	05/16/17	0.0440	0.0300	2.7400	1.4900	28.80	97.83	93.45	73.45	73.45	73.45	73.45	2.0	80.73	16.72	0	no	4.60																							
CHMW-01A	08/28/17	0.0010	<0.001	<0.001	<0.001	<0.001	1.81	97.83	93.45	76.51	76.51	76.51	76.51	2.0	80.78	17.05	0	no	4.27																						
CHMW-01A	11/20/17	<0.001	<0.001	<0.001	<0.001	<0.001	<0.50	97.83	93.45	76.51	76.51	76.51	76.51	2.0	80.22	17.61	0	no	3.71																						
CHMW-01A	03/19/18	0.0030	<0.001	0.0110	0.0070	0.0020	<0.50	97.83	93.45	76.51	76.51	76.51	76.51	2.0	84.10	13.73	0	no	7.59																						
CHMW-01A	06/14/18	<0.001	<0.001	0.0050	0.0050	0.0020	<0.50	97.83	93.45	76.51	76.51	76.51	76.51	2.0	80.73	17.10	0	no	4.22																						
CHMW-01A	09/12/18	0.0030	0.0100	0.1000	0.0590	0.0140	1.18	97.83	93.45	76.51	76.51	76.51	76.51	2.0	80.38	17.45	0	no	3.87																						
CHMW-01A	12/05/18	0.0060	0.0050	0.1080	0.0810	0.0040	1.95	97.83	93.45	76.51	76.51	76.51	76.51	2.0	80.58	17.25	0	no	4.07																						
CHMW-01A	03/27/19	<0.001	<0.001	0.0010	0.0010	0.0010	0.56	97.83	93.45	76.51	76.51	76.51	76.51	2.0	81.82	16.01	0	no	5.31																						
CHMW-01A	06/12/19	0.0020	0.0100	0.2400	0.2210	0.2210	4.14	97.83	93.45	76.51	76.51	76.51	76.51	2.0	81.10	16.73	0	no	4.59																						
CHMW-01A	08/14/19	0.0060	0.0370	0.6310	0.5970	0.5970	8.39	97.83	93.45	76.51	76.51	76.51	76.51	2.0	80.12	17.71	0	no	3.61																						
CHMW-01A	12/12/19	0.0010	0.0060	0.0020	0.0140	<0.5	97.83	93.45	76.51	76.51	76.51	76.51	2.0	79.80	18.03	0	no	3.29																							
CHMW-01A	03/12/20	0.0010	<0.001	<0.001	0.0010	0.0010	<0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	79.44	18.24	0	no	4.76																						
CHMW-02	11/12/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	79.68	18.00	0	no	5.00																						
CHMW-02	11/04/20	0.0005	0.0006	0.0006	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	81.32	16.36	0	no	6.64																						
CHMW-02	07/29/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	81.08	16.60	0	no	6.40																						
CHMW-02	10/20/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	79.84	17.84	0	no	5.16																						
CHMW-02	01/19/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	79.95	17.73	0	no	5.27																						
CHMW-02	04/19/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	80.51	17.17	0	no	5.83																						
CHMW-02	10/27/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	80.19	17.49	0	no	5.51																						
CHMW-02	10/12/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	81.10	16.53	0	no	6.42																						
CHMW-02	01/12/21	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	81.20	16.63	0	no	6.16																						
CHMW-02	04/20/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	79.74	17.94	0	no	5.06																						
CHMW-02	07/21/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	80.51	17.17	0	no	4.49																						
CHMW-02	07/19/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	81.07	16.61	0	no	6.39																						
CHMW-02	10/12/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	81.32	16.36	0	no	6.42																						
CHMW-02	01/19/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	81.84	17.84	0	no	5.16																						
CHMW-02	04/18/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68	76.68	76.68	2.0	79.95	17.73	0	no	5.27																						
CHMW-02	07/19/20	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	93.05	76.68	76.68																														

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						LNAPL Thickness (ft)			GW Column above BOS (ft)			Well Status (if not sampled)
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	Depth to LNAPL (ft)	
CHMW-02	09/25/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	89.68	74.68	2.0	80.08	17.60
CHMW-02	01/10/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	89.68	74.68	2.0	79.46	18.22
CHMW-02	04/14/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	89.68	74.68	2.0	79.57	18.11
CHMW-02	07/22/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	97.68	89.68	74.68	2.0	79.84	17.84
CHMW-02	11/05/08	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	80.17	17.51
CHMW-02	03/05/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	80.53	17.15
CHMW-02	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	83.85	13.83
CHMW-02	09/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	81.63	16.05
CHMW-02	12/09/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	80.63	17.05
CHMW-02	03/31/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	80.03	17.65
CHMW-02	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	81.71	15.97
CHMW-02	09/20/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	80.39	17.29
CHMW-02	12/16/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	79.47	18.21
CHMW-02	03/25/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	79.54	18.14
CHMW-02	05/25/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	80.31	17.37
CHMW-02	08/29/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	79.95	17.73
CHMW-02	11/23/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	79.50	18.18
CHMW-02	02/21/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	79.97	17.71
CHMW-02	05/22/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	79.71	17.97
CHMW-02	08/27/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	78.78	18.90
CHMW-02	11/29/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	79.03	18.65
CHMW-02	02/26/13	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	78.68	19.00
CHMW-02	05/16/13	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.68	89.68	74.68	2.0	79.67	18.01
CHMW-02	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.5	97.68	89.68	74.68	2.0	79.38	18.30
CHMW-02	11/18/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.5	97.68	89.68	74.68	2.0	80.48	17.20
CHMW-02	02/25/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.5	97.68	89.68	74.68	2.0	79.58	18.10
CHMW-02	04/29/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.5	97.68	89.68	74.68	2.0	79.78	17.90
CHMW-02	07/24/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.50	97.68	89.68	74.68	2.0	80.16	17.52
CHMW-02	10/16/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.50	97.68	89.68	74.68	2.0	80.23	17.45
CHMW-02	03/24/15								97.68	89.68	74.68	2.0	80.18	
CHMW-02	06/22/15								97.68	89.68	74.68	2.0	83.63	
CHMW-02	08/25/15	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.50	97.68	89.68	74.68	2.0	82.14	
CHMW-02	11/25/15								97.68	89.68	74.68	2.0	83.37	
CHMW-02	03/28/16								97.68	89.68	74.68	2.0	80.48	
CHMW-02	06/15/16								97.68	89.68	74.68	2.0	81.68	
CHMW-02	08/24/16								97.68	89.68	74.68	2.0	83.98	
CHMW-02	05/16/17	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.50	97.68	89.68	74.68	2.0	80.14	
CHMW-02	08/28/17								97.68	89.68	74.68	2.0	80.67	
CHMW-02	11/20/17								97.68	89.68	74.68	2.0	83.93	
CHMW-02	03/19/18								97.68	89.68	74.68	2.0	79.20	
CHMW-02	06/14/18								97.68	89.68	74.68	2.0	79.78	
CHMW-02	09/12/18								97.68	89.68	74.68	2.0	79.33	
CHMW-02	12/05/18								97.68	89.68	74.68	2.0	78.38	
CHMW-02	03/27/19								97.68	89.68	74.68	2.0	79.72	

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Quality Data (mg/L)						Water Table Elevation, Corrected for LNAPL Thickness (ft)			Depth to LNAPL (ft)			LNAPL Thickness (ft)			GW Above TOS			GW Column above BOS (ft)			GW Well Status (if not sampled)		
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	Depth to LNAPL (ft)	Thickness (ft)	Depth to LNAPL (ft)	Thickness (ft)	Depth to Water (ft)	Thickness (ft)	Depth to LNAPL (ft)	Thickness (ft)	Depth to Water (ft)	Thickness (ft)	Depth to LNAPL (ft)	Thickness (ft)	Depth to Water (ft)
CHMW-02	06/12/19							97.68	89.68	74.68	2.0	80.66	17.02		0	no	5.98	NOP							
CHMW-02	08/14/19							97.68	89.68	74.68	2.0	79.66	18.02		0	no	4.98	NOP							
CHMW-02	12/12/19							97.68	89.68	74.68	2.0	78.97	18.71		0	no	4.29	NOP							
CHMW-02	03/12/20							97.68	89.68	74.68	2.0	83.25	14.43		0	no	8.57	NOP							
CHMW-03	11/12/01	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	98.26	91.26	76.26	2.0	86.47	11.79		0	no	10.21							
CHMW-03	11/04/02	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0086	98.26	91.26	76.26	2.0	84.96	13.39		0	no	8.70							
CHMW-03	07/29/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	98.26	91.26	76.26	2.0	88.37	9.89		0	no	12.11							
CHMW-03	10/20/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	98.26	91.26	76.26	2.0	85.94	12.32		0	no	9.68							
CHMW-03	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0131	98.26	91.26	76.26	2.0	84.89	13.37		0	no	8.63							
CHMW-03	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	98.26	91.26	76.26	2.0	86.87	11.39		0	no	10.61							
CHMW-03	07/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	98.26	91.26	76.26	2.0	86.99	11.27		0	no	10.73							
CHMW-03	10/21/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	98.26	91.26	76.26	2.0	86.95	11.31		0	no	10.89							
CHMW-03	01/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	98.26	91.26	76.26	2.0	86.06	12.20		0	no	9.80							
CHMW-03	04/20/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	98.26	91.26	76.26	2.0	87.37	10.89		0	no	11.11							
CHMW-03	07/21/05																	0.00	na						
CHMW-04	11/12/01	0.0021	0.0005	0.0005	0.0005	0.0005	0.0005	0.32	91.80	84.80	65.80	2.0	78.44	13.36		0	no	8.64							
CHMW-04	11/04/02	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0259				91.80	84.80	65.80	2.0	77.45	14.35		0	no	7.65				
CHMW-04	07/29/03	0.0005	0.0005	0.0005	0.0005	0.0838	0.50		91.80	84.80	65.80	2.0	79.01	12.79		0	no	9.21							
CHMW-04	10/20/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0045	91.80	84.80	65.80	2.0	79.45	12.35		0	no	9.65							
CHMW-04	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0129	91.80	84.80	65.80	2.0	77.84	13.96		0	no	8.04							
CHMW-04	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0574	91.80	84.80	65.80	2.0	77.55	14.25		0	no	7.75							
CHMW-04	07/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0139	91.80	84.80	65.80	2.0	78.40	13.40		0	no	8.60							
CHMW-04	10/21/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0219	91.80	84.80	65.80	2.0	78.85	12.95		0	no	9.05							
CHMW-04	01/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0265	91.80	84.80	65.80	2.0	77.82	13.98		0	no	8.02							
CHMW-04	04/20/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0392	91.80	84.80	65.80	2.0	77.60	14.20		0	no	7.80							
CHMW-04	07/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0410	91.80	84.80	65.80	2.0	78.32	13.48		0	no	8.52							
CHMW-04	10/27/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0270	91.80	84.80	65.80	2.0	78.44	13.36		0	no	8.64							
CHMW-04	01/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0343	91.80	84.80	65.80	2.0	77.73	14.07		0	no	7.93							
CHMW-04	04/18/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0611	91.80	84.80	65.80	2.0	77.32	14.48		0	no	7.52							
CHMW-04	07/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0181	91.80	84.80	65.80	2.0	78.03	13.77		0	no	8.23							
CHMW-04	10/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0162	91.80	84.80	65.80	2.0	78.06	13.74		0	no	8.26							
CHMW-04	03/29/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0261	91.80	84.80	65.80	2.0	78.09	13.71		0	no	8.29							
CHMW-04	06/26/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0097	91.80	84.80	65.80	2.0	78.91	12.89		0	no	9.11							
CHMW-04	09/25/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0227	91.80	84.80	65.80	2.0	78.57	13.23		0	no	8.77							
CHMW-04	01/10/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0337	91.80	84.80	65.80	2.0	77.77	14.03		0	no	7.97							
CHMW-04	04/14/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0359	91.80	84.80	65.80	2.0	77.98	13.82		0	no	8.18							
CHMW-04	07/22/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0103	91.80	84.80	65.80	2.0	78.39	13.41		0	no	8.59							
CHMW-04	11/05/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0160	91.80	84.80	65.80	2.0	78.17	13.63		0	no	8.37							
CHMW-04	03/05/09	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0190	91.80	84.80	65.80	2.0	77.88	13.92		0	no	8.08							
CHMW-04	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	91.80	84.80	65.80	2.0	80.06	11.75		0	no	10.25							
CHMW-04	09/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0070	91.80	84.80	65.80	2.0	79.00	12.80		0	no	9.20							
CHMW-04	12/09/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0130	91.80	84.80	65.80	2.0	78.31	13.49		0	no	8.51							
CHMW-04	03/31/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0090	91.80	84.80	65.80	2.0	78.24	13.56		0	no	8.44							
CHMW-04	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0080	91.80	84.80	65.80	2.0	79.17	12.63		0	no	9.37							

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Reporting Period: Half (4Q&1)
One section in which you wish

Year: 2020

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						LNAPL Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TEPH (mg/L)				
Field Blank	04/14/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005			0	na
Field Blank	07/22/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005			0	0.00
Field Blank	11/05/08	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010			0	0.00
MW-01	02/17/01	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	11/12/01	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	11/04/02	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	07/29/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	10/20/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	07/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	10/21/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	01/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	04/20/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	07/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	10/27/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	01/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	04/18/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	07/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	10/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01	11/28/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.58	92.58	2.0
MW-01A	11/04/02	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	07/29/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	10/20/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	07/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	10/21/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	01/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	04/20/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	07/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	10/27/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	01/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	04/18/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	07/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	10/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	03/28/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	06/26/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	09/25/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	01/10/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	04/14/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	07/22/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	92.50	82.50	67.50
MW-01A	11/05/08	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	92.50	82.50	67.50
MW-01A	03/05/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	92.50	82.50	67.50

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Quality Data (mg/L)						Water Table Elevation, Corrected for LNAPL Thickness (ft)				LNAPL Thickness (ft)			GW Column above BOS (ft)		Well Status (if not sampled)
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	Depth to LNAPL (ft)	GW Above TOS	GW Column above BOS (ft)		
MW-01A	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	76.96	15.54	0	no	9.46	
MW-01A	09/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	77.41	15.09	0	no	9.91	
MW-01A	12/09/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	76.32	16.18	0	no	8.82	
MW-01A	03/31/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	75.79	16.71	0	no	8.29	
MW-01A	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	76.77	15.73	0	no	9.27	
MW-01A	09/22/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	76.71	15.79	0	no	9.21	
MW-01A	12/16/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	75.56	16.94	0	no	8.06	
MW-01A	03/25/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	75.30	17.20	0	no	7.80	
MW-01A	05/25/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	75.86	16.64	0	no	8.36	
MW-01A	08/29/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	76.45	16.05	0	no	8.95	
MW-01A	11/23/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	75.78	16.72	0	no	8.28	
MW-01A	02/21/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	75.71	16.79	0	no	8.21	
MW-01A	05/22/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	75.90	16.60	0	no	8.40	
MW-01A	08/27/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	76.04	16.46	0	no	8.54	
MW-01A	11/29/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	92.50	82.50	67.50	2.0	75.32	17.18	0	no	7.82	
MW-01A	02/26/13							92.50	82.50	67.50	2.0	76.98	15.52	0	no	9.48	
MW-01A	05/16/13							92.50	82.50	67.50	2.0			0	no	9.00	
MW-01A	08/20/13							92.50	82.50	67.50	2.0	75.97	16.53	0	no	8.47	
MW-01A	11/18/13							92.50	82.50	67.50	2.0	76.41	16.09	0	no	8.91	
MW-01A	02/25/14							92.50	82.50	67.50	2.0	75.60	16.90	0	no	8.10	
MW-01A	04/29/14							92.50	82.50	67.50	2.0	75.50	17.00	0	no	8.00	
MW-01A	07/24/14							92.50	82.50	67.50	2.0	76.06	16.44	0	no	8.56	
MW-01A	10/16/14							92.50	82.50	67.50	2.0	75.97	16.53	0	no	8.47	
MW-01A	03/24/15							92.50	82.50	67.50	2.0	75.68	16.82	0	no	8.18	
MW-01A	06/22/15							92.50	82.50	67.50	2.0	77.97	14.53	0	no	10.47	
MW-01A	08/25/15							92.50	82.50	67.50	2.0	77.45	15.05	0	no	9.95	
MW-01A	11/25/15							92.50	82.50	67.50	2.0			0	no	0.00	
MW-01A	03/28/16							92.50	82.50	67.50	2.0	75.77	16.73	0	no	8.27	
MW-01A	06/15/16	<0.001	<0.001	0.0010	<0.001	<0.001	<0.001	92.50	82.50	67.50	2.0	76.74	15.76	0	no	9.24	
MW-01A	08/24/16	<0.001	<0.001	0.0010	<0.001	<0.001	<0.001	92.50	82.50	67.50	2.0	76.18	16.32	0	no	8.88	
MW-01A	05/16/17							92.50	82.50	67.50	2.0	75.11	17.39	0	no	7.61	
MW-01A	08/28/17							92.50	82.50	67.50	2.0	76.00	16.50	0	no	8.50	
MW-01A	11/20/17							92.50	82.50	67.50	2.0	75.90	16.60	0	no	8.40	
MW-01A	03/19/18							92.50	82.50	67.50	2.0	75.14	17.36	0	no	7.64	
MW-01A	06/14/18							92.50	82.50	67.50	2.0	77.87	14.63	0	no	10.37	
MW-01A	09/13/18							92.50	82.50	67.50	2.0	75.78	16.72	0	no	8.28	
MW-01A	12/05/18							92.50	82.50	67.50	2.0	75.43	17.07	0	no	7.93	
MW-01A	03/27/19							92.50	82.50	67.50	2.0	75.29	17.21	0	no	7.79	
MW-01A	06/12/19							92.50	82.50	67.50	2.0	75.84	16.66	0	no	8.34	
MW-01A	08/14/19							92.50	82.50	67.50	2.0	76.10	16.40	0	no	8.60	
MW-01A	12/12/19							92.50	82.50	67.50	2.0	75.20	17.30	0	no	7.70	
MW-01A	03/12/20							92.50	82.50	67.50	2.0	74.94	17.56	0	no	7.44	
MW-01B	11/04/20	4.5170	0.0363	2.3550	0.0773	0.1660	0.4780	23.20	98.60	93.60	2.0	87.30	11.30	0	no	3.70	
MW-01B	07/29/03	7.0160	0.1840	2.8380	1.0580	0.4780	23.20	98.60	93.60	2.0	89.88	8.72	0	no	6.28		

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						Depth to LNAPL (ft)	LNAPL Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)					
MW-01B	10/20/03	6.9760	0.1040	4.2520	0.6460	0.1210	28.00	98.60	93.60	2.0	88.45	10.15
MW-01B	01/19/04	8.6930	0.0359	4.3390	0.2190	0.1200	25.50	98.60	93.60	2.0	88.84	11.76
MW-01B	04/19/04	11.7690	0.2180	4.9790	1.8850	0.6390	46.20	98.60	93.60	2.0	88.93	9.67
MW-01B	07/19/04	4.5420	0.1700	5.5830	3.1890	0.1190	76.80	98.60	93.60	2.0	90.39	8.21
MW-01B	10/21/04	2.8960	0.0005	3.0700	2.6080	0.5870	45.00	98.60	93.60	2.0	90.42	8.18
MW-01B	01/21/05	4.2280	0.6730	0.9420	4.4650	0.2450	20.30	98.60	93.60	2.0	89.47	9.13
MW-01B	04/20/05	1.2220	0.0468	0.5010	0.1740	0.6480	6.94	98.60	93.60	2.0	91.15	7.45
MW-01B	07/21/05	1.3060	0.0005	2.7440	1.4550	0.0424	22.70	98.60	93.60	2.0	89.76	8.84
MW-01B	10/27/05	1.4140	0.0350	1.8030	0.9500	0.1080	36.10	98.60	93.60	2.0	89.89	8.71
MW-01B	01/19/06	4.3200	0.0814	5.4670	0.2400	0.0005	36.20	98.60	93.60	2.0	88.40	10.20
MW-01B	04/18/06	2.2830	0.1130	6.1950	0.9460	0.0005	48.30	98.60	93.60	2.0	88.47	10.13
MW-01B	07/19/06	1.8520	0.0942	5.9110	0.9800	0.0005	55.10	98.60	93.60	2.0	89.43	9.17
MW-01B	10/19/06	0.9860	0.0569	6.2700	1.0780	0.0005	50.50	98.60	93.60	2.0	89.50	9.10
MW-01B	11/28/06							98.60	93.60	2.0	0	0.00
MW-02	02/17/01	13.1900	3.2500	11.9400		9.0200	108.00	99.99	94.99	2.0	90.09	9.90
MW-02	07/29/03							99.99	94.99	2.0	90.44	9.57
MW-02	10/20/03							99.99	94.99	2.0	88.66	11.31
MW-02	01/19/04							99.99	94.99	2.0	87.98	12.23
MW-02	04/19/04							99.99	94.99	2.0	89.31	10.63
MW-02	07/19/04	13.7160	19.7870	4.5570	19.0940	1.8250	185.00	99.99	94.99	2.0	90.38	9.61
MW-02	10/21/04	12.6130	13.9210	5.0950	19.2840	2.9540	147.00	99.99	94.99	2.0	90.61	9.38
MW-02	01/21/05	9.5280	6.8110	3.5120	12.4970	2.4090	94.10	99.99	94.99	2.0	90.25	9.74
MW-02	04/20/05	5.1820	3.9650	1.2280	9.3580	0.9840	51.40	99.99	94.99	2.0	92.65	7.34
MW-02	07/21/05	5.6240	2.2800	4.0840	15.5910	1.9470	119.00	99.99	94.99	2.0	90.58	9.41
MW-02	10/27/05	9.3500	2.8640	3.2250	10.9540	1.1330	101.00	99.99	94.99	2.0	90.45	9.54
MW-02	01/19/06	9.8840	2.8940	4.1300	12.8890	1.8420	88.40	99.99	94.99	2.0	89.29	10.70
MW-02	04/18/06	6.5280	1.9370	4.7970	16.0990	2.2880	124.00	99.99	94.99	2.0	89.17	10.82
MW-02	07/19/06	8.9300	2.2070	2.8880	15.8630	1.1380	132.00	99.99	94.99	2.0	90.36	9.63
MW-02	10/19/06	11.1900	4.0600	4.0940	14.6060	1.3360	115.00	99.99	94.99	2.0	90.33	9.66
MW-02	11/28/06							99.99	94.99	2.0	0	0.00
MW-02A	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0087	0.50	0.0005	0.50	0	0.00
MW-02A	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0129	0.50	0.0005	0.50	2.0	74.49
MW-02A	07/29/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/20/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0087	0.50	0.0005	0.50	2.0	74.72
MW-02A	07/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/21/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	01/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	04/20/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	07/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/27/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	01/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	04/18/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	07/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	11/28/06							0.50	0.0005	0.50	0	0.00
MW-02A	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	07/29/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/20/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	07/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/27/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	01/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	04/18/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	07/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	11/28/06							0.50	0.0005	0.50	0	0.00
MW-02A	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	07/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/27/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	01/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	04/18/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	07/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	11/28/06							0.50	0.0005	0.50	0	0.00
MW-02A	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	07/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/27/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	01/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	04/18/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	07/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	10/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	0.0005	0.50	0	0.00
MW-02A	11/28/06							0.50	0.0005	0.50	0	0.00

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						GW Column above BOS (ft)			Well Status (if not sampled)						
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	LNAPL Thickness (ft)	GW Above TOS			
MW-02A	10/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	89.82	79.82	65.82	2.0	75.71	14.11	0	no	5.89
MW-02A	03/29/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0007	0.50	89.82	79.82	65.82	2.0	75.05	14.77	0	no	5.23
MW-02A	06/26/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	89.82	79.82	65.82	2.0	76.41	13.41	0	no	6.59
MW-02A	09/25/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	89.82	79.82	65.82	2.0	76.51	13.31	0	no	6.69
MW-02A	01/10/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	89.82	79.82	65.82	2.0	75.16	14.66	0	no	5.34
MW-02A	04/14/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	89.82	79.82	65.82	2.0	74.84	14.98	0	no	5.02
MW-02A	07/22/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	89.82	79.82	65.82	2.0	75.78	14.04	0	no	5.96
MW-02A	11/05/08	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	89.82	79.82	65.82	2.0	76.02	13.80	0	no	6.20
MW-02A	03/05/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	89.82	79.82	65.82	2.0	74.72	15.10	0	no	4.90
MW-02A	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	89.82	79.82	65.82	2.0	76.78	13.04	0	no	6.96
MW-02A	09/08/09								89.82	79.82	65.82	2.0	77.18	7.36	0	no	7.36
MW-02A	12/09/09								89.82	79.82	65.82	2.0	76.23	13.59	0	no	6.41
MW-02A	03/31/10								89.82	79.82	65.82	2.0	75.35	14.47	0	no	5.53
MW-02A	06/24/10								89.82	79.82	65.82	2.0	76.74	13.08	0	no	6.92
MW-02A	09/20/10								89.82	79.82	65.82	2.0	76.55	13.27	0	no	6.73
MW-02A	12/16/10								89.82	79.82	65.82	2.0	75.03	14.79	0	no	5.21
MW-02A	03/25/11								89.82	79.82	65.82	2.0	74.56	15.26	0	no	4.74
MW-02A	05/25/11								89.82	79.82	65.82	2.0	75.12	14.70	0	no	5.30
MW-02A	08/29/11								89.82	79.82	65.82	2.0	76.28	13.54	0	no	6.46
MW-02A	11/23/11								89.82	79.82	65.82	2.0	75.45	14.37	0	no	5.63
MW-02A	02/21/12								89.82	79.82	65.82	2.0	75.16	14.66	0	no	5.34
MW-02A	05/22/12								89.82	79.82	65.82	2.0	75.52	14.30	0	no	5.70
MW-02A	08/27/12								89.82	79.82	65.82	2.0	75.68	14.14	0	no	5.86
MW-02A	11/29/12								89.82	79.82	65.82	2.0	74.74	15.08	0	no	4.92
MW-02A	02/26/13								89.82	79.82	65.82	2.0	74.54	15.28	0	no	4.72
MW-02A	05/16/13								89.82	79.82	65.82	2.0	75.00	14.82	0	no	5.18
MW-02A	08/20/13								89.82	79.82	65.82	2.0	75.64	14.18	0	no	5.82
MW-02A	11/18/13								89.82	79.82	65.82	2.0	76.30	13.52	0	no	6.48
MW-02A	02/25/14								89.82	79.82	65.82	2.0	75.12	14.70	0	no	5.30
MW-02A	04/29/14								89.82	79.82	65.82	2.0	75.01	14.81	0	no	5.19
MW-02A	07/24/14								89.82	79.82	65.82	2.0	75.87	13.95	0	no	6.05
MW-02A	10/16/14								89.82	79.82	65.82	2.0	75.71	14.11	0	no	5.89
MW-02A	03/24/15								89.82	79.82	65.82	2.0	75.21	14.61	0	no	5.39
MW-02A	06/22/15								89.82	79.82	65.82	2.0	77.82	12.00	0	no	8.00
MW-02A	08/25/15								89.82	79.82	65.82	2.0	77.42	12.40	0	no	7.60
MW-02A	11/25/15								89.82	79.82	65.82	2.0	76.30	13.52	0	no	6.48
MW-02A	03/28/16								89.82	79.82	65.82	2.0	75.51	14.31	0	no	5.69
MW-02A	06/15/16								89.82	79.82	65.82	2.0	76.80	13.02	0	no	6.98
MW-02A	08/24/16								89.82	79.82	65.82	2.0	76.12	13.70	0	no	6.30
MW-02A	05/16/17								89.82	79.82	65.82	2.0	74.72	15.10	0	no	4.90
MW-02A	08/28/17								89.82	79.82	65.82	2.0	75.79	14.03	0	no	5.97
MW-02A	11/20/17								89.82	79.82	65.82	2.0	75.66	14.16	0	no	5.84
MW-02A	03/19/18								89.82	79.82	65.82	2.0	74.65	15.17	0	no	4.83
MW-02A	06/14/18								89.82	79.82	65.82	2.0	76.19	13.63	0	no	6.37

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						GW Column above BOS (ft)			GW Well Status (if not sampled)		
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
MW-02A	09/13/18							89.82	79.82	65.82	2.0	75.47	14.35
MW-02A	12/05/18							89.82	79.82	65.82	2.0	74.98	14.84
MW-02A	03/27/19							89.82	79.82	65.82	2.0	74.94	14.88
MW-02A	06/12/19							89.82	79.82	65.82	2.0	75.56	14.26
MW-02A	08/14/19							89.82	79.82	65.82	2.0	75.94	13.88
MW-02A	12/12/19							89.82	79.82	65.82	2.0	74.82	15.00
MW-02A	03/12/20							89.82	79.82	65.82	2.0	74.54	15.28
MW-03A	11/04/02	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	75.55	14.05
MW-03A	07/29/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	78.23	11.37
MW-03A	10/20/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	78.39	11.21
MW-03A	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	76.33	13.27
MW-03A	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	75.62	13.98
MW-03A	07/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	76.85	12.75
MW-03A	10/21/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	77.52	12.08
MW-03A	01/12/105	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	76.14	13.46
MW-03A	04/20/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	75.66	13.94
MW-03A	07/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	76.62	12.98
MW-03A	10/27/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	77.02	12.58
MW-03A	01/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	76.10	13.50
MW-03A	04/18/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	75.60	14.00
MW-03A	07/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	76.49	13.11
MW-03A	10/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	76.56	13.04
MW-03A	03/28/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	76.21	13.39
MW-03A	06/26/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	77.32	12.28
MW-03A	09/25/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	77.11	12.49
MW-03A	01/10/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	75.99	13.61
MW-03A	04/14/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	75.85	13.75
MW-03A	07/22/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	89.60	79.60	65.60	2.0	76.67	12.93
MW-03A	11/05/08	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	89.60	79.60	65.60	2.0	76.73	12.87
MW-03A	03/05/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	89.60	79.60	65.60	2.0	75.71	13.89
MW-03A	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	89.60	79.60	65.60	2.0	77.47	12.13
MW-03A	09/08/09							89.60	79.60	65.60	2.0	77.65	11.95
MW-03A	12/09/09							89.60	79.60	65.60	2.0	76.76	12.84
MW-03A	03/31/10							89.60	79.60	65.60	2.0	76.21	13.39
MW-03A	06/24/10							89.60	79.60	65.60	2.0	77.43	12.17
MW-03A	09/20/10							89.60	79.60	65.60	2.0	77.02	12.58
MW-03A	12/16/10							89.60	79.60	65.60	2.0	75.82	13.78
MW-03A	03/25/11							89.60	79.60	65.60	2.0	75.65	13.95
MW-03A	05/25/11							89.60	79.60	65.60	2.0	76.28	13.32
MW-03A	08/29/11							89.60	79.60	65.60	2.0	76.90	12.70
MW-03A	11/23/11							89.60	79.60	65.60	2.0	76.18	13.42
MW-03A	02/21/12							89.60	79.60	65.60	2.0	76.14	13.46
MW-03A	05/22/12							89.60	79.60	65.60	2.0	76.35	13.25
MW-03A	08/27/12							89.60	79.60	65.60	2.0	75.19	14.41

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						Depth to LNAPL (ft)	LNAPL Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)					
MW-03A	11/29/12							89.60	79.60	65.60	2.0	75.70
MW-03A	02/26/13							89.60	79.60	65.60	2.0	75.53
MW-03A	05/16/13							89.60	79.60	65.60	2.0	76.07
MW-03A	08/20/13							89.60	79.60	65.60	2.0	75.59
MW-03A	11/18/13							89.60	79.60	65.60	2.0	76.88
MW-03A	02/25/14							89.60	79.60	65.60	2.0	76.02
MW-03A	04/29/14							89.60	79.60	65.60	2.0	76.07
MW-03A	07/24/14							89.60	79.60	65.60	2.0	76.73
MW-03A	10/16/14							89.60	79.60	65.60	2.0	76.48
MW-03A	03/24/15							89.60	79.60	65.60	2.0	76.25
MW-03A	06/22/15							89.60	79.60	65.60	2.0	78.67
MW-03A	08/25/15							89.60	79.60	65.60	2.0	78.18
MW-03A	11/25/15							89.60	79.60	65.60	2.0	76.97
MW-03A	03/28/16							89.60	79.60	65.60	2.0	76.35
MW-03A	06/15/16							89.60	79.60	65.60	2.0	77.59
MW-03A	08/24/16							89.60	79.60	65.60	2.0	76.82
MW-03A	05/16/17							89.60	79.60	65.60	2.0	75.85
MW-03A	08/28/17							89.60	79.60	65.60	2.0	76.57
MW-03A	11/20/17							89.60	79.60	65.60	2.0	76.32
MW-03A	03/19/18							89.60	79.60	65.60	2.0	75.71
MW-03A	06/14/18							89.60	79.60	65.60	2.0	76.27
MW-03A	09/13/18							89.60	79.60	65.60	2.0	75.93
MW-03A	12/05/18							89.60	79.60	65.60	2.0	75.99
MW-03A	03/27/19							89.60	79.60	65.60	2.0	75.95
MW-03A	06/12/19							89.60	79.60	65.60	2.0	75.55
MW-03A	08/14/19							89.60	79.60	65.60	2.0	76.73
MW-03A	12/12/19							89.60	79.60	65.60	2.0	75.72
MW-03A	03/12/20							89.60	79.60	65.60	2.0	75.48
MW-04	02/17/01	1.0500	0.9550	3.7050	8.9250		48.80	98.43	92.93	82.93	2.0	87.53
MW-04	11/12/01	4.6500	3.2700	2.9300	1.2700	54.60		98.43	92.93	82.93	2.0	87.03
MW-04	11/04/02	12.1230	8.7920	3.9740	14.6960	1.8360		98.43	92.93	82.93	2.0	85.83
MW-04	07/29/03	3.7220	2.0140	4.1920	6.2770	0.1930	40.10	98.43	92.93	82.93	2.0	88.42
MW-04	10/20/03	6.9920	8.1600	3.8310	15.5650	0.2720	80.30	98.43	92.93	82.93	2.0	86.71
MW-04	01/19/04	9.8500	8.4800	3.6620	13.3000	4.7030	83.40	98.43	92.93	82.93	2.0	85.46
MW-04	04/19/04	0.3520	0.8060	0.8770	4.2550	0.1580	27.20	98.43	92.93	82.93	2.0	87.14
MW-04	07/19/04	0.4460	0.0167	1.2090	0.6200	0.0005	14.60	98.43	92.93	82.93	2.0	88.22
MW-04	10/21/04	1.3880	0.1410	1.1240	1.3220	0.1880	18.50	98.43	92.93	82.93	2.0	88.40
MW-04	01/21/05	2.3370	0.3050	2.4370	1.7680	0.3170	30.50	98.43	92.93	82.93	2.0	87.42
MW-04	04/20/05	1.5930	0.3710	1.4500	2.5980	0.2840	19.30	98.43	92.93	82.93	2.0	90.63
MW-04	07/21/05	1.1010	0.3020	1.5200	1.0510	0.0529	16.60	98.43	92.93	82.93	2.0	87.72
MW-04	10/27/05	0.1290	0.0230	0.1410	0.2470	0.0147	4.86	98.43	92.93	82.93	2.0	87.81
MW-04	01/19/06	9.9280	3.4140	1.2770	4.4830	0.5700	30.20	98.43	92.93	82.93	2.0	86.80
MW-04	04/18/06	5.5860	2.2460	0.8030	2.7050	3.3340	25.80	98.43	92.93	82.93	2.0	86.52
MW-04	07/19/06	7.5080	3.1960	1.1460	4.2430	1.4660	50.40	98.43	92.93	82.93	2.0	87.67

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

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the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						GW Column above BOS (ft)			Well Status (if not sampled)			
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	LNAPL Thickness (ft)	GW Above TOS	
MW-04	10/19/06	10.5280	2.2820	3.6370	5.5400	2.4350	54.80	98.43	92.93	82.93	2.0	87.46	10.97	0 no 4.53
MW-04	11/28/06													0 no 0.00 DESS
MW-04A	11/04/02	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	101.19	91.19	81.19	2.0	86.24	14.95	0 no 5.05
MW-04A	07/29/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	88.62	12.57	0 no 7.43
MW-04A	10/20/03	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.87	13.32	0 no 6.88
MW-04A	01/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	85.76	15.43	0 no 4.57
MW-04A	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	86.68	14.51	0 no 5.49
MW-04A	07/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	88.14	13.05	0 no 6.95
MW-04A	10/21/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	88.00	13.19	0 no 6.81
MW-04A	01/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	86.69	14.50	0 no 5.50
MW-04A	04/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	86.97	14.22	0 no 5.78
MW-04A	07/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.69	13.50	0 no 6.50
MW-04A	10/27/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.53	13.66	0 no 6.34
MW-04A	01/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	86.48	14.71	0 no 5.29
MW-04A	04/18/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	86.45	14.74	0 no 5.26
MW-04A	07/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.60	13.59	0 no 6.41
MW-04A	10/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.31	13.88	0 no 6.12
MW-04A	03/28/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.58	13.61	0 no 6.39
MW-04A	06/26/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.96	13.23	0 no 6.77
MW-04A	09/25/07	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.64	13.55	0 no 6.45
MW-04A	01/10/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.00	14.19	0 no 5.81
MW-04A	04/14/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.10	14.09	0 no 5.91
MW-04A	07/22/08	0.0005	0.0005	0.0005	0.0005	0.0005	0.50	101.19	91.19	81.19	2.0	87.80	13.39	0 no 6.61
MW-04A	11/05/08	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.38	13.81	0 no 6.19
MW-04A	03/05/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.24	13.95	0 no 6.05
MW-04A	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	89.41	11.78	0 no 8.22
MW-04A	09/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.86	13.33	0 no 6.67
MW-04A	12/10/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.45	13.74	0 no 6.26
MW-04A	03/31/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.68	13.51	0 no 6.49
MW-04A	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	88.58	11.70	0 no 7.39
MW-04A	09/20/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.07	13.49	0 no 6.51
MW-04A	12/16/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	86.66	14.53	0 no 5.47
MW-04A	03/25/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	86.82	14.37	0 no 5.63
MW-04A	05/25/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.93	13.26	0 no 6.74
MW-04A	08/29/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.84	13.35	0 no 6.65
MW-04A	11/23/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.04	14.15	0 no 5.85
MW-04A	02/21/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.44	13.75	0 no 6.25
MW-04A	05/22/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.49	13.70	0 no 6.30
MW-04A	08/27/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.29	13.90	0 no 6.10
MW-04A	11/29/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	86.67	14.52	0 no 5.48
MW-04A	02/26/13	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	85.91	15.28	0 no 4.72
MW-04A	05/16/13	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	101.19	91.19	81.19	2.0	87.51	13.68	0 no 6.32
MW-04A	08/20/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.5	101.19	91.19	81.19	2.0	87.35	13.84	0 no 6.16
MW-04A	11/18/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.5	101.19	91.19	81.19	2.0	87.16	14.03	0 no 5.97

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1) Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						GW Column above BOS (ft)			Well Status (if not sampled)			
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzenes (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	
MW-04A	02/25/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	<0.5	101.19	91.19	81.19	2.0	86.85	14.34
MW-04A	04/29/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	<0.5	101.19	91.19	81.19	2.0	86.98	14.21
MW-04A	07/24/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	<0.50	101.19	91.19	81.19	2.0	87.59	13.60
MW-04A	10/16/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	<0.50	101.19	91.19	81.19	2.0	87.38	13.81
MW-04A	03/24/15								101.19	91.19	81.19	2.0	87.48	13.71
MW-04A	06/22/15								101.19	91.19	81.19	2.0	88.47	12.72
MW-04A	08/25/15	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	<0.50	101.19	91.19	81.19	2.0	88.51	12.68
MW-04A	11/25/15								101.19	91.19	81.19	2.0	87.50	13.69
MW-04A	03/28/16								101.19	91.19	81.19	2.0	87.88	13.31
MW-04A	06/15/16								101.19	91.19	81.19	2.0	88.32	12.87
MW-04A	08/24/16								101.19	91.19	81.19	2.0	83.81	17.38
MW-04A	05/16/17	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	<0.50	101.19	91.19	81.19	2.0	87.27	13.92
MW-04A	08/28/17								101.19	91.19	81.19	2.0	0	0.00
MW-04A	11/20/17								101.19	91.19	81.19	2.0	0	0.00
MW-04A	03/19/18								101.19	91.19	81.19	2.0	0	0.00
MW-04A	06/14/18								101.19	91.19	81.19	2.0	88.26	12.93
MW-04A	09/13/18								101.19	91.19	81.19	2.0	89.26	11.93
MW-04A	12/05/18								101.19	91.19	81.19	2.0	87.01	14.18
MW-04A	03/27/19								101.19	91.19	81.19	2.0	87.66	13.53
MW-04A	06/12/19								101.19	91.19	81.19	2.0	87.09	14.10
MW-04A	08/14/19								101.19	91.19	81.19	2.0	88.07	13.12
MW-04A	12/12/19								101.19	91.19	81.19	2.0	86.89	14.30
MW-04A	03/12/20								101.19	91.19	81.19	2.0	82.41	18.78
MW-11	01/19/15	2.0600	0.6320	1.0000	4.0600	0.1470	31.10	96.19	91.70	71.70	2.0	80.25	15.94	
MW-11	03/24/15	1.5300	0.1140	0.5920	2.1400	0.2160	17.60	96.19	91.70	71.70	2.0	80.28	15.91	
MW-11	06/22/15	1.5600	0.0150	0.2310	0.6880	0.1160	14.50	96.19	91.70	71.70	2.0	84.34	11.85	
MW-11	07/16/15							96.19	91.70	71.70	2.0	83.21	12.98	
MW-11	08/25/15	0.9220	0.0210	0.3170	0.3000	0.1330	9.43	96.19	91.70	71.70	2.0	82.28	13.91	
MW-11	11/25/15	1.0600	0.0420	0.6340	0.7670	0.0790	14.10	96.19	91.70	71.70	2.0	81.02	15.17	
MW-11	03/28/16	0.3420	0.0180	0.2260	0.2850	0.0420	4.71	96.19	91.70	71.70	2.0	81.12	15.07	
MW-11	06/15/16	1.4500	0.0320	1.0000	0.2790	0.1720	11.90	96.19	91.70	71.70	2.0	82.15	14.04	
MW-11	07/15/16	1.0300	0.0600	0.8310	0.7190	0.1060	14.50	96.19	91.70	71.70	2.0	81.70	14.49	
MW-11	08/24/16	2.4800	0.2000	1.0000	1.8500	0.0850	28.60	96.19	91.70	71.70	2.0	80.79	15.40	
MW-11	05/16/17	1.9600	0.0110	0.9470	0.3320	0.1250	96.19	91.70	71.70	2.0	80.26	15.93		
MW-11	08/28/17	0.4300	0.0260	0.2180	0.5620	5.01		96.19	91.70	71.59	2.0	80.94	15.25	
MW-11	11/20/17	0.0670	0.0020	0.0400	0.0580	0.88		96.19	91.70	71.59	2.0	80.70	15.49	
MW-11	03/19/18	0.1070	0.0010	0.0530	0.0120	1.17		96.19	91.70	71.59	2.0	79.92	16.27	
MW-11	06/14/18	<0.001	<0.001	<0.001	<0.001	0.62		96.19	91.70	71.59	2.0	80.00	16.19	
MW-11	09/13/18	<0.001	<0.001	<0.001	<0.001	<0.50		96.19	91.70	71.59	2.0	80.64	15.55	
MW-11	12/05/18	0.0290	<0.001	0.0130	0.0030	<0.50		96.19	91.70	71.59	2.0	80.26	15.93	
MW-11	03/27/19	0.2830	0.0010	0.0860	0.0330	2.71		96.19	91.70	71.59	2.0	80.44	15.75	
MW-11	06/12/19	0.0360	<0.001	0.0180	0.0080	2.39		96.19	91.70	71.59	2.0	81.73	14.46	
MW-11	08/14/19	0.0730	<0.001	0.0100	0.0030	0.69		96.19	91.70	71.59	2.0	81.04	15.15	
MW-11	12/12/19	0.0030	0.0040	0.0010	0.0090	<0.50		96.19	91.70	71.59	2.0	79.97	16.22	

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1

Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Quality Data (mg/L)						Water Table Elevation, Corrected for LNAPL Thickness (ft)			GW Column above BOS (ft)			Well Status (if not sampled)
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzenes (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	
MW-11	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.001	<0.50	96.19	91.70	71.59	2.0	79.74	16.45	0 no 8.15
MW-12	01/20/15	<0.001	<0.001	<0.001	<0.001	0.0010	2.4100	2.41	94.62	90.30	2.0	77.44	17.18	0 no 7.14
MW-12	03/24/15	0.0030	0.0080	0.0030	0.0010	0.0120	2.7400	2.86	94.62	90.30	2.0	77.68	16.94	0 no 7.38
MW-12	06/22/15	0.0090	<0.001	<0.001	<0.001	0.0010	3.9000	4.41	94.62	90.30	2.0	79.93	14.69	0 no 9.63
MW-12	07/16/15								94.62	90.30	2.0	79.60	15.02	0 no 9.30 NOP
MW-12	08/25/15	<0.001	<0.001	<0.001	<0.001	0.0010	2.4600	2.53	94.62	90.30	2.0	79.06	15.56	0 no 8.76
MW-12	11/25/15	0.0010	0.0050	0.0040	0.0050	0.0050	3.0900	3.23	94.62	90.30	2.0	78.02	16.60	0 no 7.72
MW-12	03/28/16	<0.001	<0.001	<0.001	<0.001	0.0010	2.2700	2.35	94.62	90.30	2.0	77.78	16.84	0 no 7.48
MW-12	06/15/16	<0.001	<0.001	<0.001	<0.001	0.0010	3.0500	3.06	94.62	90.30	2.0	78.72	15.90	0 no 8.42
MW-12	08/24/16	<0.001	<0.001	<0.001	<0.001	0.0010	2.0200	3.04	94.62	90.30	2.0	77.99	16.63	0 no 7.69
MW-12	05/16/17	<0.001	<0.001	<0.001	<0.001	0.0010		5.65	94.62	90.30	2.0	77.50	17.12	0 no 7.20
MW-12	08/28/17								94.62	90.30	2.0	78.04	16.58	0 no 7.64 NOP
MW-12	11/20/17	<0.001	<0.001	<0.001	<0.001	0.0010		2.29	94.62	90.30	2.0	77.92	16.70	0 no 7.70
MW-12	03/19/18	<0.001	<0.001	<0.001	<0.001	0.0010		1.01	94.62	90.30	2.0	77.24	17.38	0 no 7.02
MW-12	06/14/18	<0.001	<0.001	<0.001	<0.001	0.0010		3.06	94.62	90.30	2.0	77.83	16.79	0 no 7.61
MW-12	09/13/18	<0.001	<0.001	<0.001	<0.001	0.0010		4.37	94.62	90.30	2.0	77.79	16.83	0 no 7.57
MW-12	12/05/18	<0.001	<0.001	<0.001	<0.001	0.0010		2.26	94.62	90.30	2.0	77.56	17.06	0 no 7.34
MW-12	03/27/19	<0.001	<0.001	<0.001	<0.001	0.0010		1.97	94.62	90.30	2.0	77.44	17.18	0 no 7.22
MW-12	06/12/19	<0.001	<0.001	<0.001	<0.001	0.0010		2.20	94.62	90.30	2.0	78.07	16.55	0 no 7.85
MW-12	08/14/19	<0.001	<0.001	<0.001	<0.001	0.0010		1.22	94.62	90.30	2.0	78.13	16.49	0 no 7.91
MW-12	12/12/19	<0.001	<0.001	<0.001	<0.001	0.0010		1.65	94.62	90.30	2.0	79.91	14.71	0 no 9.69
MW-12	03/12/20	<0.001	<0.001	<0.001	<0.001	0.0010		<0.50	94.62	90.30	2.0	76.56	18.06	0 no 6.34
MW-13	05/25/16	<0.001	<0.001	<0.001	<0.001	0.0020	0.008	3.42	97.47	92.72	2.0	82.96	14.51	0 no 10.24
MW-13	06/15/16	<0.001	<0.001	<0.001	<0.001	0.0010	0.0240	1.75	97.47	92.72	2.0	82.39	15.08	0 no 9.67
MW-13	08/24/16	<0.001	<0.001	<0.001	<0.001	0.0010	0.0270	0.73	97.47	92.72	2.0	80.96	16.51	0 no 8.24
MW-13	05/16/17	<0.001	<0.001	<0.001	<0.001	0.0010		<0.50	97.47	92.72	2.0	80.44	17.03	0 no 7.72
MW-13	08/28/17	<0.001	<0.001	<0.001	<0.001	0.0010		<0.50	97.47	92.72	2.0	81.21	16.26	0 no 8.35
MW-13	11/20/17	<0.001	<0.001	<0.001	<0.001	0.0010		0.81	97.47	92.72	2.0	81.01	16.46	0 no 8.15
MW-13	03/19/18	<0.001	<0.001	<0.001	<0.001	0.0010		<0.50	97.47	92.72	2.0	80.16	17.31	0 no 7.30
MW-13	06/14/18	<0.001	<0.001	<0.001	<0.001	0.0010		<0.50	97.47	92.72	2.0	81.34	16.13	0 no 8.48
MW-13	09/12/18	<0.001	<0.001	<0.001	<0.001	0.0010		<0.50	97.52	92.72	2.0	80.97	16.55	0 no 8.11
MW-13	12/05/18	<0.001	<0.001	<0.001	<0.001	0.0010		<0.50	97.52	92.72	2.0	80.57	16.95	0 no 7.71
MW-13	03/27/19	<0.001	<0.001	<0.001	<0.001	0.0010		<0.50	97.52	92.72	2.0	80.78	16.74	0 no 7.92
MW-13	06/12/19	<0.001	<0.001	<0.001	<0.001	0.0010		0.69	97.52	92.72	2.0	82.26	15.26	0 no 9.40
MW-13	08/14/19	<0.001	<0.001	<0.001	<0.001	0.0010		0.92	97.52	92.72	2.0	81.37	16.15	0 no 8.51
MW-13	12/12/19	<0.001	<0.001	<0.001	<0.001	0.0010		<0.50	97.52	92.72	2.0	80.12	17.40	0 no 7.26
MW-13	03/12/20	<0.001	<0.001	<0.001	<0.001	0.0010		<0.50	97.52	92.72	2.0	79.85	17.67	0 no 6.99
MW-14	05/25/16	2.6200	4.8300	116.0000	291.0000	<0.10	3415.00	97.57	93.01	2.0	82.63	14.94	0 no 9.62	
MW-14	06/15/16	0.8860	0.3160	4.8700	8.1700	0.1600	84.60	97.57	93.01	2.0	82.09	15.48	0 no 9.08	
MW-14	07/15/16	0.6790	0.2650	4.2700	6.1000	0.0360	62.40	97.57	93.01	2.0	81.66	15.91	0 no 8.65	
MW-14	08/24/16	0.6760	0.2140	3.7700	6.1000	0.0360	90.30	97.57	93.01	2.0	80.72	16.85	0 no 7.71	
MW-14	05/16/17	2.4500	0.0880	1.7900	2.4000				97.57	93.01	2.0	80.12	17.45	0 no 7.11
MW-14	08/28/17	0.1780	0.0260				9.00	97.57	93.01	2.0	80.95	16.62	0 no 7.95	
MW-14	11/20/17	2.6300	0.1090	2.1500	3.0700		27.60	97.57	93.01	2.0	80.67	16.90	0 no 7.67	

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Laboratory Data						Elevations						GW Column above BOS (ft)			Well Status (if not sampled)	
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Water Table Elevation, Corrected for LNAPL Thickness (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)	
MW-14	03/19/18	3.0100	0.1600	3.2100	3.7000	31.20	97.57	93.01	73.00	2.0	79.83	17.74	0	0	6.83			
MW-14	06/14/18	0.7480	0.0380	0.1710	0.6880	4.98	97.57	93.01	73.00	2.0	80.99	16.58	0	0	7.99			
MW-14	09/12/18	1.2300	0.0650	0.5960	0.6880	8.44	97.82	93.01	73.00	2.0	80.91	16.91	0	0	7.91			
MW-14	12/05/18	0.9580	0.0460	0.9470	0.9150	12.10	97.82	93.01	73.00	2.0	79.41	18.41	0	0	6.41			
MW-14	03/27/19	0.8480	0.0400	0.6730	0.5640	9.97	97.82	93.01	73.00	2.0	80.54	17.28	0	0	7.54			
MW-14	06/12/19	0.9120	0.0390	1.0500	0.8930	16.20	97.82	93.01	73.00	2.0	81.92	15.90	0	0	8.92			
MW-14	08/14/19	3.9700	0.1550	2.6000	2.6100	38.60	97.82	93.01	73.00	2.0	81.25	16.57	0	0	8.25			
MW-14	12/12/19	0.0020	0.0040	0.0020	0.0050	<0.50	97.82	93.01	73.00	2.0	80.03	17.79	0	0	7.03			
MW-14	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.50	97.82	93.01	73.00	2.0	79.85	17.97	0	0	6.85			
MW-15	05/25/16	<0.001	0.0170	2.3900	1.1300	<0.001	22.20	97.96	94.97	2.0	82.76	15.20	0	0	7.79			
MW-15	06/15/16	<0.001	0.0100	1.2000	0.6830	<0.001	15.00	97.96	94.97	2.0	82.22	15.74	0	0	7.25			
MW-15	07/15/16	<0.001	0.0030	1.2400	0.7210	<0.001	17.30	97.96	94.97	2.0	81.78	16.18	0	0	6.81			
MW-15	08/24/16	<0.001	<0.001	0.6190	0.2830	0.0120	13.30	97.96	94.97	2.0	80.85	17.11	0	0	5.88			
MW-15	05/16/17	<0.001	<0.001	0.0990	0.0130		19.50	97.96	94.97	2.0	80.29	17.67	0	0	5.32			
MW-15	08/28/17	<0.001	<0.001	0.2110	0.0170		7.57	97.96	94.97	2.0	81.05	16.91	0	0	7.89			
MW-15	11/20/17	<0.001	<0.001	0.2750	0.0070		8.53	97.96	94.97	2.0	80.82	17.14	0	0	7.66			
MW-15	03/19/18							97.96	94.97	2.0	80.01	17.95	0	0	6.85	NOP		
MW-15	06/14/18	<0.001	<0.001	0.2040	0.0120		8.04	97.96	94.97	2.0	84.14	13.82	0	0	10.98			
MW-15	09/12/18							98.02	94.97	2.0	80.78	17.24	0	0	7.62	NOP		
MW-15	12/05/18	<0.001	<0.001	0.0260	0.0010		4.92	98.02	94.97	2.0	80.39	17.63	0	0	7.23			
MW-15	03/27/19	<0.001	<0.001	0.0680	0.0120		11.00	98.02	94.97	2.0	80.61	17.41	0	0	7.45			
MW-15	06/12/19							98.02	94.97	2.0	81.97	16.05	0	0	8.81	NOP		
MW-15	08/14/19	<0.0040	<0.001	0.1170	0.0300		15.60	98.02	94.97	2.0	81.19	16.83	0	0	8.03			
MW-15	12/12/19	0.0010	0.0040	0.0010	0.0070	<0.50	98.02	94.97	73.16	2.0	88.48	9.54	0	0	15.32			
MW-15	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.50	98.02	94.97	73.16	2.0	80.68	17.34	0	0	7.52			
MW-16	05/25/16	0.6310	0.3280	4.2400	7.7700	0.0650	68.50	97.29	92.96	2.0	82.70	14.59	0	0	9.74			
MW-16	06/15/16	0.5620	0.2650	2.7400	6.7000	<0.001	57.80	97.29	92.96	2.0	82.18	15.11	0	0	9.22			
MW-16	08/24/16	0.4190	0.2020	2.3800	3.6000	0.0060	48.00	97.29	92.96	2.0	80.82	16.49	0.02	0	7.86	FP		
MW-16	05/16/17	0.5310	0.1760	2.1100	1.8800		36.00	97.29	92.96	2.0	80.29	17.00	0	0	7.33			
MW-16	08/28/17	0.2790	0.1700	1.3600	1.6500		34.10	97.29	92.96	2.0	81.04	16.25	0	0	8.05			
MW-16	11/20/17	0.1690	0.0820	1.2300	0.9830		16.00	97.29	92.96	2.0	80.81	16.48	0	0	7.82			
MW-16	03/19/18	0.3240	0.1670	1.9300	1.8200		30.80	97.29	92.96	2.0	79.99	17.30	0	0	7.45			
MW-16	06/14/18	0.3960	0.0500	0.7240	0.5130		7.13	97.29	92.96	2.0	81.09	16.20	0	0	8.55			
MW-16	09/12/18	0.5450	0.1340	1.0900	1.1900		20.30	97.33	92.96	2.0	80.80	16.53	0	0	8.26			
MW-16	12/05/18	0.3510	0.0790	1.1700	1.0000		14.70	97.33	92.96	2.0	79.42	17.91	0	0	6.88			
MW-16	03/27/19	0.5600	0.0910	1.3100	1.0100		15.60	97.33	92.96	2.0	80.52	16.81	0	0	7.98			
MW-16	06/12/19	0.6420	0.0510	0.7770	0.5900		12.30	97.33	92.96	2.0	81.84	15.49	0	0	9.30			
MW-16	08/14/19	1.5100	0.2070	2.7900	2.3500		40.80	97.33	92.96	2.0	81.15	16.18	0	0	8.61			
MW-16	12/12/19	0.0020	0.0060	0.0010	0.0100	<0.50	97.33	92.96	72.54	2.0	80.03	17.30	0	0	7.49			
MW-16	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.50	97.33	92.96	72.54	2.0	79.62	17.71	0	0	7.08			
MW-17	05/25/16	0.0260	<0.001	0.0160	0.0130	0.0200	0.76	95.16	90.86	2.0	82.43	12.73	0	0	11.57			
MW-17	06/15/16	<0.001	<0.001	0.0100	0.0010	0.0840	0.57	95.16	90.86	2.0	81.92	13.24	0	0	11.06			
MW-17	07/15/16	0.3930	0.0120	0.0890	0.1010	0.1490	4.61	95.16	90.86	2.0	81.47	13.69	0	0	10.61			
MW-17	08/24/16	0.0920	<0.001	0.0040	0.0020	0.1300	2.28	95.16	90.86	2.0	80.65	14.51	0	0	9.79			

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Quality Data (mg/L)						Water Table Elevation, Corrected for LNAPL Thickness (ft)						GW Column above BOS (ft)			Well Status (if not sampled)
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	
MW-17	05/16/17	0.1600	0.0040	0.0100	0.0180	1.26	95.16	90.86	70.86	2.0	80.06	15.10	0	no	9.20	NOP	
MW-17	08/28/17						95.16	90.86	78.66	2.0	80.75	14.41	0	no	2.09		
MW-17	11/20/17	0.0010	<0.001	<0.001	<0.001	<0.50	95.16	90.86	70.86	2.0	80.38	14.78	0	no	9.52		
MW-17	03/19/18	<0.001	0.0010	<0.001	<0.001	<0.50	95.16	90.86	72.25	2.0	79.61	15.55	0	no	7.36		
MW-17	06/14/18	<0.001	<0.001	<0.001	<0.001	<0.50	95.16	90.86	72.25	2.0	80.63	14.53	0	no	8.38		
MW-17	09/13/18	<0.001	<0.001	<0.001	<0.001	<0.50	95.22	90.86	72.25	2.0	80.22	15.00	0	no	7.97		
MW-17	12/05/18	<0.001	<0.001	<0.001	<0.001	<0.50	95.22	90.86	72.25	2.0	79.86	15.36	0	no	7.61		
MW-17	03/27/19	<0.001	<0.001	<0.001	<0.001	<0.50	95.22	90.86	72.25	2.0	79.99	15.23	0	no	7.74		
MW-17	06/12/19						95.22	90.86	72.25	2.0	81.33	13.89	0	no	9.08	NOP	
MW-17	08/14/19	<0.001	<0.001	<0.001	<0.001	<0.50	95.22	90.86	72.25	2.0	80.67	14.55	0	no	8.42		
MW-17	12/12/19	0.0010	0.0050	0.0010	0.0009	<0.50	95.22	90.86	72.25	2.0	79.47	15.75	0	no	7.22		
MW-17	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.50	95.22	90.86	72.25	2.0	78.82	16.40	0	no	6.57		
MW-18	05/25/16	0.0360	<0.001	0.0080	0.0020	0.0560	1.24	95.42	90.79	70.79	2.0	78.91	16.51	0	no	8.12	
MW-18	06/15/16	<0.001	<0.001	<0.001	<0.001	0.2300	<0.50	95.42	90.79	70.79	2.0	78.72	16.70	0	no	7.93	
MW-18	07/15/16	<0.001	<0.001	<0.001	<0.001	0.0610	0.63	95.42	90.79	70.79	2.0	78.48	16.94	0	no	7.69	
MW-18	08/24/16	<0.001	<0.001	<0.001	0.0010	0.4910	0.61	95.42	90.79	70.79	2.0	78.01	17.41	0	no	7.22	
MW-18	05/16/17	<0.001	<0.001	<0.001	<0.001	0.0010		95.42	90.79	70.79	2.0	77.96	17.46	0	no	7.17	
MW-18	08/28/17	<0.0030	<0.001	<0.001	<0.001	1.16		95.42	90.79	70.82	2.0	78.11	17.31	0	no	7.29	
MW-18	11/20/17	0.0050	<0.001	<0.001	<0.001	<0.50		95.42	90.79	70.82	2.0	77.93	17.49	0	no	7.11	
MW-18	03/19/18	<0.001	<0.001	<0.001	<0.001	0.51		95.42	90.79	70.82	2.0	77.71	17.71	0	no	6.89	
MW-18	06/14/18	0.0050	<0.001	<0.001	<0.001	0.88		95.42	90.79	70.82	2.0	78.07	17.35	0	no	7.25	
MW-18	09/13/18	<0.001	<0.001	<0.001	<0.001	0.56		95.50	90.79	70.82	2.0	78.01	17.49	0	no	7.19	
MW-18	12/05/18	<0.001	<0.001	<0.001	<0.001	0.95		95.50	90.79	70.82	2.0	77.87	17.63	0	no	7.05	
MW-18	03/27/19	<0.001	<0.001	<0.001	<0.001	1.02		95.50	90.79	70.82	2.0	78.00	17.50	0	no	7.18	
MW-18	06/12/19	0.0100	<0.001	0.0020	0.0020	0.82		95.50	90.79	70.82	2.0	78.24	17.25	0	no	7.42	
MW-18	08/14/19	0.0010	<0.001	<0.001	<0.001	<0.50		95.50	90.79	70.82	2.0	77.58	17.92	0	no	6.76	
MW-18	12/12/19	<0.001	<0.001	<0.001	<0.001	0.71		95.50	90.79	70.82	2.0	77.70	17.80	0	no	6.88	
MW-18	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.50		95.50	90.79	70.82	2.0	77.59	17.91	0	no	6.77	
MW-19	05/26/17	2.4700	0.2020	1.6600	4.0100	45.10		96.51	92.12	72.12	2.0	82.09	14.42	0	no	9.97	
MW-19	08/28/17							96.51	92.12	72.31	2.0	81.20	15.31	0	no	8.89	NOP
MW-19	11/20/17	<0.001	<0.001	<0.001	<0.001	<0.50		96.51	92.12	72.31	2.0	80.95	15.56	0	no	8.64	
MW-19	03/19/18	0.3230	0.0100	0.0300	0.0370	1.67		96.51	92.12	72.31	2.0	80.27	16.24	0	no	7.96	
MW-19	06/14/18	0.5020	0.0060	0.0020	0.0220	1.46		96.51	92.12	72.31	2.0	80.36	16.15	0	no	8.05	
MW-19	09/12/18	0.7730	0.0260	0.0170	0.1370	2.70		96.22	92.12	72.31	2.0	80.73	15.49	0	no	8.42	
MW-19	12/05/18	0.2750	0.0020	0.0060	<0.001	0.82		96.22	92.12	72.31	2.0	80.32	15.90	0	no	8.01	
MW-19	03/27/19	1.6500	0.0290	0.0030	0.0820	4.68		96.22	92.12	72.31	2.0	80.49	15.73	0	no	8.18	
MW-19	06/12/19	1.1200	0.0490	0.2670	0.1870	6.74		96.22	92.12	72.31	2.0	81.75	14.47	0	no	9.44	
MW-19	08/14/19	1.8400	0.1150	0.6830	0.5850	9.76		96.22	92.12	72.31	2.0	81.07	15.15	0	no	8.76	
MW-19	12/12/19	0.0050	0.0020	0.0020	0.0060	<0.50		96.22	92.12	72.31	2.0	79.97	16.25	0	no	7.66	
MW-19	03/12/20	0.0010	<0.001	<0.001	<0.001	<0.50		96.22	92.12	72.31	2.0	80.32	15.90	0	no	7.39	
MW-20	05/31/17	0.1360	0.0040	<0.001	0.1020	1.63		94.80	90.35	70.35	2.0	80.88	13.92	0	no	10.53	
MW-20	08/28/17	0.1170	<0.001	0.0490	0.0020	1.57		94.80	90.35	70.27	2.0	80.80	14.00	0	no	10.53	
MW-20	11/20/17	0.0150	<0.001	0.0200	<0.001	0.70		94.80	90.35	70.30	2.0	80.55	14.25	0	no	10.25	
MW-20	03/19/18	0.0640	0.0020	0.0490	0.0060	1.65		94.80	90.35	70.30	2.0	79.85	14.95	0	no	9.95	

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

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the additional row. Then click "New Row".

Well ID	Date	Laboratory Data						Elevations						GW Column above BOS (ft)			Well Status (if not sampled)
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Water Table Elevation, Corrected for LNAPL Thickness (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	GW Above TOS		
MW-20	06/14/18	0.0360	<0.001	0.0030	0.0050	0.71	94.80	90.35	70.30	2.0	80.84	13.96	0	no	10.54		
MW-20	09/13/18	<0.001	<0.001	<0.001	<0.001	<0.50	94.84	90.35	70.30	2.0	80.48	14.36	0	no	10.18		
MW-20	10/09/18	0.0010	<0.001	<0.001	<0.001	0.90	94.84	90.35	70.30	2.0	80.43	14.41	0	no	10.13		
MW-20	12/05/18	0.0010	<0.001	<0.001	<0.001	<0.50	94.84	90.35	70.30	2.0	80.16	14.68	0	no	9.86		
MW-20	03/27/19	0.2860	0.0200	0.3330	0.2870	5.30	94.84	90.35	70.30	2.0	80.36	14.48	0	no	10.06		
MW-20	06/12/19	0.0290	0.0010	0.0130	0.0120	2.50	94.84	90.35	70.30	2.0	81.61	13.23	0	no	11.31		
MW-20	08/14/19	0.1820	<0.001	0.0610	0.0120	3.08	94.84	90.35	70.30	2.0	80.90	13.94	0	no	10.60		
MW-20	12/12/19	0.0010	0.0060	0.0010	0.0120	<0.50	94.84	90.35	70.30	2.0	79.90	14.94	0	no	9.60		
MW-20	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.50	94.84	90.35	70.30	2.0	79.60	15.24	0	no	9.30		
MW-20 (MW-4 dup.)	04/19/04	0.3400	0.6690	0.8360	0.1640	25.50							0	na	0.00		
MW-20 (MW-4 dup.)	07/19/04	0.4620	0.0143	1.2320	0.6580	0.0005	15.20						0	na	0.00		
MW-20 (MW-4 dup.)	10/21/04	1.3630	0.1410	1.1110	1.2960	0.1950	18.80						0	na	0.00		
MW-20 (MW-4 dup.)	01/12/05	2.4200	0.3140	2.5780	1.8520	0.3980	33.30						0	na	0.00		
MW-20 (MW-4 dup.)	04/20/05	1.5930	0.3670	1.5580	2.6550	0.2790	20.80						0	na	0.00		
MW-20 (MW-4 dup.)	07/12/05	1.1300	0.3140	1.4880	1.0460	0.0559	16.70						0	na	0.00		
MW-20 (MW-4 dup.)	10/27/05	0.1230	0.0208	0.6350	0.2370	0.0189	4.73						0	na	0.00		
MW-20 (MW-4 dup.)	04/18/06	5.4990	2.2770	0.8380	2.6490	3.2330	28.10						0	na	0.00		
MW-20 (MW-4 dup.)	07/19/06	7.5930	3.2390	1.3480	4.5510	1.4550	51.20						0	na	0.00		
MW-20 (MW-4 dup.)	10/19/06	11.5240	2.6980	3.7570	5.7630	2.7260	58.40						0	na	0.00		
MW-21	05/01/18	<0.001	<0.001	<0.001	<0.001	<0.50	94.40	86.14	71.14	2.0	78.74	15.66	0	no	7.60		
MW-21	06/14/18	<0.001	<0.001	<0.001	<0.001	<0.50	94.40	86.14	71.14	2.0	80.76	13.64	0	no	9.02		
MW-21	09/13/18	0.0170	<0.001	<0.001	0.0050	<0.50	94.40	86.14	71.14	2.0	80.38	14.02	0	no	9.24		
MW-21	10/09/18	0.2060	0.0160	0.0290	0.0840	1.79	94.40	86.14	71.14	2.0	80.27	14.13	0	no	9.13		
MW-21	12/05/18	0.0890	<0.001	<0.001	<0.001	<0.50	94.40	86.14	71.14	2.0	80.08	14.32	0	no	8.94		
MW-21	03/27/19	<0.001	<0.001	<0.001	<0.001	<0.50	94.40	86.14	71.14	2.0	80.25	14.15	0	no	9.11		
MW-21	06/12/19	<0.001	<0.001	<0.001	<0.001	0.66	94.40	86.14	71.14	2.0	81.49	12.91	0	no	10.35		
MW-21	08/14/19	0.0010	<0.001	<0.001	0.0060	0.0070	0.60	94.40	86.14	71.14	2.0	80.81	13.59	0	no	9.67	
MW-21	12/12/19	0.0030	0.0010	<0.001	<0.001	<0.50	94.40	86.14	71.14	2.0	79.68	14.72	0	no	8.54		
MW-21	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.50	94.40	86.14	71.14	2.0	79.37	15.03	0	no	8.23		
MW-22	05/01/18	<0.001	<0.001	<0.001	<0.001	<0.50	94.10	85.81	70.81	2.0	79.06	15.04	0	no	8.25		
MW-22	06/14/18	<0.001	<0.001	<0.001	<0.001	<0.50	94.10	86.81	71.81	2.0	78.53	15.57	0	no	6.72		
MW-22	08/14/19	2.7000	0.0020	<0.001	0.0070	3.25	94.10	86.81	71.81	2.0	80.10	14.00	0	no	8.29		
MW-22	10/09/18	1.6400	0.0010	0.0150	0.0050	5.11	94.10	86.81	71.81	2.0	80.02	14.08	0	no	8.21		
MW-22	12/05/18	0.3910	0.0040	0.0350	0.0160	1.78	94.10	86.81	71.81	2.0	79.87	14.23	0	no	8.06		
MW-22	03/27/19	0.1510	<0.001	0.0020	<0.001	1.17	94.10	86.81	71.81	2.0	80.05	14.05	0	no	8.24		

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Laboratory Data (mg/L)						Elevations (ft)						GW Column above BOS (ft)			Well Status (if not sampled)	
		Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE	TVPH	TOC	TOS	BOS	Well Diameter (in)	Water Table Elevation, Corrected for LNAPL Thickness (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)	
MW-22	06/12/19	0.1690	<0.001	0.0060	0.0040	0.17		94.10	86.81	71.81	2.0	81.27	12.83	0	no	9.46		
MW-22	08/14/19	0.0050	<0.001	<0.001	<0.001	0.0050	0.0010	94.10	86.81	71.81	2.0	80.70	13.40	0	no	8.89		
MW-22	12/12/19	0.0010										79.87	14.23	0	no	8.06		
MW-22	03/12/20	<0.001	<0.001	<0.001	<0.001							79.60	14.50	0	no	7.79		
MW-23	04/02/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	93.72	85.72	70.72	2.0	79.26	14.46	0	no	8.54		
MW-23	06/12/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	93.72	85.72	70.72	2.0	79.80	13.92	0	no	9.08		
MW-23	08/14/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	93.72	85.72	70.72	2.0	79.42	14.30	0	no	8.70		
MW-23	12/12/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	93.72	85.72	70.72	2.0	78.83	14.89	0	no	8.11		
MW-23	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	93.72	85.72	70.72	2.0	78.70	15.02	0	no	7.98		
MW-24	04/02/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	93.92	85.92	70.92	2.0	78.05	15.87	0	no	7.13		
MW-24	06/12/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	93.92	85.92	70.92	2.0	78.73	15.19	0	no	7.81		
MW-24	08/14/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	93.92	85.92	70.92	2.0	78.55	15.37	0	no	7.63		
MW-24	12/12/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	93.92	85.92	70.92	2.0	77.67	16.25	0	no	6.75		
MW-24	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	93.92	85.92	70.92	2.0	77.44	16.48	0	no	6.52		
MW-25	04/02/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.75	94.29	86.29	71.29	2.0	77.39	16.90	0	no	6.10	
MW-25	06/12/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	1.37	94.29	86.29	71.29	2.0	78.10	16.19	0	no	6.81	
MW-25	08/14/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.93	94.29	86.29	71.29	2.0	78.10	16.19	0	no	6.81	
MW-25	12/12/19	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	2.07	94.29	86.29	71.29	2.0	77.08	17.21	0	no	5.79	
MW-25	03/12/20	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.50	94.29	86.29	71.29	2.0	76.80	17.49	0	no	5.51	
MW-30 (CHMW-1 dup.)	03/28/07	0.8440	0.4440	2.3680	1.9570	0.0769	62.10							0	na	0.00		
MW-30 (CHMW-1 dup.)	06/26/07	0.6480	0.3750	2.7300	2.1320	0.0437	34.70						0	na	0.00			
MW-30 (CHMW-1 dup.)	09/25/07	1.3510	0.6020	4.2300	3.3940	0.2640	57.10						0	na	0.00			
MW-30 (CHMW-1 dup.)	01/10/08	1.0000	0.8680	5.1700	4.0850	0.1320	81.60						0	na	0.00			
MW-30 (CHMW-1 dup.)	04/14/08	0.4970	0.3900	2.2200	1.7640	0.0386	40.10						0	na	0.00			
MW-30 (CHMW-1 dup.)	07/22/08	0.3990	0.4610	3.0390	2.4610	0.0072	39.60						0	na	0.00			
MW-30 (CHMW-1 dup.)	11/05/08	0.3670	0.4690	2.9500	2.4600	0.0110	38.70						0	na	0.00			
O-01	04/14/08											-9.13	9.13	0	no	-9.13		
O-02	04/14/08											-9.29	9.29	0	no	-9.29		
O-03	04/14/08											-7.84	7.84	0	no	-7.84		
O-04	04/14/08											-7.84	7.84	0	no	-7.84		
O-05	04/14/08											-8.88	8.88	0	no	-8.88		
O-06	04/14/08											-9.74	9.74	0	no	-9.74		
O-07	04/14/08											-9.70	9.70	0	no	-9.70		
O-08	04/14/08											-9.81	9.81	0	no	-9.81		
O-09	04/14/08											-16.70	16.70	0	no	-16.70		
O-10	04/14/08											-16.50	16.51	0.02	no	-16.50		
O-10	07/22/08											-16.09	16.09	0	no	-16.09		
O-10	11/05/08											-16.56	16.56	0	no	-16.56		

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Quality Data (mg/L)						Water Table Elevation, Corrected for LNAPL Thickness (ft)				Groundwater Column Above BOS (ft)			Well Status (if not sampled)	
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	GW Above TOS		
O-10	03/05/09											-15.62	15.62	0	no	
O-10	06/08/09											-12.69	12.69	0	no	
O-11	04/14/08											-16.27	16.27	0	no	
O-12	04/14/08											-16.13	16.14	0.02	no	
O-12	07/22/08											-15.73	15.73	0	no	
O-12	11/05/08											-16.07	16.07	0	no	
O-12	03/05/09											-15.36	15.36	0	no	
O-12	06/08/09											-12.13	12.13	0	no	
O-13	04/14/08											-15.42	15.42	0	no	
SB-01	03/26/13	0.0010	0.0010	0.0080	0.0040	0.0200	7.55					-18.30	18.30	0	no	
SB-02	03/26/13	0.0010	0.0020	0.0010	0.0010	0.0110	12.40					-23.00	23.00	0	no	
SB-03	03/26/13	0.0010	0.0050	0.0010	0.0010	0.0010	0.50					-18.00	18.00	0	no	
SB-04	03/26/13	0.0010	0.0050	0.0010	0.0010	0.0010	0.50					-17.00	17.00	0	no	
SB-05	03/26/13	0.0010	0.0010	0.0010	0.0010	0.0010	0.50					-17.00	17.00	0	no	
SB-06	07/17/15	0.2040	0.2050	3.9200	5.9000	<0.001	124.00					0	na	0.00	no	
SB-07	07/17/15	0.0060	0.0890	3.8000	<0.001	109.00						0	na	0.00	no	
SB-08	07/17/15	0.0070	0.0120	0.6430	0.5570	0.0050	20.20					0	na	0.00	no	
SB-09	07/17/15	19.7000	2.6300	4.1400	13.3000	0.1030	184.00					0	na	0.00	no	
SB-10	07/17/15	23.0000	11.4000	4.8700	20.7000	0.1120	238.00					0	na	0.00	no	
SB-11	07/17/15	0.1870	0.1180	0.2590	0.6530	0.0840	9.21					0	na	0.00	no	
SVE-01	09/25/07							100.90	95.90	80.90	2.0			0	na	
SVE-01	01/10/08	0.0005	0.0005	0.0005	0.0005	0.0043	0.50	100.90	95.90	80.90	2.0	91.64	9.26		no	
SVE-01	04/14/08	0.0005	0.0005	0.0005	0.0005	0.0061	0.50	100.90	95.90	80.90	2.0	92.19	8.71		no	
SVE-01	07/22/08	0.0005	0.0005	0.0005	0.0005	0.0021	0.50	100.90	95.90	80.90	2.0	92.11	8.79		no	
SVE-01	11/05/08	0.0010	0.0010	0.0010	0.0010	0.0020	0.50	100.90	95.90	80.90	2.0	92.01	8.89		no	
SVE-01	03/05/09	0.0010	0.0010	0.0010	0.0010	0.0030	0.50	100.90	95.90	80.90	2.0	91.16	9.74		no	
SVE-01	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0020	0.50	100.90	95.90	80.90	2.0	93.72	7.18		no	
SVE-01	09/08/09	0.0010	0.0010	0.0010	0.0010	0.0120	0.50	100.90	95.90	80.90	2.0	92.15	8.75		no	
SVE-01	12/10/09	0.0010	0.0010	0.0010	0.0010	0.0090	0.50	100.90	95.90	80.90	2.0	92.31	8.59		no	
SVE-01	03/31/10	0.0010	0.0010	0.0010	0.0010	0.0030	0.50	100.90	95.90	80.90	2.0	93.39	7.51		no	
SVE-01	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	100.90	95.90	80.90	2.0	93.33	7.57		no	
SVE-01	09/20/10	0.0010	0.0010	0.0010	0.0010	0.0020	0.50	100.90	95.90	80.90	2.0	91.79	9.11		no	
SVE-01	12/16/10	0.0010	0.0010	0.0010	0.0010	0.0020	0.50	100.90	95.90	80.90	2.0	90.60	10.30		no	
SVE-01	03/25/11	0.0010	0.0010	0.0010	0.0010	0.0030	0.50	100.90	95.90	80.90	2.0	91.53	9.37		no	
SVE-01	05/25/11	0.0010	0.0010	0.0010	0.0010	0.0030	0.50	100.90	95.90	80.90	2.0	93.50	7.40		no	
SVE-01	08/29/11	0.0010	0.0010	0.0010	0.0010	0.0020	0.50	100.90	95.90	80.90	2.0	91.90	9.00		no	
SVE-01	11/23/11	0.0010	0.0010	0.0010	0.0010	0.0030	0.50	100.90	95.90	80.90	2.0	92.07	8.83		no	
SVE-01	02/21/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	100.90	95.90	80.90	2.0	92.97	7.93		no	
SVE-01	05/22/12	0.0010	0.0010	0.0010	0.0010	0.0020	0.50	100.90	95.90	80.90	2.0	92.87	8.03		no	
SVE-01	08/27/12	0.0010	0.0010	0.0010	0.0010	0.0020	0.50	100.90	95.90	80.90	2.0	90.96	9.94		no	
SVE-01	11/29/12	0.0010	0.0010	0.0010	0.0010	0.0020	0.50	100.90	95.90	80.90	2.0	90.86	10.04		no	
SVE-01	02/26/13	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	100.90	95.90	80.90	2.0	90.08	10.82		no	
SVE-01	05/16/13	0.0010	0.0010	0.0010	0.0010	0.0020	0.50	100.90	95.90	80.90	2.0	93.33	7.57		no	
SVE-01	08/20/13	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	0.50	100.90	95.90	80.90	2.0	92.31	8.59		no

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Quality Data (mg/L)						Water Table Elevation, Corrected for LNAPL Thickness (ft)			Depth to LNAPL (ft)			LNAPL Thickness (ft)			GW Above TOS			GW Column above BOS (ft)			Well Status (if not sampled)		
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzenes (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	Depth to LNAPL (ft)	Depth to LNAPL (ft)	GW Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)							
SVE-01	11/18/13	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	100.90	95.90	80.90	2.0	92.14	8.76	0	0	0	11.24								
SVE-01	02/25/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.5	100.90	95.90	80.90	2.0	92.07	8.83	0	0	0	11.17								
SVE-01	04/29/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.5	100.90	95.90	80.90	2.0	92.50	8.40	0	0	0	11.60								
SVE-01	07/24/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.5	100.90	95.90	80.90	2.0	92.29	8.61	0	0	0	11.39								
SVE-01	10/16/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.5	100.90	95.90	80.90	2.0	92.59	8.31	0	0	0	11.69								
SVE-01	03/24/15							100.90	95.90	80.90	2.0	93.20	7.70	0	0	0	12.30	NOP							
SVE-01	06/22/15							100.90	95.90	80.90	2.0	93.76	7.14	0	0	0	12.86	NOP							
SVE-01	08/25/15	<0.001	<0.001	<0.001	<0.001	0.0010	<0.5	100.90	95.90	80.90	2.0	91.99	8.91	0	0	0	11.09								
SVE-01	11/25/15							100.90	95.90	80.90	2.0	92.67	8.23	0	0	0	11.77	NOP							
SVE-01	03/28/16							100.90	95.90	80.90	2.0	93.58	7.32	0	0	0	12.68	NOP							
SVE-01	06/15/16							100.90	95.90	80.90	2.0	93.02	7.88	0	0	0	12.12	NOP							
SVE-02	09/25/07	0.0079	0.0021	0.0193	0.0302	1.7840	7.25	100.14	95.14	80.14	2.0	91.27	8.87	0	0	0	11.13								
SVE-02	01/10/08	0.0043	0.0014	0.1310	0.0443	0.3680	4.27	100.14	95.14	80.14	2.0	91.54	8.60	0	0	0	11.40								
SVE-02	04/14/08	0.0005	0.0005	0.0005	0.0005	0.7940	0.79	100.14	95.14	80.14	2.0	94.47	5.67	0	0	0	14.33								
SVE-02	07/22/08	0.0032	0.0005	0.0127	0.0105	0.3480	0.50	100.14	95.14	80.14	2.0	91.71	8.43	0	0	0	11.57								
SVE-02	11/05/08	0.0010	0.0010	0.0010	0.0010	0.0030	0.50	100.14	95.14	80.14	2.0	91.43	8.71	0	0	0	11.29								
SVE-02	03/05/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	100.14	95.14	80.14	2.0	90.38	9.76	0	0	0	10.24								
SVE-02	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	100.14	95.14	80.14	2.0	91.91	8.23	0	0	0	11.77								
SVE-02	09/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	100.14	95.14	80.14	2.0	91.44	8.70	0	0	0	11.30								
SVE-02	12/10/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	100.14	95.14	80.14	2.0	91.42	8.72	0	0	0	11.28								
SVE-02	03/31/10	0.0010	0.0010	0.0010	0.0010	0.1620	0.50	100.14	95.14	80.14	2.0	92.24	7.90	0	0	0	12.10								
SVE-02	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0600	0.50	100.14	95.14	80.14	2.0	92.29	7.85	0	0	0	12.15								
SVE-02	09/20/10	0.0010	0.0010	0.0010	0.0010	0.5500	0.62	100.14	95.14	80.14	2.0	91.60	8.54	0	0	0	11.46								
SVE-02	12/16/10	0.0010	0.0010	0.0010	0.0040	0.4970	0.85	100.14	95.14	80.14	2.0	90.31	9.83	0	0	0	10.17								
SVE-02	03/25/11	0.0010	0.0010	0.0010	0.0010	0.02220	0.50	100.14	95.14	80.14	2.0	90.81	9.33	0	0	0	10.67								
SVE-02	05/25/11	0.0010	0.0010	0.0010	0.0010	0.0810	0.50	100.14	95.14	80.14	2.0	92.52	7.62	0	0	0	12.38								
SVE-02	08/29/11	0.0030	0.0010	0.0010	0.0010	0.2760	0.50	100.14	95.14	80.14	2.0	91.30	8.84	0	0	0	11.16								
SVE-02	11/23/11	0.0010	0.0010	0.0010	0.0010	0.2290	0.50	100.14	95.14	80.14	2.0	92.00	8.14	0	0	0	11.86								
SVE-02	02/21/12	0.0010	0.0010	0.0010	0.0010	0.0450	0.50	100.14	95.14	80.14	2.0	91.95	8.19	0	0	0	11.81								
SVE-02	05/22/12	0.0010	0.0010	0.0010	0.0010	0.0430	0.50	100.14	95.14	80.14	2.0	91.84	8.30	0	0	0	11.70								
SVE-02	08/27/12	0.0010	0.0010	0.0010	0.0010	0.1030	0.50	100.14	95.14	80.14	2.0	91.08	9.06	0	0	0	10.94								
SVE-02	11/29/12	0.0010	0.0010	0.0010	0.0010	0.0710	0.50	100.14	95.14	80.14	2.0	90.76	9.38	0	0	0	10.62								
SVE-02	02/26/13	0.0010	0.0010	0.0010	0.0010	0.1910	0.50	100.14	95.14	80.14	2.0	90.31	9.83	0	0	0	10.17								
SVE-02	05/16/13	0.0010	0.0010	0.0010	0.0010	0.0360	0.50	100.14	95.14	80.14	2.0	93.58	6.56	0	0	0	13.44								
SVE-02	08/20/13	<0.001	<0.001	<0.001	<0.001	0.0010	0.0350	<0.5	100.14	95.14	80.14	2.0	92.55	7.59	0	0	0	12.41							
SVE-02	11/18/13	<0.001	<0.001	<0.001	<0.001	0.0010	0.0290	<0.5	100.14	95.14	80.14	2.0	91.70	8.44	0	0	0	11.56							
SVE-02	02/25/14	<0.001	<0.001	<0.001	<0.001	0.0010	0.0380	<0.5	100.14	95.14	80.14	2.0	91.75	8.39	0	0	0	11.61							
SVE-02	04/29/14	<0.001	<0.001	<0.001	<0.001	0.0010	0.0370	<0.5	100.14	95.14	80.14	2.0	91.45	8.69	0	0	0	11.31							
SVE-02	07/24/14	<0.001	<0.001	<0.001	<0.001	0.0010	0.0130	<0.50	100.14	95.14	80.14	2.0	92.71	7.43	0	0	0	12.57							
SVE-02	10/16/14	<0.001	<0.001	<0.001	<0.001	0.0010	0.0430	<0.50	100.14	95.14	80.14	2.0	91.84	8.30	0	0	0	11.70							
SVE-02	03/24/15	<0.001	<0.001	<0.001	<0.001	0.0010	0.0210	<0.50	100.14	95.14	80.14	2.0	92.12	8.02	0	0	0	11.98							
SVE-02	06/22/15	<0.001	<0.001	<0.001	<0.001	0.0010	0.0280	<0.50	100.14	95.14	80.14	2.0	92.76	7.38	0	0	0	12.62							
SVE-02	08/25/15	<0.001	<0.001	<0.001	<0.001	0.0010	0.0780	<0.50	100.14	95.14	80.14	2.0	91.53	8.61	0	0	0	11.39							
SVE-02	11/25/15	<0.001	<0.001	<0.001	<0.001	0.0010	0.0050	<0.50	100.14	95.14	80.14	2.0	91.65	8.49	0	0	0	11.51							

Groundwater Laboratory and Elevations Table

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Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Quality Data (mg/L)						Water Table Elevation, Corrected for LNAPL Thickness (ft)			Depth to LNAPL (ft)			LNAPL Thickness (ft)			GW Above TOS			GW Column above BOS (ft)			Well Status (if not sampled)		
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzenes (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	Depth to LNAPL (ft)	Depth to LNAPL (ft)	GW Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)							
SVE-02	03/28/16	<0.001	<0.001	<0.001	0.0010	0.0640	<0.50	100.14	95.14	80.14	2.0	92.34	7.80	0	no	12.20									
SVE-02	06/15/16	<0.001	<0.001	<0.001	0.0010	0.0720	<0.50	100.14	95.14	80.14	2.0	91.88	8.26	0	no	11.74									
SVE-02	08/24/16	<0.001	<0.001	<0.001	0.0010	0.0640	<0.50	100.14	95.14	80.14	2.0	90.64	9.50	0	no	10.50									
SVE-02	05/16/17											100.14	95.14	80.14	2.0	91.73	8.41								
SVE-02	08/28/17											100.14	95.14	80.14	2.0	91.18	8.96	0	no	11.59	NOP				
SVE-02	11/20/17											100.14	95.14	80.14	2.0	90.70	9.44	0	no	11.04	NOP				
SVE-02	03/19/18											100.14	95.14	80.14	2.0	90.49	9.65	0	no	10.35	NOP				
SVE-02	06/14/18											100.14	95.14	80.14	2.0	92.08	8.06	0	no	11.94	NOP				
SVE-02	09/12/18											100.14	95.14	80.14	2.0	91.12	9.02	0	no	10.98	NOP				
SVE-02	12/05/18											100.14	95.14	80.14	2.0	90.52	9.62	0	no	10.38	NOP				
SVE-02	03/27/19											100.14	95.14	80.14	2.0	91.62	8.52	0	no	11.48	NOP				
SVE-02	06/12/19											100.14	95.14	80.14	2.0	91.80	8.34	0	no	11.66	NOP				
SVE-02	08/14/19											100.14	95.14	80.14	2.0	91.10	9.04	0	no	10.96	NOP				
SVE-02	12/12/19											100.14	95.14	80.14	2.0	90.84	9.30	0	no	10.70	NOP				
SVE-02	03/12/20											100.14	95.14	80.14	2.0	90.87	9.27	0	no	10.73	NOP				
SVE-03	09/25/07	0.0052	0.0007	0.0005	0.0043	0.0872	0.50	97.86	92.86	77.86	2.0	88.67	9.19	0	no	10.81									
SVE-03	01/10/08	0.0005	0.0005	0.0005	0.0005	0.0203	1.12	97.86	92.86	77.86	2.0	90.45	7.41	0	no	12.59									
SVE-03	04/14/08	0.0005	0.0005	0.0005	0.0005	0.0222	0.50	97.86	92.86	77.86	2.0	90.51	7.35	0	no	12.65									
SVE-03	07/22/08	0.0005	0.0005	0.0005	0.0005	0.00075	0.50	97.86	92.86	77.86	2.0	89.13	8.73	0	no	11.27									
SVE-03	11/05/08	0.0010	0.0010	0.0010	0.0010	0.0270	0.50	97.86	92.86	77.86	2.0	89.10	8.76	0	no	11.24									
SVE-03	03/05/09	0.0010	0.0010	0.0010	0.0010	0.0380	0.50	97.86	92.86	77.86	2.0	88.40	9.46	0	no	10.54									
SVE-03	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.86	92.86	77.86	2.0	91.94	5.92	0	no	14.08									
SVE-03	09/08/09	0.0010	0.0010	0.0010	0.0010	0.0720	0.50	97.86	92.86	77.86	2.0	88.89	8.97	0	no	11.03									
SVE-03	12/10/09	0.0010	0.0010	0.0010	0.0010	0.0100	0.50	97.86	92.86	77.86	2.0	89.39	8.47	0	no	11.53									
SVE-03	03/31/10	0.0010	0.0010	0.0010	0.0010	0.0040	0.50	97.86	92.86	77.86	2.0	91.25	6.61	0	no	13.39									
SVE-03	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.86	92.86	77.86	2.0	90.54	7.32	0	no	12.68									
SVE-03	09/20/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.86	92.86	77.86	2.0	88.65	9.21	0	no	10.79									
SVE-03	12/16/10	0.0010	0.0010	0.0010	0.0010	0.0130	0.50	97.86	92.86	77.86	2.0	88.25	9.61	0	no	10.39									
SVE-03	03/25/11	0.0010	0.0010	0.0010	0.0010	0.0020	0.50	97.86	92.86	77.86	2.0	88.56	9.30	0	no	10.70									
SVE-03	05/25/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.86	92.86	77.86	2.0	92.22	5.64	0	no	14.36									
SVE-03	08/29/11	0.0010	0.0010	0.0010	0.0010	0.0130	0.50	97.86	92.86	77.86	2.0	88.45	9.41	0	no	10.59									
SVE-03	11/23/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.78	97.86	92.86	77.86	2.0	89.86	8.00	0	no	12.00									
SVE-03	02/21/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.86	92.86	77.86	2.0	91.32	6.54	0	no	13.46									
SVE-03	05/22/12	0.0010	0.0010	0.0010	0.0010	0.0110	0.50	97.86	92.86	77.86	2.0	89.95	7.91	0	no	12.09									
SVE-03	08/27/12	0.0010	0.0010	0.0010	0.0010	0.0150	0.50	97.86	92.86	77.86	2.0	87.20	10.66	0	no	9.34									
SVE-03	11/29/12	0.0010	0.0010	0.0010	0.0010	0.0030	0.79	97.86	92.86	77.86	2.0	88.56	9.30	0	no	10.70									
SVE-03	02/26/13	0.0010	0.0010	0.0010	0.0010	0.0040	0.50	97.86	92.86	77.86	2.0	88.62	9.24	0	no	10.76									
SVE-03	05/16/13	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.86	92.86	77.86	2.0	92.83	5.03	0	no	14.97									
SVE-03	08/20/13	<0.001	<0.001	<0.001	<0.001	0.0110	<0.5	97.86	92.86	77.86	2.0	90.06	7.80	0	no	12.20									
SVE-03	11/18/13	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	<0.5	97.86	92.86	77.86	2.0	89.88	7.98	0	no	12.02								
SVE-03	02/25/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	<0.5	97.86	92.86	77.86	2.0	90.01	7.85	0	no	12.15								
SVE-03	04/29/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	<0.5	97.86	92.86	77.86	2.0	90.16	7.70	0	no	12.30								
SVE-03	07/24/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	0.54	97.86	92.86	77.86	2.0	89.87	7.99	0	no	12.01								
SVE-03	10/16/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	0.54	97.86	92.86	77.86	2.0	90.10	7.76	0	no	12.24								

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						GW Column above BOS (ft)			Well Status (if not sampled)			
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	BOS (ft)	Well Diameter (in)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	
SVE-03	03/24/15	<0.001	<0.001	<0.001	0.0040	<0.50	97.86	92.86	2.0	90.46	7.40	0	no	
SVE-03	06/22/15	<0.001	<0.001	<0.001	0.0010	<0.001	97.86	92.86	2.0	91.44	6.42	0	no	
SVE-03	07/16/15						97.86	92.86	2.0	90.05	7.81	0	no	
SVE-03	08/25/15	<0.001	<0.001	<0.001	0.0010	0.0320	<0.50	97.86	92.86	2.0	88.75	9.11	0	no
SVE-03	11/25/15	<0.001	<0.001	<0.001	0.0010	<0.001	1.90	97.86	92.86	2.0	90.31	7.55	0	no
SVE-03	03/28/16						97.86	92.86	2.0	92.26	5.60	0	no	
SVE-03	06/15/16						97.86	92.86	2.0	90.11	7.75	0	no	
SVE-03	08/24/16						97.86	92.86	2.0	87.48	10.38	0	no	
SVE-03	05/16/17						97.86	92.86	2.0	90.84	7.02	0	no	
SVE-03	08/28/17						97.86	92.86	2.0	88.69	9.17	0	no	
SVE-03	11/20/17						97.86	92.86	2.0	89.46	8.40	0	no	
SVE-03	03/19/18						97.86	92.86	2.0	89.92	7.94	0	no	
SVE-03	06/14/18						97.86	92.86	2.0	92.49	5.37	0	no	
SVE-03	09/12/18						97.86	92.86	2.0	88.32	9.54	0	no	
SVE-03	12/05/18						97.86	92.86	2.0	88.79	9.07	0	no	
SVE-03	03/27/19						97.86	92.86	2.0	90.71	7.15	0	no	
SVE-03	06/12/19						97.86	92.86	2.0	90.65	7.21	0	no	
SVE-03	08/14/19						97.86	92.86	2.0	88.58	9.28	0	no	
SVE-03	12/12/19						97.86	92.86	2.0	89.14	8.72	0	no	
SVE-03	03/12/20						97.86	92.86	2.0	89.44	8.42	0	no	
SVE-04	09/25/07	31.1450	0.2750	3.0670	4.4590	3.2020	110.00	98.24	93.24	78.24	2.0	87.77	10.47	
SVE-04	01/10/08	14.6970	0.1930	7.8480	3.5360	0.6640	104.00	98.24	93.24	78.24	2.0	88.27	9.97	
SVE-04	04/14/08	13.7700	0.1000	1.5560	1.5660	0.6680	57.10	98.24	93.24	78.24	2.0	88.38	9.86	
SVE-04	07/22/08	0.0007		0.0005	0.0005	0.0005	0.0334	0.50	98.24	93.24	78.24	0.00	88.42	
SVE-04	11/05/08	0.0070	0.0010	0.0010	0.0010	0.0830	0.50	98.24	93.24	78.24	2.0	88.06	10.18	
SVE-04	03/05/09	1.2800	0.0200	0.8610	0.4010	0.0160	5.73	98.24	93.24	78.24	2.0	88.69	9.55	
SVE-04	06/08/09	0.0010	0.0010	0.0020	0.0020	0.0010	0.50	98.24	93.24	78.24	2.0	91.59	6.65	
SVE-04	09/08/09	16.9000	0.1140	4.6100	1.8500	1.0700	31.10	98.24	93.24	78.24	2.0	87.97	10.27	
SVE-04	12/10/09	7.3900	0.0330	0.3280	0.4590	0.7980	9.25	98.24	93.24	78.24	2.0	88.04	10.20	
SVE-04	03/31/10	0.0450	0.0020	0.0260	0.0190	0.0020	0.50	98.24	93.24	78.24	2.0	89.55	8.69	
SVE-04	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0080	0.50	98.24	93.24	78.24	2.0	89.26	8.98	
SVE-04	09/20/10	17.4000	0.0430	1.9500	0.6460	1.2200	42.10	98.24	93.24	78.24	2.0	87.52	10.72	
SVE-04	12/16/10	25.9000	0.0700	4.0300	1.1800	0.5070	43.60	98.24	93.24	78.24	2.0	86.74	11.50	
SVE-04	03/25/11	22.4000	0.0660	0.7040	1.2500	0.6690	51.50	98.24	93.24	78.24	2.0	87.37	10.87	
SVE-04	05/25/11	0.0010	0.0010	0.0010	0.0010	0.0110	0.50	98.24	93.24	78.24	2.0	89.72	8.52	
SVE-04	08/29/11	30.8000	0.1260	2.3300	1.4300	1.9600	72.80	98.24	93.24	78.24	2.0	87.09	11.15	
SVE-04	11/23/11	18.4000	0.0940	4.3600	1.8200	0.6590	69.30	98.24	93.24	78.24	2.0	87.99	10.25	
SVE-04	02/21/12	0.0010	0.0010	0.0010	0.0010	0.0320	0.50	98.24	93.24	78.24	2.0	89.03	9.21	
SVE-04	05/22/12	2.6900	0.0010	0.0010	0.3280	0.2060	5.89	98.24	93.24	78.24	2.0	87.93	10.31	
SVE-04	08/27/12	32.7000	0.1870	2.9900	0.7150	1.0700	50.20	98.24	93.24	78.24	2.0	86.24	12.00	
SVE-04	11/29/12	33.1000	0.4540	4.5800	2.0100	1.4200	68.10	98.24	93.24	78.24	2.0	86.76	11.48	
SVE-04	02/26/13	20.5000	0.1500	3.7300	0.3170	0.3900	66.80	98.24	93.24	78.24	2.0	86.81	11.43	
SVE-04	05/16/13	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	98.24	93.24	78.24	2.0	91.36	6.88	
SVE-04	08/20/13	17.1000	0.2950	1.7800	1.0600	0.3410	26.50	98.24	93.24	78.24	2.0	88.06	10.18	

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1

Year: 2020 | Half (4Q&1

click on a cell in the section in which you wish

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Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						GW Column above BOS (ft)			GW Well Status (if not sampled)			
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	LNAPL Thickness (ft)	GW Above TOS
SVE-05	08/27/12	0.0010	0.0010	4.9500	1.6300	0.0010	27.80	98.69	93.69	78.69	2.0	88.99	9.70	0 no 10.30
SVE-05	11/29/12	0.0010	0.0010	5.4100	2.7500	0.0010	27.90	98.69	93.69	78.69	2.0	88.85	9.84	0 no 10.16
SVE-05	02/26/13	0.0010	0.0010	5.7500	2.7700	0.0010	50.20	98.69	93.69	78.69	2.0	88.70	9.99	0 no 10.01
SVE-05	05/16/13	0.0010	0.0440	4.2600	2.5300	0.0010	23.30	98.69	93.69	78.69	2.0	92.41	6.28	0 no 13.72
SVE-05	08/20/13	<0.001	3.9900	1.5600	<0.001	14.10	98.69	93.69	78.69	2.0	90.34	8.35	0 no 11.65	
SVE-05	11/18/13	0.0240	0.0100	2.6500	2.3800	<0.001	20.90	98.69	93.69	78.69	2.0	89.67	9.02	0 no 10.98
SVE-05	02/25/14	0.0200	0.0300	5.4000	3.1700	<0.001	33.20	98.69	93.69	78.69	2.0	90.01	8.68	0 no 11.32
SVE-05	04/29/14	0.0080	0.0120	2.8000	1.6100	<0.001	20.90	98.69	93.69	78.69	2.0	89.83	8.86	0 no 11.14
SVE-05	07/24/14	0.0110	0.0120	3.4100	1.6300	<0.001	26.10	98.69	93.69	78.69	2.0	90.57	8.12	0 no 11.88
SVE-05	10/16/14	0.0330	0.0380	9.1900	4.6600	<0.001	67.50	98.69	93.69	78.69	2.0	89.62	9.07	0 no 10.93
SVE-05	03/24/15	0.0080	0.0190	3.1100	2.2800	<0.001	15.40	98.69	93.69	78.69	2.0	90.59	8.10	0 no 11.90
SVE-05	06/22/15	0.0140	0.0150	2.8200	1.5500	<0.001	35.40	98.69	93.69	78.69	2.0	91.38	7.31	0 no 12.69
SVE-05	08/25/15	0.0080	0.0140	3.2200	2.1200	<0.001	32.00	98.69	93.69	78.69	2.0	89.59	9.10	0 no 10.90
SVE-05	11/25/15	0.0080	0.0260	4.0400	2.3900	<0.001	36.70	98.69	93.69	78.69	2.0	89.84	8.85	0 no 11.15
SVE-05	03/28/16	0.0080	0.0160	3.6500	2.8400	0.0170	31.90	98.69	93.69	78.69	2.0	91.47	7.22	0 no 12.78
SVE-05	06/15/16	<0.001	0.0440	3.3400	2.9400	<0.001	31.70	98.69	93.69	78.69	2.0	90.05	8.64	0 no 11.36
SVE-05	08/24/16	0.0020	0.0090	0.5980	1.7900	<0.001	19.10	98.69	93.69	78.69	2.0	88.51	10.18	0 no 9.82
SVE-05	05/16/17	0.0080	0.0320	4.9900	4.3900	49.20	98.69	93.69	78.69	2.0	90.16	8.53	0 no 11.47	
SVE-05	08/28/17	0.0020	0.0120	1.1100	2.5900	0	20.10	98.69	93.69	78.69	2.0	89.37	9.32	0 no 9.76
SVE-05	11/20/17	0.0030	0.0100	0.1710	1.6700	14.50	98.69	93.69	78.69	2.0	88.81	9.88	0 no 9.20	
SVE-05	03/19/18	0.0010	0.0110	1.1400	2.6700	32.00	98.69	93.69	78.69	2.0	88.89	9.80	0 no 9.28	
SVE-05	06/14/18	0.0050	0.0180	0.9640	2.2200	0	20.10	98.69	93.69	78.69	2.0	89.74	8.95	0 no 10.13
SVE-05	09/12/18	0.0050	0.0220	3.5100	4.0400	0	40.40	98.69	93.69	78.69	2.0	89.46	9.23	0 no 9.85
SVE-05	12/05/18	<0.001	0.0090	0.1180	1.3900	12.90	98.69	93.69	78.69	2.0	88.88	9.81	0 no 9.27	
SVE-05	03/27/19	0.0010	0.0100	2.4800	3.0500	27.30	98.69	93.69	78.69	2.0	90.19	8.50	0 no 10.58	
SVE-05	06/12/19	0.0050	0.0210	0.9140	2.6700	33.60	98.69	93.69	78.69	2.0	90.29	8.40	0 no 10.68	
SVE-05	08/14/19	0.0030	0.0270	1.6400	6.0900	65.80	98.69	93.69	78.69	2.0	89.52	9.17	0 no 9.91	
SVE-05	12/12/19	<0.005	0.0140	1.7400	2.6000	21.60	98.69	93.69	78.69	2.0	89.38	9.31	0 no 9.77	
SVE-05	03/12/20	<0.001	0.0090	1.3000	2.0400	22.20	98.69	93.69	78.69	2.0	88.89	9.80	0 no 9.28	
SVE-06	09/25/07						97.74	92.74	72.74	2.0	81.34	16.40	0 no 8.60	
SVE-06	01/10/08						97.74	92.74	72.74	2.0	80.47	17.27	0 no 7.73	
SVE-06	04/14/08						97.74	92.74	72.74	2.0	80.98	16.76	0 no 8.24	
SVE-06	07/22/08						97.74	92.74	72.74	2.0	81.45	16.29	0 no 8.71	
SVE-06	11/05/08						97.74	92.74	72.74	2.0	81.11	16.63	0 no 8.37	
SVE-06	03/05/09						97.74	92.74	72.74	2.0	81.96	15.78	0 no 9.22	
SVE-06	06/08/09						97.74	92.74	72.74	2.0	85.75	11.99	0 no 13.01	
SVE-06	09/08/09						97.74	92.74	72.74	2.0	82.13	15.61	0 no 9.39	
SVE-06	12/10/09						97.74	92.74	72.74	2.0	81.40	16.34	0 no 8.66	
SVE-06	03/31/10						97.74	92.74	72.74	2.0	81.21	16.53	0 no 8.47	
SVE-06	06/24/10						97.74	92.74	72.74	2.0	82.77	14.97	0 no 10.03	
SVE-06	09/20/10						97.74	92.74	72.74	2.0	81.38	16.36	0 no 8.64	
SVE-06	12/16/10						97.74	92.74	72.74	2.0	80.38	17.36	0 no 7.64	
SVE-06	03/25/11						97.74	92.74	72.74	2.0	80.49	17.25	0 no 7.75	
SVE-06	05/25/11						97.74	92.74	72.74	2.0	81.14	16.60	0 no 8.40	

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						GW Column above BOS (ft)			GW Well Status (if not sampled)		
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
SVE-06	08/29/11							97.74	92.74	72.74	2.0	81.25	16.49
SVE-06	11/23/11							97.74	92.74	72.74	2.0	80.56	17.18
SVE-06	02/21/12							97.74	92.74	72.74	2.0	81.50	16.24
SVE-06	05/22/12							97.74	92.74	72.74	2.0	81.04	16.70
SVE-06	08/27/12							97.74	92.74	72.74	2.0	80.59	17.15
SVE-06	11/29/12							97.74	92.74	72.74	2.0	80.10	17.64
SVE-06	02/26/13							97.74	92.74	72.74	2.0	79.72	18.02
SVE-06	05/16/13							97.74	92.74	72.74	2.0	80.95	16.79
SVE-06	08/20/13							97.74	92.74	72.74	2.0	80.94	16.80
SVE-06	11/18/13							97.74	92.74	72.74	2.0	81.38	16.36
SVE-06	02/25/14							97.74	92.74	72.74	2.0	80.39	17.35
SVE-06	04/29/14							97.74	92.74	72.74	2.0	80.74	17.00
SVE-06	07/24/14							97.74	92.74	72.74	2.0	81.40	16.34
SVE-06	10/16/14							97.74	92.74	72.74	2.0	81.06	16.68
SVE-06	03/24/15							97.74	92.74	72.74	2.0	81.20	16.54
SVE-06	06/22/15							97.74	92.74	72.74	2.0	84.66	13.08
SVE-06	07/16/15							97.74	92.74	72.74	2.0	83.41	14.33
SVE-06	08/25/15							97.74	92.74	72.74	2.0	82.42	15.32
SVE-06	11/25/15							97.74	92.74	72.74	2.0	81.21	16.53
SVE-06	03/28/16	0.0080	0.0020	0.5520	0.7280	0.0030	8.73	97.74	92.74	72.74	2.0	81.26	16.48
SVE-06	06/15/16	0.0080	0.0050	0.7550	0.9500	<0.001	22.80	97.74	92.74	72.74	2.0	82.32	15.42
SVE-06	08/24/16	0.0020	<0.001	0.0080	0.0020	0.0290	2.31	97.74	92.74	72.74	2.0	80.82	16.92
SVE-06	05/16/17	<0.001	<0.001	<0.001	0.0010		1.33	97.74	92.74	72.74	2.0	80.31	17.43
SVE-06	08/28/17	0.0050	0.0010	1.1600	0.8860		10.00	97.74	92.74	72.74	2.0	81.19	16.55
SVE-06	11/20/17	<0.001	<0.001	0.0080	0.0090	<0.50	97.74	92.74	72.74	2.0	80.96	16.78	
SVE-06	03/19/18	<0.001	<0.001	0.0090	0.0110	<0.50	97.74	92.74	73.14	2.0	80.11	17.63	
SVE-06	06/14/18	<0.001	<0.001	0.0360	0.0390	0.86	97.74	92.74	73.14	2.0	81.31	16.43	
SVE-06	09/12/18	<0.001	<0.001	0.0300	0.0360	1.12	97.74	92.74	73.14	2.0	80.87	16.87	
SVE-06	12/05/18	<0.001	<0.001	0.0330	0.0410	1.20		97.74	92.74	73.14	2.0	80.47	17.27
SVE-06	03/27/19	<0.001	<0.001	0.0170	0.0330	1.01		97.74	92.74	73.14	2.0	80.55	17.19
SVE-06	06/12/19	0.0040	0.1900	0.3180		9.38		97.74	92.74	73.14	2.0	82.01	15.73
SVE-06	08/14/19	<0.001	0.0050	0.0010	0.0060	<0.50		97.74	92.74	73.14	2.0	81.27	16.47
SVE-06	12/12/19	0.0010	0.0050	0.0010	0.0010	<0.50		97.74	92.74	73.14	2.0	80.11	17.63
SVE-06	03/12/20	0.0010	0.0010	0.0010	0.0010	0.0040		97.74	92.74	73.14	2.0	79.88	17.86
SVE-07	09/25/07							97.82	92.82	72.82	2.0	81.18	16.64
SVE-07	01/10/08							97.82	92.82	72.82	2.0	80.44	17.38
SVE-07	04/14/08							97.82	92.82	72.82	2.0	80.85	16.97
SVE-07	07/22/08							97.82	92.82	72.82	2.0	81.33	16.49
SVE-07	11/05/08							97.82	92.82	72.82	2.0	80.98	16.84
SVE-07	03/05/09							97.82	92.82	72.82	2.0	81.76	16.06
SVE-07	06/08/09							97.82	92.82	72.82	2.0	85.17	12.65
SVE-07	09/08/09							97.82	92.82	72.82	2.0	81.98	15.84
SVE-07	12/10/09							97.82	92.82	72.82	2.0	81.23	16.59
SVE-07	03/31/10							97.82	92.82	72.82	2.0	81.07	16.75

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Laboratory Data (mg/L)						Elevations (ft)						Water Table Elevation, Corrected for LNAPL Thickness (ft)				Depth to LNAPL (ft)		LNAPL Thickness (ft)		GW Above TOS		GW Column above BOS (ft)		Well Status (if not sampled)	
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	Depth to LNAPL (ft)	Water Table Elevation, Corrected for LNAPL Thickness (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)								
SVE-07	06/24/10							97.82	92.82	72.82	2.0	82.64	15.18		0	no	9.82	NOP									
SVE-07	09/20/10							97.82	92.82	72.82	2.0	81.28	16.54		0	no	8.46	NOP									
SVE-07	12/16/10							97.82	92.82	72.82	2.0	80.33	17.49		0	no	7.51	NOP									
SVE-07	03/25/11							97.82	92.82	72.82	2.0	80.43	17.39		0	no	7.61	NOP									
SVE-07	05/25/11							97.82	92.82	72.82	2.0	80.99	16.83		0	no	8.17	NOP									
SVE-07	08/29/11							97.82	92.82	72.82	2.0	81.18	16.64		0	no	8.36	NOP									
SVE-07	11/23/11							97.82	92.82	72.82	2.0	80.59	17.23		0	no	7.77	NOP									
SVE-07	02/21/12							97.82	92.82	72.82	2.0	81.35	16.47		0	no	8.53	NOP									
SVE-07	05/22/12							97.82	92.82	72.82	2.0	80.96	16.86		0	no	8.14	NOP									
SVE-07	08/27/12							97.82	92.82	72.82	2.0	80.52	17.30		0	no	7.70	NOP									
SVE-07	11/29/12							97.82	92.82	72.82	2.0	80.03	17.79		0	no	7.21	NOP									
SVE-07	02/26/13							97.82	92.82	72.82	2.0	79.68	18.14		0	no	6.86	NOP									
SVE-07	05/16/13							97.82	92.82	72.82	2.0	80.88	16.94		0	no	8.06	NOP									
SVE-07	08/20/13							97.82	92.82	72.82	2.0	80.87	16.95		0	no	8.05	NOP									
SVE-07	11/18/13							97.82	92.82	72.82	2.0	81.18	16.64		0	no	8.36	NOP									
SVE-07	02/25/14							97.82	92.82	72.82	2.0	80.40	17.42		0	no	7.58	NOP									
SVE-07	04/29/14							97.82	92.82	72.82	2.0	80.67	17.15		0	no	7.85	NOP									
SVE-07	07/24/14							97.82	92.82	72.82	2.0	81.28	16.54		0	no	8.46	NOP									
SVE-07	10/16/14							97.82	92.82	72.82	2.0	80.99	16.83		0	no	8.17	NOP									
SVE-07	03/24/15							97.82	92.82	72.82	2.0	81.65	16.17		0	no	8.83	NOP									
SVE-07	06/22/15							97.82	92.82	72.82	2.0	84.42	13.40		0	no	11.60	NOP									
SVE-07	07/16/15							97.82	92.82	72.82	2.0	83.27	14.55		0	no	10.45	NOP									
SVE-07	08/25/15							97.82	92.82	72.82	2.0	82.74	15.08		0	no	9.92	NOP									
SVE-07	11/25/15							97.82	92.82	72.82	2.0	81.07	16.75		0	no	7.50	NOP									
SVE-07	03/28/16	0.0010	<0.001	<0.001	0.00050	<0.50	0.00010	0.00050	<0.50	97.82	92.82	72.82	2.0	81.15	16.67	0	no	8.33									
SVE-07	06/15/16	<0.001	<0.001	0.00880	0.0010	0.00020	2.44	97.82	92.82	72.82	2.0	82.18	15.64		0	no	9.36										
SVE-07	08/24/16	0.0330	0.0010	0.0070	0.0020	0.0250	0.89	97.82	92.82	72.82	2.0	80.83	16.99		0	no	8.01										
SVE-07	05/16/17	0.0070	<0.001	0.00650	0.0010	<0.50	0.00050	<0.50	97.82	92.82	72.82	2.0	80.32	17.50		0	no	7.50									
SVE-07	08/28/17							97.82	92.82	73.26	2.0				0	no	7.50										
SVE-07	11/20/17	0.0010	<0.001	<0.001	<0.001	<0.50	0.0040	<0.001	<0.001	97.82	92.82	73.26	2.0	80.77	17.05	0	no	7.51									
SVE-07	03/19/18	0.0030	0.0010	0.0020	0.0010	0.0040	<0.50	97.82	92.82	73.57	2.0	79.94	17.88		0	no	6.37										
SVE-07	06/14/18	<0.001	<0.001	<0.001	<0.001	<0.50	0.0040	<0.001	<0.001	97.82	92.82	73.57	2.0	83.08	14.74		0	no	9.51								
SVE-07	09/12/18	0.0250	<0.001	<0.001	0.0020	<0.001	<0.50	0.0040	<0.001	97.82	92.82	73.57	2.0	80.72	17.10		0	no	7.15								
SVE-07	12/05/18	0.0060	<0.001	<0.001	0.0020	<0.001	<0.50	0.0040	<0.001	97.82	92.82	73.57	2.0	80.29	17.53	0	no	6.72									
SVE-07	03/27/19	0.0010	<0.001	<0.001	0.0040	<0.001	<0.50	0.0040	<0.001	97.82	92.82	73.57	2.0	80.45	17.37	0	no	6.88									
SVE-07	06/12/19	0.0010	<0.001	<0.001	0.0040	<0.001	<0.50	0.0040	<0.001	97.82	92.82	73.57	2.0	81.81	16.01		0	no	8.24								
SVE-07	08/14/19	<0.001	<0.001	<0.001	0.0040	<0.001	<0.50	0.0040	<0.001	97.82	92.82	73.57	2.0	81.07	16.75		0	no	7.50								
SVE-07	12/12/19	0.0010	0.0010	0.0040	0.0010	0.0060	0.50	0.0040	0.0010	97.82	92.82	73.57	2.0	79.93	17.89		0	no	6.36								
SVE-07	03/12/20	0.0020	<0.001	<0.001	<0.001	<0.001	<0.50	0.0040	<0.001	97.82	92.82	73.57	2.0	79.80	18.02		0	no	6.23								
SVE-08	09/25/07	0.0010	<0.001	<0.001	0.0040	<0.001	<0.50	0.0040	<0.001	97.82	92.82	73.57	2.0	81.19	16.22	16.20	0.02	no	8.80	FP							
SVE-08	01/10/08	3.6630	0.6450	4.6130	4.7740	0.4620	88.30	97.39	92.39	72.39	2.0	80.44	16.95		0	no	8.05										
SVE-08	04/14/08	2.8490	0.2800	1.3390	1.4440	0.1580	33.50	97.39	92.39	72.39	2.0	80.81	16.58		0	no	8.42										
SVE-08	07/22/08	0.5000	0.0093	0.0501	0.0377	0.6480	2.21	97.39	92.39	72.39	2.0	81.33	16.06		0	no	8.94										
SVE-08	11/05/08	1.0900	0.0450	0.2580	0.1210	1.3900	4.71	97.39	92.39	72.39	2.0	81.00	16.39		0	no	8.61										

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Table, Corrected for LNAPL Thickness (ft)						GW Column above BOS (ft)			GW Well Status (if not sampled)			
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzenes (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	
SVE-08	03/05/09	0.1000	0.0050	0.0450	0.0110	0.0380	1.05	97.39	92.39	72.39	2.0	81.74	15.65	
SVE-08	06/08/09	0.0270	0.0370	0.3240	0.6930	0.0010	5.75	97.39	92.39	72.39	2.0	85.39	12.00	
SVE-08	09/08/09	0.0240	0.0540	0.4450	0.0010	0.0240	20.40	97.39	92.39	72.39	2.0	81.99	15.40	
SVE-08	12/10/09	0.0320	0.0470	0.4730	0.0200	0.0600	7.55	97.39	92.39	72.39	2.0	81.25	16.14	
SVE-08	03/11/10	0.2640	0.0400	0.2020	0.0780	4.94	97.39	92.39	72.39	2.0	81.14	16.25		
SVE-08	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0010	1.61	97.39	92.39	72.39	2.0	82.66	14.73	
SVE-08	09/20/10	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	97.39	92.39	72.39	2.0	81.31	16.08	
SVE-08	12/16/10	0.0050	0.0010	0.0010	0.0010	0.0480	0.72	97.39	92.39	72.39	2.0	79.90	17.49	
SVE-08	03/25/11	0.0040	0.0010	0.0010	0.0010	0.0020	0.0800	0.75	97.39	92.39	72.39	2.0	80.40	16.99
SVE-08	05/25/11	0.0010	0.0010	0.0010	0.0010	0.0010	0.0860	0.50	97.39	92.39	72.39	2.0	81.04	16.35
SVE-08	08/29/11	0.1970	0.0010	0.0010	0.0010	0.0010	2.1400	3.77	97.39	92.39	72.39	2.0	81.20	16.19
SVE-08	11/23/11	0.0460	0.0070	0.0490	0.0310	0.5310	2.86	97.39	92.39	72.39	2.0	80.08	17.31	
SVE-08	02/21/12	0.0010	0.0010	0.0010	0.0010	0.0010	0.0070	0.50	97.39	92.39	72.39	2.0	81.35	16.04
SVE-08	05/22/12	0.1660	0.0030	0.0280	0.0070	0.3130	1.00	97.39	92.39	72.39	2.0	80.96	16.43	
SVE-08	08/27/12	0.0580	0.0010	0.0230	0.0060	0.6430	1.53	97.39	92.39	72.39	2.0	80.52	16.87	
SVE-08	11/29/12	0.0650	0.0130	0.0400	0.1480	0.1280	1.85	97.39	92.39	72.39	2.0	80.05	17.34	
SVE-08	02/26/13	1.3400	0.0560	9.3300	0.4480	72.20		97.39	92.39	72.39	2.0	79.92	17.47	
SVE-08	05/16/13	0.2110	0.0170	0.0840	0.1090	0.1410	34.40	97.39	92.39	72.39	2.0	80.87	16.52	
SVE-08	08/20/13	0.5670	0.0170	0.1220	0.0730	0.3280	2.50	97.39	92.39	72.39	2.0	80.87	16.52	
SVE-08	11/18/13	0.2320	0.0070	0.0610	0.0970	0.4740	1.97	97.39	92.39	72.39	2.0	81.24	16.15	
SVE-08	02/25/14	0.2290	0.0420	0.2010	0.1390	0.5890	1.98	97.39	92.39	72.39	2.0	80.32	17.07	
SVE-08	04/29/14	0.2100	0.0120	0.0770	0.0950	1.4800	4.59	97.39	92.39	72.39	2.0	80.72	16.67	
SVE-08	07/24/14	0.1750	0.0010	0.0090	0.0040	0.0820	1.37	97.39	92.39	72.39	2.0	81.33	16.06	
SVE-08	10/16/14	1.1800	0.0200	0.3040	0.0750	0.3280	5.96	97.39	92.39	72.39	2.0	81.01	16.38	
SVE-08	03/24/15	0.0920	0.0090	0.0250	0.0090	0.0250	2.43	97.39	92.39	72.39	2.0	81.13	16.26	
SVE-08	06/22/15	0.20100	0.0400	0.3470	0.3320	0.0240	13.40	97.39	92.39	72.39	2.0	84.45	12.94	
SVE-08	07/16/15	0.6150	0.0050	0.3070	0.2090	0.2220	6.59	97.39	92.39	72.39	2.0	83.29	14.10	
SVE-08	08/25/15	1.1250	0.0070	0.0500	0.0380	0.0250	4.94	97.39	92.39	72.39	2.0	82.30	15.09	
SVE-08	03/28/16	0.9490	0.0110	0.1240	0.1060	0.1840	5.69	97.39	92.39	72.39	2.0	81.11	16.28	
SVE-08	06/15/16	1.0500	0.0190	0.5910	0.4410	0.1450	11.20	97.39	92.39	72.39	2.0	82.23	15.16	
SVE-08	08/24/16	0.4280	0.0020	0.0310	0.0080	0.0430	2.91	97.39	92.39	72.39	2.0	80.89	16.50	
SVE-08	05/16/17	0.0790	0.0100	0.0160	0.0070		2.85	97.39	92.39	72.39	2.0	80.30	17.09	
SVE-08	08/28/17							97.39	92.39	73.04	2.0			
SVE-08	11/20/17	0.0100	<0.001	0.0030	0.0020	<0.50		97.39	92.39	73.04	2.0	80.78	16.61	
SVE-08	03/19/18	0.0760	0.0010	0.0290	0.0190	1.11		97.39	92.39	73.04	2.0	79.96	17.43	
SVE-08	06/14/18	0.0580	<0.001	0.0180	0.0080	<0.50		97.39	92.39	73.04	2.0	83.01	14.38	
SVE-08	09/12/18	0.0970	0.0030	0.0690	0.0340	0.87		97.39	92.39	73.04	2.0	80.66	16.73	
SVE-08	12/05/18	0.0050	<0.001	0.0080	<0.001	0.98		97.39	92.39	73.04	2.0	80.26	17.13	
SVE-08	03/27/19	0.0390	<0.001	0.0150	<0.001	<0.50		97.39	92.39	73.04	2.0	80.44	16.95	
SVE-08	06/12/19	0.0040	<0.001	0.0020	<0.001	0.84		97.39	92.39	73.04	2.0	81.74	15.65	
SVE-08	08/14/19	0.0180	<0.001	0.0060	<0.001	<0.50		97.39	92.39	73.04	2.0	81.10	16.29	
SVE-08	12/12/19	0.0010	0.0050	0.0060	0.0010	<0.50		97.39	92.39	73.04	2.0	79.94	17.45	
SVE-08	03/12/20	0.0010	<0.001	<0.001	<0.001	<0.50		97.39	92.39	73.04	2.0	78.79	18.60	

Groundwater Laboratory and Elevations Table

Event ID: 1989 Reporting Period: Half (4Q&1 Year: 2020

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Water Quality Data (mg/L)						Water Table Elevation, Corrected for LNAPL Thickness (ft)			Depth to LNAPL (ft)			LNAPL Thickness (ft)			GW Column above BOS (ft)			GW Above TOS			GW Column above BOS (ft)		
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzenes (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	GW Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)					
SVE-09	09/25/07	2.3230	0.0743	0.6480	1.0710	1.3640	20.30	96.95	91.95	71.95	2.0	81.16	15.79	0	0	no	9.21								
SVE-09	01/10/08	3.5300	0.0781	1.9380	0.5970	0.4210	35.60	96.95	91.95	71.95	2.0	80.36	16.59	0	0	no	8.41								
SVE-09	04/14/08	0.6420	0.0394	0.3300	0.5700	0.3390	8.66	96.95	91.95	71.95	2.0	80.83	16.12	0	0	no	8.88								
SVE-09	07/22/08	0.0893	0.0020	0.0102	0.0300	0.0884	3.54	96.95	91.95	71.95	2.0	81.43	15.52	0	0	no	9.48								
SVE-09	11/05/08	0.2140	0.0030	0.0660	0.0840	0.1810	3.97	96.95	91.95	71.95	2.0	81.01	15.94	0	0	no	9.06								
SVE-09	03/05/09	0.0680	0.0030	0.0200	0.0370	0.0110	0.60	96.95	91.95	71.95	2.0	81.55	15.40	0	0	no	9.60								
SVE-09	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0040	0.50	96.95	91.95	71.95	2.0	84.85	12.10	0	0	no	12.90								
SVE-09	09/08/09	2.8100	0.0280	0.7100	0.3260	0.0820	8.95	96.95	91.95	71.95	2.0	81.81	15.14	0	0	no	9.86								
SVE-09	12/10/09	0.0460	0.0010	0.0300	0.0100	0.0180	0.50	96.95	91.95	71.95	2.0	81.16	15.79	0	0	no	9.21								
SVE-09	03/31/10	0.0010	0.0010	0.0010	0.0010	0.0630	0.50	96.95	91.95	71.95	2.0	81.00	15.95	0	0	no	9.05								
SVE-09	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0100	0.0100	96.95	91.95	71.95	2.0	82.49	14.46	0	0	no	10.54								
SVE-09	09/20/10	0.5900	0.0060	0.1620	0.0600	0.2370	5.11	96.95	91.95	71.95	2.0	81.14	15.81	0	0	no	9.19								
SVE-09	12/16/10	0.0290	0.0010	0.0020	0.0120	0.1110	0.50	96.95	91.95	71.95	2.0	80.30	16.65	0	0	no	8.35								
SVE-09	03/25/11	0.0010	0.0010	0.0010	0.0010	0.3020	0.87	96.95	91.95	71.95	2.0	80.34	16.61	0	0	no	8.39								
SVE-09	05/25/11	0.0010	0.0010	0.0010	0.0010	0.0240	0.50	96.95	91.95	71.95	2.0	80.94	16.01	0	0	no	8.99								
SVE-09	08/29/11	0.0060	0.0010	0.0020	0.0010	0.2660	0.50	96.95	91.95	71.95	2.0	81.15	15.80	0	0	no	9.20								
SVE-09	11/23/11	0.0510	0.0010	0.0020	0.0080	0.4000	0.55	96.95	91.95	71.95	2.0	80.40	16.55	0	0	no	8.45								
SVE-09	02/21/12	0.0010	0.0010	0.0010	0.0010	0.0090	0.50	96.95	91.95	71.95	2.0	81.27	15.68	0	0	no	9.32								
SVE-09	05/22/12	0.0010	0.0010	0.0010	0.0010	0.0100	0.50	96.95	91.95	71.95	2.0	80.90	16.05	0	0	no	8.95								
SVE-09	08/27/12	0.0150	0.0010	0.0010	0.0010	0.0020	0.50	96.95	91.95	71.95	2.0	80.42	16.53	0	0	no	8.47								
SVE-09	11/29/12	0.0260	0.0010	0.0080	0.0030	0.3150	0.52	96.95	91.95	71.95	2.0	80.00	16.95	0	0	no	8.05								
SVE-09	02/26/13	0.6720	0.1060	0.0580	1.2400	0.3500	8.72	96.95	91.95	71.95	2.0	79.63	17.32	0	0	no	7.68								
SVE-09	05/16/13	0.1070	0.0010	0.0010	0.0010	0.0250	0.68	96.95	91.95	71.95	2.0	80.79	16.16	0	0	no	8.84								
SVE-09	08/20/13	0.0010	<0.001	<0.001	<0.001	0.0010	<0.001	96.95	91.95	71.95	2.0	80.76	16.19	0	0	no	8.81	DRY							
SVE-09	11/18/13	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	96.95	91.95	71.95	2.0	81.14	15.81	0	0	no	1.19								
SVE-09	02/25/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	96.95	91.95	71.95	2.0	80.30	16.65	0	0	no	0.35								
SVE-09	04/29/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	96.95	91.95	71.95	2.0	80.65	16.30	0	0	no	0.70								
SVE-09	07/24/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	96.95	91.95	71.95	2.0	81.23	15.72	0	0	no	1.28								
SVE-09	10/16/14	<0.001	<0.001	<0.001	<0.001	0.0010	<0.001	96.95	91.95	71.95	2.0	80.95	16.00	0	0	no	1.00								
SVE-09	03/24/15	0.0010	<0.001	<0.001	<0.001	0.0010	<0.001	96.95	91.95	71.95	2.0	81.14	15.81	0	0	no	1.19								
SVE-09	07/16/15	0.0010	<0.001	<0.001	<0.001	0.0010	<0.001	96.95	91.95	71.95	2.0	83.50	13.45	0	0	no	3.55	NOP							
SVE-10	09/25/07	19.3680	1.2020	6.5820	16.6460	0.0489	133.00	96.69	91.69	71.69	2.0	81.15	15.54	0	0	no	9.46								
SVE-10	01/10/08	18.7190	0.5730	7.9570	1.13270	0.0622	162.00	96.69	91.69	71.69	2.0	80.39	16.30	0	0	no	8.70								
SVE-10	04/14/08	0.8810	0.0270	0.2660	0.5470	0.0281	11.00	96.69	91.69	71.69	2.0	81.30	15.39	0	0	no	9.61								
SVE-10	11/05/08	0.0620	0.0010	0.0450	0.1910	4.14		96.69	91.69	71.69	2.0	81.03	15.66	0	0	no	9.34								
SVE-10	03/05/09	0.0140	0.0010	0.0090	0.0040	0.50		96.69	91.69	71.69	2.0	81.97	14.72	0	0	no	10.28								
SVE-10	06/08/09	0.0010	0.0010	0.0010	0.0010	0.0090	0.50	96.69	91.69	71.69	2.0	85.40	11.29	0	0	no	13.71								
SVE-10	09/08/09	3.6000	0.0780	1.5100	0.8480	0.1090	16.70	96.69	91.69	71.69	2.0	81.88	14.81	0	0	no	10.19								
SVE-10	12/10/09	0.0010	0.0010	0.0010	0.0010	0.0010	0.50	96.69	91.69	71.69	2.0	81.24	15.45	0	0	no	9.55								
SVE-10	03/31/10	0.0010	0.0010	0.0010	0.0010	0.0260	0.50	96.69	91.69	71.69	2.0	81.13	15.56	0	0	no	9.44								
SVE-10	06/24/10	0.0010	0.0010	0.0010	0.0010	0.0800	0.50	96.69	91.69	71.69	2.0	83.20	13.49	0	0	no	11.51								
SVE-10	09/20/10	0.0070	0.0010	0.0010	0.0010	0.0030	0.50	96.69	91.69	71.69	2.0	81.32	15.37	0	0	no	9.63								
SVE-10	12/16/10	0.1850	0.0020	0.0010	0.0720	0.0430	1.71	96.69	91.69	71.69	2.0	80.47	16.22	0	0	no	8.78								

Groundwater Laboratory and Elevations Table

Event ID: 1989		Reporting Period: Half (4Q&1		Year: 2020													
Click on a cell in the section in which you wish the additional row. Then click "New Row".																	
Well ID	Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TEPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Water Table Elevation, Corrected for LNAPL Thickness (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)
SVE-10	03/25/11	0.1060	0.0020	0.0230	0.0140	0.0120	6.05	96.69	91.69	71.69	2.0	80.35	16.34	0	no	8.66	
SVE-10	05/25/11	0.0010	0.0010	0.0010	0.0010	0.0030	0.50	96.69	91.69	71.69	2.0	80.99	15.70	0	no	9.30	
SVE-10	08/29/11	0.0010	0.0010	0.0010	0.0010	0.0090	0.50	96.69	91.69	71.69	2.0	81.18	15.51	0	no	9.49	
SVE-10	11/23/11	0.2150	0.0030	0.0180	0.0190	0.0260	1.62	96.69	91.69	71.69	2.0	80.44	16.25	0	no	8.75	
SVE-10	02/21/12	0.0010	0.0010	0.0010	0.0010	0.0100	0.50	96.69	91.69	71.69	2.0	81.71	14.98	0	no	10.02	
SVE-10	05/22/12	0.0010	0.0010	0.0010	0.0010	0.0080	0.50	96.69	91.69	71.69	2.0	82.09	14.60	0	no	10.40	
SVE-10	08/27/12	0.2900	0.0060	0.0140	0.0010	0.0670	1.30	96.69	91.69	71.69	2.0	80.60	16.09	0	no	8.91	
SVE-10	11/29/12	0.0050	0.0010	0.0020	0.0030	0.0990	0.50	96.69	91.69	71.69	2.0	80.15	16.54	0	no	8.46	
SVE-10	02/26/13	2.1300	0.0580	0.2190	0.2590	0.1260	5.14	96.69	91.69	71.69	2.0	79.87	16.82	0	no	8.18	
SVE-10	05/16/13	0.6800	0.0140	0.0070	0.0590	0.1060	1.70	96.69	91.69	71.69	2.0	80.75	15.94	0	no	9.06	
SVE-10	08/16/13	<0.001	<0.001	<0.001	<0.001	<0.5	<0.001	96.69	91.69	71.69	2.0	80.75	15.94	0	no	9.06	
SVE-10	11/18/13	<0.001	<0.001	<0.001	<0.001	<0.5	<0.001	96.69	91.69	71.69	2.0	81.11	15.58	0	no	9.42	
SVE-10	02/25/14	<0.001	<0.001	<0.001	<0.001	<0.5	<0.001	96.69	91.69	71.69	2.0	80.27	16.42	0	no	8.58	
SVE-10	04/29/14	<0.001	<0.001	<0.001	<0.001	<0.5	<0.001	96.69	91.69	71.69	2.0	80.19	16.50	0	no	8.50	
SVE-10	07/24/14	<0.001	<0.001	<0.001	<0.001	<0.50	<0.001	96.69	91.69	71.69	2.0	81.24	15.45	0	no	9.55	
SVE-10	10/16/14	<0.001	<0.001	<0.001	<0.001	<0.50	<0.001	96.69	91.69	71.69	2.0	80.95	15.74	0	no	9.26	
SVE-10	03/24/15							96.69	91.69	71.69	2.0			0	no		
SVE-10	07/16/15							96.69	91.69	71.69	2.0	83.44	13.25	0	no	11.75	
Trip Blank	04/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.50							0	na	0.00	
Trip Blank	07/19/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.50							0	na	0.00	
Trip Blank	10/21/04	0.0005	0.0005	0.0005	0.0005	0.0005	0.50							0	na	0.00	
Trip Blank	01/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.50							0	na	0.00	
Trip Blank	04/20/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.50							0	na	0.00	
Trip Blank	07/21/05	0.0005	0.0005	0.0005	0.0005	0.0005	0.50							0	na	0.00	
Trip Blank	10/27/05	0.0005	0.0014	0.0005	0.0005	0.0022	0.50							0	na	0.00	
Trip Blank	01/19/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.50							0	na	0.00	
Trip Blank	04/18/06	0.0005	0.0005	0.0005	0.0005	0.0005	0.50							0	na	0.00	
		RBSL	0.0050	1.0000	0.7000	1.4000	0.0200										

If concentration is less than the stated laboratory detection limit, list the detection limit (not ND); e.g. 0.0005 or <0.0005

TOC = Surveyed elevation top of casing

TOS = Elevation top of screen

BOS = Elevation bottom of screen

mg/L = milligrams per liter

RBSL = Risk-based Screening Level

DRY

INA =Inaccessible (mention why in the narrative)

NOP

Not on Monitoring Plan

LNAPL =Light Non-Aqueous Phase Liquid Present

P&A =Plugged and Abandoned

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Event ID.	Reporting Period	Water Quality Data										Biosolids Characterization			Soil Characterization			Groundwater Monitoring		
		Dissolved Oxygen (mg/L)	Date	Temp. (°C)	pH	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe4+2 (mg/L)	SO4-2 (mg/L)	Alkalinity (mg/L)	PO4-3 (mg/L)	HPC Aerobic (cfu/mL)	Anaerobic (cfu/mL)	TOC (mg/L)	BOD (mg/L)	EC (µS/cm)	Depth (m)	Location
CHMW-01	04/20/05	1.41	14.5	7.3	2442	-242														
CHMW-01	07/21/05	1.19	14.9	7.2	2729	-261														
CHMW-01	10/27/05	1.08	16.6				2711	-3												
CHMW-01	01/19/06	0.72	16.7	7.3			4698	-353												
CHMW-01	04/18/06	0.53	15.6	7.1			2174	-289												
CHMW-01	07/19/06	1.40	15.1	7.2			2610	-278												
CHMW-01	10/19/06	2.17	16.5	7.3			2476	-257												
CHMW-01	03/28/07	1.09	15.3	6.8			2492	-285												
CHMW-01	06/26/07	1.25	14.8	7.0			2905	-280												
CHMW-01	09/25/07	1.63	16.1	8.8			2516	-241												
CHMW-01	01/10/08	1.04	16.7	7.6			2471	-261												
CHMW-01	04/14/08	0.44	15.8	8.1			2070	-236												
CHMW-01	07/22/08	0.21	15.4	7.5			2088	-382												
CHMW-01	11/05/08	0.12	16.8	7.8			3066	-371												
CHMW-01	03/05/09	0.38	16.5	7.5			3486	-288												
CHMW-01	06/08/09	0.55	14.0	7.0			4249	-282												
CHMW-01	09/03/09	0.10	14.8	7.3			3257	-299												
CHMW-01	12/10/09	0.20	16.6	7.3			2945	-319												
CHMW-01	03/31/10	1.36	15.0	7.3			2359	-241												
CHMW-01	06/24/10	0.51	14.8	7.3			5329	-321												
CHMW-01	09/20/10	0.27	15.7	7.3			4960	-330												
CHMW-01	12/16/10	0.36	16.1	7.2			2760	-292												
CHMW-01	03/25/11	6.63	15.7	7.2			2762	-296												
CHMW-01	05/25/11	0.40	15.2	7.1			2755	-325												
CHMW-01	08/29/11	0.43	15.6	7.0			3150	-331												
CHMW-01	11/23/11	0.31	16.6	7.4			3436	-341												
CHMW-01	02/21/12	0.41	18.8	7.0			3678	-322												
CHMW-01	05/22/12	1.25	14.8	7.3			2574	-325												
CHMW-01	08/27/12	2.12	15.7	7.4			5705	-311												
CHMW-01	11/29/12	1.09	17.1	7.1			5209	-312												
CHMW-01	12/10/12																			
CHMW-01	02/26/13	1.05	17.5	7.7			5591	-332												
CHMW-01	05/16/13	2.02	15.6	7.0			3628	-309												
CHMW-01	08/20/13	0.44	15.7	7.6			4425	-183												

Click on a cell in the section in which you wish the additional row. Then click "New Row".

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q) In the section in which you wish now. Then click "New Row"

Year: 2020

Event ID.	Reporting Period	Location	Parameter	Data Points										Mean	SD	Min	Max	
				Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe²⁺ (mg/L)	SO₄²⁻ (mg/L)	Alkalinity (mg/L)	PO4-³ (mg/L)	HPC Aerobic (cfu/mL)	HPC Anaerobic (cfu/mL)	TOC (mg/L)
CHMW-01	07/24/14			0.66	15.2	7.1		3565	-331									
CHMW-01A	01/20/15			0.30	16.6	7.4		3080	-221									
CHMW-01A	06/22/15			0.39	15.0	6.8		3700	-243									
CHMW-01A	08/25/15			0.43	15.4	7.1		3595	-323									
CHMW-01A	11/25/15			0.04	16.7	6.9		3319	-312									
CHMW-01A	03/28/16			0.12	16.2	6.9		3060	-296									
CHMW-01A	06/15/16			0.27	21.8	7.2		3260	-287									
CHMW-01A	07/15/16			0.40	16.6	6.2		10172	-26									
CHMW-01A	08/24/16			0.79	16.9	3.1		32200	388									
CHMW-01A	05/16/17			0.88	18.8	6.8		8620	-37	<0.5		54.7	25.4	5374.0	769	<0.5	550.0	40.0
CHMW-01A	08/28/17																70.0	<30
CHMW-01A	11/20/17			0.57	18.0	6.7		4191	-171	<1.0		57.6	0.4	2038.0	352	<1.0	8900.0	250.0
CHMW-01A	03/19/18			0.62	16.0	3.4		19929	404								600.0	30.0
CHMW-01A	06/14/18			0.20	15.6	6.8		4040	-254								540.0	<30
CHMW-01A	09/12/18			0.70	16.4	7.1		4775	-224								60.0	<30
CHMW-01A	12/05/18			0.13	16.8	6.1		1246	-150								2700.0	190.0
CHMW-01A	03/27/19			0.09	15.6	6.3		3248	-24								975000.0	7500.0
CHMW-01A	06/12/19			0.89	14.8	7.0		3742	-276								100.0	<30
CHMW-01A	08/14/19			0.22	15.8	7.1		3540	-236								40.0	30.0
CHMW-01A	12/12/19			1.57	17.1	7.6		11838	92									
CHMW-02	01/10/08			4.27	13.9	7.3		6305	53									
CHMW-02	04/14/08			2.75	13.7	7.3		6058	93									
CHMW-02	07/22/08			2.74	13.4	7.1		6647	-6									
CHMW-02	11/05/08			2.63	14.7	7.3		6759	-1									
CHMW-02	03/05/09			2.17	13.8	7.2		6874	57									
CHMW-02	06/03/09			4.00	12.9	7.0		7038	65									
CHMW-02	09/03/09			0.84	13.4	7.1		6560	-7									
CHMW-02	12/09/09			1.99	14.8	7.0		6679	148									
CHMW-02	03/31/10			3.32	12.9	7.4		5773	-22									
CHMW-02	06/24/10			3.60	12.3	7.1		11320	-14									
CHMW-02	09/20/10			1.16	13.9	7.3		10280	-113									
CHMW-02	12/16/10			1.05	14.7	7.1		3079	-99									
CHMW-02	03/25/11			2.77	13.6	7.1		6840	124									
CHMW-02	05/25/11			2.65	13.3	7.0		7143	98									

Click on a cell in the section in which you wish the additional row. Then click "New Row".

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Event No.	Reporting Period	Location	Parameter	Water Quality Data (mg/L)										Notes					
				Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Conductance (µS/cm)	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe+2 (mg/L)	SO4-2 (mg/L)	Alkalinity (mg/L)	P O4-3 (mg/L)	HPC Aerobic (cfu/mL)	Anaerobic (cfu/mL)	TOC (mg/L)
CHMW-02	08/29/11	1.40	13.7	6.9	6788	-54													
CHMW-02	11/23/11	0.88	14.3	7.3	7972	-234													
CHMW-02	02/21/12	2.06	13.7	7.6	7845	-96													
CHMW-02	05/22/12	2.10	15.1	6.3	4873	-89													
CHMW-02	08/27/12	2.05	14.2	7.2	12290	181													
CHMW-02	11/29/12	1.04	14.8	7.1	1285	185													
CHMW-02	02/26/13	1.69	16.3	7.5	5891	-196													
CHMW-02	05/16/13	6.83	13.6	7.1	6721	12													
CHMW-02	08/20/13	3.13	13.5	7.8	7013	-34													
CHMW-02	11/18/13	0.94	14.2	7.2	6846	78													
CHMW-02	02/25/14	1.09	13.4	7.1	6304	109													
CHMW-02	04/29/14	2.26	13.5	7.1	6410	107													
CHMW-02	07/24/14	3.73	13.2	7.2	6689	-29													
CHMW-02	10/16/14	1.63	14.4	7.1	6805	82													
CHMW-02	08/25/15	3.05	13.4	7.0	7002	121													
CHMW-02	05/16/17	2.68	14.3	7.3	7170	186													
CHMW-03	04/20/05	6.30	14.2	6.8	2126	99													
CHMW-04	01/10/08	1.85	16.1	7.3	3077	10													
CHMW-04	04/14/08	0.90	14.3	7.4	2919	38													
CHMW-04	07/22/08	0.25	15.7	7.0	3166	-12													
CHMW-04	11/05/08	0.27	16.0	7.6	3203	7													
CHMW-04	03/05/09	0.47	15.0	7.2	3118	53													
CHMW-04	06/08/09	0.85	14.1	6.9	2712	25													
CHMW-04	09/08/09	0.62	18.6	6.8	2424	-39													
CHMW-04	12/09/09	0.21	16.3	7.0	3032	117													
CHMW-04	03/31/10	2.23	13.7	7.4	2551	-65													
CHMW-04	06/24/10	0.20	13.2	7.0	5251	-29													
CHMW-04	09/20/10	0.34	16.7	8.0	4743	-222													
CHMW-04	12/16/10	0.21	16.0	6.4	3211	-202													
CHMW-04	03/25/11	2.71	14.3	6.9	3238	130													
CHMW-04	05/25/11	0.38	14.2	6.9	3362	125													
CHMW-04	08/29/11	0.80	15.8	6.9	3262	-57													
CHMW-04	11/23/11	0.47	17.8	7.3	3792	-217													
CHMW-04	02/21/12	0.95	15.7	6.9	3727	-19													

Click on a cell in the section in which you wish the additional row. Then click "New Row".

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
In the section in which you wish
now. Then click "New Row"

Event ID: 1989

Year: 2020

Water Quality Data Log									
Well ID	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe²⁺ (mg/L)
								PO4-3 (mg/L)	HPC Aerobic (cfu/mL)
CHMW-04	05/22/12	0.74	15.2	7.2	2911	-28			
CHMW-04	08/27/12	1.54	16.6	7.2	5932	199			
CHMW-04	11/29/12	0.63	17.9	6.8	6311	159			
CHMW-04	02/26/13	2.84	15.2	7.6	5160	-211			
CHMW-04	05/16/13	1.03	14.6	7.0	3266	6			
CHMW-04	08/20/13	0.39	16.2	7.5	3470	-104			
CHMW-04	11/18/13	1.02	17.0	7.3	3400	60			
CHMW-04	02/25/14	0.60	15.0	7.0	2973	84			
CHMW-04	04/29/14	0.98	13.6	7.0	3621	101			
CHMW-04	07/24/14	0.65	15.1	7.2	3273	-74			
CHMW-04	10/16/14	2.36	17.4	7.0	3044	61			
CHMW-04	08/25/15	0.28	15.5	7.0	3140	127			
CHMW-04	05/16/17	2.84	15.4	7.4	3240	134			
MW-01	04/20/05	5.80	12.7	6.7	3556	102			
MW-01	07/21/05	3.27	15.6	6.9	3548	277			
MW-01	10/27/05	0.72	17.4		3688	12			
MW-01	01/19/06	0.48	14.9	7.0	6806	-288			
MW-01	04/18/06	0.87	12.7	7.1	3405	-131			
MW-01	07/19/06	2.19	15.1	6.8	3239	24			
MW-01	10/19/06	1.21	17.0	7.1	2600	-8			
MW-01A	06/15/16	2.94	25.5	7.3	2160	162			
MW-01A	08/24/16	3.46	16.9	7.2	2680	82			
MW-01B	04/20/05	24.13	13.8	7.0	3801	-18			
MW-01B	07/21/05	1.07	16.0	6.9	3586	-244			
MW-01B	10/27/05	0.73	18.2		4106	-10			
MW-01B	01/19/06	0.86	14.4	7.0	7619	-330			
MW-01B	04/18/06	0.31	12.5	6.9	3436	-186			
MW-01B	07/19/06	1.87	15.4	6.9	3251	-183			
MW-01B	10/19/06	1.78	17.8	7.0	2677	-223			
MW-02	04/20/05	25.45	13.7	6.8	3259	26			
MW-02	07/21/05	0.94	15.7	6.8	2366	-211			
MW-02	10/27/05	0.67	17.8		2470	2			
MW-02	01/19/06	0.54	15.3	6.9	4631	-322			
MW-02	04/18/06	0.39	13.1	6.8	2973	-154			

Click on a cell in the section in which you wish the additional row. Then click "New Row"

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q) In the section in which you wish now. Then click "New Row"

Event ID: 1989

Year: 2020

Water Quality Data Log												
Well ID	Date	Physical Parameters				Chemical Parameters				Microbial Parameters		
		Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Conductance (µS/cm)	Specific ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe²⁺ (mg/L)	SO₄²⁻ (mg/L)	Alkalinity (mg/L)	PO4-3 (mg/L)
MW-11	12/12/19	0.33	16.3	7.6	4573	220						
MW-11	03/12/20	0.56	12.7	7.9	4704	173	<1.0					
MW-12	01/20/15	3.24	16.5	7.4	4013	11						
MW-12	03/24/15	1.47	15.5	6.9	4398	2						
MW-12	06/22/15	1.69	15.1	7.1	4414	186						
MW-12	08/25/15	0.98	15.5	7.2	4514	79						
MW-12	11/25/15	0.33	16.2	7.1	4566	-143						
MW-12	03/28/16	2.93	15.4	6.8	3540	94	41.7			915.0	<0.5	1700.0
MW-12	06/15/16	2.64	22.9	7.1	2830	114	18.0			1350.0	<0.5	5200.0
MW-12	08/24/16	2.47	16.9	7.2	4090	67	25.8			1050.0	<0.5	2000.0
MW-12	05/16/17	0.90	15.7	7.5	4560	24	26.9	7.2	<0.05	1906.0	560	<0.5
MW-12	11/20/17	3.11	16.0	7.1	6889	258	36.2	47.8	<0.050	1750.0	494	<1.0
MW-12	03/19/18	0.32	15.4	7.0	5371	120						
MW-12	06/14/18	0.58	15.4	7.1	4733	-112						
MW-12	09/13/18	0.92	17.2	7.2	5161	66						
MW-12	12/05/18	1.56	15.7	7.2	4712	-49						
MW-12	03/27/19	0.66	14.9	7.2	5043	221						
MW-12	06/12/19	2.13	14.5	7.2	4651	76						
MW-12	08/14/19	0.78	19.4	7.8	4037	111						
MW-12	12/12/19	0.77	15.3	7.1	4992	211	28.0			1200.0		
MW-12	03/12/20	0.85	13.6	7.7	3713	157	<1.0					
MW-13	05/25/16	2.08	15.1	7.3	4280	-81						
MW-13	06/15/16	0.63	20.8	7.4	3410	-211	2.1			2600.0		
MW-13	08/24/16	0.99	17.1	7.4	3440	-177	<0.5			1000.0	<0.5	
MW-13	05/16/17	0.76	16.3	7.6	3960	-114	2.5	162.0	<0.05	1676.0	564	<0.5
MW-13	08/28/17	0.51	23.2	5.9	2880	-209	1.7	12.9	1.2	1120.0	406	<0.5
MW-13	11/20/17	0.68	18.3	7.4	3328	-207	<1.0	127.0	0.8	1132.0	404	<1.0
MW-13	03/19/18	0.33	15.8	7.2	3852	-20					2000.0	<30
MW-13	06/14/18	0.38	15.5	7.3	3453	-249					1765000.0	1575000.0
MW-13	09/12/18	0.27	17.8	7.5	3679	-222					11600.0	220.0
MW-13	12/05/18	0.09	17.5	7.1	3141	-152					6600.0	<30
MW-13	03/27/19	0.15	16.0	7.3	3974	-61					2700.0	<30
MW-13	06/12/19	0.99	14.3	7.3	3613	-204					10900.0	<30

Event ID: 1989

Reporting Period: Half (4Q&1Q)
Click on a cell in the section in which you wish
the additional row. Then click "New Row"**Secondary Groundwater Parameters Table**

Year: 2020

Well ID	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe+2 (mg/L)	SO4-2 (mg/L)	Alkalinity (mg/L)	PO4-3 (mg/L)	HPC Aerobic (cfu/mL)	HPC Anaerobic (cfu/mL)	TOC (mg/L)	BOD (mg/L)
MW-13	08/14/19	0.52	15.8	7.4	3072	-192							3400.0	<30		
MW-13	12/12/19	0.26	16.5	7.3	3966	98										
MW-13	03/12/20	0.51	13.0	6.3	4130	-127										
MW-14	05/17/17						<0.5		89.5 <0.05	642.0		616 <0.5	1350.0	30.0		
MW-14	08/28/17	0.44	18.8	6.3	5824	-77	<0.5	57.0	27.5	3200.0		448 <0.5	3600.0	230.0	37.0	
MW-14	11/20/17	2.68	17.4	6.8	4069	-102	1.2	96.9	34.4	481.0		860 <1.0	54000.0	760.0	8.6	
MW-14	03/19/18	0.13	16.0	7.2	3506	-143							290000.0	840.0		
MW-14	06/14/18	0.20	15.8	7.2	2940	-288							107000.0	460.0		
MW-14	09/12/18	0.40	16.4	7.1	4183	-198							30000.0	160.0		
MW-14	12/05/18	0.07	16.9	7.0	3124	-298							18500.0	400.0		
MW-14	03/27/19												10500.0	250.0		
MW-14	06/12/19	0.83	14.9	7.3	2474	-282							6700.0	280.0		
MW-14	08/14/19	0.55	16.7	7.4	2858	-250							3500.0	320.0		
MW-14	12/12/19	0.03	16.7	7.3	2997	91										
MW-14	03/12/20	0.02	14.6	7.8	2674	-181	<1.0									
MW-15	06/15/16	0.11	18.7	7.3	3300	-261	<0.5									
MW-15	07/15/16	0.06	16.2	7.1	3519	-222										
MW-15	08/24/16						<0.5						620.0	4.4	30000.0	300.0
MW-15	05/16/17	0.24	16.3	7.5	3320	-302										
MW-15	11/20/17	0.56	18.4	7.5	2940	-222										
MW-15	06/14/18	0.24	18.2	7.6	3159	-286										
MW-15	12/05/18	0.24	15.7	7.2	3099	-188										
MW-15	08/14/19	0.29	16.2	7.4	2886	-222										
MW-15	12/12/19	0.26	15.2	7.8	5287	201										
MW-15	03/12/20	0.03	16.1	7.7	5477	151										
MW-16	06/15/16	0.07	21.4	7.2	2900	-143										
MW-16	05/16/17	0.37	16.8	7.3	2690	-147	<0.5	119.0	1.1	296.0		768 <0.5	1450.0	100.0		
MW-16	08/28/17						<0.5						1780	5.9	500000.0	7200.0
MW-16	11/20/17	1.40	17.7	7.8	3843	-158	2.1	79.9	0.9	583.0	3000	4.4	30000.0	300.0	8.4	
MW-16	03/19/18	0.10	15.9	7.4	4227	-131							4000.0	250.0		
MW-16	06/14/18	0.15	15.7	7.3	2800	-262							11100.0	<30		
MW-16	09/12/18	0.65	17.1	7.2	3844	-84							2600.0	<30		
MW-16	12/05/18	0.14	15.8	7.2	4117	-243							2050.0	30.0		
MW-16	03/27/19												2200.0	60.0		

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Water Quality Data Log - Event #1 - 1500											
Parameter	Sampling Point A			Sampling Point B			Sampling Point C			Location	
	Date	Dissolved Oxygen (mg/L)	pH	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe+2 (mg/L)	SO4-2 (mg/L)	Alkalinity (mg/L)	
MW-16	06/12/19	0.78	14.9	7.3	3178	-152					
MW-16	08/14/19	0.16	16.3	7.5	2908	-230					
MW-16	12/12/19	0.07	16.7	7.6	4564	205					
MW-16	03/12/20	0.67	12.5	7.8	5042	1	<1.0				
MW-17	05/25/16	3.92	16.3	6.9	3660	113					
MW-17	06/15/16	2.42	20.6	7.1	3110	-77					
MW-17	07/15/16	3.46	15.3	7.0	3155	43					
MW-17	08/24/16	4.05	16.1	7.1	3200	-21					
MW-17	05/16/17	0.85	16.6	7.3	3390	-93					
MW-17	11/20/17	15.19	14.5	8.9	2600	71					
MW-17	06/14/18	21.25	15.6	8.6	3762	-80					
MW-17	09/13/18	15.92	17.0	8.3	3527	-26					
MW-17	12/05/18	26.23	16.2	8.3	12	49					
MW-17	08/14/19	7.26	17.1	7.8	3078	73					
MW-17	12/12/19	0.54	15.9	7.9	2480	192					
MW-17	03/12/20	0.46	13.1	8.7	1937	11					
MW-18	05/25/16	2.51	15.1	7.2	3890	-53					
MW-18	06/15/16	0.55	20.8	7.3	3170	22					
MW-18	07/15/16	0.44	15.8	7.0	3582	62					
MW-18	08/24/16	2.69	17.0	7.1	3970	-38					
MW-18	05/16/17	1.94	15.2	7.4	3720	-18					
MW-18	08/28/17	1.27	18.0	7.2	3228	47					
MW-18	11/20/17	2.69	16.8	6.8	4741	174					
MW-18	03/19/18	0.56	15.4	6.8	4761	91					
MW-18	06/14/18	4.36	15.6	7.1	3431	-116					
MW-18	09/13/18	2.50	19.3	7.2	4106	19					
MW-18	12/05/18	2.48	17.0	6.9	3875	42					
MW-18	03/27/19	0.82	15.4	6.8	5048	-22					
MW-18	06/12/19	4.94	14.6	7.0	4014	117					
MW-18	08/14/19	3.07	16.2	7.2	3119	-96					
MW-18	12/12/19	0.47	16.4	7.3	4758	218	4.5				1100.0
MW-18	03/12/20	0.19	12.8	7.7	5707	162	<1.0				<2.0
MW-19	05/26/17	0.50	17.7	6.1	3110	8					
MW-19	08/28/17	1.00	19.6	7.6	5029	-65					

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Event ID: 1989

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Event ID: 1303 Reporting: Critical Transect									
Date: 2020-08-01									
Well ID	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Conductance (µS/cm)	Specific ORP (mV)	NO3- (mg/L)	Fe (mg/L)	Alkalinity (mg/L)
									PO4-3 (mg/L)
O-02	05/16/13	6.79							
O-02	08/20/13	1.40							
O-02	11/18/13	6.89							
O-02	04/29/14	3.21							
O-03	01/10/08	1.69							
O-03	04/14/08	0.66							
O-03	07/22/08	27.33							
O-03	11/05/08	31.02							
O-03	03/05/09	37.80							
O-03	06/08/09	34.11							
O-03	09/08/09	3.00							
O-03	12/09/09	41.08							
O-03	03/31/10	18.00							
O-03	06/24/10	36.30							
O-03	09/23/10	11.85							
O-03	12/16/10	38.25							
O-03	03/24/11	38.81							
O-03	05/25/11	32.15							
O-03	08/29/11	6.76							
O-03	11/23/11	5.01							
O-03	12/29/11	15.02							
O-03	02/21/12	24.11							
O-03	05/22/12	17.03							
O-03	08/27/12	25.23							
O-03	11/29/12	15.40							
O-03	02/26/13	0.88							
O-03	05/16/13	6.54							
O-03	08/20/13	2.05							
O-03	11/18/13	5.61							
O-03	04/29/14	2.32							
O-04	01/10/08	1.49							
O-04	04/14/08	0.51							
O-04	07/22/08	29.64							
O-04	11/05/08	35.44							

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Event ID	Reporting Period	Location	Parameter	Data										Notes						
				Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Conductance (µS/cm)	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe+2 (mg/L)	SO4-2 (mg/L)	Alkalinity (mg/L)	PO4-3 (mg/L)	HPC Aerobic (cfu/mL)	HPC Anaerobic (cfu/mL)	TOC (mg/L)	BOD (mg/L)
O-04	03/05/09				33.69															
O-04	06/08/09				30.54															
O-04	09/08/09				8.22															
O-04	12/09/09				40.25															
O-04	03/31/10				20.31															
O-04	06/24/10				39.71															
O-04	09/23/10				10.40															
O-04	12/16/10				32.68															
O-04	03/24/11				36.49															
O-04	05/25/11				39.28															
O-04	08/29/11				3.44															
O-04	11/23/11				1.43															
O-04	12/29/11				15.23															
O-04	02/21/12				20.52															
O-04	05/22/12				13.03															
O-04	08/27/12				24.11															
O-04	11/29/12				16.33															
O-04	02/26/13				1.86															
O-04	05/16/13				6.95															
O-04	08/20/13				1.74															
O-04	11/18/13				3.68															
O-04	04/29/14				3.16															
O-05	01/10/08				1.17															
O-05	04/14/08				0.46															
O-05	07/22/08				31.05															
O-05	11/05/08				26.49															
O-05	03/05/09				37.82															
O-05	06/08/09				31.35															
O-05	09/08/09				8.15															
O-05	12/09/09				40.89															
O-05	03/31/10				22.71															
O-05	06/24/10				38.60															
O-05	09/23/10				9.05															
O-05	12/16/10				38.79															

Click on a cell in the section in which you wish the additional row. Then click "New Row".

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Event ID: 1303 Reporting: Critical Transect										
Date: 2020-08-26										
Well ID	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Fe (mg/L)	Fe+2 (mg/L)	SO4-2 (mg/L)
O-09	09/23/10	12.67								
O-09	12/16/10	23.75								
O-09	03/24/11	28.62								
O-09	05/25/11	25.17								
O-09	08/29/11	0.53								
O-09	11/23/11	17.40								
O-09	12/29/11	15.21								
O-09	02/21/12	25.91								
O-09	05/22/12	26.13								
O-09	08/27/12	27.52								
O-09	11/29/12	19.72								
O-09	02/26/13	0.80								
O-09	05/16/13	4.60								
O-09	08/20/13	0.44								
O-10	01/10/08		1.17							
O-10	07/22/08		0.11							
O-10	11/05/08		16.28							
O-10	03/05/09		28.10							
O-10	06/08/09		34.36							
O-10	09/08/09		0.09							
O-10	12/10/09		42.39							
O-10	03/31/10		16.51							
O-10	06/24/10		31.32							
O-10	12/16/10		31.35							
O-10	03/24/11		29.04							
O-10	05/25/11		32.70							
O-10	08/29/11		0.70							
O-10	11/23/11		23.74							
O-10	02/21/12		31.04							
O-10	05/22/12		34.04							
O-10	08/27/12		28.15							
O-10	11/29/12		21.09							
O-10	02/26/13		0.74							
O-10	05/16/13		7.14							

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Year: 2020

Event #.: 1503 Reporting: Critical Transect										
Well ID	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Fe (mg/L)	Fe+2 (mg/L)	SO4-2 (mg/L)
SVE-02	04/14/08	0.39	13.4	6.9	7851	49				
SVE-02	07/22/08	25.51	14.7	7.3	7716	15				
SVE-02	11/05/08	23.08	16.2	7.5	4191	-13				
SVE-02	03/05/09	28.69	14.4	7.7	3901	-43				
SVE-02	06/08/09	30.42	14.1	7.7	6477	59				
SVE-02	09/08/09	0.24	15.7	6.9	4185	-45				
SVE-02	12/10/09	35.69	15.7	7.2	4157	103				
SVE-02	03/31/10	9.00	13.3	7.0	4924	24				
SVE-02	06/24/10	4.55	14.1	6.8	9685	-34				
SVE-02	09/20/10	0.33	15.9	7.1	6626	-24				
SVE-02	12/16/10	1.21	15.3	6.9	4463	67				
SVE-02	03/25/11	5.05	13.8	6.8	5711	142				
SVE-02	04/26/11	6.10								
SVE-02	05/25/11	3.02	14.2	6.7	9458	73				
SVE-02	08/29/11	0.52	15.5	6.6	4954	-72				
SVE-02	11/23/11	3.91	16.7	6.7	6291	47				
SVE-02	12/29/11	8.12								
SVE-02	02/21/12	25.11	12.1	7.5	1118	-193				
SVE-02	05/22/12	6.33	14.4	6.8	5726	218				
SVE-02	08/27/12	17.34	16.6	7.4	3840	-30				
SVE-02	11/29/12	10.24	16.5	7.0	9772	125				
SVE-02	02/26/13	2.50	14.7	7.4	8568	-205				
SVE-02	05/16/13	4.34	13.7	6.9	6336	64				
SVE-02	08/20/13	3.02	15.2	6.6	5497	-6				
SVE-02	11/18/13	4.08	16.4	7.0	5733	-63				
SVE-02	04/29/14	2.78	13.5	6.8	5976	133				
SVE-02	07/24/14	1.51	14.7	6.8	4714	105				
SVE-02	10/16/14	3.52	15.9	7.2	5828	85				
SVE-02	03/24/15	6.13	14.0	7.0	6993	-23				
SVE-02	06/22/15	2.27	14.5	6.8	5821	4				
SVE-02	08/25/15	0.31	15.2	6.7	4983	130				
SVE-02	11/25/15	0.16	17.1	6.6	6102	4				
SVE-02	03/28/16	0.13	15.1	6.5	6360	-212				
SVE-02	06/15/16	0.30	22.8	6.9	4410	82				

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q) In the section in which you wish now. Then click "New Row"

Event ID: 1989

Year: 2020

Water Quality Data Log									
Well ID	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe²⁺ (mg/L)
								PO4-3 (mg/L)	HPC Aerobic (cfu/mL)
SVE-02	08/24/16	0.53	17.4	8.0	4830	18			
SVE-03	07/22/08	21.96	14.9	7.4	2022	19			
SVE-03	04/26/11	41.58							
SVE-03	03/24/15	6.21	14.2	7.2		4644	-37		
SVE-03	06/22/15	4.36	14.9	7.4		5775	24		
SVE-03	08/25/15	0.28	15.6	6.7		2673	124		
SVE-03	11/25/15	0.30	18.0	6.9		1408	-43		
SVE-04	09/25/07	2.37	15.4	8.0		3218	-48		
SVE-04	01/10/08	0.98	15.5	7.4		3452	-124		
SVE-04	04/14/08	0.46	14.0	7.6		3305	-107		
SVE-04	07/22/08	28.67	16.1	7.6		3708	11		
SVE-04	11/05/08	30.87	17.1	7.7		3087	-12		
SVE-04	03/05/09	0.93	14.7	7.2		3776	-61		
SVE-04	06/08/09	35.26	14.3	7.6		3744	80		
SVE-04	09/08/09	9.66	16.4	7.1		3684	-6		
SVE-04	12/10/09	33.72	16.3	7.3		3433	-6		
SVE-04	03/31/10	16.57	13.5	7.3		3306	56		
SVE-04	06/24/10	34.53	13.5	7.3		6534	9		
SVE-04	09/20/10	3.67	16.1	7.1		5367	-81		
SVE-04	12/16/10	2.24	16.1	7.3		2187	-99		
SVE-04	03/25/11	16.80	14.6	6.9		3763	-89		
SVE-04	04/26/11	19.83							
SVE-04	05/25/11	25.70	14.4	6.8		4754	6		
SVE-04	08/29/11	36.47	17.2	7.6		3468	96		
SVE-04	11/23/11	27.14	17.0	8.1		3602	74		
SVE-04	02/21/12	23.46	14.4	7.0		5827	-139		
SVE-04	05/22/12	2.03	14.4	6.9		4812	-177		
SVE-04	08/27/12	21.05	16.2	7.2		7301	-215		
SVE-04	11/29/12	9.11	17.2	7.2		8449	-271		
SVE-04	12/10/12						0.1	7.1	470.0
SVE-04	02/26/13	1.00	15.1	7.5		8477	-297		
SVE-04	05/16/13	0.61	14.4	6.8		5804	-94		
SVE-04	08/20/13	0.76	15.9	6.9		5065	-210		
SVE-04	11/18/13	2.88	17.3	6.8		4952	-229		

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q) In the section in which you wish now. Then click "New Row"

Event ID: 1989

Year: 2020

Water Quality Data Log																
Well ID	Date	Physical Parameters			Chemical Parameters			Microbial Parameters								
		Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe²⁺ (mg/L)	SO₄²⁻ (mg/L)	Alkalinity (mg/L)	PO4-3 (mg/L)	HPC Aerobic (cfu/mL)	HPC Anaerobic (cfu/mL)	TOC (mg/L)	BOD (mg/L)
SVE-04	04/29/14	0.27	14.4	6.8	5414	-170										
SVE-04	07/24/14	0.55	15.7	6.8	4702	-256										
SVE-04	10/16/14	0.76	16.7	7.0	4672	-220										
SVE-04	06/22/15	0.25	15.4	6.7	4422	-216										
SVE-04	08/25/15	0.32	16.0	7.2	4476	-254										
SVE-04	11/25/15	0.24	17.4	6.9	4384	-242										
SVE-04	03/28/16							<0.5		900.0		<0.5		5000.0		
SVE-04	06/15/16	0.14	20.3	7.1	4170	-273	<0.5		600.0		6000.0		2.4		620.0	
SVE-04	08/24/16	0.83	17.2	6.7	4520	-89	<0.5		450.0		0.8		2300.0		300.0	
SVE-04	05/16/17	0.84	16.4	7.0	5030	-145	<0.5		63.7		1677.0		636 <0.5		2400.0	
SVE-04	08/28/17	0.40	20.8	6.5	3812	-179	<0.5		3.5		0.1		130.0		1108	
SVE-04	11/20/17	0.38	16.7	7.1	4092	-208	<1.0		29.1		0.4		18.9		1244 <1.0	
SVE-04	03/19/18	0.10	16.2	7.2	4651	-122									4000.0	
SVE-04	06/14/18	0.22	18.8	7.2	4293	-270									700.0	
SVE-04	09/12/18	0.52	19.1	7.3	4648	-215									2520.0	
SVE-04	12/05/18	0.17	16.6	6.8	4293	-264									3100.0	
SVE-04	03/27/19	2.82	14.8	6.9	5063	160									3100.0	
SVE-04	06/12/19	1.55	14.9	7.0	4475	-195									1000.0	
SVE-04	08/14/19	0.75	16.4	7.1	3823	-157									600.0	
SVE-04	12/12/19	0.21	16.7	7.4	5375	147									190.0	
SVE-04	03/12/20	0.31	13.3	5.9	5742	148	<1.0								<30	
SVE-05	01/10/08	1.09	15.0	7.3	3529	-147									100.0	
SVE-05	04/14/08	0.42	13.0	7.5	3381	-116									600.0	
SVE-05	07/22/08	30.17	15.4	7.6	3941	6									120.0	
SVE-05	11/05/08	0.93	16.6	7.5	3919	-150									30.0	
SVE-05	03/05/09	29.26	14.4	7.5	3659	-120									30.0	
SVE-05	06/24/10	37.68	13.2	7.5	8041	-49									4000.0	
SVE-05	09/20/10	1.86	16.4	6.9	7008	-30									221	
SVE-05	12/16/10	29.35	16.6	7.5	3951	-105									194	
SVE-05	03/25/11	29.81	13.9	7.3	4135	7									7	
SVE-05	05/25/11	37.10	14.0	7.1	4755	-42									42	
SVE-05	08/29/11	1.25	15.8	6.6	4873	-194									42	
SVE-05	11/23/11	0.52	16.9	7.1	4873	-194									42	
SVE-05	12/29/11	2.04	Click on a cell in the section in which you wish the additional row. Then click "New Row"													

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
In the section in which you wish
now. Then click "New Row"

Event ID: 1989

Year: 2020

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q) In the section in which you wish now. Then click "New Row"

Event ID: 1989

Year: 2020

Click on a cell in the section in which you wish the additional row. Then click "New Row"									
Well ID	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	SO4^2- (mg/L)
								Alkalinity (mg/L)	PO4-3 (mg/L)
SVE-06	08/24/16	0.35	17.7	3.9	14830	511	1.6	7800.0	<0.5
SVE-06	05/16/17	1.19	15.5	7.2	4750	-180			500.0
SVE-06	08/28/17	0.12	19.6	6.8	4291	-259			150.0
SVE-06	11/20/17	1.35	18.4	7.2	4534	-114			
SVE-06	03/19/18	1.05	16.1	6.7	4859	-48			
SVE-06	06/14/18	0.29	15.5	7.2	4296	-228			
SVE-06	09/12/18	0.26	17.2	7.4	4644	-233			
SVE-06	12/05/18	0.02	17.5	7.1	4229	-164			
SVE-06	03/27/19	0.10	15.7	7.2	4770	-198			
SVE-06	08/14/19	0.53	15.8	7.4	3401	-212			
SVE-06	12/12/19	0.05	16.2	7.4	4293	143			
SVE-06	03/12/20	0.22	14.2	6.3	4444	-18			
SVE-07	04/26/11	20.92							
SVE-07	03/28/16								
SVE-07	06/15/16								
SVE-07	08/24/16	0.39	17.0	6.8	5770	-124	<0.5	800.0	<0.5
SVE-07	05/16/17	0.30	15.7	7.4	3910	-231		950.0	<0.5
SVE-07	11/20/17	4.36	16.9	6.6	7648	43		1550.0	0.8
SVE-07	03/19/18	1.03	15.2	6.6	9021	-22			
SVE-07	06/14/18	0.75	15.7	6.6	5397	-158			
SVE-07	09/12/18	0.19	17.5	7.0	5243	-157			
SVE-07	12/05/18	0.34	16.1	6.9	4180	-16			
SVE-07	03/27/19	1.33	15.9	6.7	4719	-5			
SVE-07	06/12/19	1.12	14.9	6.9	4563	-106			
SVE-07	08/14/19	0.28	16.0	7.0	4014	-65			
SVE-07	12/12/19	3.59	16.1	7.3	7425	181			
SVE-07	03/12/20	2.51	10.4	7.0	2520	-2			
SVE-08	07/22/08	22.86	15.7	7.8	2591	-9			
SVE-08	04/26/11	34.56							
SVE-08	12/10/12	13.45	16.3	6.9	6032	-98		0.1	0.6
SVE-08	03/24/15	0.29	15.9	7.3	2769	-283			
SVE-08	06/22/15	0.10	15.1	7.3	3096	-311			
SVE-08	08/25/15	0.21	15.3	7.1	3275	-289			
SVE-08	11/25/15	0.21	17.0	7.0	3533	-290			

Secondary Groundwater Parameters Table

Reporting Period: Half (4Q&1Q)
on the section in which you wish
now. Then click "New Row"

Event ID: 1989

Year: 2020

Secondary Groundwater Parameters Table

Year: 2020

Reporting Period: Half (4Q&1Q)

Event ID: 1989

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Well ID	Date	Reporting Period: Half (4Q&1Q)													
		Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	ORP (mV)	NO3- (mg/L)	Total Fe (mg/L)	Fe+2 (mg/L)	SO4-2 (mg/L)	Alkalinity (mg/L)	PO4-3 (mg/L)	HPC Aerobic (cfu/mL)	HPC Anaerobic (cfu/mL)	TOC (mg/L)
SVE-09	11/29/12	12.38	17.6	7.1	6309	-207									
SVE-09	12/10/12								0.2		0.0	385.0			
SVE-09	02/26/13	0.85	17.1	7.4	6223	-241									
SVE-09	05/16/13	1.51	15.5	7.1	3884	-232									
SVE-10	07/22/08	21.92	15.9	7.5	4507	-17									
SVE-10	04/26/11	27.21													
SVE-10	12/10/12	18.73	16.0	7.0	5031	-178	0.1		0.0	46.6					

*List other analytes in header. If you wish to tabulate more analytes, contact OPS.

Groundwater Contamination Trends

Event ID: 1989

Reporting Period: Half (4Q&1Q)

Year: 2020

Well Location	Well ID	Date	Click on a cell in the section in which you wish the additional row. Then click "New Row"		Water Table Elevation, Corrected for LNAPL Thickness (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
			Benzene (mg/L)*	TOC (ft)				
Source	SVE-04	09/25/07	31.1450	98.24	87.77	10.47		0
Source	SVE-04	01/10/08	14.6970	98.24	88.27	9.97		0
Source	SVE-04	04/14/08	13.7700	98.24	88.38	9.86		0
Source	SVE-04	07/22/08	0.0007	98.24	88.42	9.82		0
Source	SVE-04	11/05/08	0.0070	98.24	88.06	10.18		0
Source	SVE-04	03/05/09	1.2800	98.24	88.69	9.55		0
Source	SVE-04	06/08/09	0.0010	98.24	91.59	6.65		0
Source	SVE-04	09/08/09	16.9000	98.24	87.97	10.27		0
Source	SVE-04	12/10/09	7.3900	98.24	88.04	10.20		0
Source	SVE-04	03/31/10	0.0450	98.24	89.55	8.69		0
Source	SVE-04	06/24/10	0.0010	98.24	89.26	8.98		0
Source	SVE-04	09/20/10	17.4000	98.24	87.52	10.72		0
Source	SVE-04	12/16/10	25.9000	98.24	86.74	11.50		0
Source	SVE-04	03/25/11	22.4000	98.24	87.37	10.87		0
Source	SVE-04	05/25/11	0.0010	98.24	89.72	8.52		0
Source	SVE-04	08/29/11	30.8000	98.24	87.09	11.15		0
Source	SVE-04	11/23/11	18.4000	98.24	87.99	10.25		0
Source	SVE-04	02/21/12	0.0010	98.24	89.03	9.21		0
Source	SVE-04	05/22/12	2.6900	98.24	87.93	10.31		0
Source	SVE-04	08/27/12	32.7000	98.24	86.24	12.00		0
Source	SVE-04	11/29/12	33.1000	98.24	86.76	11.48		0
Source	SVE-04	02/26/13	20.5000	98.24	86.81	11.43		0
Source	SVE-04	05/16/13	0.0010	98.24	91.36	6.88		0
Source	SVE-04	08/20/13	17.1000	98.24	88.06	10.18		0
Source	SVE-04	11/18/13	3.0900	98.24	88.24	10.00		0
Source	SVE-04	02/25/14	5.6100	98.24	88.34	9.90		0
Source	SVE-04	04/29/14	0.0010	98.24	88.19	10.05		0
Source	SVE-04	07/24/14	4.9400	98.24	88.23	10.01		0
Source	SVE-04	10/16/14	22.1000	98.24	87.75	10.49		0
Source	SVE-04	03/24/15	0.0010	98.24	89.28	8.96		0
Source	SVE-04	06/22/15	1.0700	98.24	90.24	8.00		0
Source	SVE-04	08/25/15	15.7000	98.24	87.52	10.72		0
Source	SVE-04	11/25/15	17.6000	98.24	88.01	10.23		0
Source	SVE-04	03/28/16	0.4860	98.24	91.26	6.98		0
Source	SVE-04	06/15/16	6.7100	98.24	88.12	10.12		0
Source	SVE-04	08/24/16	19.5000	98.24	86.24	12.00		0
Source	SVE-04	05/16/17	2.4800	98.24	88.60	9.64		0
Source	SVE-04	08/28/17	25.9000	98.24	87.14	11.10		0
Source	SVE-04	11/20/17	21.0000	98.24	87.64	10.60		0
Source	SVE-04	03/19/18	13.2000	98.24	87.06	11.18		0
Source	SVE-04	06/14/18	11.8000	98.24	87.76	10.48		0

Groundwater Contamination Trends

Event ID: 1989

Reporting Period: Half (4Q&1Q)

Year: 2020

Well Location	Well ID	Date	Click on a cell in the section in which you wish the additional row. Then click "New Row"		Water Table Elevation, Corrected for LNAPL Thickness (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
			Benzene (mg/L)*	TOC (ft)				
Source	SVE-04	09/12/18	26.6000	98.24	86.89	11.35		0
Source	SVE-04	12/05/18	19.1000	98.24	87.14	11.10		0
Source	SVE-04	03/27/19	0.0010	98.24	89.29	8.95		0
Source	SVE-04	06/12/19	0.2650	98.24	88.73	9.51		0
Source	SVE-04	08/14/19	21.2000	98.24	87.20	11.04		0
Source	SVE-04	12/12/19	0.0020	98.24	87.41	10.83		0
Source	SVE-04	03/12/20	0.0010	98.24	86.85	11.39		0
Mid-plume	CHMW-01	11/12/01	6.6050	97.89	81.08	16.81		0
Mid-plume	CHMW-01	11/04/02	2.3160	97.89	79.99	17.90		0
Mid-plume	CHMW-01	07/29/03	2.0090	97.89	82.01	15.88		0
Mid-plume	CHMW-01	10/20/03	1.5500	97.89	81.71	16.18		0
Mid-plume	CHMW-01	01/19/04	1.3060	97.89	80.18	17.71		0
Mid-plume	CHMW-01	04/19/04	1.2200	97.89	79.94	17.95		0
Mid-plume	CHMW-01	07/19/04	1.1640	97.89	81.73	16.16		0
Mid-plume	CHMW-01	10/21/04	3.2620	97.89	81.42	16.47		0
Mid-plume	CHMW-01	01/21/05	3.8330	97.89	80.34	17.55		0
Mid-plume	CHMW-01	04/20/05	3.7270	97.89	80.17	17.72		0
Mid-plume	CHMW-01	07/21/05	1.5780	97.89	81.05	16.84		0
Mid-plume	CHMW-01	10/27/05	3.0040	97.89	80.91	16.98		0
Mid-plume	CHMW-01	01/19/06	3.6600	97.89	80.27	17.62		0
Mid-plume	CHMW-01	04/18/06	2.2920	97.89	79.88	18.01		0
Mid-plume	CHMW-01	07/19/06	1.8390	97.89	80.51	17.38		0
Mid-plume	CHMW-01	10/19/06	1.4440	97.89	80.71	17.18		0
Mid-plume	CHMW-01	03/28/07	0.8130	97.89	80.86	17.03		0
Mid-plume	CHMW-01	06/26/07	0.6270	97.89	81.71	16.18		0
Mid-plume	CHMW-01	09/25/07	1.3640	97.89	81.28	16.61		0
Mid-plume	CHMW-01	01/10/08	0.9290	97.89	80.46	17.43		0
Mid-plume	CHMW-01	04/14/08	0.4890	97.89	80.89	17.00		0
Mid-plume	CHMW-01	07/22/08	0.4170	97.89	81.37	16.52		0
Mid-plume	CHMW-01	11/05/08	0.3350	97.89	81.02	16.87		0
Mid-plume	CHMW-01	03/05/09	0.2950	97.89	81.83	16.06		0
Mid-plume	CHMW-01	06/08/09	1.6300	97.89	85.35	12.54		0
Mid-plume	CHMW-01	09/08/09	1.4800	97.89	82.02	15.87		0
Mid-plume	CHMW-01	12/10/09	0.9330	97.89	81.28	16.61		0
Mid-plume	CHMW-01	03/31/10	0.5950	97.89	81.16	16.73		0
Mid-plume	CHMW-01	06/24/10	0.5470	97.89	82.70	15.19		0
Mid-plume	CHMW-01	09/20/10	0.7310	97.89	81.32	16.57		0
Mid-plume	CHMW-01	12/16/10	1.1000	97.89	80.35	17.54		0
Mid-plume	CHMW-01	03/25/11	0.5790	97.89	80.49	17.40		0
Mid-plume	CHMW-01	05/25/11	0.3830	97.89	81.06	16.83		0
Mid-plume	CHMW-01	08/29/11	0.4500	97.89	81.23	16.66		0

Groundwater Contamination Trends

Event ID: 1989

Reporting Period: Half (4Q&1Q)

Year: 2020

Well Location	Well ID	Date	Click on a cell in the section in which you wish the additional row. Then click "New Row"		Water Table Elevation, Corrected for LNAPL Thickness (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
			Benzene (mg/L)*	TOC (ft)				
Mid-plume	CHMW-01	11/23/11	0.3390	97.89	80.54	17.35		0
Mid-plume	CHMW-01	02/21/12	0.1280	97.89	81.54	16.35		0
Mid-plume	CHMW-01	05/22/12	0.1430	97.89	81.06	16.83		0
Mid-plume	CHMW-01	08/27/12	0.1460	97.89	80.58	17.31		0
Mid-plume	CHMW-01	11/29/12	0.1390	97.89	80.07	17.82		0
Mid-plume	CHMW-01	02/26/13	0.1930	97.89	79.57	18.32		0
Mid-plume	CHMW-01	05/16/13	0.1080	97.89	80.90	16.99		0
Mid-plume	CHMW-01	08/20/13	0.0010	97.89	80.91	16.98		0
Mid-plume	CHMW-01	11/18/13	0.0010	97.89	81.27	16.62		0
Mid-plume	CHMW-01	02/25/14	0.0010	97.89	80.38	17.51		0
Mid-plume	CHMW-01	04/29/14	0.0010	97.89	80.79	17.10		0
Mid-plume	CHMW-01	07/24/14	0.0010	97.89	81.36	16.53		0
Mid-plume	CHMW-01	10/16/14	0.0030	97.89	81.05	16.84		0
Mid-plume	CHMW-01A	01/19/15	0.1490	97.83	80.33	17.50		0
Mid-plume	CHMW-01A	03/24/15	2.1400	97.83	81.20	16.63		0
Mid-plume	CHMW-01A	06/22/15	0.1800	97.83	84.56	13.27		0
Mid-plume	CHMW-01A	08/25/15	0.1320	97.83	82.43	15.40		0
Mid-plume	CHMW-01A	11/25/15	0.1430	97.83	81.15	16.68		0
Mid-plume	CHMW-01A	03/28/16	0.1470	97.83	81.23	16.60		0
Mid-plume	CHMW-01A	06/15/16	0.1320	97.83	82.30	15.53		0
Mid-plume	CHMW-01A	08/24/16	0.0060	97.83	80.89	16.94		0
Mid-plume	CHMW-01A	05/16/17	0.0440	97.83	80.31	17.52		0
Mid-plume	CHMW-01A	08/28/17	0.0010	97.83	81.11	16.72		0
Mid-plume	CHMW-01A	11/20/17	0.0010	97.83	80.78	17.05		0
Mid-plume	CHMW-01A	03/19/18	0.0030	97.83	80.22	17.61		0
Mid-plume	CHMW-01A	06/14/18	0.0010	97.83	84.10	13.73		0
Mid-plume	CHMW-01A	09/12/18	0.0030	97.83	80.73	17.10		0
Mid-plume	CHMW-01A	12/05/18	0.0060	97.83	80.38	17.45		0
Mid-plume	CHMW-01A	03/27/19	0.0010	97.83	80.58	17.25		0
Mid-plume	CHMW-01A	06/12/19	0.0020	97.83	81.82	16.01		0
Mid-plume	CHMW-01A	08/14/19	0.0060	97.83	81.10	16.73		0
Mid-plume	CHMW-01A	12/12/19	0.0010	97.83	80.12	17.71		0
Mid-plume	CHMW-01A	03/12/20	0.0010	97.83	79.80	18.03		0
Downgradient	SVE-10	09/25/07	19.3690	96.69	81.15	15.54		0
Downgradient	SVE-10	01/10/08	18.7190	96.69	80.39	16.30		0
Downgradient	SVE-10	07/22/08	0.8810	96.69	81.30	15.39		0
Downgradient	SVE-10	11/05/08	0.0620	96.69	81.03	15.66		0
Downgradient	SVE-10	03/05/09	0.0140	96.69	81.97	14.72		0
Downgradient	SVE-10	06/08/09	0.0010	96.69	85.40	11.29		0
Downgradient	SVE-10	09/08/09	3.6000	96.69	81.88	14.81		0
Downgradient	SVE-10	12/10/09	0.0010	96.69	81.24	15.45		0

Groundwater Contamination Trends

Event ID: 1989

Reporting Period: Half (4Q&1Q)

Year: 2020

Well Location	Well ID	Date	Click on a cell in the section in which you wish the additional row. Then click "New Row"		Water Table Elevation, Corrected for LNAPL Thickness (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
			Benzene (mg/L)*	TOC (ft)				
Downgradient	SVE-10	03/31/10	0.0010	96.69	81.13	15.56		0
Downgradient	SVE-10	06/24/10	0.0010	96.69	83.20	13.49		0
Downgradient	SVE-10	09/20/10	0.0070	96.69	81.32	15.37		0
Downgradient	SVE-10	12/16/10	0.1850	96.69	80.47	16.22		0
Downgradient	SVE-10	03/25/11	0.1060	96.69	80.35	16.34		0
Downgradient	SVE-10	05/25/11	0.0010	96.69	80.99	15.70		0
Downgradient	SVE-10	08/29/11	0.0010	96.69	81.18	15.51		0
Downgradient	SVE-10	11/23/11	0.2150	96.69	80.44	16.25		0
Downgradient	SVE-10	02/21/12	0.0010	96.69	81.71	14.98		0
Downgradient	SVE-10	05/22/12	0.0010	96.69	82.09	14.60		0
Downgradient	SVE-10	08/27/12	0.2900	96.69	80.60	16.09		0
Downgradient	SVE-10	11/29/12	0.0050	96.69	80.15	16.54		0
Downgradient	SVE-10	02/26/13	2.1300	96.69	79.87	16.82		0
Downgradient	SVE-10	05/16/13	0.6800	96.69	80.75	15.94		0
Downgradient	SVE-10	08/20/13	0.0010	96.69	80.75	15.94		0
Downgradient	SVE-10	11/18/13	0.0010	96.69	81.11	15.58		0
Downgradient	SVE-10	02/25/14	0.0010	96.69	80.27	16.42		0
Downgradient	SVE-10	04/29/14	0.0010	96.69	80.19	16.50		0
Downgradient	SVE-10	07/24/14	0.0010	96.69	81.24	15.45		0
Downgradient	SVE-10	10/16/14	0.0010	96.69	80.95	15.74		0
Downgradient	MW-11	01/19/15	2.0600	96.19	80.25	15.94		0
Downgradient	MW-11	03/24/15	1.5300	96.19	80.28	15.91		0
Downgradient	MW-11	06/22/15	1.5600	96.19	84.34	11.85		0
Downgradient	MW-11	08/25/15	0.9220	96.19	82.28	13.91		0
Downgradient	MW-11	11/25/15	1.0600	96.19	81.02	15.17		0
Downgradient	MW-11	03/28/16	0.3420	96.19	83.12	13.07		0
Downgradient	MW-11	06/15/16	1.4500	96.19	82.15	14.04		0
Downgradient	MW-11	08/24/16	2.4800	96.19	80.79	15.40		0
Downgradient	MW-11	05/16/17	1.9600	96.19	80.26	15.93		0
Downgradient	MW-11	08/28/17	0.4300	96.19	80.94	15.25		0
Downgradient	MW-11	11/20/17	0.0670	96.19	80.70	15.49		0
Downgradient	MW-11	03/19/18	0.1070	96.19	79.92	16.27		0
Downgradient	MW-11	06/14/18	0.0010	96.19	80.00	16.19		0
Downgradient	MW-11	09/13/18	0.0010	96.19	80.64	15.55		0
Downgradient	MW-11	12/05/18	0.0290	96.19	80.26	15.93		0
Downgradient	MW-11	03/27/19	0.2830	96.19	80.44	15.75		0
Downgradient	MW-11	06/12/19	0.0360	96.19	81.73	14.46		0
Downgradient	MW-11	08/14/19	0.0730	96.19	81.04	15.15		0
Downgradient	MW-11	12/12/19	0.0010	96.19	79.97	16.22		0
Downgradient	MW-11	03/12/20	0.0010	96.19	79.74	16.45		0

*Enter "99" if LNAPL present.

Groundwater Contamination Trends

Event ID: 1989

Reporting Period: Half (4Q&1Q)

Year: 2020

Click on a cell in the section in which you wish the additional row. Then click "New Row"					Water Table Elevation, Corrected for LNAPL Thickness (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
Well Location	Well ID	Date	Benzene (mg/L)*	TOC (ft)				

TOC = Surveyed elevation top of casing

Corrective Action Summary	Date
Continuous System 1 Start Date	4/20/04
Continuous System 1 End Date	5/31/05
Continuous System 2 Start Date	11/29/07
Continuous System 2 End Date	8/25/15
In-situ Treatment Event 1 End Date	6/12/13
In-situ Treatment Event 2 End Date	6/24/16
In-situ Treatment Event 3 End Date	7/22/16
In-situ Treatment Event 4 End Date	7/20/17

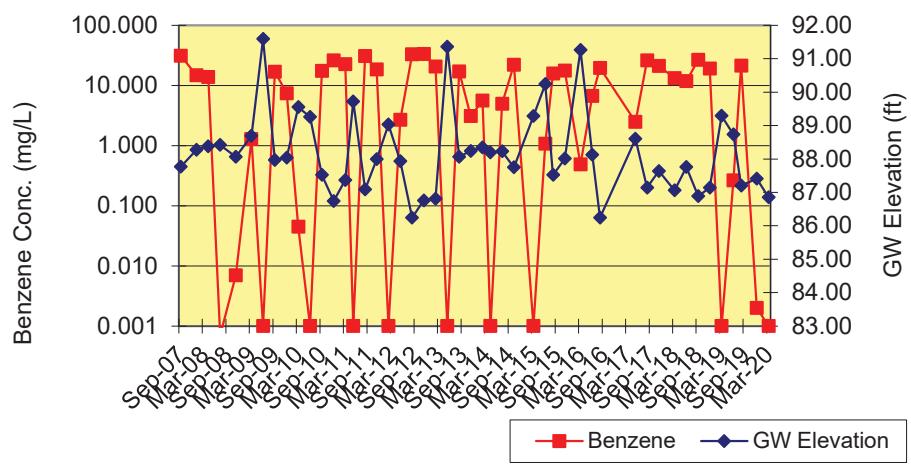
Groundwater Contamination Trend Graphs

Event ID: 1989

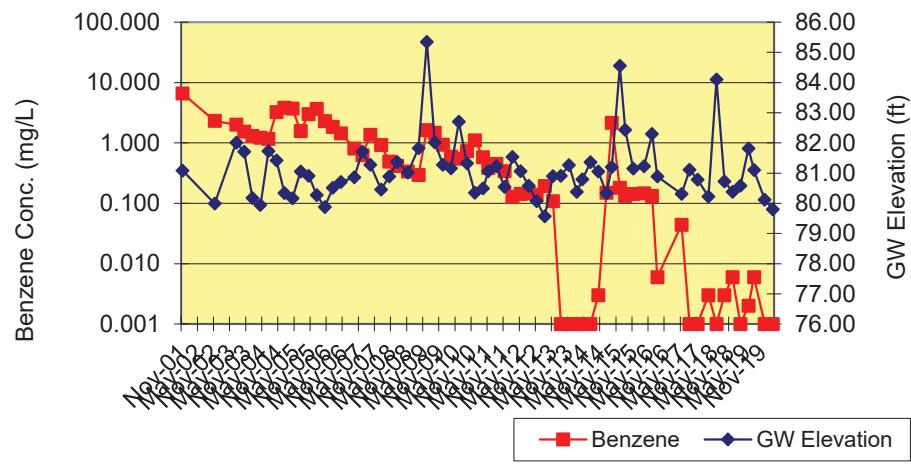
Reporting Period: Half (4Q&1)

Year: 2020

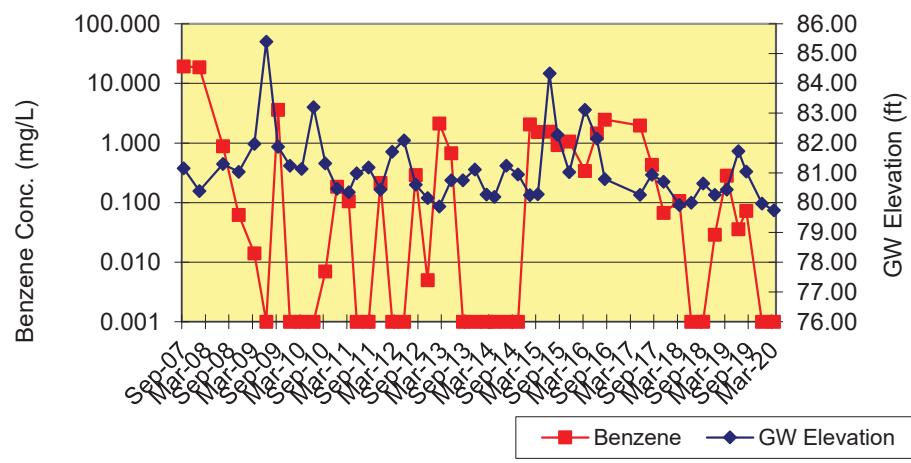
SVE-04



CHMW-01



SVE-10



Soil Analytical Results Table

Event ID:	1989	Reporting Period: Half (4Q&1Q)						Year: 2020			
		Click on a cell in the section in which you wish the additional row. Then click "New Row"			*Confirmation for Sample Location(s)						
Sample Location	Date	Rationale for sample location	Sample Depth (ft)	Vertical Interval	Benzene (mg/kg)	Ethy-Benzene (mg/kg)	Xylenes (mg/kg)	TVPH (mg/kg)	TEPH (mg/kg)	Oil & Grease (mg/kg)	Disposition of Soil
AS-01	04/01/05	DE	15.0	saturated	0.004	0	0	0	0	138	LIP
CHMW-01A	01/19/15	DE	18.0	saturated	<0.010	<0.010	<0.010	<0.010	<0.50		LIP
Comp #01	10/31/02	VWC	0.0		0.003	0	0	0	0		EDO
Composite	10/25/99	VWC	0.0		0.003	0	0	0	0		EDO
EX-01	11/28/06	SP	0.0		0.069	1	5	121	2261		EDO
EX-02	12/01/06	SP	0.0		<0.002	0	2	3	751		EDO
EX-03	12/01/06	SP	0.0		<0.002	0	5	26	3134		EDO
EX-04	12/01/06	SP	0.0		<0.002	0	12	63	1349		EDO
EX-05	12/04/06	SP	0.0		0.070	1	50	127	6603		EDO
EX-06	12/04/06	SP	0.0		<0.002	0	0	0	380		EDO
EX-07	12/05/06	SP	0.0		<0.002	0	1	6	227		EDO
EX-08	12/05/06	SP	0.0		0.072	0	20	72	2785		EDO
EX-09	12/05/06	SP	0.0		<0.002	0	2	0	641		EDO
MW-01	02/25/97	DE	16.0	saturated	<0.002	<0.002	<0.002	<0.002	<0.5		LIP
MW-01A	10/31/02	DE	25.0	saturated	0.005	0	0	0	0		LIP
MW-02	02/25/97	DE	14.0	saturated	0.400	0	1	1	21		LIP
MW-02A	10/31/02	DE	15.0	capillary	<0.002	<0.002	<0.002	<0.002			LIP
MW-03	02/25/97	DE	15.0	saturated	0.370	0	1	1	32		LIP
MW-03A	10/31/02	DE	20.0	saturated	0.006	0	<0.002	<0.002			LIP
MW-04	02/25/97	DE	16.0	saturated	3.100	3	2	9	97		LIP
MW-04A	10/31/02	DE	15.0	capillary	0.007	0	0	0			LIP
MW-11	01/19/15	DE	15.0	capillary	<0.010	<0.010	<0.010	<0.010	<0.50		LIP
MW-12	01/19/15	DE	17.0	capillary	<0.010	<0.010	<0.010	<0.010	<0.50		LIP
MW-13	05/23/16	DE	10.0	vadose	<0.010	<0.010	<0.010	<0.010	<0.50		LIP
MW-13	05/23/16	DE	25.0	saturated	<0.010	<0.010	<0.010	<0.010	<0.50		LIP
MW-14	05/24/16	DE	10.0	vadose	<0.010	<0.010	<0.010	<0.010	<0.50		LIP
MW-14	05/24/16	DE	20.0	saturated	0.151	0	8	11	498		LIP
MW-15	05/23/16	DE	15.0	capillary	<0.010	<0.010	<0.010	<0.010	<0.50		LIP
MW-15	05/23/16	DE	20.0	saturated	<0.010	0	<0.010	<0.010	33		LIP
MW-16	05/24/16	DE	15.0	capillary	<0.010	<0.010	<0.010	<0.010	3		LIP
MW-16	05/24/16	DE	20.0	saturated	<0.010	<0.010	<0.010	<0.010	2		LIP
MW-17	05/24/16	DE	15.0	capillary	<0.010	<0.010	<0.010	<0.010	1		LIP
MW-17	05/24/16	DE	20.0	saturated	<0.010	<0.010	<0.010	<0.010	<0.50		LIP

Soil Analytical Results Table

Event ID: 1989

Click on a cell in the section in which you wish
the additional row. Then click "New Row"

Reporting Period: Half (4Q&1Q) Year: 2020

Sample Location	Date	Rationale for sample location	Sample Depth (ft)	Vertical Interval	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	TVPH (mg/kg)	TEPH (mg/kg)	Oil & Grease (mg/kg)	Disposition of Soil	*Confirmation for Sample Location(s)
MW-7-8	05/24/16	DE	10.0	vadose	<0.010	<0.010	<0.010	<0.010	<0.50	<0.50		LIP	
MW-1-8	05/24/16	DE	20.0	saturated	<0.010	<0.010	<0.010	<0.010	<0.50	<0.50		LIP	
MW-1-9	05/03/17	DE	15.0	capillary	<0.010	<0.010	0	0	0	0	31	LIP	
MW-1-9	05/03/17	DE	25.0	saturated	<0.010	<0.010	<0.010	<0.010	0	0	1	LIP	
MW-20	05/26/17	DE	15.0	saturated	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	1	LIP	
MW-20	05/26/17	DE	20.0	saturated	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	<0.50	LIP	
MW-21	04/23/18	DE	10.0	vadose	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	<0.50	LIP	
MW-21	04/23/18	DE	20.0	saturated	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	7	LIP	
MW-22	04/23/18	DE	10.0	vadose	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	<0.50	LIP	
MW-22	04/23/18	DE	15.0	capillary	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	4	LIP	
MW-23	03/28/19	DE	10.0	vadose	<0.010	<0.010	<0.010	<0.010	<0.50	<0.50		LIP	
MW-23	03/28/19	DE	15.0	capillary	<0.010	<0.010	<0.010	<0.010	0	0	1	LIP	
MW-24	03/28/19	DE	5.0	vadose	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	<0.50	LIP	
MW-24	03/28/19	DE	15.0	capillary	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	<0.50	LIP	
MW-25	03/28/19	DE	5.0	vadose	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	<0.50	LIP	
MW-25	03/28/19	DE	20.0	saturated	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	<0.50	LIP	
SB-01	03/26/13	DE	18.0	saturated	<0.01	<0.01	<0.01	<0.01	<0.10	<0.10	<0.5	LIP	
SB-02	03/26/13	DE	20.0	saturated	<0.01	<0.01	<0.01	<0.01	<0.10	<0.10	3	LIP	
SB-03	03/26/13	DE	16.0	capillary	<0.01	<0.01	<0.01	<0.01	<0.10	<0.10	<0.50	LIP	
SB-04	03/26/13	DE	18.0	saturated	<0.01	<0.01	<0.01	<0.01	<0.10	<0.10	<0.50	LIP	
SB-05	03/26/13	DE	16.0	capillary	<0.01	<0.01	<0.01	<0.01	<0.10	<0.10	<0.5	LIP	
SB-06	07/17/15	DE	20.0	saturated	0.201	0.201	0.201	0.201	1	38	56	1864	
SB-07	07/17/15	DE	21.0	saturated	<0.010	<0.010	<0.010	<0.010	0	0	26	LIP	
SB-08	07/17/15	DE	20.0	saturated	<0.010	<0.010	<0.010	<0.010	0	0	253	LIP	
SB-09	07/17/15	DE	18.5	saturated	2.330	2	2	2	22	47	1772	LIP	
SB-10	07/17/15	DE	18.0	saturated	0.276	0	1	1	2	2	46	LIP	
SB-11	07/17/15	DE	20.0	saturated	<0.010	<0.010	<0.010	<0.010	0	0	1	LIP	
SS-01	11/13/06	EXC	8.0	capillary	0.018	0	1	1	3	130	EDO		
Tank 1 M	09/01/92	TANK	10.0	capillary	4.800	80	82	82	330	2800		LIP	
Tank 1 N	09/01/92	TANK	10.0	capillary	<0.002	0	1	1	12	16		LIP	
Tank 1 S	09/01/92	TANK	10.0	capillary	3.300	63	72	340	2000			LIP	
Tank 2 M	09/01/92	TANK	10.0	capillary	<0.002	0	0	1	22			LIP	
Tank 2 N	09/01/92	TANK	10.0	capillary	<0.002	3	7	31	360			LIP	

Soil Analytical Results Table

Soil Vapor Table
2020

Reporting Period: Half (4Q&1Q)
Event ID: 1989

Year: 2020

Sample Point ID	Date	Construction of Associated Structure	Sample Type	Top of Sample Screen Below Ground or Slab (ft)	Bottom of Sample Screen Below Ground or Slab (ft)	Benzene ($\mu\text{g}/\text{m}^3$)	Toluene, Ethylbenzene, Total Xylenes ($\mu\text{g}/\text{m}^3$)	CO2 (%)	OVM reading (ppm)	Methane (%)	Sample Collection Method	Analytical Method	Well Status if Not Sampled	
VP-01	08/31/15	slab on grade	soil vapor	3.5	4.0	<10.0	0.8	20.1		HP		TO14A		
VP-01	08/31/15	slab on grade	soil vapor	6.5	7.0	<10.0	<10	4.6	17.6		HP		TO14A	
VP-01	11/25/15	slab on grade	soil vapor	3.5	4.0	<10.0	<10	5.0	13.9		HP		TO14A	
VP-01	11/25/15	slab on grade	soil vapor	6.5	7.0	<10.0	<10	0.2	20.9		HP		TO14A	
VP-01	03/28/16	slab on grade	soil vapor	3.5	4.0	<10.0	<10.0	5.0	14.8		HP		TO15	
VP-01	03/28/16	slab on grade	soil vapor	6.5	7.0								SUB	
VP-01	06/15/16	slab on grade	soil vapor	3.5	4.0	<10.0	<10.0	2.4	18.4		HP		TO14A	
VP-01	06/15/16	slab on grade	soil vapor	6.5	7.0	<10.0	<10.0	0.7	20.2		HP		TO14A	
VP-02	07/13/17	slab on grade	soil vapor	5.5	6.0	<10.0	<10.0	5.0	12.6		<100		TO15	
VP-02	08/28/17	slab on grade	soil vapor	5.5	6.0	<10.0	<10.0	5.0	14.1		PP		TO15	
VP-02	09/05/17	slab on grade	soil vapor	5.5	6.0					<100		PP		
VP-02	11/12/17	slab on grade	soil vapor	5.5	6.0	<10.0	<10.0	2.3	16.7		<100		TO15	
VP-02	03/19/18	slab on grade	soil vapor	5.5	6.0	<10.0	<10.0	2.1	16.2		PP		TO15	
VP-02	06/14/18	slab on grade	soil vapor	5.5	6.0	<10.0	<10.0	5.0	11.9		PP		TO15	
VP-02	09/12/18	slab on grade	soil vapor	5.5	6.0	<10.0	<10.0	2.2	12.9		PP		TO15	
VP-02	12/05/18	slab on grade	soil vapor	5.5	6.0	<10.0	<10.0	1.2	17.5		PP		TO15	
VP-02	03/27/19	slab on grade	soil vapor	5.5	6.0	<10.0	<10.0				PP		TO15	
VP-02	06/12/19	slab on grade	soil vapor	5.5	6.0	<10.0	<10.0	4.9	8.4		PP		TO15	
VP-02	08/14/19	slab on grade	soil vapor	5.5	6.0	<10.0	<10.0	5.0	11.5		PP		TO15	
VP-03	05/16/17	slab on grade	soil vapor	9.5	10.0	<10.0	<10.0	0.3	12.3	<100	PP		TO15	
VP-03	08/28/17	slab on grade	soil vapor	9.5	10.0	<10.0	<10.0	5.0	26.0		PP		TO15	
VP-03	09/05/17	slab on grade	soil vapor	9.5	10.0					<100	PP		TO15	
VP-03	11/21/17	slab on grade	soil vapor	9.5	10.0	<10.0	<10.0	3.7	18.5	<100	PP		TO15	
VP-03	03/19/18	slab on grade	soil vapor	9.5	10.0	<10.0	<10.0	5.0	9.8		PP		TO15	
VP-03	06/14/18	slab on grade	soil vapor	9.5	10.0	<10.0	<10.0	5.0	6.2		PP		TO15	
VP-03	09/12/18	slab on grade	soil vapor	9.5	10.0	<10.0	<10.0	3.1	4.7		PP		TO15	
VP-03	12/05/18	slab on grade	soil vapor	9.5	10.0	<10.0	<10.0	2.8	10.6		PP		TO15	
VP-03	03/28/19	slab on grade	soil vapor	9.5	10.0	<10.0	<10.0	5.0	0.9		PP		TO15	
VP-03	06/12/19	slab on grade	soil vapor	9.5	10.0	<10.0	<10.0	5.0	0.0		PP		TO15	
VP-03	08/14/19	slab on grade	soil vapor	9.5	10.0	<10.0	<10.0				PP		TO15	

If concentration is less than the stated laboratory detection limit, list the detection limit (not ND) e.g. 0.0005 µg/ml

Sample containers:
=Summa cannister 1 liter
=Summa cannister 3 liter

Sample collection method:
 S = Summa canmis
 PP = Peristatic num.

Well Status if Not Sampled:
SUB =Submerged
DES =Destroyed

Analytical Method: TO1 = EPA TOC
TO3 = EPA TOC

Status if Not Sampled:
SUB = Submerged
DES = Destroyed

Soil Vapor Table

Event ID: 1989 Reporting Period: Half (4Q&1Q)

Year: 2020

Event ID: 1989

Click on a cell in the section in which you wish
the additional row. Then click "New Row".

Reporting Period: Half (4Q&1Q)

Year: 2020

Attach SSTL calculations in the Model Input & Results worksheet

Remediation Targets

Groundwater Site Specific Target Levels									
Sample Location	Tier level	Benzene (mg/L)		Toluene (mg/L)		Xylenes (mg/L)		MTBE (mg/L)	
		Concentration*	SSTL	Concentration*	SSTL	Concentration*	SSTL	Concentration*	SSTL
MW-12									
SVE-4-MW-1A	4	21.200	1.500						
SVE-4-MW-1Ad	4	21.200	67.000						
SVE-4-MW-2A	4	21.200	3.800						
SVE-4-South12	4	21.200	0.580						
SVE-4-South12d	4	21.200	10.000						
Vadose Zone Soil Site Specific Target Levels									
Saturated Soil Site Specific Target Levels									
Closure Goals									
Response									
Does monitoring data indicate that remediation goals will be met on time?									
Yes									

* highest concentration during the last four sampling events

Excavation Detail Table

Event ID: 1989

Reporting Period: Half (4Q&1Q)

Year: 2020

Disposition of Contaminated Soil :

SPO = Stock piled onsite

EDO = Excavated and disposed offsite

RUE = Replaced untreated to excavation

TRE = Treated and returned to excavation

SPREAD = Spread onsite

LAND = Landfarmed

Photographs of excavation activities are strongly encouraged!!

LNAPL Abatement and Total Fluid Recovery Table

Event ID: 1989		Reporting Period: Half (4Q&1Q)		Year: 2020	
Well ID	Date	Operational Time During Period (hrs)	Removal Method	Pre-Abatement LNAPL Thickness (ft)	Post-Abatement LNAPL Thickness (ft)
MW-16	08/24/16		HB	0.02	0.00
				Totals	4.00

Removal methods:

HB =Hand-Bail *

TFR = Total Fluid Recovery *

PS =Passive Skimmer *

PNS =Pneumatic Skimmer *

AS =Absorbent Sock *

OTH =Other

***Provide and label TFR field sheets in 'Other Documents' tab**

(Empirical/ data suggest that LNAPL transmissivity values below 0.1 to 0.8 ft²/day indicate low r

AS and SVE Remediation System Performance

Event ID:	Reporting Period:	Half (4Q&1Q)	Year: 2020	SVE Unit Performance												Lab Analyses						
				AS Unit Performance			SVE Unit Performance			VOC Emissions for Period PID (lbs)			VOC Emissions for Period TVPH (lbs)			Benzene Emissions for Period (lbs)			Total VOC Emissions PID (lbs)		Total VOC Emissions TVPH (lbs)	
Date	Operation Time During Period (hours)	Positive Pressure at Unit (psig)	Total Discharge Flow Rate (scfm)	Induced Vacuum at Unit (in H ₂ O)	Effluent Temperature (°F)	System Air Flow Rate (scfm)	VOCS (PID) Pre-treatment (ppmv)	VOCS (PID) Post-treatment (ppmv)	Benzene (mg/L)	TVPH (mg/L)	VOC Emissions for Period PID (lbs)	VOC Emissions for Period TVPH (lbs)	Benzene Emissions for Period (lbs)	Total VOC Emissions PID (lbs)	Total VOC Emissions TVPH (lbs)	Total Benzene Emissions (lbs)						
11/29/07			2	22.0	350	1.00	0.000	1.00	0.000	0.09	0.01	0.25	0.000	0.01	0.25	0.00	0.01	0.01	0.25	0.00	0.00	
01/15/08			301	36.0	320	6.00	40.00	0.000	0.06	8.07	22.09	0.040	8.08	22.33	0.04							
01/21/08			143	36.0	320	2.00	33.00	0.000	0.05	1.28	8.90	0.013	9.36	31.23	0.05							
01/28/08			169	71.0	225	562.00	32.00	0.037	13.34	288.49	1900.30	5.309	307.86	1931.53	5.36							
02/11/08			336	37.0	315	2.00	51.00	0.000	0.04	2.96	17.13	0.027	310.81	1948.66	5.39							
02/29/08			432	38.0	310	4.00	45.00	0.000	0.10	7.48	50.68	0.015	318.29	1999.34	5.40							
03/17/08			408	36.0	320	8.00	0.00	0.000	0.08	14.59	38.11	0.085	332.88	2037.45	5.49							
03/31/08			34.0	325	34.00	0.00	0.000	0.03	51.40	13.10	0.022	384.27	2050.55	5.51								
04/14/08			335	71.0	225	114.00	0.00	0.001	1.59	120.02	447.91	0.412	504.29	2498.46	5.92							
07/22/08			1656	66.0	240	86.00	5.00	0.000	0.02	477.41	25.32	0.012	981.71	2523.77	5.93							
11/05/08			2516	32.0	325	2.00	3.00	0.000	0.02	22.84	58.52	0.104	1004.55	2582.29	6.04							
03/05/09			2839	72.0	220	395.00	142.00	0.000	0.15	3495.95	351.03	0.742	4450.50	2933.32	6.78							
06/08/09			2256	78.0	190	2.00	1.00	0.000	0.02	11.97	39.35	0.316	4462.47	2972.67	7.10							
09/08/09			2208	28.0	330	9.00	1.00	0.000	0.05	91.60	132.41	0.003	4554.07	3105.08	7.10							
12/10/09			2232	32.0	325	1.00	1.00	0.000	0.00	10.13	2.72	0.003	4564.20	3107.79	7.10							
03/31/10			2664	63.0	240	2.00	0.00	0.000	0.00	17.86	0.00	0.000	4582.06	3107.79	7.10							
06/24/10			2040	62.0	205	1.00	0.00	0.000	0.00	5.84	1.57	0.000	4587.90	3109.36	7.10							
09/20/10			2112	32.0	325	4.00	2.00	0.000	0.00	38.35	2.57	0.003	4626.25	3111.93	7.11							
12/16/10			2065	36.0	320	22.00	0.000	0.000	0.26	203.06	641.26	0.002	4829.31	3753.19	7.11							
03/24/11			2327	58.0	255	0.00	0.000	0.000	0.00	2.22	0.002	4829.31	3755.41	7.11								
05/25/11			1463	40.0	270	0.00	0.000	0.000	0.00	1.48	0.000	0.000	4829.31	3756.89	7.11							
08/29/11			2278	42.0	280	3.00	0.000	0.000	0.01	26.73	13.86	0.002	4856.04	3770.75	7.11							
11/23/11			2020	42.0	280	18.00	0.000	0.000	0.00	142.20	2.12	0.002	4988.24	3772.87	7.12							
02/21/12			2127	33.0	325	0.00	0.000	0.000	0.00	2.59	0.003	4998.24	3775.46	7.12								
05/22/12			2148	36.0	280	0.00	0.000	0.000	0.00	0.00	0.000	0.000	4998.24	3775.46	7.12							
08/27/12			2308	36.0	285	2.00	0.000	0.000	0.00	18.38	0.00	0.000	5016.62	3775.46	7.12							
11/29/12			2233	36.0	280	2.00	0.000	0.000	0.00	17.47	0.00	0.000	5034.08	3775.46	7.12							
02/26/13			2115	34.0	285	2.00	0.000	0.000	0.01	16.84	30.72	0.002	5050.92	3806.18	7.12							
05/16/13			939	39.0	270	0.00	0.000	0.000	0.01	7.31	0.001	5050.92	3813.49	7.12								
08/20/13			1112	46.0	255	2.00	0.000	0.000	0.07	7.92	0.071	5058.84	3888.61	7.19								
11/18/13			1073	40.0	270	0.00	0.000	0.000	0.00	1.09	0.001	5058.84	3889.69	7.19								
02/25/14			1178	40.0	270	0.00	0.000	0.000	0.00	1.19	0.001	5058.84	3890.89	7.19								
04/29/14			749	42.0	170	0.00	0.000	0.000	0.00	0.48	0.000	5058.84	3891.36	7.20								
05/16/14			1023	41.0	265	0.00	0.000	0.000	0.00	1.02	0.010	5058.84	3892.38	7.21								
10/16/14			1001	65.0	200	1.00	0.000	0.000	0.00	2.80	0.75	0.001	5061.64	3893.13	7.21							
03/24/15			1894	70.0	190	0.00	0.000	0.000	0.00	1.36	0.000	5061.64	3894.48	7.22								
06/22/15			1071	72.0	180	0.00	0.000	0.000	0.00	0.72	0.001	5061.64	3895.20	7.22								
08/25/15			710	69.0	190	0.00	0.000	0.000	0.00	0.51	0.001	5061.64	3895.70	7.22								
Total	0			54816							5062	3896	7									

Calculation for Total VOC (laboratory analyses):
 SVE Operational Time in hours × (60 min/1 hour) × Process Air Flow Rate (ft³/min) × (1 liter/0.03531 ft³) × concentration in mg/L × (2.205 lbs/1E6 mg) = Total Emissions in lbs.

Calculation for Total VOC (PID):
 SVE Operational Time (hrs) × [(P × V × C) / (R × T)] (lb/day) × day/24 hrs = Total Emissions in lbs.

Where:
 P = 1742.28 lbs/ft² = Discharge pressure, based on atmospheric pressure of 12.12 lbs/ft² at 5,300 feet above mean sea level

AS and SVE Remediation System Performance

Event ID: 1989	Reporting Period: Half (4Q&1Q)		Year: 2020		SVE Unit Performance								Lab Analyses				Mass Removal			
	AS Unit Performance																			
Operation Time During Period (hours)	Positive Pressure at Unit (psig)	Total Discharge Flow Rate (scfm)	Induced Vacuum at Unit (in H ₂ O)	Operation Time During Period (hours)	Effluent Temperature (°F)	System Air Flow Rate (scfm)	VOCs (PID) Pre-treatment (ppmv)	VOCs (PID) Post-treatment (ppmv)	Benzene (mg/L)	TVPH (mg/L)	VOC Emissions for Period PID (lbs)	VOC Emissions for Period TVPH (lbs)	Benzene Emissions for Period (lbs)	Total VOC Emissions PID (lbs)	Total VOC Emissions TVPH (lbs)	Total Benzene Emissions (lbs)				

$$V = \text{System air flow rate in ft}^3/\text{min} \times 1440 \text{ min/day} = \text{ft}^3/\text{day}$$

C = Fractional quantity of gas = VOC by PID/1E6

R = 16.77 lbf/ftlb-mole-R = Specific gas constant of gasoline = Universal gas constant (1545.33 lbf·ft/lb-mole·°R) / molecular weight of gasoline (95 lb/lb-mole)

T = Discharge temperature °F + 460 = °R

Note: Either PID or laboratory analyses can be used to calculate vapor mass removal.

Conversion of vapor units:

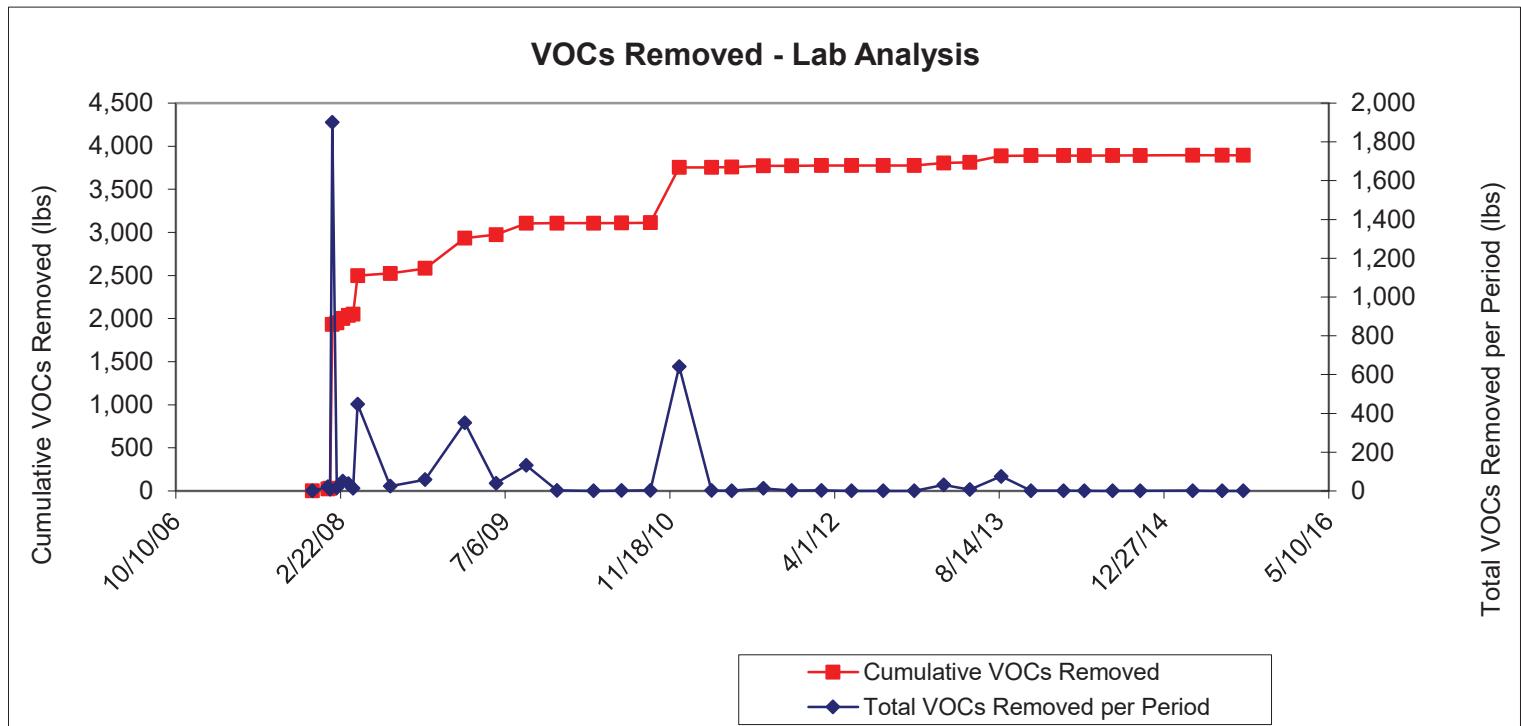
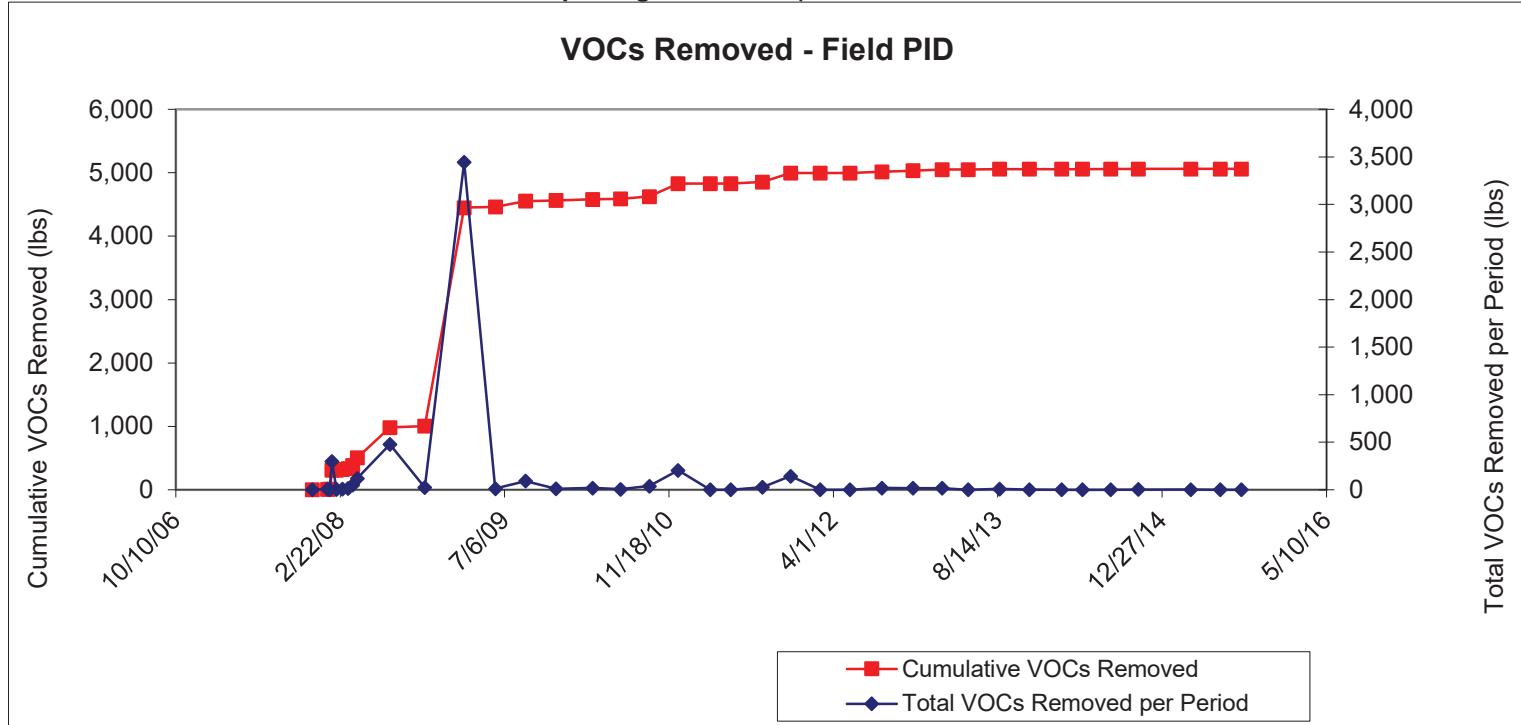
$$1 \text{ mg/L} = 1\text{E}6 \text{ ug/m}^3$$

AS/SVE Remediation System Performance and Mass Removal Graphs

Event ID: 1989

Reporting Period: half (4Q&1C)

Year: 2020



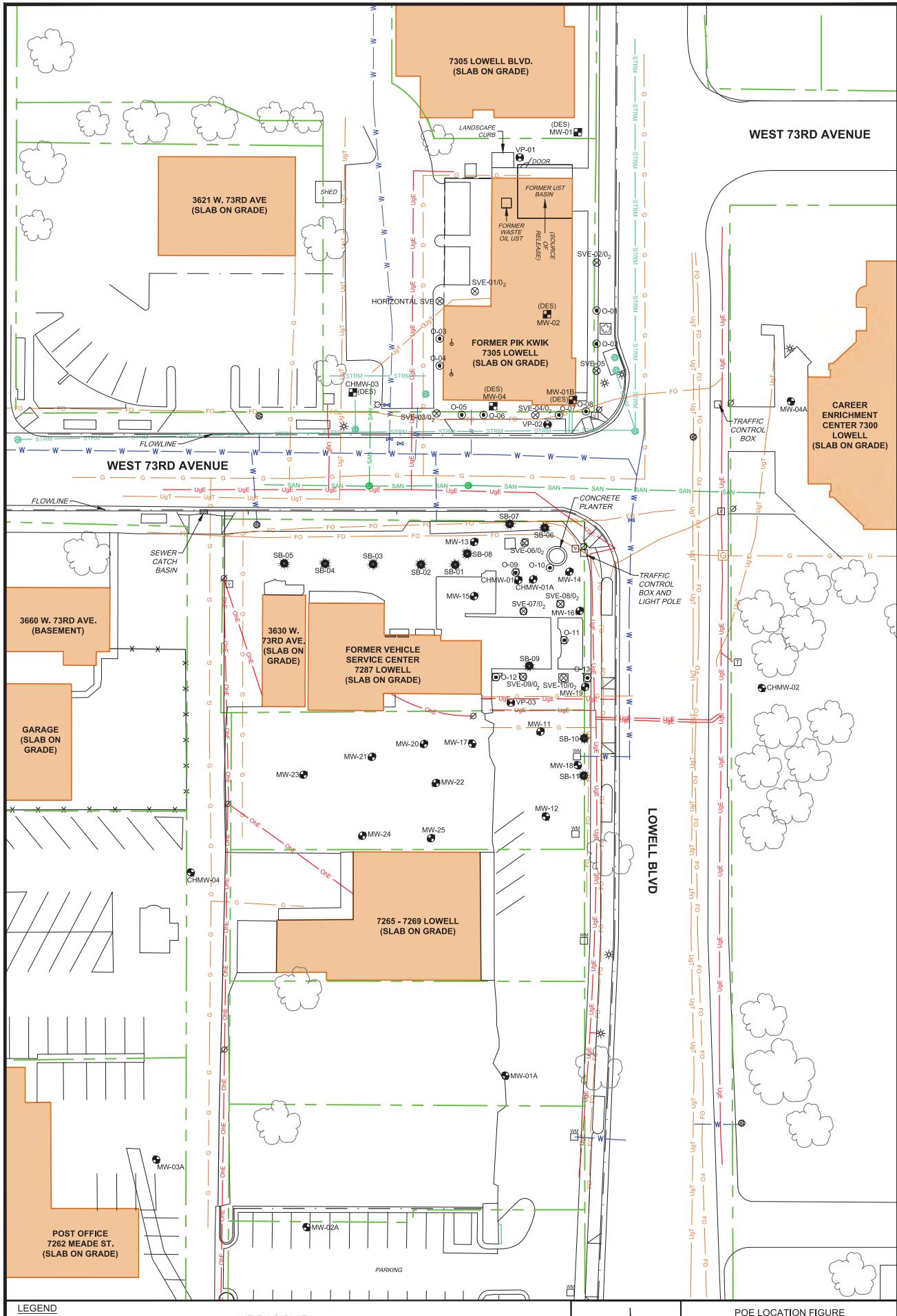
Event ID: 1989 Reporting Period: Half (4Q&1) Year: 2020

Summary of Chemical Oxidation and Bio-Enhancement										
Date	Injection Method	Oxygen or Ozone Gas Addition				Liquid or Slurry Based Addition				
		Total Volume of O ₂ Injected (ft ³)	Injection Pressure (psi)	Number of Injection Points	General Chemical Descriptions and Concentrations	Means of Application	Primary Chemical by Weight (pounds)	Secondary Catalyst Chemical by Weight (pounds)	Total Injectate Volume (Gallons)	Number of Injection Points
07/14/08	bubbler/air stone	854		13						
07/22/08	bubbler/air stone	669		13						
09/02/08	bubbler/air stone	6685		15						
09/17/08	bubbler/air stone	1869		15						
11/05/08	bubbler/air stone	4460		12						
11/11/08	bubbler/air stone	334		9						
02/06/09	bubbler/air stone	2136		10						
02/09/09	bubbler/air stone	256		9						
03/05/09	bubbler/air stone	2508		9						
03/09/09	bubbler/air stone	220		9						
03/24/09	bubbler/air stone	900		8						
04/28/09	bubbler/air stone	1433		9						
06/08/09	bubbler/air stone	2179		9						
09/08/09	bubbler/air stone	489		9						
12/10/09	bubbler/air stone	2760		9						
03/31/10	bubbler/air stone	6717		10						
06/24/10	bubbler/air stone	4712		10						
09/20/10	bubbler/air stone	7429		9						
10/01/10	bubbler/air stone	336		7						
03/24/11	bubbler/air stone	4186		9						
04/26/11	bubbler/air stone	982		9						
05/25/11	bubbler/air stone	1113		8						
08/29/11	bubbler/air stone	247		9						
10/03/11	bubbler/air stone	1976		8						
11/23/11	bubbler/air stone	4518		9						
12/29/11	bubbler/air stone	1291		8						
01/24/12	bubbler/air stone	383		8						
02/08/12	bubbler/air stone	420		8						
02/21/12	bubbler/air stone	906		9						
03/22/12	bubbler/air stone	1991		9						
04/16/12	bubbler/air stone	1932		7						
05/22/12	bubbler/air stone	1757		7						
06/20/12	bubbler/air stone	981		8						
07/25/12	bubbler/air stone	748		8						
08/27/12	bubbler/air stone	1024		8						
11/29/12	bubbler/air stone	1381		8						
06/10/13	bubbler/air stone	2238		9						
06/10/13	bubbler/air stone	1617		9						
09/25/13	bubbler/air stone	568		9						
10/29/13	bubbler/air stone	346		9						
11/18/13	bubbler/air stone	0		9						
12/27/13	bubbler/air stone	0		9						
01/20/14	bubbler/air stone	226		9						
02/25/14	bubbler/air stone	256		10						
04/29/14	bubbler/air stone	299		9						
06/24/16				12						
07/22/16										
07/12/17										
07/12/17										
07/14/17										
07/14/17										
07/19/17										
07/19/17										
07/20/17										
07/20/17										
07/20/17										
07/20/17										
09/16/19										

injection into ground
10% Solution of Persulf1Ox
10% Solution of Persulf1Ox
Area 5: 15% Solution of Persulf1Ox
Area 5: 30% Slurry of ORC-A
Area 3: 15% Solution of Persulf1Ox
Area 3: 30% Slurry of ORC-A
Area 1: 6% Solution of RegenOx Part-A and Part-B
Area 1: 30% Slurry of ORC-A
Area 2: 6% Solution of RegenOx Part-A and Part-B
Area 2: 30% Slurry of ORC-A
Area 4: 6% Solution of RegenOx Part-A and Part-B
Area 4: 30% Slurry of ORC-A
Area 1 (barrier): Slurry of PetroFix and 50/50 Nitrate/Sulfate Blend

Summary of Chemical Oxidation and Bio-Enhancement

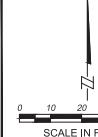
Event ID: 1989	Reporting Period: Half (4Q&1)				Year: 2020					
	Oxygen or Ozone Gas Addition				Liquid or Slurry Based Addition					
Date	Injection Method	Total Volume of O ₂ Injected (ft ³)	Total Volume of O ₃ Injected (ft ³)	Number of Injection Points	General Chemical Descriptions and Concentrations	Means of Application	Secondary /Catalyst Chemical by Weight (pounds)	Total Injectate Volume (Gallons)	Number of Injection Points	Injection Depth Range (ft)
9/12/19 - 9/19/19					Area 2 (mid-plume): Slurry of Petrofix and 50/50 Nitrate/Sulfate Blend	injection into ground	11200	560	5600	14-23.5
9/5/19 - 9/13/19					Area 3 (downgradient): Slurry of Petrofix and 50/50 Nitrate/Sulfate Blend	injection into ground	11600	580	13203	66
Totals		78332	0				50665	1480	38343	

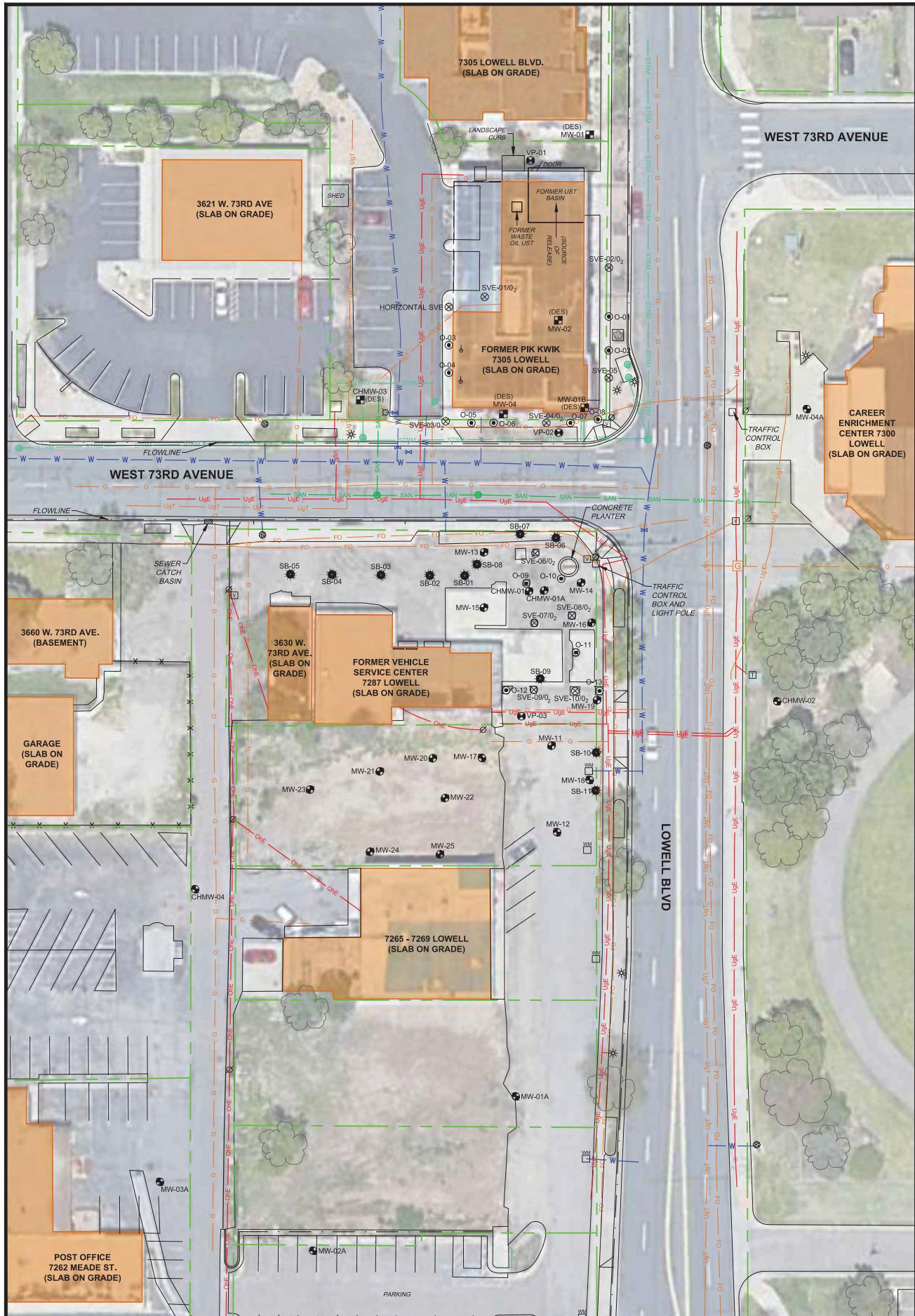


LEGEND

- MW-01A MONITORING WELL
- O-1 OXYGEN DIFFUSION WELL
- SB-1 SOIL BORE
- SVE-1/0₂ SOIL VAPOR EXTRACTION WELL
- VP-1 PASSIVE AIR INTAKE VENT (2" DIAMETER)
- (DES) MW-02 DESTROYED MONITORING WELL
- G NATURAL GAS LINE
- C UNDERGROUND COMMUNICATION LINE
- APPROXIMATE PROPERTY BOUNDARY
- UgE UNDERGROUND ELECTRIC LINE
- ONE OVERHEAD ELECTRIC LINE
- FO FIBER OPTICS LINE
- W WATER LINE
- SAN SANITARY SEWER
- STRM STORM SEWER
- UTILITY MANWAY
- SEWER MANWAY
- STREET LIGHT
- POWER POLE
- UTILITY VAULT
- WATER METER
- ELECTRICAL TRANSFORMER

- X FENCE
- W WATER LINE
- SAN SANITARY SEWER
- STRM STORM SEWER
- UTILITY VAULT
- WATER METER
- POWER POLE





LEGEND

- MW-01 MONITORING WELL
- O-1 OXYGEN DIFFUSION WELL
- SB-1 SOIL BORE
- SVE-1/02 SOIL VAPOR EXTRACTION WELL
- VP-1 PASSIVE AIR INTAKE VENT (2" DIAMETER)
- (DES) MW-02 DESTROYED MONITORING WELL

- G NATURAL GAS LINE
- C UNDERGROUND COMMUNICATION LINE
- APPROXIMATE PROPERTY BOUNDARY
- UNDERGROUND ELECTRIC LINE
- ONE OVERHEAD ELECTRIC LINE
- FO FIBER OPTICS LINE
- W WATER LINE
- ELECTRICAL TRANSFORMER

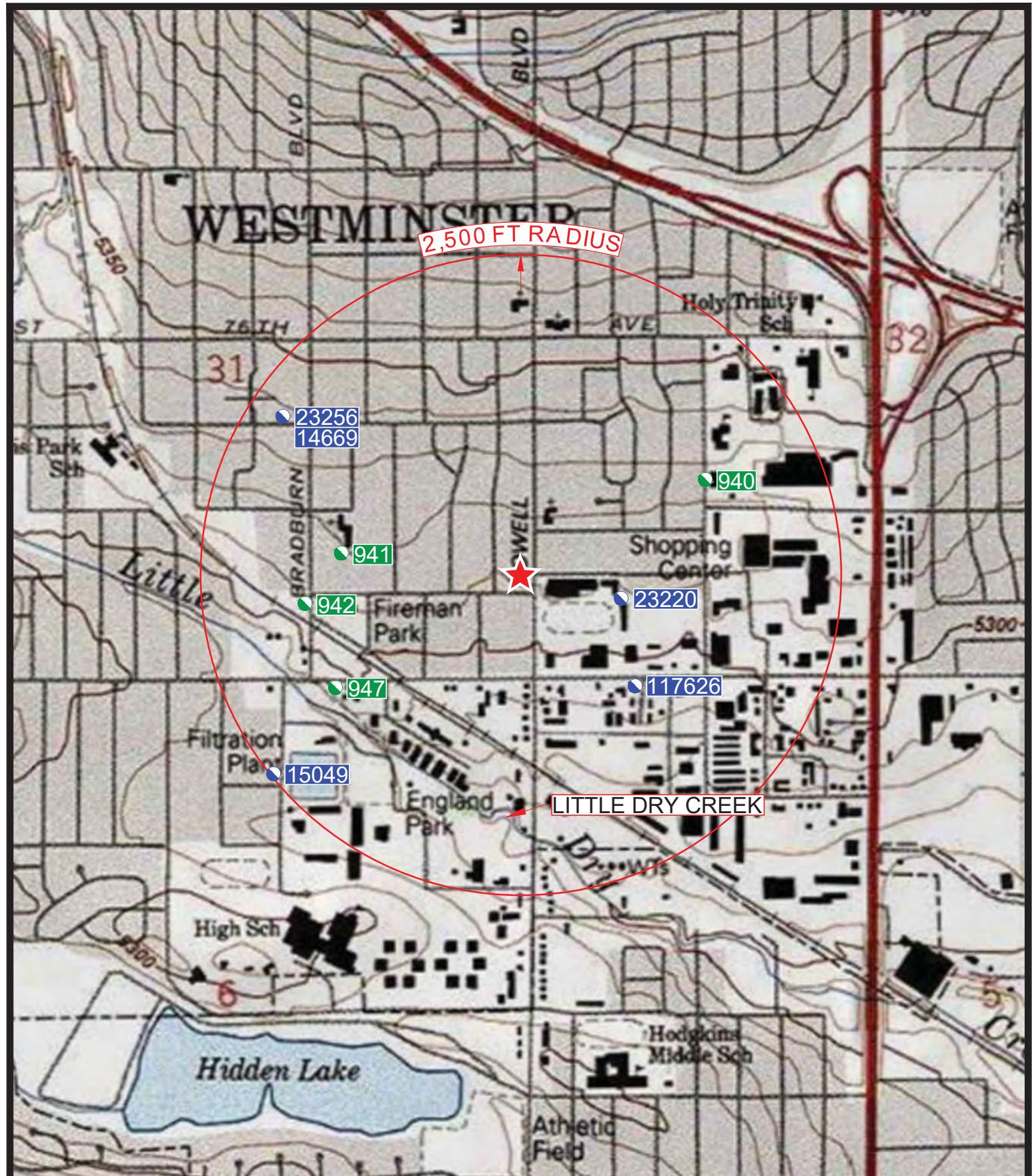
- X FENCE
- SAN SANITARY SEWER
- STRM STORM SEWER
- UTL UTILITY MANWAY
- STL STREET LIGHT
- POLE POWER POLE

POE LOCATION FIGURE

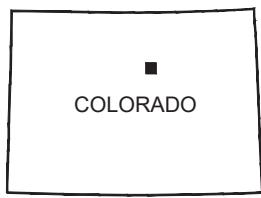
FORMER PIK KWIK
OPS EVENT ID 1989
7305 LOWELL BOULEVARD
WESTMINSTER, COLORADO

PROJECT:	DRAFT:
1-996-9541ae	CLB
DATE:	4/29/2020
REVIEW:	

SCALE IN FEET



COLORADO



■ □UADRANGLE LOCATION



SITE LOCATION



DOMESTIC WATER WELL MUNICIPAL WELLS

**NUMERALS WITH WELL SYMBOLS DENOTE
ASSOCIATED PERMIT NUMBER**



NORTH



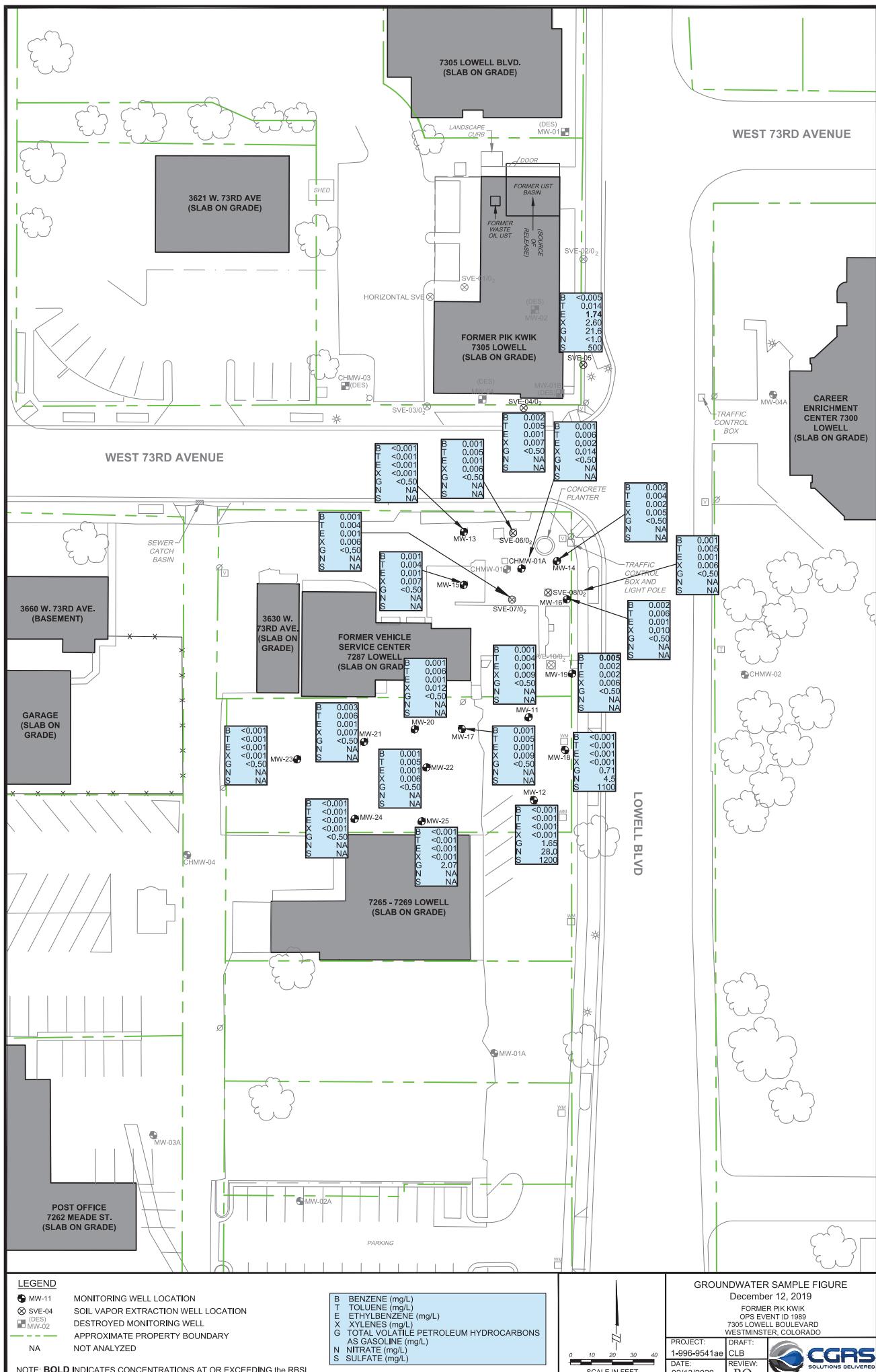
WATER WELL □ SURFACE WATER FIGURE

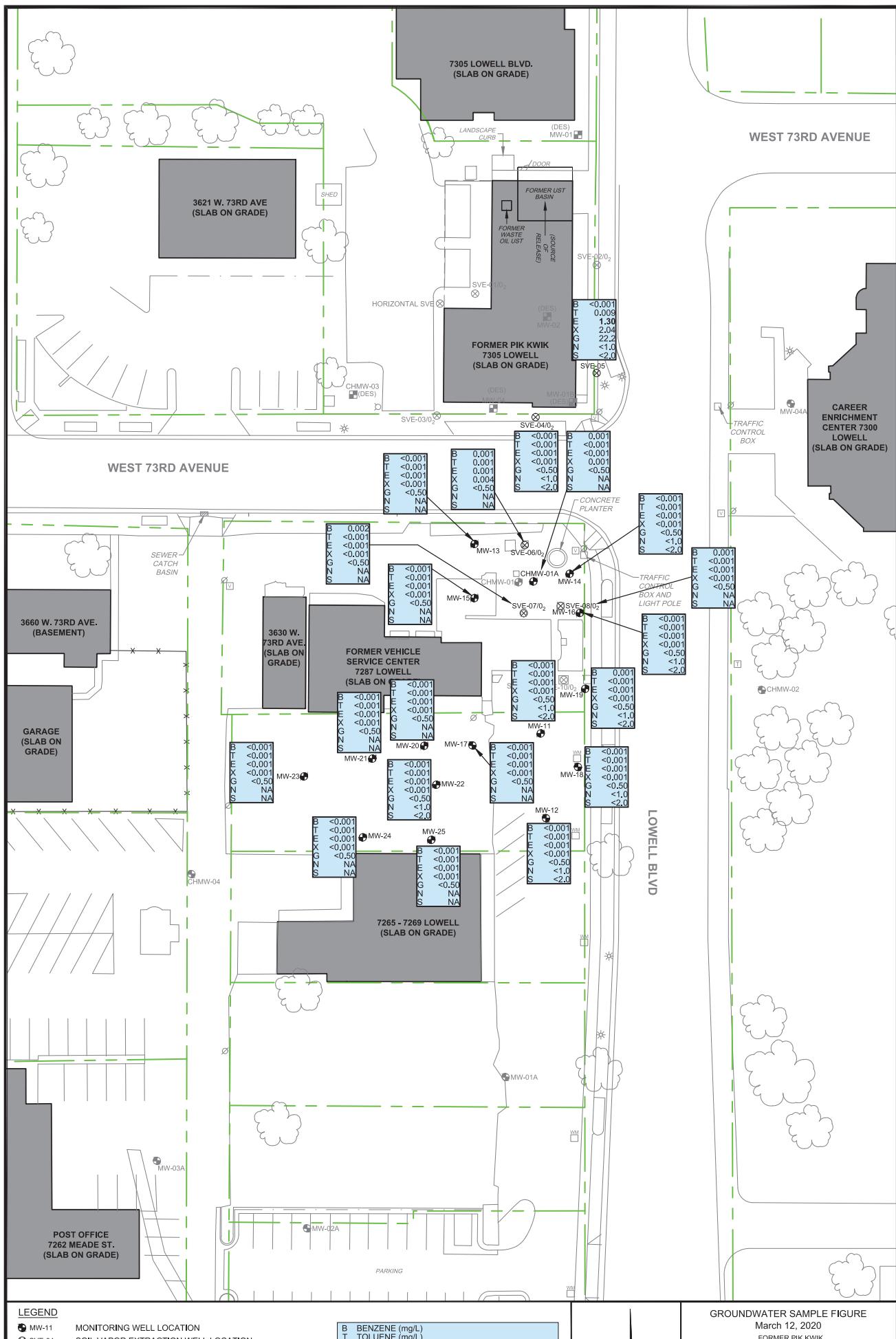
FORMER PIK KWIK
OPS EVENT ID 1989
7305 LOWELL BOULEVARD
WESTMINSTER, COLORADO

PROJECT:
1-996-9541aa
DATE:
1/15/2016

DRAFT:
DRS
REVIEW:







LEGEND

- LEGEND**

● MW-11
X SVE-04
□ (DES)
MW-02

MONITORING WELL LOCATION
SOIL VAPOR EXTRACTION WELL LOCATION
DESTROYED MONITORING WELL
APPROXIMATE PROPERTY BOUNDARY
NOT ANALYZED

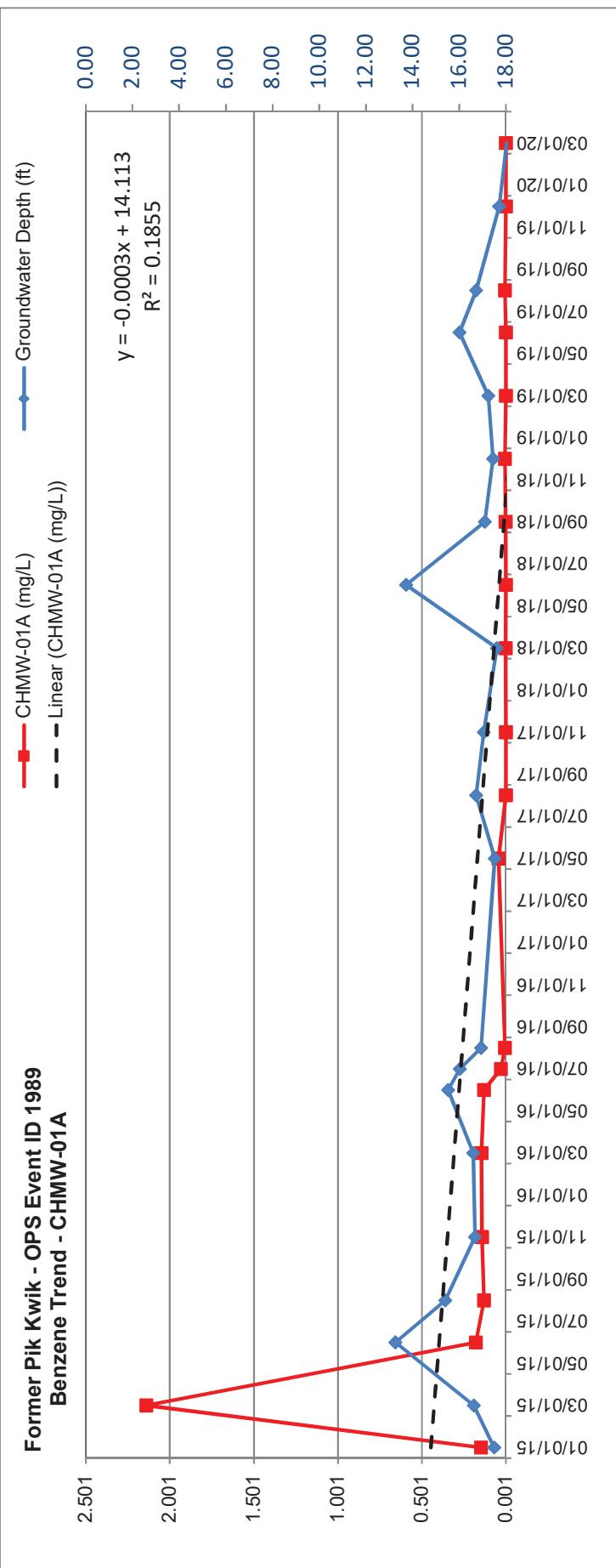
NOTE: **BOLD** INDICATES CONCENTRATIONS AT OR EXCEEDING the RBSL.

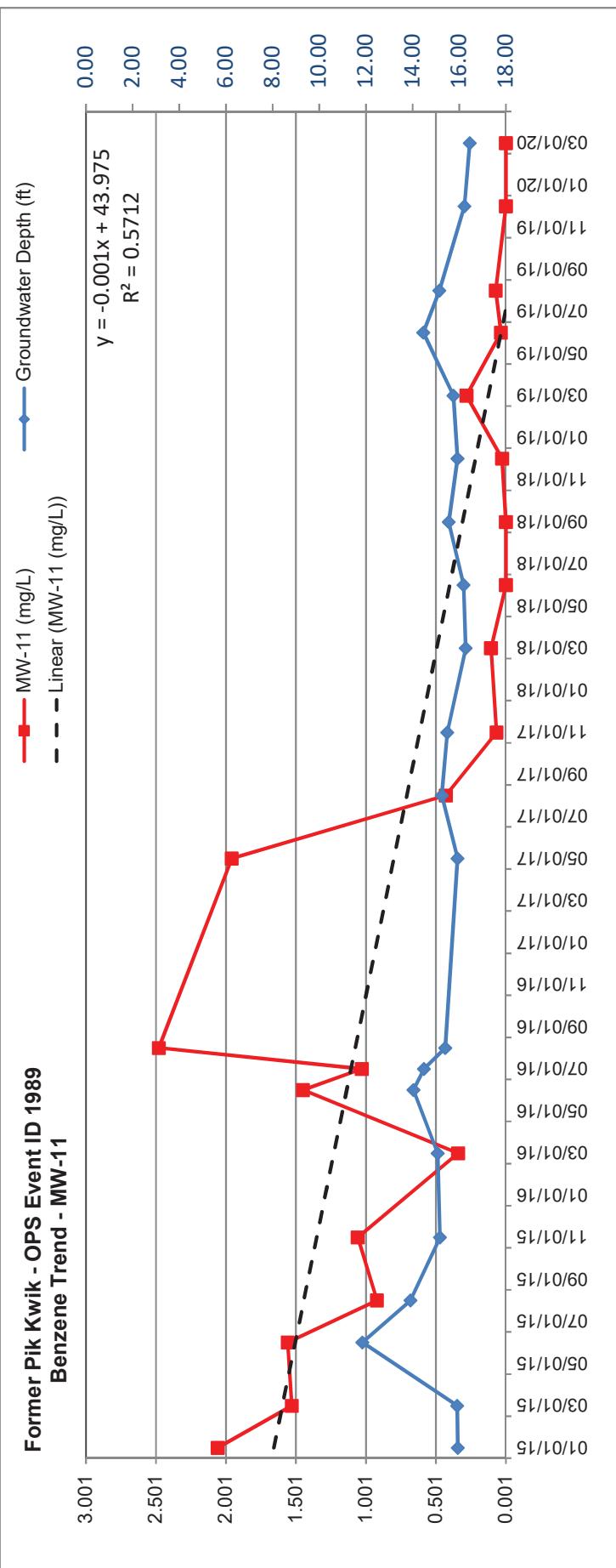
B	BENZENE (mg/L)
T	TOLUENE (mg/L)
E	ETHYLBENZENE (mg/L)
X	XYLENES (mg/L)
G	TOTAL VOLATILE PETROLEUM HYDROCARBONS AS GASOLINE (mg/L)
N	NITRATE (mg/L)
S	SULFATE (mg/L)

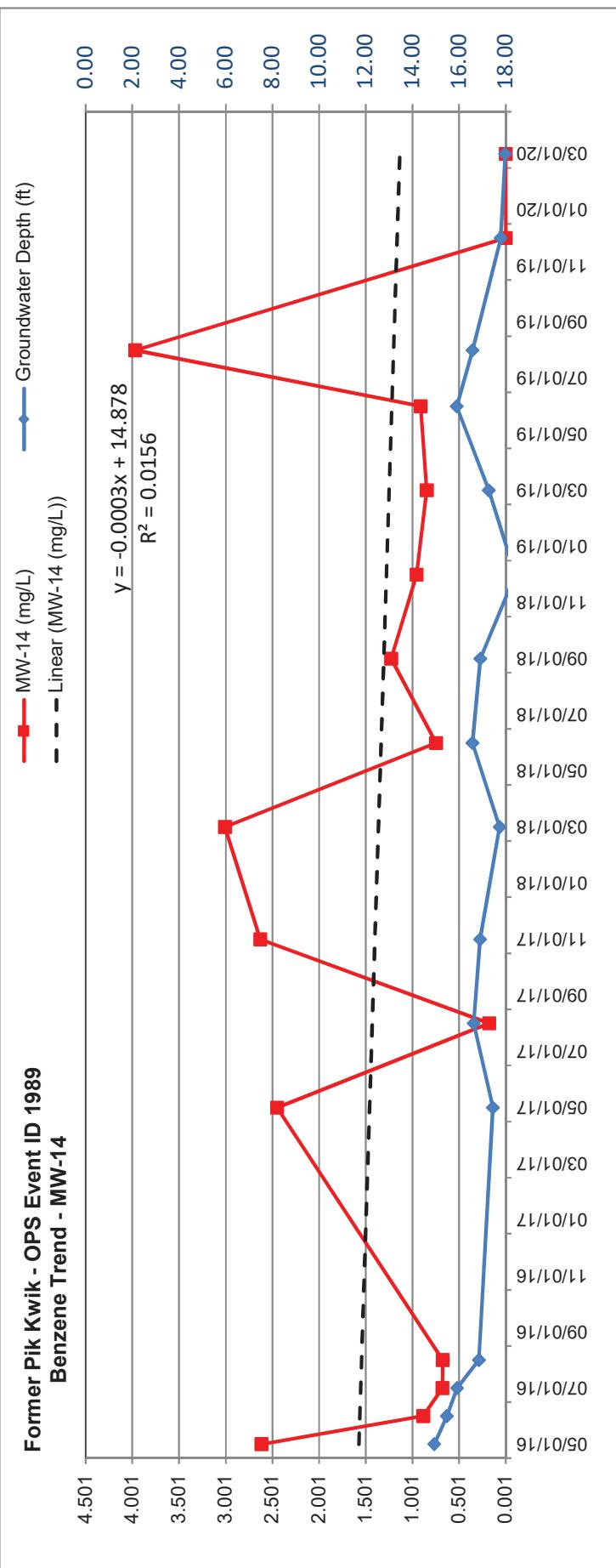
GROUNDWATER SAMPLE FIGURE

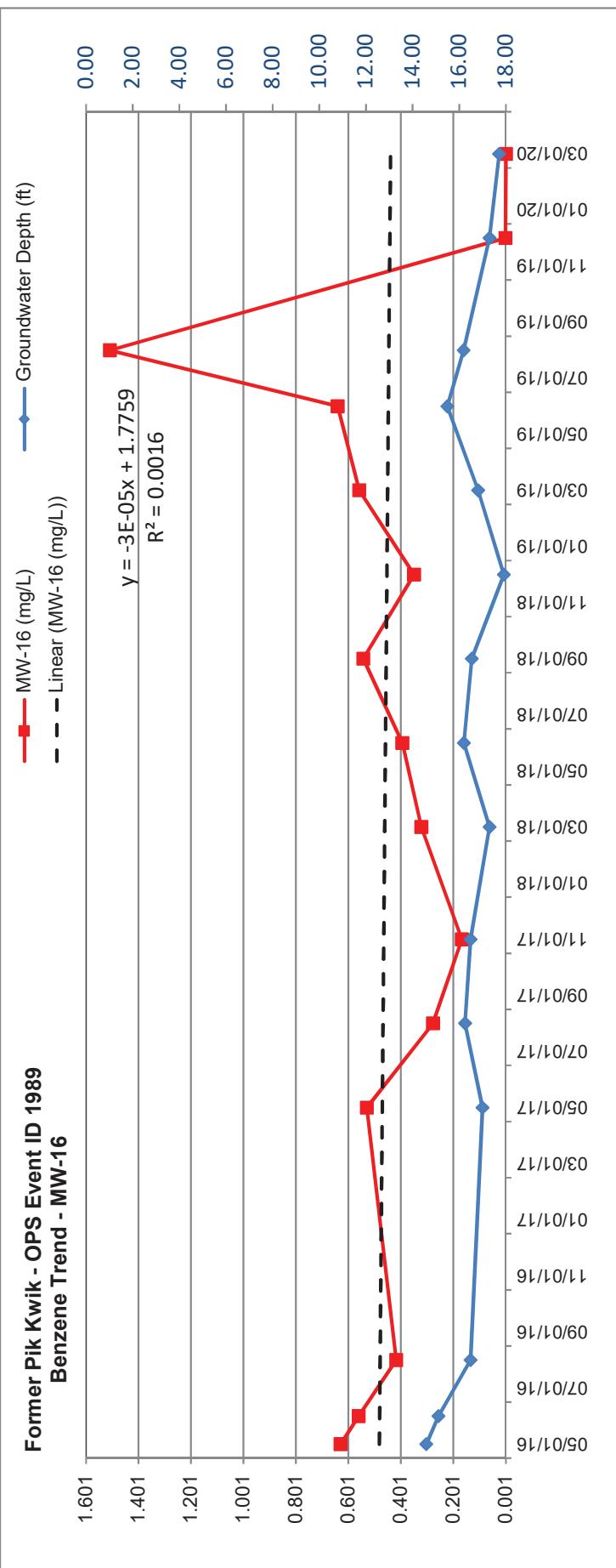
NDWATER SAMPLE FIG
March 12, 2020
FORMER PIK KWIK
OPS EVENT ID 1989
7305 LOWELL BOULEVARD
WESTMINSTER, COLORADO

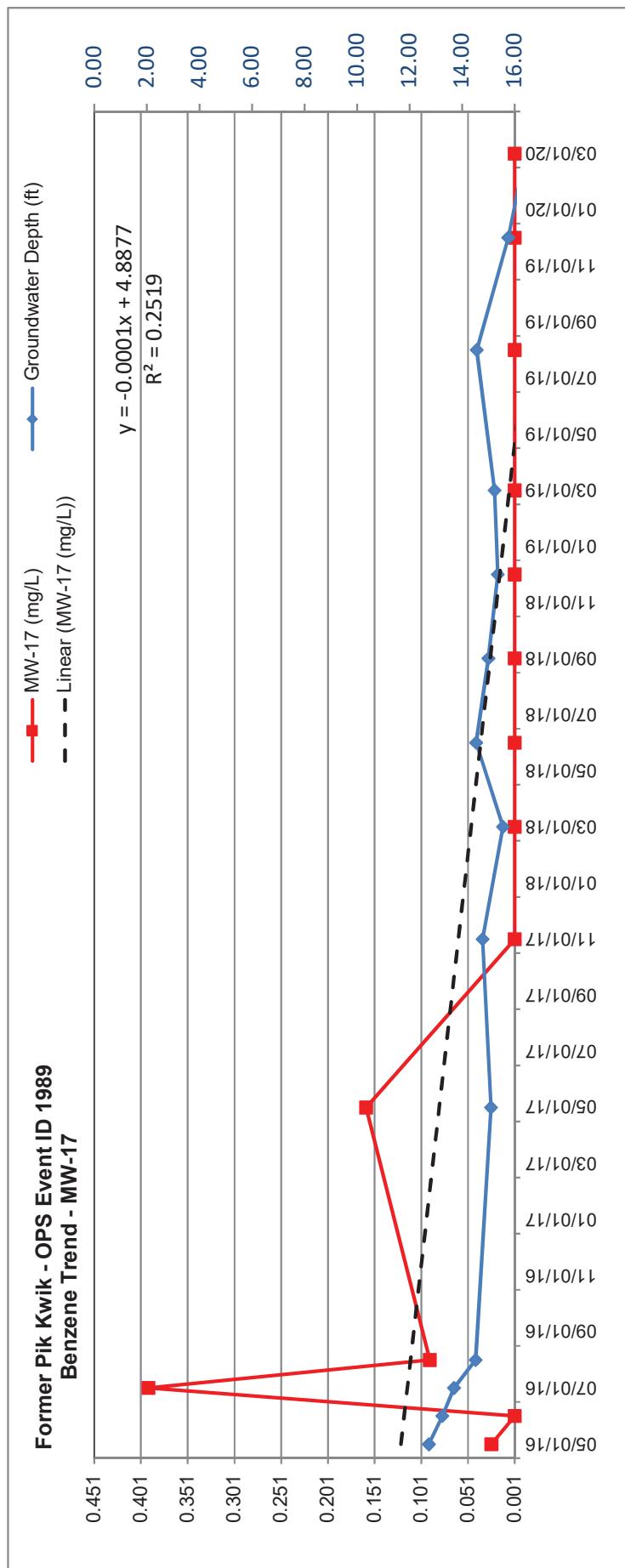
ECT: DRAFT: CLB
-9541ae REVIEW: CGRS
SOLUTIONS DELIVERED

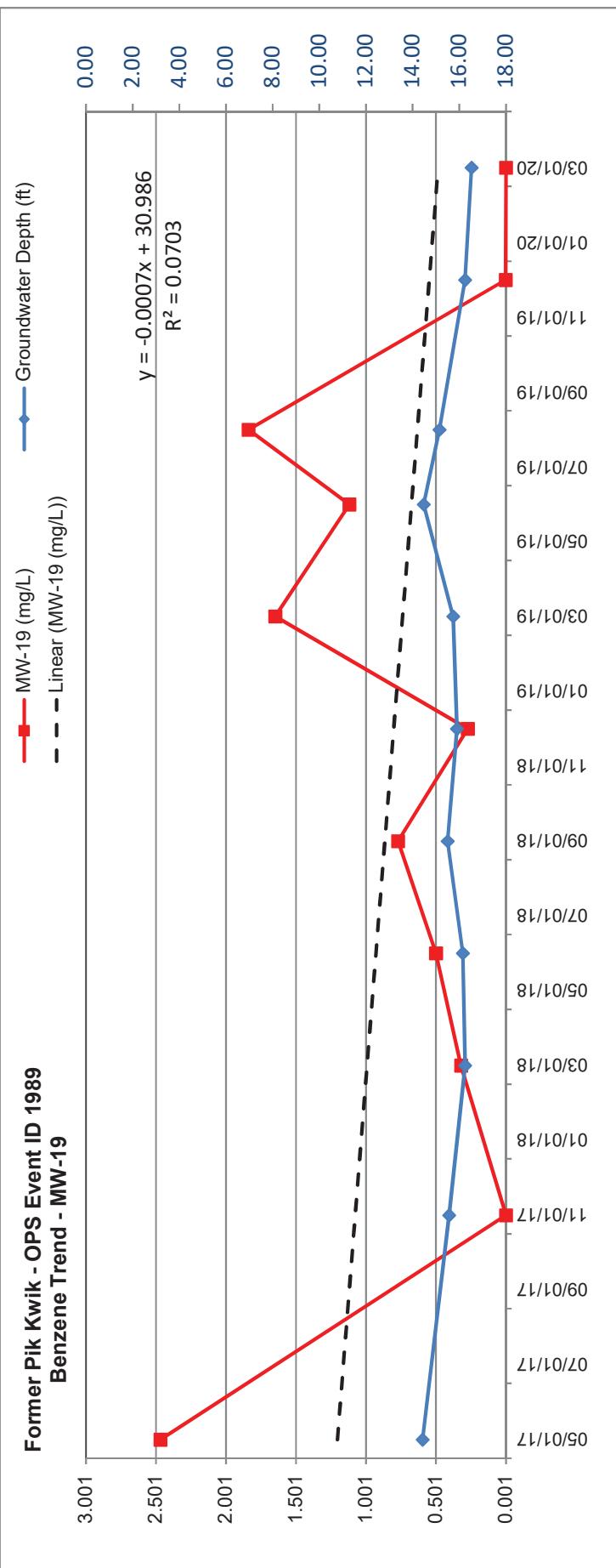


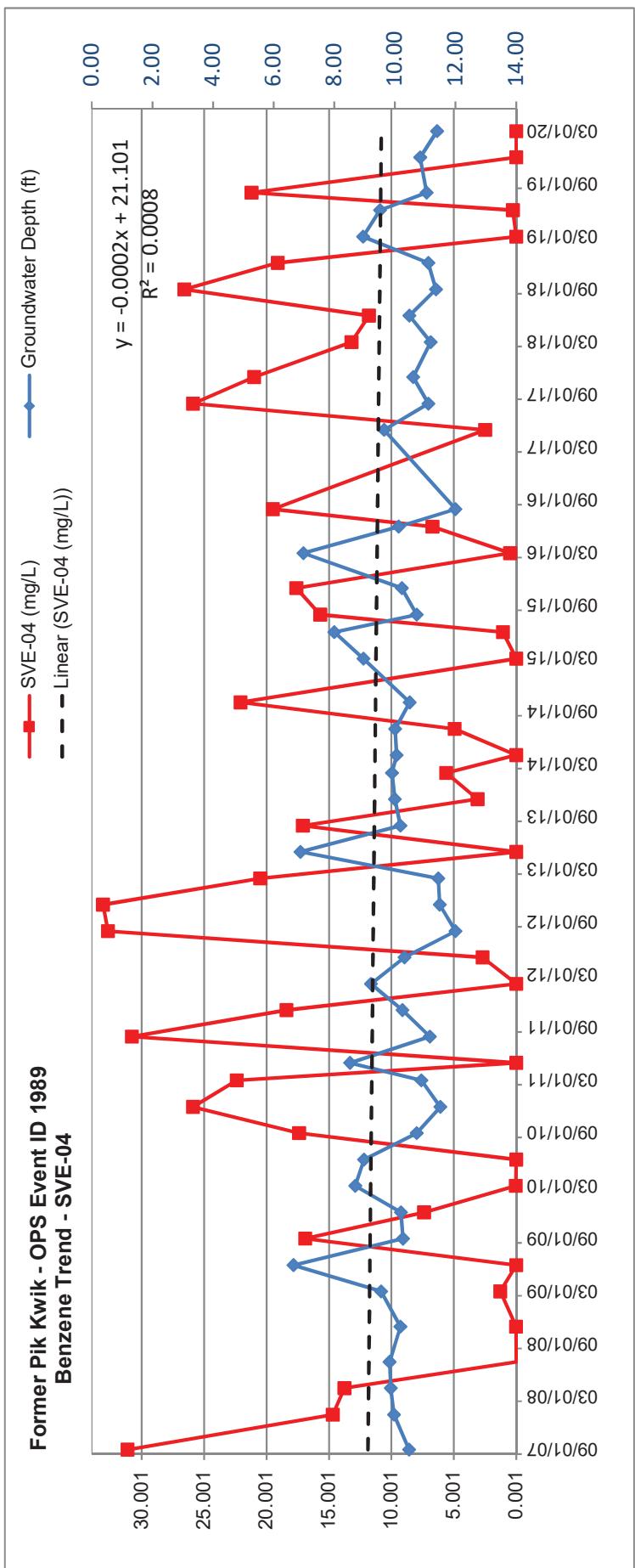


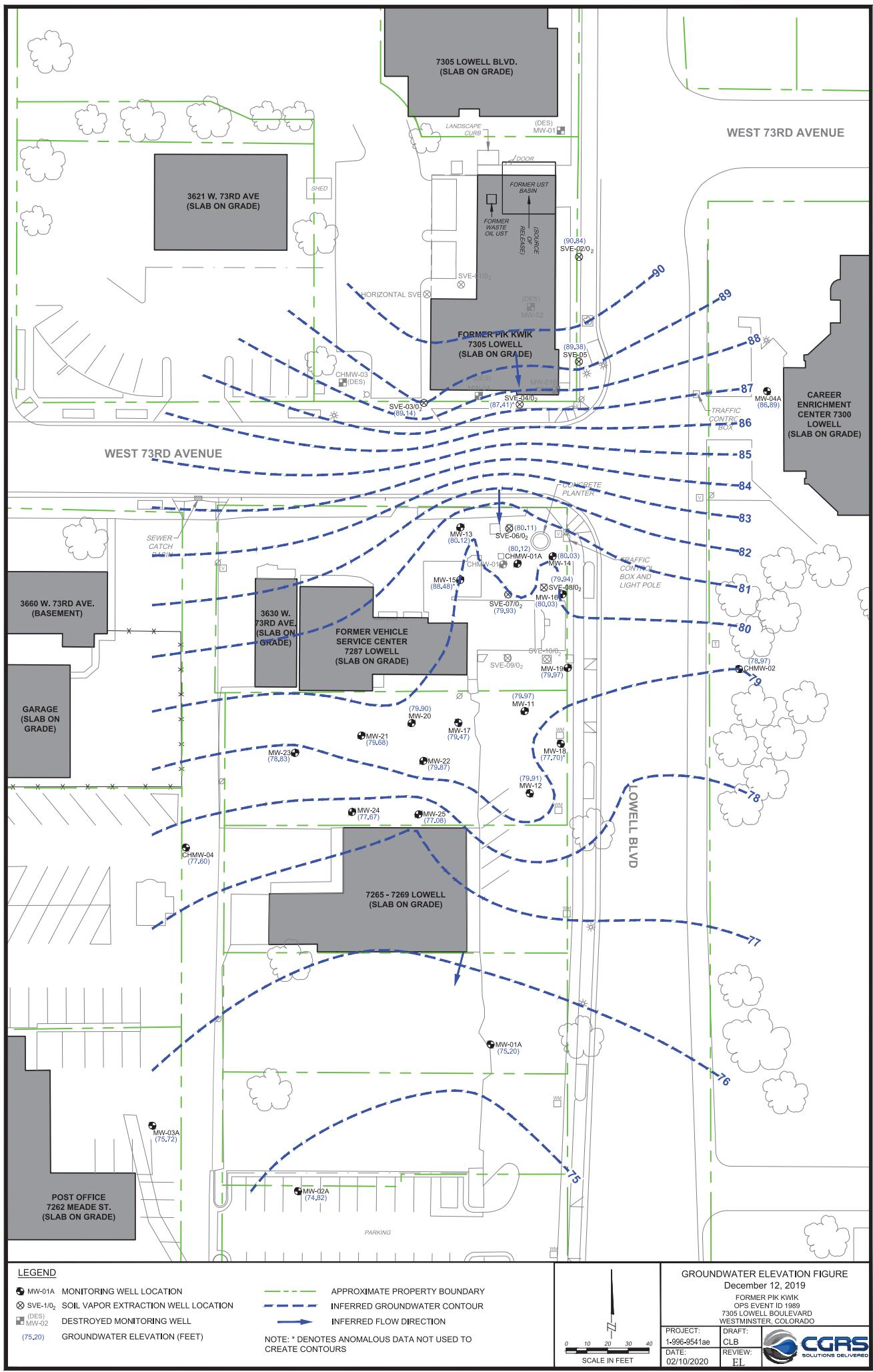


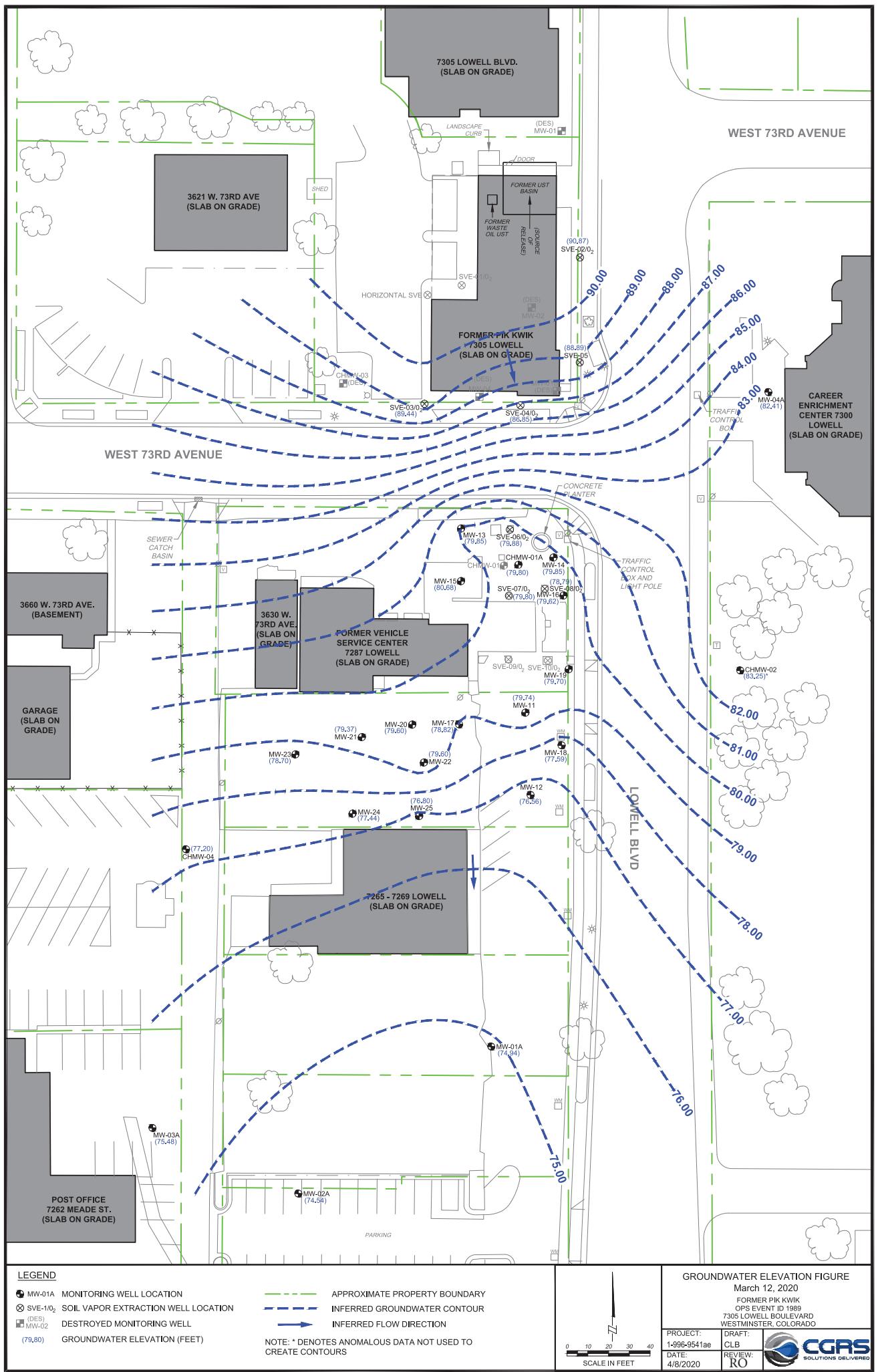




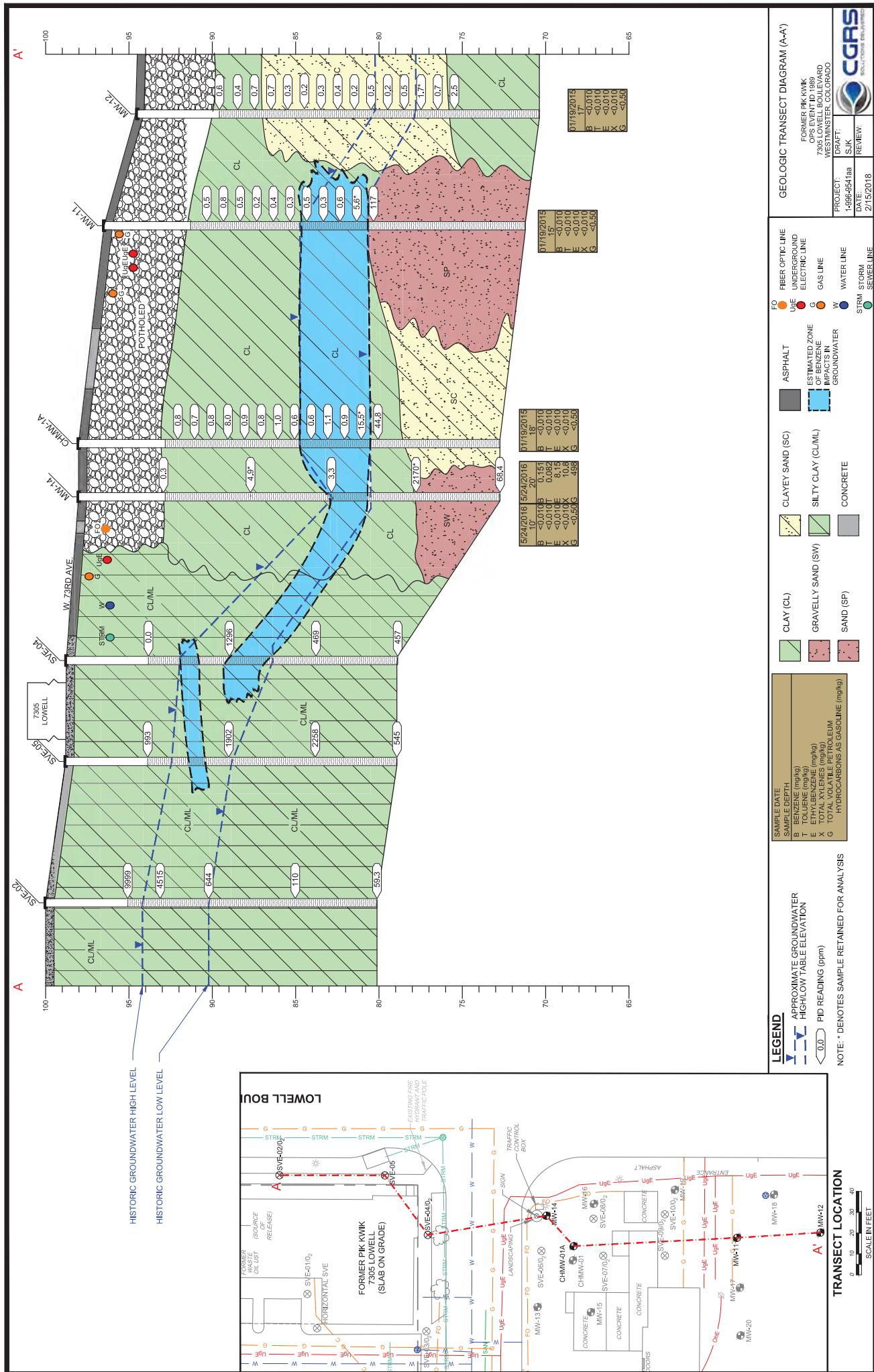


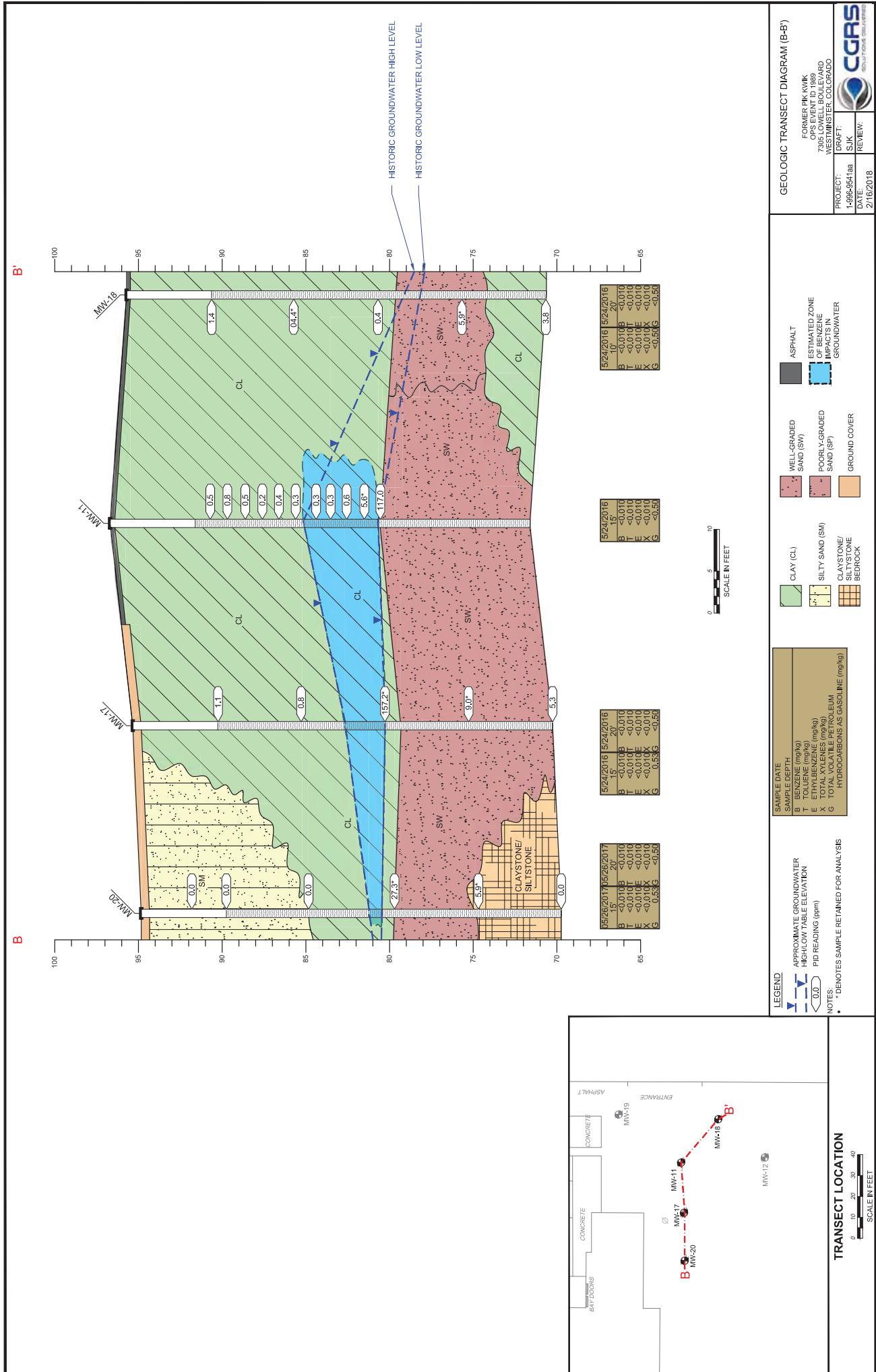


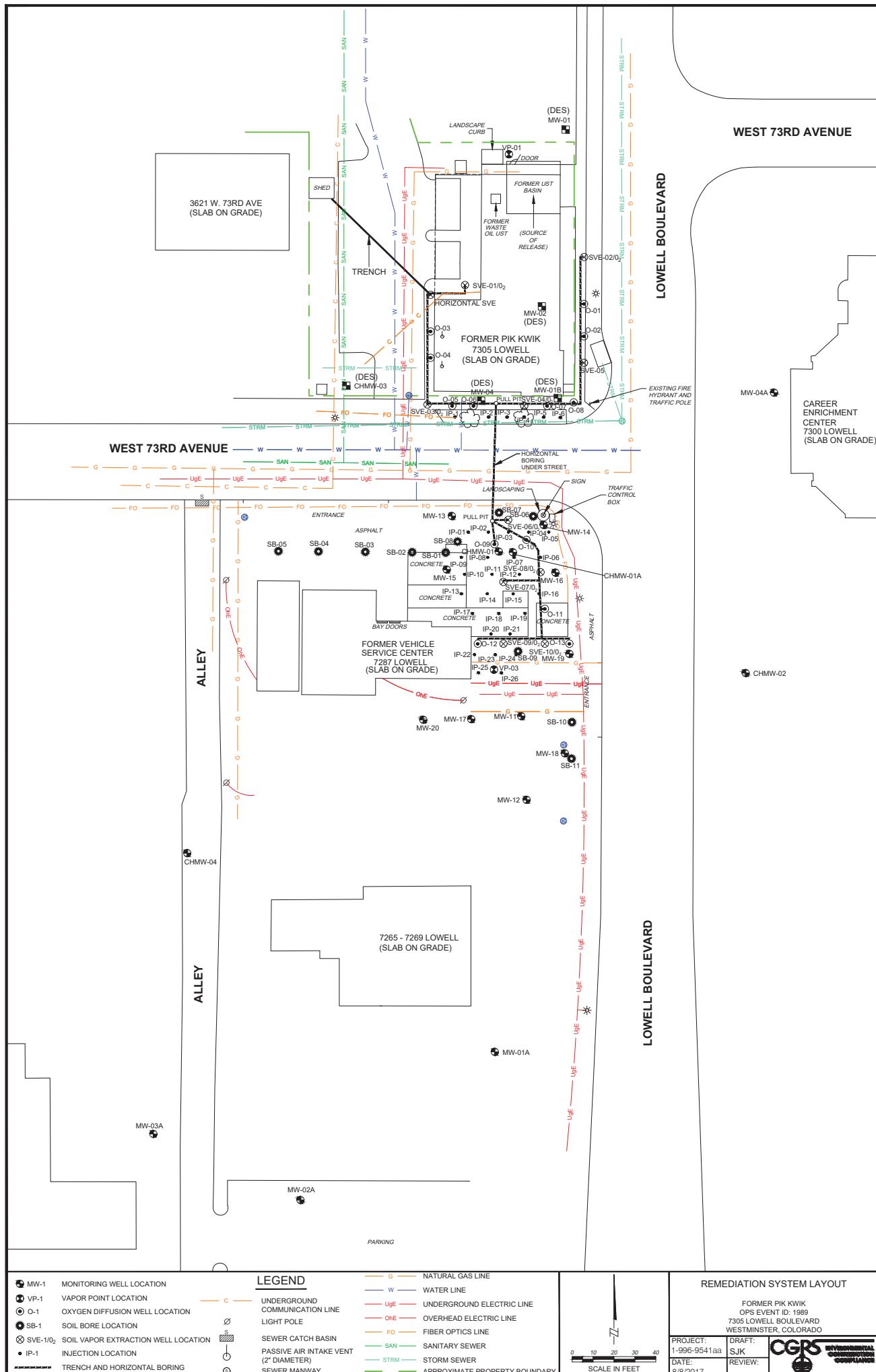


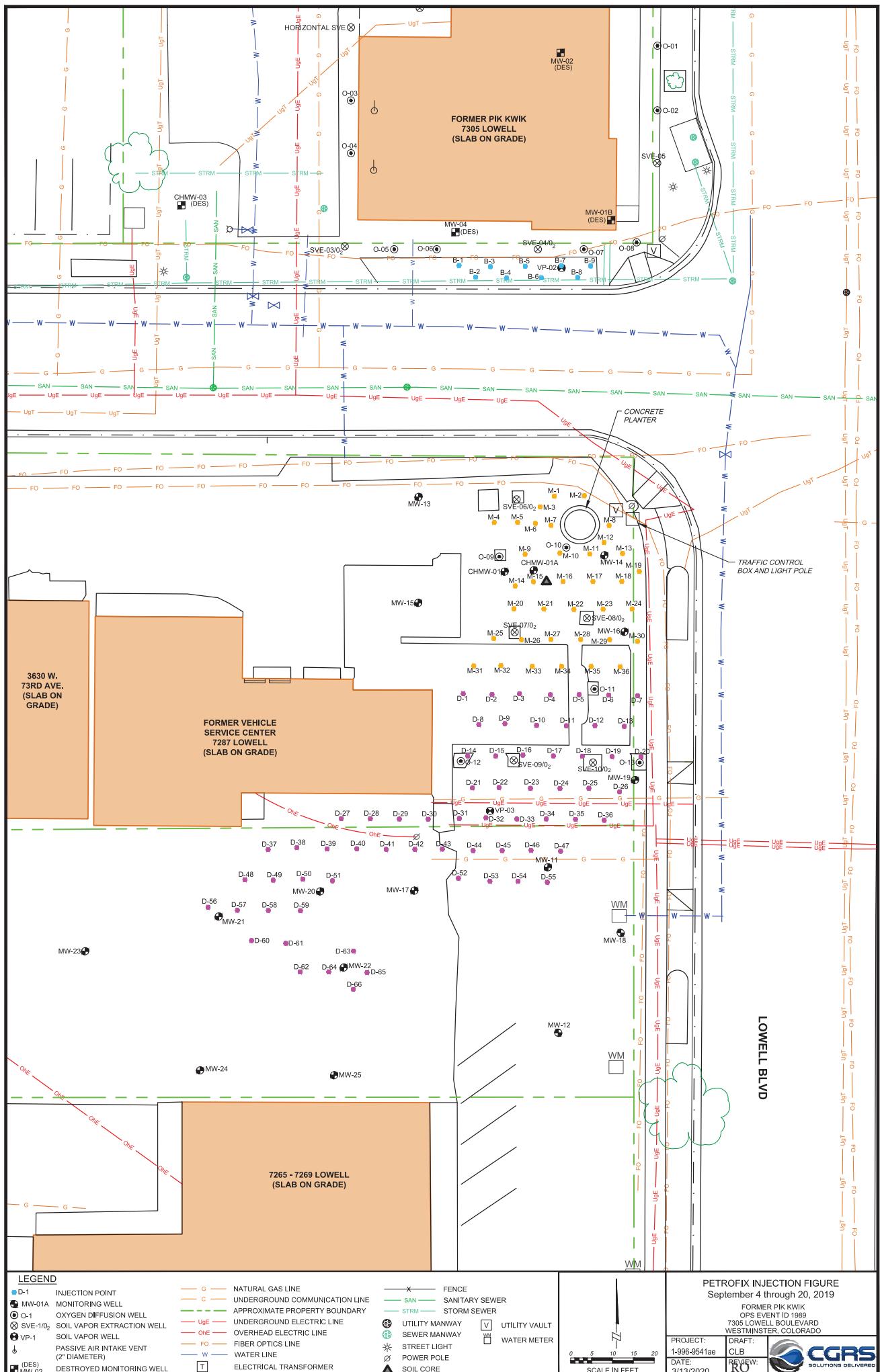












Test Report



December 27, 2019

Client: CGRS, Inc.
Project: Former Pik Kwik (1-996-9541ae)
Lab ID: 1949
Date Samples Received: 12/12/2019

Sample Condition: Samples arrived intact and in appropriate sample containers. Samples were received within the temperature range specified in the test method(s) and/or with thermal preservation in process.

Comments: All samples with the exception of MW-12, MW-13, MW-18, MW-23, MW-24, MW-25, and SVE-05 were filtered prior to the BTEX/TVPH analysis due to suspended carbon that would not settle out. Due to the suspended carbon in those samples, the nitrate and sulfate analysis could not be performed.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you.

A handwritten signature in black ink.

Chris Dieken
QA Manager

A handwritten signature in black ink.

Todd Rhea
Lab Manager

eAnalytics Laboratory
4130 Clydesdale Parkway Loveland CO 80538

Chain of Custody

eANALYTICS

LABORATORY

Chain of Custody Form

Client Information (New Clients please fill out completely)			Analysis Information (Select analysis by checking box on corresponding sample line)																	
Company: CGRS, Inc. Project: Former Pik Kwik (1-996-9541ae) Send Report & Invoice To: Monica Young (monica@cgrs.com) Raina Osmundson (rosmundson@cgrs.com) Sampler: Michelle Henry Phone/Email: (970) 493-7780 monica@cgrs.com/rosmundson@cgrs.com Address: 1301 Academy Court Fort Collins, CO 80524			4130 Clydesdale Parkway Loveland CO 80538 (970) 667-6975 www.eAnalyticsLab.com																	
Lab ID	Sample Name	Sampling Date																		
1	CHMW-01A	12/12	Number of Containers	Matrix: (S) Soil (W) Water (V) Vapor (A) Air	BTEX (EPA8260)	BTEX / TVPH (EPA8260)	BTEX / MTBE / TVPH (EPA8260)	TEPH (EPA8015)	Volatiles - Full List (EPA8260)	Semi-Volatiles Full List (EPA8270)	PAHs (EPA8270)	Vapor Emissions - BTEX / TVPH (EPATO-15)	Air (Summa) - BTEX (EPATO-15 SIM)	TSS	TVPH	Oil & grease	Nitrate/Sulfate	pH / TSS / TDS	HPC-Aerobic Plate Count	HPC-Anaerobic Plate Count
2	MW-11		3 W	X		X									X		X			
3	MW-12		3 W	X		X									X		X			
4	MW-13		2 W	X			X													
5	MW-14		3 W	X			X									X				
6	MW-15		2 W	X			X													
7	MW-16		3 W	X			X										X			
8	MW-17		2 W	X			X													
9	MW-18		3 W	X			X									X				
10	MW-19		3 W	X			X									X				
11	MW-20		2 W	X			X													
12	MW-21		2 W	X			X													
13	MW-22		3 W	X			X									X				
14	MW-23		2 W	X			X													
15	MW-24		2 W	X			X													
Comments:																				
Turnaround Time (Business Days) <input checked="" type="checkbox"/> Standard (5-10 Days) <input type="checkbox"/> 3 Day (1.5X) <input type="checkbox"/> 1-2 Day (2X) <input type="checkbox"/> Same Day (3X)						Record of Custody Relinquished by: Michelle Henry Company: CGRS Received by: Company: Relinquished by: Company: Received by: Company: eAnalytics Laboratory														
If possible please inform eAnalytics Lab in advance for rush analysis						Date 12/12 Time 14:30 AM / PM Date Time AM / PM Date Time AM / PM Date Time AM / PM														
For eAnalytics Use Sample Conditions Upon Arrival Intact? Yes / No *On Ice? Yes / No *Or with thermal preservation in process						Date 12/12/19 Time 230 AM / PM Date Time AM / PM														
eAnalytics Laboratory 4130 Clydesdale Parkway Loveland CO 80538 (970) 667-6975																				

Lab ID # 1949

Page 1 of 2

eAnalytics Laboratory
4130 Clydesdale Parkway Loveland CO 80538

The results contained within this report relate only to the items analyzed

Page 2 of 10

Chain of Custody

eANALYTICS LABORATORY

Chain of Custody Form

eAnalytics Laboratory

4130 Clydesdale Parkway Loveland CO 80538

eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 1949
 Project: Former Pik Kwik (1-996-9541ae)
 Analysis: Volatile Organics - BTEX/TVPH Method: EPA8260

Sample Name	Benzene mg/L	Toluene mg/L	Ethyl-Benzene mg/L	Total Xylenes mg/L	TVPH mg/L		Date Sampled	Date Analyzed	Lab ID
CHMW-01A	0.001	0.006	0.002	0.014	<0.50	PetroFix in sample	12/12/19	12/18/19	1949 1
MW-11	0.001	0.004	0.001	0.009	<0.50	PetroFix in sample	12/12/19	12/18/19	1949 2
MW-12	<0.001	<0.001	<0.001	<0.001	1.65		12/12/19	12/17/19	1949 3
MW-13	<0.001	<0.001	<0.001	<0.001	<0.50		12/12/19	12/17/19	1949 4
MW-14	0.002	0.004	0.002	0.005	<0.50	PetroFix in sample	12/12/19	12/18/19	1949 5
MW-15	0.001	0.004	0.001	0.007	<0.50	PetroFix in sample	12/12/19	12/18/19	1949 6
MW-16	0.002	0.006	0.001	0.010	<0.50	PetroFix in sample	12/12/19	12/18/19	1949 7
MW-17	0.001	0.005	0.001	0.009	<0.50	PetroFix in sample	12/12/19	12/18/19	1949 8
MW-18	<0.001	<0.001	<0.001	<0.001	0.71		12/12/19	12/17/19	1949 9
MW-19	0.005	0.002	0.002	0.006	<0.50	PetroFix in sample	12/12/19	12/18/19	1949 10
MW-20	0.001	0.006	0.001	0.012	<0.50	PetroFix in sample	12/12/19	12/18/19	1949 11
MW-21	0.003	0.006	0.001	0.007	<0.50	PetroFix in sample	12/12/19	12/19/19	1949 12
MW-22	0.001	0.005	0.001	0.006	<0.50	PetroFix in sample	12/12/19	12/19/19	1949 13
MW-23	<0.001	<0.001	<0.001	<0.001	<0.50		12/12/19	12/17/19	1949 14
MW-24	<0.001	<0.001	<0.001	<0.001	<0.50		12/12/19	12/17/19	1949 15
MW-25	<0.001	<0.001	<0.001	<0.001	2.07		12/12/19	12/17/19	1949 16
SVE-04	0.002	0.005	0.001	0.007	<0.50	PetroFix in sample	12/12/19	12/19/19	1949 17
SVE-05	<0.005	0.014	1.74	2.60	21.6	PetroFix in sample	12/12/19	12/18/19	1949 18
SVE-06	0.001	0.005	0.001	0.006	<0.50	PetroFix in sample	12/12/19	12/19/19	1949 19
SVE-07	0.001	0.004	0.001	0.006	<0.50	PetroFix in sample	12/12/19	12/19/19	1949 20

eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 1949
Project: Former Pik Kwik (1-996-9541ae)
Analysis: Volatile Organics - BTEX/TVPH Method: EPA8260

Sample Name	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TVPH	Date Sampled	Date Analyzed	Lab ID
	mg/L	mg/L	mg/L	mg/L	mg/L			
SVE-08	0.001	0.005	0.001	0.006	<0.50	PetroFix in sample	12/12/19	12/19/19 1949 21

eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 1949
Project: Former Pik Kwik (1-996-9541ae)
Analysis: Anion-Nitrate Method: EPA300.0 / 40 CFR 141/136

Sample Name	Nitrate-N mg/L	Date Sampled	Date Analyzed	Lab ID
MW-12	28.0	12/12/19	12/13/19	1949 3
MW-18	4.5	12/12/19	12/13/19	1949 9
SVE-05	<1.0	12/12/19	12/13/19	1949 18

eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 1949
Project: Former Pik Kwik (1-996-9541ae)
Analysis: Anion-Sulfate Method: EPA300.0 / EPA375.4

Sample Name	Sulfate mg/L	Date Sampled	Date Analyzed	Lab ID
MW-12	1200	12/12/19	12/23/19	1949 3
MW-18	1100	12/12/19	12/23/19	1949 9
SVE-05	500	12/12/19	12/27/19	1949 18

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Quality Control - Surrogate Recoveries

eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 1949
 Project: Former Pik Kwik (1-996-9541ae) Method: EPA8260

Sample Name	Dibromo-fluoromethane % Recovery	1,2 Dichloro-ethane-D4 % Recovery	Toluene-D8 % Recovery	4-Bromo-fluorobenzene % Recovery	Date Sampled	Date Analyzed	Lab ID
CHMW-01A	102	96	104	100	12/12/19	12/18/19	1949 1
MW-11	103	94	104	103	12/12/19	12/18/19	1949 2
MW-12	108	100	100	97	12/12/19	12/17/19	1949 3
MW-13	112	103	100	102	12/12/19	12/17/19	1949 4
MW-14	103	92	103	101	12/12/19	12/18/19	1949 5
MW-15	104	96	107	107	12/12/19	12/18/19	1949 6
MW-16	102	99	104	103	12/12/19	12/18/19	1949 7
MW-17	104	98	104	103	12/12/19	12/18/19	1949 8
MW-18	113	99	103	97	12/12/19	12/17/19	1949 9
MW-19	104	98	104	107	12/12/19	12/18/19	1949 10
MW-20	103	97	101	103	12/12/19	12/18/19	1949 11
MW-21	105	97	105	108	12/12/19	12/19/19	1949 12
MW-22	105	96	105	105	12/12/19	12/19/19	1949 13
MW-23	115	105	101	98	12/12/19	12/17/19	1949 14
MW-24	112	99	100	94	12/12/19	12/17/19	1949 15
MW-25	112	102	104	97	12/12/19	12/17/19	1949 16
SVE-04	104	95	104	104	12/12/19	12/19/19	1949 17
SVE-05	117	103	102	100	12/12/19	12/18/19	1949 18
SVE-06	102	93	104	104	12/12/19	12/19/19	1949 19
SVE-07	105	98	106	101	12/12/19	12/19/19	1949 20

eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 1949
Project: Former Pik Kwik (1-996-9541ae) Method: EPA8260

Sample Name	Dibromo-fluoromethane % Recovery	1,2 Dichloro-ethane-D4 % Recovery	Toluene-D8 % Recovery	4-Bromo-fluorobenzene % Recovery	Date Sampled	Date Analyzed	Lab ID
SVE-08	104	97	104	105	12/12/19	12/19/19	1949 21

eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 1949

Project: Former Pik Kwik (1-996-9541ae)

Water		Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TVPH	QC Start Date
Method Blank		<0.001 mg/L	<0.001 mg/L	<0.001 mg/L	<0.001 mg/L	<0.50 mg/L	
Lab Control Sample	70%-130%	96	96	82	92	121	12/17/19
		102	99	96	96	102	12/17/19
		92	91	88	91	94	12/18/19
		100	96	91	93	96	12/18/19
		99	103	108	116	92	12/18/19

Test Report



March 18, 2020

Client: CGRS, Inc.

Project: Former Pik Kwik (1-996-9541ae)

Lab ID: 2310

Date Samples Received: 3/12/2020

Sample Condition: The samples arrived intact and in appropriate sample containers. The samples were received within the temperature range specified in the test method(s) and/or with thermal preservation in process.

Comments: Samples CHMW-01A, SVE-06, SVE-07, and SVE -08 were all black or dark brown in color because of likely suspended activated carbon. These samples were filtered prior to analysis in an attempt to reduce the absorption of the internal standards and surrogates. 2 of the samples, CHMW-01A and SVE-07, still had poor surrogate recoveries as reported. CHMW-01A was not able to be run for Nitrate or Sulfate due to the suspended activated carbon.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you.

A handwritten signature in black ink.

Chris Dieken
QA Manager

A handwritten signature in black ink.

Todd Rhea
Lab Manager

Chain of Custody

eANALYTICS

LABORATORY

Chain of Custody Form

Client Information (New Clients please fill out completely)			Analysis Information (Select analysis by checking box on corresponding sample line)																		
Company: CGRS, Inc. Project: Former Pik Kwik (1-996-9541ae) Send Report & Invoice To: Monica Young (monica@cgrs.com) Raina Osmundson (rosmundson@cgrs.com) Sampler: <u>mallory johnson</u> Phone/Email: (970) 493-7780 monica@cgrs.com/rosmundson@cgrs.com Address: 1301 Academy Court Fort Collins, CO 80524			4130 Clydesdale Parkway Loveland CO 80538 (970) 667-6975 www.eAnalyticsLab.com																		
Lab ID	Sample Name	Sampling Date																			
1	CHMW-01A	3/12/20	Number of Containers	Matrix: (S) Soil (W) Water (V) Vapor (A) Air	BTEX (EPA8260)	BTEX / TVPH (EPA8260)	BTEX / MTBE / TVPH (EPA8260)	TEPH (EPA8015)	Volatiles - Full List (EPA8260)	Semi-Volatiles Full List (EPA8270)	PAHs (EPA8270)	Vapor - Soil Vapor BTEX (EPATO-15)	Vapor Emissions - BTEX / TVPH (EPATO-15)	Air (Summa) - BTEX (EPATO-15 SIM)	TSS	TVPH	Oil & grease	Nitrate/Sulfate	pH / TSS / TDS	HPC-Aerobic Plate Count	HPC-Anaerobic Plate Count
2	MW-11		3	W	X											X		X			
3	MW-12		3	W	X												X		X		
4	MW-13		2	W	X																
5	MW-14		3	W	X														X		
6	MW-15		2	W	X															X	
7	MW-16		3	W	X														X		
8	MW-17		2	W	X																
9	MW-18		3	W	X														X		
10	MW-19		3	W	X														X		
11	MW-20		2	W	X																
12	MW-21		2	W	X																
13	MW-22		3	W	X														X		
14	MW-23		2	W	X																
15	MW-24		2	W	X																
Comments:																					
Turnaround Time (Business Days) <input checked="" type="checkbox"/> Standard (5-10 Days) <input type="checkbox"/> 3 Day (1.5X) <input type="checkbox"/> 1-2 Day (2X) <input type="checkbox"/> Same Day (3X)						Record of Custody Relinquished by: <u>mallory johnson</u> Company: CGRS INC Received by: Company: Relinquished by: Company: Received by: Company:															
						Date 3/12/20 Time 16:45 AM / PM Date Time AM / PM Date Time AM / PM Date Time AM / PM															
For eAnalytics Use Sample Conditions Upon Arrival Intact? *On Ice? Yes / No *Or with thermal preservation in process						eAnalytics Laboratory 4130 Clydesdale Parkway Loveland CO 80538 (970) 667-6975															
						Date 3/12/20 Time 16:45 AM / PM Date Time AM / PM															

Lab ID # 2310Page 1 of 2

eAnalytics Laboratory
4130 Clydesdale Parkway Loveland CO 80538

The results contained within this report relate only to the items analyzed

Page 2 of 9

Chain of Custody

eANALYTICS

LABORATORY

Chain of Custody Form

eANALYTICS LABORATORY			4130 Clydesdale Parkway Loveland CO 80538		(970) 667-6975	www.eAnalyticsLab.com															
Client Information (New Clients please fill out completely)			Analysis Information (Select analysis by checking box on corresponding sample line)																		
Company:	CGRS, Inc.		Number of Containers	Matrix: (S) Soil (W) Water (V) Vapor (A) Air	BTEX (EPA8260)	BTEX / TVPH (EPA8260)	BTEX / MTBE / TVPH (EPA8260)	TEPH (EPA8015)	Volatile - Full List (EPA8270)	Semi-Volatiles Full List (EPA8270)	PAHs (EPA8270)	Vapor - Soil Vapor BTEX (EPATO-15)	Vapor Emissions - BTEX / TVPH (EPATO-15)	Air (Summa) - BTEX (EPATO-15 SIM)	TSS	TVPH	Oil & grease	Nitrate/Sulfate	pH / TSS / TDS	HPC-Aerobic Plate Count	HPC-Anaerobic Plate Count
Project:	Former Pik Kwik (1-996-9541ae)		2	W	X																
Send Report & Invoice To:	Monica Young (monica@cgrs.com) Raina Osmundson (rosmundson@cgrs.com)		3	W	X																
Sampler:	mallory johnson		3	W	X																
Phone/Email:	(970) 493-7280 monica@cgrs.com/rosmundson@cgrs.com		2	W	X																
Address:	1301 Academy Court Fort Collins, CO 80524		2	W	X																
Lab ID	Sample Name	Sampling Date	2	W	X																
16	MW-25	3/12/20	2	W	X																
17	SVE-04		3	W	X																
18	SVE-05		3	W	X																
19	SVE-06		2	W	X																
20	SVE-07		2	W	X																
21	SVE-08		2	W	X																
Comments:																					
Turnaround Time (Business Days) <input checked="" type="checkbox"/> Standard (5-10 Days) <input type="checkbox"/> 3 Day (1.5X) <input type="checkbox"/> 1-2 Day (2X) <input type="checkbox"/> Same Day (3X)					Record of Custody Relinquished by: mallory johnson Date 3/12/20 Company: CGRS Time 16:45 AM/PM																
					Received by: Company:																
					Relinquished by: Company:																
					Received by: Company: Tedd Rees Date 3/12/20 AM/PM eAnalytics Laboratory Time 16:45 AM/PM																
For eAnalytics Use Sample Conditions Upon Arrival Intact? Yes / No *On Ice? Yes / No *Or with thermal preservation in process																					

Lab ID # 2310eAnalytics Laboratory
4130 Clydesdale Parkway Loveland CO 80538
(970) 667-6975Page 2 of 2

eAnalytics Laboratory
4130 Clydesdale Parkway Loveland CO 80538



eANALYTICS
LABORATORY

Client: CGRS, Inc. Lab ID: 2310
 Project: Former Pik Kwik (1-996-9541ae)
 Analysis: Volatile Organics - BTEX/TVPH Method: EPA8260

Sample Name	Benzene mg/L	Toluene mg/L	Ethyl-Benzene mg/L	Total Xylenes mg/L	TVPH mg/L	Date Sampled	Date Analyzed	Lab ID
CHMW-01A	0.001	<0.001	<0.001	0.001	<0.50	03/12/20	03/16/20	2310 1
MW-11	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/12/20	2310 2
MW-12	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/12/20	2310 3
MW-13	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/12/20	2310 4
MW-14	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/12/20	2310 5
MW-15	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 6
MW-16	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 7
MW-17	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 8
MW-18	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 9
MW-19	0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 10
MW-20	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 11
MW-21	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 12
MW-22	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 13
MW-23	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 14
MW-24	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 15
MW-25	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 16
SVE-04	<0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/13/20	2310 17
SVE-05	<0.001	0.009	1.30	2.04	22.2	03/12/20	03/17/20	2310 18
SVE-06	0.001	0.001	0.001	0.004	<0.50	03/12/20	03/16/20	2310 19
SVE-07	0.002	<0.001	<0.001	<0.001	<0.50	03/12/20	03/16/20	2310 20

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eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 2310
Project: Former Pik Kwik (1-996-9541ae)
Analysis: Volatile Organics - BTEX/TVPH Method: EPA8260

Sample Name	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TVPH	Date Sampled	Date Analyzed	Lab ID
	mg/L	mg/L	mg/L	mg/L	mg/L			
SVE-08	0.001	<0.001	<0.001	<0.001	<0.50	03/12/20	03/16/20	2310 21



eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 2310

Project: Former Pik Kwik (1-996-9541ae)

Analysis: Anion-Nitrate Method: EPA300.0 / 40 CFR 141/136
Anion-Sulfate EPA300.0 / EPA375.4

Sample Name	Nitrate-N mg/L	Sulfate- SO4 mg/L	Date Sampled	Date Analyzed	Lab ID
MW-11	<1.0	<2.0	03/12/20	03/13/20	2310 2
MW-12	<1.0	<2.0	03/12/20	03/13/20	2310 3
MW-14	<1.0	<2.0	03/12/20	03/13/20	2310 5
MW-16	<1.0	<2.0	03/12/20	03/13/20	2310 7
MW-18	<1.0	<2.0	03/12/20	03/13/20	2310 9
MW-19	<1.0	<2.0	03/12/20	03/13/20	2310 10
MW-22	<1.0	<2.0	03/12/20	03/13/20	2310 13
SVE-04	<1.0	<2.0	03/12/20	03/13/20	2310 17
SVE-05	<1.0	<2.0	03/12/20	03/13/20	2310 18

Quality Control - Surrogate Recoveries

eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 2310
 Project: Former Pik Kwik (1-996-9541ae) Method: EPA8260

Sample Name	Dibromo-fluoromethane % Recovery	1,2 Dichloro-ethane-D4 % Recovery	Toluene-D8 % Recovery	4-Bromo-fluorobenzene % Recovery	Date Sampled	Date Analyzed	Lab ID
CHMW-01A	129	128	58	16	03/12/20	03/16/20	2310 1
MW-11	109	106	94	97	03/12/20	03/12/20	2310 2
MW-12	109	105	92	105	03/12/20	03/12/20	2310 3
MW-13	113	114	94	96	03/12/20	03/12/20	2310 4
MW-14	112	111	97	99	03/12/20	03/12/20	2310 5
MW-15	111	109	94	101	03/12/20	03/13/20	2310 6
MW-16	110	111	94	97	03/12/20	03/13/20	2310 7
MW-17	109	113	94	99	03/12/20	03/13/20	2310 8
MW-18	110	109	98	97	03/12/20	03/13/20	2310 9
MW-19	109	108	93	101	03/12/20	03/13/20	2310 10
MW-20	107	112	96	106	03/12/20	03/13/20	2310 11
MW-21	113	109	95	94	03/12/20	03/13/20	2310 12
MW-22	114	110	93	94	03/12/20	03/13/20	2310 13
MW-23	109	110	94	97	03/12/20	03/13/20	2310 14
MW-24	111	114	94	101	03/12/20	03/13/20	2310 15
MW-25	108	110	95	100	03/12/20	03/13/20	2310 16
SVE-04	112	119	99	99	03/12/20	03/13/20	2310 17
SVE-05	98	110	95	106	03/12/20	03/17/20	2310 18
SVE-06	103	91	95	66	03/12/20	03/16/20	2310 19
SVE-07	153	141	48	12	03/12/20	03/16/20	2310 20

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Quality Control - Surrogate Recoveries

eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 2310
Project: Former Pik Kwik (1-996-9541ae) Method: EPA8260

Sample Name	Dibromo-fluoromethane % Recovery	1,2 Dichloro-ethane-D4 % Recovery	Toluene-D8 % Recovery	4-Bromo-fluorobenzene % Recovery	Date Sampled	Date Analyzed	Lab ID
SVE-08	99	92	100	102	03/12/20	03/16/20	2310 21

eANALYTICS
L A B O R A T O R Y

Client: CGRS, Inc. Lab ID: 2310

Project: Former Pik Kwik (1-996-9541ae)

Water		Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TVPH	QC Start Date
Method Blank		<0.001 mg/L	<0.001 mg/L	<0.001 mg/L	<0.001 mg/L	<0.50 mg/L	
Lab Control Sample	70%-130%	105	100	100	104	98	03/12/20
		96	95	95	100	102	03/12/20
		98	99	100	101	100	03/16/20
		95	93	93	97	98	03/17/20

PetroFix™ Injection Event
Located at 7305 and 7287 Lowell Boulevard
August 19, 2019 – September 20, 2019

Former Pik Kwik
Westminster, Colorado



Photo 1. Marked injection point locations, before potholing, 8/28/2019



Photo 2. Potholing injection point at 7305 Lowell Blvd. 8/28/2019

PetroFix™ Injection Event
Located at 7305 and 7287 Lowell Boulevard
August 19, 2019 – September 20, 2019

Former Pik Kwik
Westminster, Colorado



Photo 3 .Potholing injection points in the field south of the building located at 7287 Lowell Blvd. 8/28/2019



Photo 4. Drums of PetroFix™ staged at 7287 Lowell Blvd. 9/6/2019.

PetroFix™ Injection Event
Located at 7305 and 7287 Lowell Boulevard
August 19, 2019 – September 20, 2019

Former Pik Kwik
Westminster, Colorado

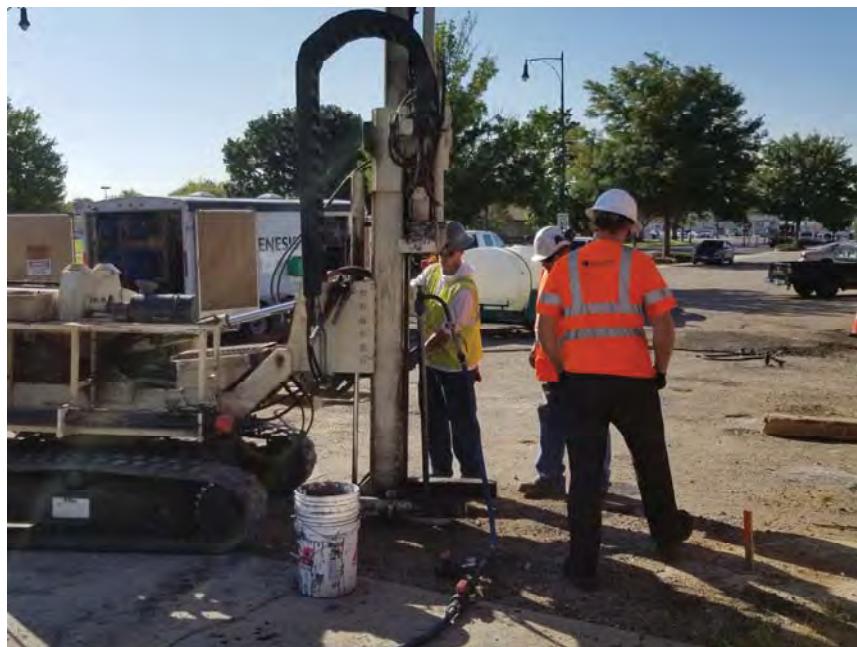


Photo 5. Direct pushing injection points at 7287 Lowell Blvd. 9/17/2019



Photo 6. Injecting in multiple injection points, mixing PetroFix™ injectate, and direct pushing new injection points at 7287 Lowell Blvd. 9/17/2019

PetroFix™ Injection Event
Located at 7305 and 7287 Lowell Boulevard
August 19, 2019 – September 20, 2019

Former Pik Kwik
Westminster, Colorado



Photo 7. Injecting in points in the field south of the building located at 7287 Lowell Blvd, with direct push rig in the background. 9/6/2019.



Photo 8. PetroFix™ distribution in soil cores. 9/5/2020

PetroFix™ Injection Event
Located at 7305 and 7287 Lowell Boulevard
August 19, 2019 – September 20, 2019

Former Pik Kwik
Westminster, Colorado



Photo 9. 7287 Lowell Blvd post-injection and clean up, all equipment off site.



Photo 10. Field south of building located at 7287 Lowell Blvd post-injection and clean up.

PetroFix™ Injection Event
Located at 7305 and 7287 Lowell Boulevard
7305 Lowell Boulevard
August 19, 2019 – September 20, 2019

Former Pik Kwik
Westminster, Colorado



Photo 11. Carbon staining on sidewalk in front of 7305 Lowell Blvd. These sidewalk panels will be removed when remediation and monitoring wells are decommissioned.



Global Headquarters
1011 Calle Sombra
San Clemente, CA 92673
Ph: (949) 366-8000
Fax: (949) 366-8090

November 11, 2019

REGENESIS Proposal No. ChL54149-2

Monica Young, CGRS
1301 Academy Court
Fort Collins, CO 80524

SUBJECT: Application Summary Report for Remedial Services at the Pik Kwik Site, Westminster, CO

Monica,

REGENESIS Remediation Services (RRS) has recently completed an *in-situ* injection application of Petrofix™ (Petrofix) and a 50/50 blend of nitrates and sulfates as an electron acceptor at the Pik Kwik Site (Site) located at 7287 Lowell Boulevard in Westminster, Colorado. The goal of the remedial application was to remediate Benzene and TPH-G. RRS employed *in-situ* sorption and biodegradation technologies to meet remediation goals.

RRS mobilized a support pickup truck, injection trailer, and personnel to the site to begin work over thirteen days from September 4th through September 20th, 2019. RRS staffed this project with an experienced Project Supervisor who ensured a safe, successful injection application. After the remedial agent was applied, RRS flushed each well where Petrofix solution was present to ensure no particulate buildup occurs within the monitoring well.

Please review the attached application summary page, injection logs, injection maps, and photo log for more detail on the application.

RRS appreciates the opportunity to work at this site with CGRS. RRS will be available to interpret the field data or answer any questions. If you need additional information regarding the application process or attached field notes, please contact Andrea Maben at 949.899.0729 or Everett Leslie at 574.274.7694.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andrea'.

Andrea Maben
West Region Project Manager
REGENESIS Remediation Services

A handwritten signature in black ink, appearing to read 'Everett'.

Everett Leslie
Project Supervisor
REGENESIS Remediation Services

Application Summary Page



OVERVIEW

Client: CGRS

Client PM: Monica Young

RRS Project Manager: Andrea Maben

RRS Project Supervisor: Everett Leslie

Site Address: 7287 Lowell Boulevard, Westminster, CO

Project Name: Pik Kwik Site

Project Dates: 09/04/19 to 09/20/19

TREATMENT TECHNOLOGY

RRS employed Petrofix to remediate three on-site areas: Barrier Area, Mid Plume Area, and Downgradient Area. Petrofix is a highly concentrated water-based suspension consisting of micron-scale activated carbon and bio-stimulating electron acceptors. For additional electron acceptors, a 50/50 blend of nitrates and sulfates were added to each batch of product. The environmentally-compatible formulation of micron-scale activated carbon (1-2 microns) is designed to remediate petroleum spills and provide immediate results for gas station and UST sites.

RRS employed remediation design specifications as outlined in designs dated 6/13/2019.

APPLICATION

RRS applied the REGENESIS product Petrofix by mixing the product in the RRS injection trailer and injected through direct push borings drilled with a leading 1.5" diameter retractable stainless-steel injection screen (3-foot length). Mixing water was provided on-site by a fire hydrant and transported via a 925-gallon water tank. RRS used a dual batch mixing system with 300-gallon tanks and pumped product using a positive displacement electrically powered pump. Soil borings were backfilled with sodium bentonite chips after injection to seal the boring. Average injection pressures were observed around 19 PSI. Injection flow rates were observed generally between 2.31 and 3.38 GPM, with the average flow around 2.5 GPM in the Mid Plume Area.

Injection was completed by pumping on up to four injection points at a time using the RRS injection trailer manifold system. Injection intervals varied for each individual point due to high pressures and no flow. The driller personnel would lift the rods until flow began under 40 PSI. The volume would then be recalculated for the treatment interval to ensure an even distribution. Although pressures were observed under 100 PSI, the RRS trailer is equipped with a pressure bypass valve that re-route fluids back into the



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1011 Calle Sombra
San Clemente, CA 92673
Ph: (949) 366-8000
Fax: (949) 366-8090

trailer tanks if downhole pressures reach 100 PSI in order to keep pressures at safe levels for field personnel.

After injection was completed in all of the areas, RRS flushed MW-11, MW-14, MW-16, MW-17, MW-19, MW-20, MW-21, MW-22, O-6, O-7, O-8, SVE-4, SVE-6, SVE-7, SVE-8, and CHMW-01 with 40 gallons of non-potable water per RRS standard operating procedure. Please see attached "Guidelines for Clean Water Flush for All Wells" for more details on flushing volumes and flow rates used to flush each monitoring well of Petrofix.

TREATMENT AREA 1 – BARRIER AREA

A total of 1,351 gallons of Petrofix was mixed with water, with a total of 6,800 pounds of Petrofix and 340 pounds of the 50/50 Nitrate/Sulfate Blend applied in the area.

Application Method: Direct push drilling with retractable 3-foot injection screens.

Injection Depth:

- B-1: 7-13 ft. bgs.
- B-2: 7-10 ft. bgs.
- B-3: 7-10 ft. bgs.
- B-4: 6-9 ft. bgs.
- B-5: 7-10 ft. bgs.
- B-6: 7-10 ft. bgs.
- B-7: 7-10 ft. bgs.
- B-8: 7.5-13.5 ft. bgs.
- B-9: 7-12 ft. bgs.

Number of Injection Points: 9

Deviations from Proposal:

1. Refusal encountered at 13' bgs. for all injection points.
2. Additional volume added to B-9 due to surfacing issues from B-2 in the 9-12 ft. interval.
3. High pressures with no flow caused the treatment intervals to vary per point, but the total product quantities remained the same.

Please see attached Appendix A-Barrier Area Injection Log for details on injection flow rates and pressures observed.

TREATMENT AREA 2 – MID PLUME AREA

A total of 5,600 gallons of Petrofix was mixed with water, with a total of 11,200 pounds of Petrofix and 560 pounds of the 50/50 Nitrate/Sulfate Blend applied in the area.

Application Method: Direct push drilling with retractable 3-foot injection screens.

Injection Depth:

- M-1: 14-23 ft.
- M-2: 14-23 ft.
- M-3: 14-23 ft.
- M-4: 14-23 ft.
- M-5: 14.5-23.5 ft.
- M-6: 14-23 ft.
- M-7: 15-21 ft.
- M-8: 15-18 ft.
- M-9: 14-20 ft.
- M-10: 14-19 ft.
- M-11: 14-23 ft.
- M-12: 14-19 ft.
- M-13: 14-23 ft.
- M-14: 15-21 ft.
- M-15: 14-23 ft.
- M-16: 14-23 ft.
- M-17: 14-20 ft.
- M-18: 14-19 ft.
- M-19: 14-23 ft.
- M-20: 18-21 ft.
- M-21: 14-20 ft.
- M-22: 15-21 ft.
- M-23: 14-23 ft.
- M-24: 14-20 ft.
- M-25: 14-23 ft.
- M-26: 14-17 ft.
- M-27: 15-21 ft.
- M-28: 14-23 ft.
- M-29: 14-20 ft.
- M-30: 14-23 ft.
- M-31: 15-18 ft.
- M-32: 15-21 ft.
- M-33: 14-23 ft.
- M-34: 14-23 ft.
- M-35: 14-23 ft.
- M-36: 14-23 ft.

Number of Injection Points: 36

Deviations from Proposal:

1. High pressures with no flow caused the treatment intervals to vary per point, but the total product quantities remained the same.
2. When surfacing became uncontrollable, the volume of water was reduced by 30%.

a. M-2	c. M-18
b. M-4	d. M-26
3. If surfacing still occurred, the volume of water was reduced again by 60%.

a. M-5	f. M-15	k. M-25
b. M-6	g. M-16	l. M-28
c. M-10	h. M-21	m. M-29
d. M-11	i. M-22	n. M-30
e. M-12	j. M-23	

Please see attached Appendix B-Mid Plume Area Injection Log for details on injection flow rates and pressures observed.

TREATMENT AREA 3 – DOWNGRADIENT AREA

A total of 13,203 gallons of Petrofix was mixed with water, with a total of 11,600 pounds of Petrofix and 580 pounds of the 50/50 Nitrate/Sulfate Blend applied in the area.

Application Method: Direct push drilling with retractable 3-foot injection screens.

Injection Depth:

- D-1: 15-24 ft.
- D-2: 14.5-23.5 ft.
- D-3: 15-18 ft.
- D-4: 15-21 ft.
- D-5: 14-22 ft.
- D-6: 15-24 ft.
- D-7: 15-21 ft.
- D-8: 15-24 ft.
- D-9: 14.5-23.5 ft.
- D-10: 15-21 ft.
- D-11: 15-21 ft.
- D-12: 14-23 ft.
- D-13: 14-22 ft.
- D-14: 15.5-18.5 ft.
- D-15: 15-18 ft.
- D-16: 15-21 ft.
- D-17: 14-20 ft.
- D-18: 14-23 ft.
- D-19: 14-20 ft.
- D-20: 14-22 ft.
- D-21: 14-23 ft.
- D-22: 14-23 ft.
- D-23: 14.5-22.5 ft.
- D-24: 14-23 ft.
- D-25: 15-24 ft.
- D-26: 15-21 ft.
- D-27: 15-18 ft.
- D-28: 14-19 ft.
- D-29: 14-23 ft.
- D-30: 14-9 ft.
- D-31: 14-23 ft.
- D-32: 14-23 ft.
- D-33: 14-23 ft.
- D-34: 14-22 ft.
- D-35: 15-24 ft.
- D-36: 14-20 ft.
- D-37: 12.5-18.5 ft.
- D-38: 14-20 ft.
- D-39: 15-18 ft.
- D-40: 14-20 ft.
- D-41: 14-20 ft.
- D-42: 13-19 ft.
- D-43: 14-20 ft.
- D-44: 14.5-20.5 ft.
- D-45: 15-18 ft.
- D-46: 15-18 ft.
- D-47: 14.5-20.5 ft.
- D-48: 14-19 ft.
- D-49: 14-20 ft.
- D-50: 14.5-20.5 ft.
- D-51: 14-19 ft.
- D-52: 14-23 ft.
- D-53: 15-21 ft.
- D-54: 15-21 ft.
- D-55: 14-22 ft.
- D-56: 13-16 ft.
- D-57: 15-18 ft.
- D-58: 14-25 ft.
- D-59: 12.5-18.5 ft.
- D-60: 15-18 ft.
- D-61: 14-20 ft.
- D-62: 15-18 ft.
- D-63: 14-23 ft.
- D-64: 15-18 ft.
- D-65: 15-18 ft.
- D-66: 15-18 ft.

Number of Injection Points: 66

Deviations from Proposal:

4. High pressures with no flow caused the treatment intervals to vary per point, but the total product quantities remained the same.

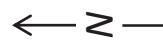
Please see attached Appendix C-Downgradient Area Injection Log for details on injection flow rates and pressures observed.

FORMER PIK KWIK 7305 LOWELL (SLAB ON GRADE)

Not to Scale

LEGEND

Injection Point
Monitoring Well



SVE-05



SVE-05

B-9
B-8
B-7
B-6
B-5
B-4
B-3
B-2
B-1

SVE-03/O₂

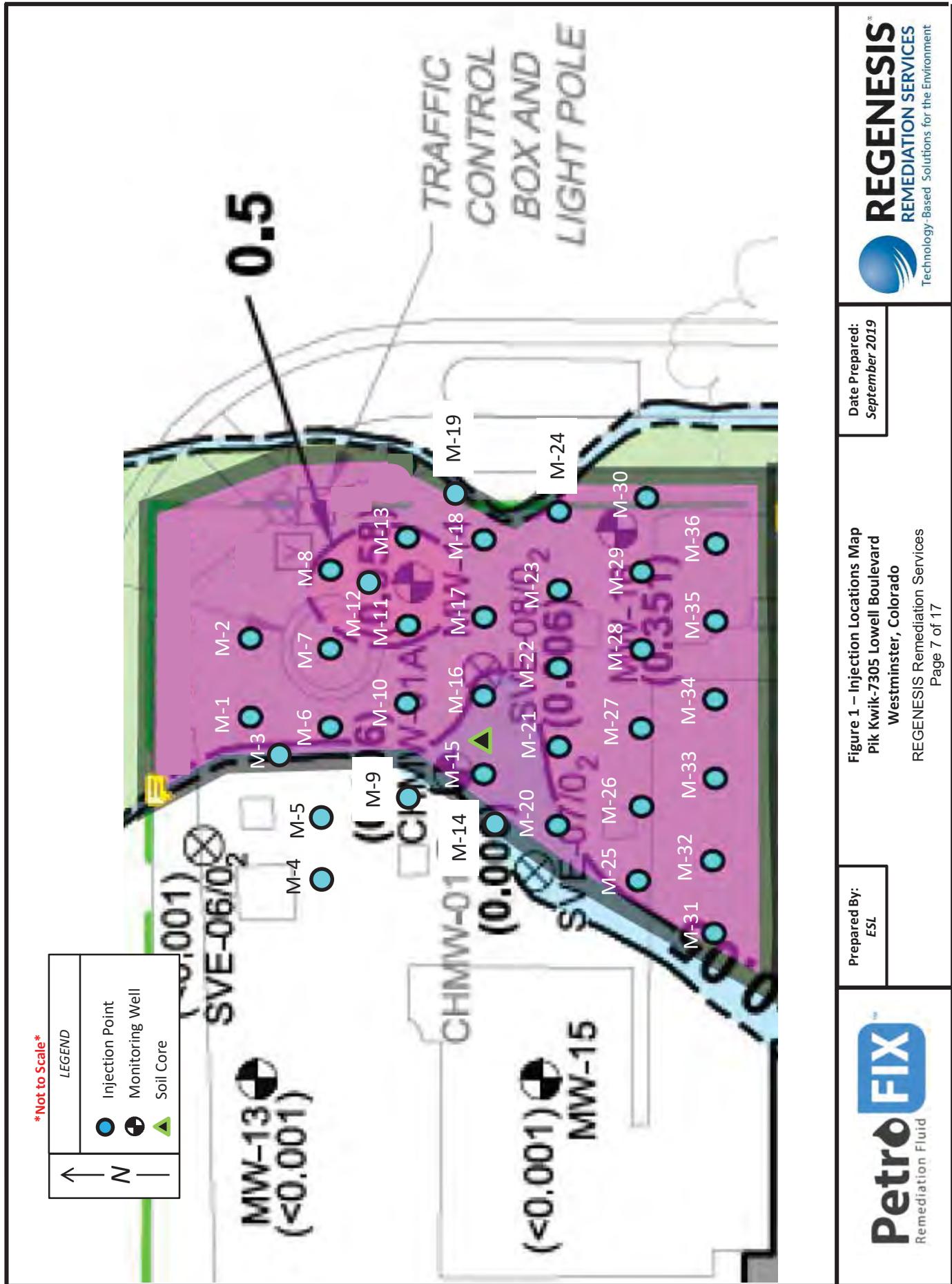
REGENESIS®
REMEDIATION SERVICES
Technology-Based Solutions for the Environment

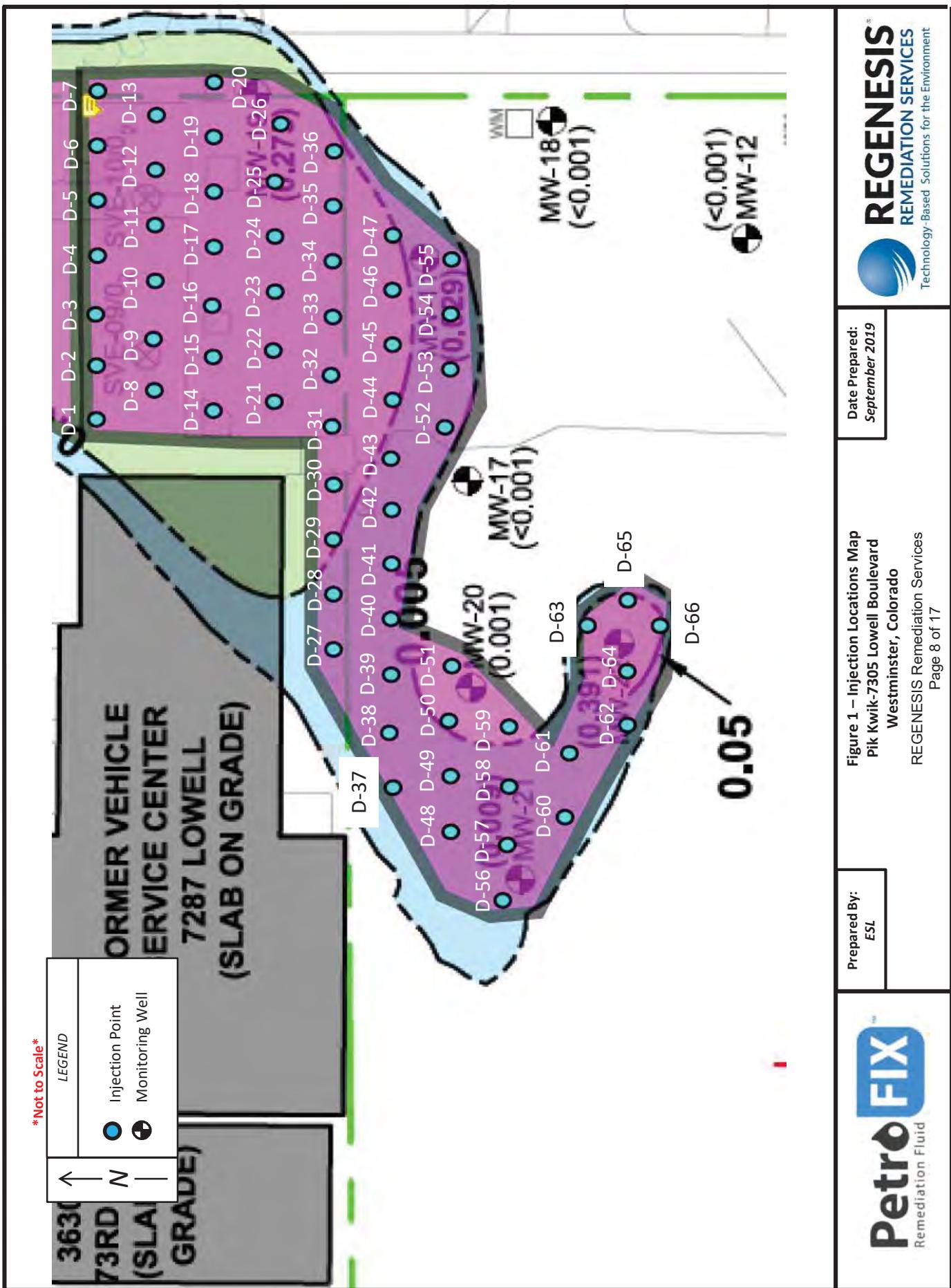
Date Prepared:
September 2019

Figure 1 – Injection Locations Map
Pik Kwik-7305 Lowell Boulevard
Westminster, Colorado
REGENESIS Remediation Services
Page 6 of 17

Prepared By:
ESL

PetroFix™
Remediation Fluid







CGRS-Pik Kwik
PlumeStop Injection Summary Log
BARRIER AREA



Injection Point	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Volume of Petrofix Injected			Comments	Injection Tooling
					Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval		
B-1	9/16/2019	10:30	13-10	20	3.41	0.00	75.06	Refusal was encountered at 13' bgs. -	3-Foot Screen
B-2	9/16/2019	10:33	10-7	25	3.34	75.06	150.11	Refusal was encountered at 13' bgs. High pressures and no flow until 7-10 ft. bgs. Surfacing observed out of cement in between bricks after 85 gal injected.	3-Foot Screen
B-3	9/16/2019	13:26	10-7	10	3.06	0.00	85.03	Refusal was encountered at 13' bgs. High pressures and no flow until 7-10 ft. bgs. Surfacing observed around rod after 80 gal injected.	3-Foot Screen
B-4	9/16/2019	11:30	10-7	50	3.46	0.00	150.11	Refusal was encountered at 13' bgs. High pressures and no flow until 6-9 ft. bgs. Surfacing observed out of cement in between bricks after 77 gal injected.	3-Foot Screen
B-5	9/16/2019	13:31	6-9	25	3.02	0.00	150.11	Refusal was encountered at 13' bgs. High pressures and no flow until 7-10 ft. bgs. DESIGN CHANGE: INJECTED ADDITIONAL VOLUME THAT WAS UNABLE TO BE INJECTED INTO B-2.	3-Foot Screen
B-6	9/16/2019	10:00	10-7	20	3.12	0.00	150.11	Refusal was encountered at 13' bgs. High pressures and no flow until 7-10 ft. bgs.	3-Foot Screen
B-7	9/16/2019	11:30	10-7	10	3.69	0.00	150.11	Refusal was encountered at 13' bgs. High pressures and no flow until 7-10 ft. bgs. DESIGN CHANGE: INJECTED ADDITIONAL VOLUME THAT WAS UNABLE TO BE INJECTED INTO B-2.	3-Foot Screen
B-8	9/16/2019	12:09	13.5-10.5	5	3.74	0.00	75.06	Refusal was encountered at 13.5' bgs.	3-Foot Screen
B-9	9/16/2019	10:00	10-7	0	3.56	75.06	150.11	Refusal was encountered at 13' bgs. High pressures and no flow until 9-12 ft. bgs. DESIGN CHANGE: INJECTED ADDITIONAL VOLUME THAT WAS UNABLE TO BE INJECTED INTO B-2.	3-Foot Screen
								Total Lbs. Nitrate/Sulfate Blend	
								1351	6800
									340.00



CGRS-Pik Kwik
PlumeStop Injection Summary Log
Mid Plume Area



Injection Point	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Flow Rate (gpm)	Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval	Total Gallons Per Location	Pounds of Nitrate/Sulfate Blended Injected Per Location	Comments	Injection Tooling	
M-1	9/17/2019	11:53	23-20	10	2.13	66.66	66.66	0.00	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0.1 ft. north of M-35.	
M-2	9/18/2019	12:47	20-17	20	2.51	66.66	133.31	66.66	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-3	9/18/2019	13:36	17-14	30	2.59	133.31	199.97	66.66	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-4	9/18/2019	13:50	20-17	5	2.24	50.00	100.00	50.00	150	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-5	9/19/2019	9:20	23-20	0	2.16	0.00	66.66	66.66	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-6	9/19/2019	10:15	20-17	5	1.57	66.66	133.31	66.66	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-7	9/19/2019	11:33	17-14	5	2.13	133.31	199.97	66.66	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-8	9/19/2019	13:07	23-20	0	3.37	0.00	50.00	50.00	150	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-9	9/19/2019	13:50	20-17	0	2.24	50.00	100.00	50.00	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-10	9/19/2019	14:38	17-14	0	2.56	100.00	150.00	50.00	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-11	9/19/2019	9:04	23-20	5	2.00	2.80	0.00	33.33	33.33	100	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.
M-12	9/19/2019	12:30	23-20	20	2.07	0.00	33.33	33.33	100	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-13	9/19/2019	13:00	20-17	20	2.10	33.33	66.67	33.33	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-14	9/19/2019	13:51	17-14	20	1.98	66.67	100.00	33.33	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-15	9/19/2019	12:25	21-18	20	2.98	0.00	99.99	99.99	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-16	9/19/2019	13:10	18-15	20	3.00	99.99	199.97	99.99	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-17	9/17/2019	11:58	18-15	20	2.31	0.00	199.97	199.97	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-18	9/17/2019	11:52	20-17	5	2.06	0.00	99.99	99.99	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-19	9/17/2019	12:47	17-14	5	2.34	99.99	199.97	99.99	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-20	9/19/2019	14:26	19-16	0	2.45	0.00	50.00	50.00	100	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-21	9/19/2019	15:31	16-14	5	1.96	50.00	100.00	50.00	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-22	9/19/2019	11:10	20-17	5	1.70	33.33	66.67	33.33	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-23	9/19/2019	11:38	17-14	5	1.88	66.67	100.00	33.33	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-24	9/19/2019	12:30	19-16	5	2.00	0.00	80.00	80.00	100	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-25	9/19/2019	13:51	16-14	5	2.12	80.00	100.00	20.00	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-26	9/18/2019	9:20	23-20	25	2.00	0.00	66.66	66.66	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.	
M-27	9/18/2019	10:15	20-17	10	1.75	66.66	133.31	199.97	66.66	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.
M-28	9/18/2019	11:33	17-14	10	1.90	133.31	199.97	99.99	99.99	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.
M-29	9/12/2019	12:21	21-18	15	2.98	0.00	99.99	99.99	99.99	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.
M-30	9/12/2019	13:10	16-15	15	3.15	99.99	199.97	99.99	99.99	200	311	15.56	High pressures and no flow until 20:23 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 26 gal injected ~0 ft. north of M-35.



CGRS-Pik Kwik
PlumeStop Injection Summary Log
Mid Plume Area



Injection Point	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Flow Rate (gpm)	Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Volume of PetroFix Injected	Total Gallons Per Location	Pounds of Petrofix Injected Per Location	Comments	Injection Tooling
M-15	9/19/2019	10:36	23-20	20	2.09	0.00	33.33	33.33	100	311	15.56	
		11:10	20-17	10	1.92	33.33	66.67	33.33				3-Foot Screen
		11:38	17-14	5	2.01	66.67	100.00	33.33				
M-16	9/19/2019	8:44	23-20	0	2.46	0.00	33.33	33.33	100	311	15.56	
		9:07	20-17	0	2.36	33.33	66.67	33.33				3-Foot Screen
		9:28	17-14	0	2.12	66.67	100.00	33.33				
M-17	9/17/2019	14:10	20-17	10	2.17	0.00	99.99	99.99	200	311	15.56	
		14:51	17-14	10	1.75	99.99	199.97	99.99				High pressures and no flow until 17:20 ft. bgs. Divided total volume by two 3 ft. intervals. Surfacing observed after 31 gal injected <12 ft. north of M-17. Lowered flow rate and let settle for 5-10 minutes before continuing injection.
M-18	9/18/2019	12:55	19-16	15	3.07	0.00	75.00	75.00	150	311	15.56	
		13:50	16-14	15	2.31	75.00	150.00	75.00				3-Foot Screen
M-19	9/12/2019	12:17	23-20	5	3.08	0.00	66.66	66.66	200	311	15.56	
		13:10	20-17	0	3.08	66.66	133.31	66.66				3-Foot Screen
		13:40	17-14	0	3.12	133.31	199.97	66.66				
M-20	9/17/2019	14:10	21-18	5	2.50	0.00	99.99	99.99	200	311	15.56	
		14:51	18-15	5	2.43	99.99	199.97	99.99				High pressures and no flow until 18:21 ft. bgs. Divided total volume by two 3 ft. intervals. Surfacing observed <10 ft. east of M-27 out of the gravel after 79 gal injected.
M-21	9/18/2019	14:39	20-17	20	2.48	0.00	50.00	50.00	100	311	15.56	
		15:22	17-14	10	2.33	50.00	100.00	50.00				High pressures and no flow until 17:20 ft. bgs. Divided up the total volume by two 3 ft. intervals.
M-22	9/19/2019	10:33	21-18	20	2.15	0.00	50.00	50.00	100	311	15.56	
		11:11	18-15	0	1.99	50.00	100.00	50.00				3-Foot Screen
M-23	9/19/2019	13:50	23-20	40	1.40	0.00	33.33	33.33	100	311	15.56	
		14:35	20-17	30	1.70	33.33	66.67	33.33				3-Foot Screen
		15:30	17-14	20	1.88	66.67	100.00	33.33				
M-24	9/17/2019	9:19	20-17	5	3.74	0.00	99.99	99.99	200	311	15.56	
		10:10	17-14	0	2.37	99.99	199.97	99.99				High pressures and no flow until 17:20 ft. bgs. Divided total volume by three 3 ft. intervals. Surfacing observed after 31 gal injected <12 ft. north of M-17. Lowered flow rate and let settle for 5-10 minutes before continuing injection.
M-25	9/19/2019	8:46	23-20	40	2.09	0.00	33.33	33.33	100	311	15.56	
		9:09	20-17	35	2.40	33.33	66.67	33.33				3-Foot Screen
		9:28	17-14	15	2.75	66.67	100.00	33.33				
M-26	9/18/2019	13:07	17-14	30	3.08	0.00	150.00	150.00	311	311	15.56	
		9:24	21-18	80	3.00	0.00	99.99	99.99	200	311	15.56	
M-27	9/17/2019	10:10	18-15	20	2.36	99.99	199.97	99.99				High pressures and no flow until 18:21 ft. bgs. Divided total volume by two 3 ft. intervals. Surfacing observed <10 ft. east of M-27 out of the gravel after 79 gal injected.



CGRS-Pik Kwik
PlumeStop Injection Summary Log
Mid Plume Area



Injection Point	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Flow Rate (gpm)	Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Volume of PetroFix Injected	Total Gallons Per Location	Pounds of Petrofix Injected Per Location	Comments	Injection Tooling	
M-28	9/19/2019	13:50	23-20	40	2.10	0.00	33.33	33.33	100	311	15.56	3-Foot Screen	
		14:35	20-17	40	1.76	33.33	66.67	33.33	100.00	311			
		15:30	17-14	20	1.59	66.67	100.00	33.33	100	311			
M-29	9/19/2019	10:40	20-17	40	2.13	0.00	59.99	59.99	100	311	15.56	3-Foot Screen	
		11:26	17-14	20	2.00	59.99	100.00	40.01	100	311			
		14:59	23-20	35	2.70	0.00	33.33	33.33	100	311			
M-30	9/18/2019	15:23	20-17	30	3.01	33.33	66.67	100.00	33.33	100	15.56	3-Foot Screen	
		15:32	17-14	20	2.60	66.67	100.00	33.33	100	311			
		19:30	18-15	10	2.33	0.00	199.97	199.97	200	311			
M-31	9/17/2019	9:20	21-18	40	2.06	0.00	99.99	99.99	200	311	15.56	3-Foot Screen	
		10:15	18-15	20	1.49	99.99	199.97	99.99	200	311			
		11:45	23-20	55	2.11	0.00	66.66	66.66	200	311			
M-33	9/17/2019	12:47	20-17	45	2.29	66.66	133.31	66.66	133.31	199.97	66.66	3-Foot Screen	
		13:36	17-14	20	2.29	133.31	199.97	66.66	199.97	200			
		8:48	23-20	60	2.29	0.00	59.99	59.99	200	311			
M-34	9/19/2019	9:12	20-17	60	2.11	59.99	119.86	59.99	119.86	200	15.56	3-Foot Screen	
		9:32	17-14	20	2.01	119.98	199.97	79.99	199.97	200			
		9:20	23-20	25	2.40	0.00	66.66	66.66	200	311			
M-35	9/18/2019	10:15	20-17	20	1.63	66.66	133.31	66.66	133.31	199.97	66.66	3-Foot Screen	
		11:33	17-14	20	1.99	133.31	199.97	66.66	199.97	200			
		10:56	23-20	30	2.54	0.00	66.66	66.66	133.31	199.97			
M-36	9/17/2019	10:10	20-17	50	2.33	66.66	133.31	66.66	133.31	199.97	66.66	3-Foot Screen	
		10:56	17-14	40	3.17	133.31	199.97	66.66	199.97	200			
		10:15	23-20	25	2.40	0.00	66.66	66.66	200	311			
										Total Gallons:	Total Lbs. Petrofix Nitrate/Sulfate Blend		
										5600	11200	560.00	



CGRS-Pik Kwik
DOWNGRADIENT AREA



Injection Point	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Volume of PetroFix Injected			Total Gallons Per Location	Pounds of PetroFix Injected Per Location	Comments	Injection Tooling
					Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval				
D-1	9/11/2019	12:20	24-21	60	3.01	0.00	66.68	66.68	200	176	8.79
		13:08	21-18	30	2.61	66.68	133.36	200.05	66.68		3-Foot Screen
D-2	9/12/2019	11:45	23-5-20.5	55	2.13	0.00	66.38	66.68	200	176	8.79
		12:31	20-5-17.5	35	3.09	66.68	133.36	200.05	66.68		3-Foot Screen
D-3	9/11/2019	14:43	18-15	30	2.76	0.00	200.05	200.05	200	176	8.79
		9:15	21-18	15	3.08	0.00	100.02	100.02	200	176	8.79
D-4	9/12/2019	9:55	18-15	5	2.35	100.02	200.05	100.02			3-Foot Screen
		8:01	22-19	35	3.10	0.00	75.02	75.02	200	176	8.79
D-5	9/13/2019	8:45	19-16	15	3.06	75.02	150.03	75.02			3-Foot Screen
		9:09	16-14	5	2.88	150.03	200.05	50.01			
D-6	9/12/2019	14:01	24-21	30	3.25	0.00	66.38	66.68	200	176	8.79
		14:35	21-18	20	4.04	133.36	200.05	66.68			3-Foot Screen
D-7	9/11/2019	12:23	21-18	5	3.05	0.00	100.02	100.02	200	176	8.79
		13:08	18-15	5	2.72	100.02	200.05	100.02			3-Foot Screen
D-8	9/10/2019	11:42	24-21	45	2.78	0.00	66.38	66.68	200	176	8.79
		12:17	21-18	25	3.12	66.68	133.36	66.68			3-Foot Screen
D-9	9/12/2019	14:32	23-5-20.5	5	3.54	0.00	66.38	66.68	200	176	8.79
		14:35	20-5-17.5	5	3.78	66.68	133.36	66.68			3-Foot Screen
D-10	9/10/2019	11:42	21-18	40	3.20	0.00	100.02	100.02	200	176	8.79
		12:17	18-15	30	3.30	100.02	200.05	100.02			3-Foot Screen
D-11	9/13/2019	10:45	18-15	20	2.34	100.02	200.05	100.02			3-Foot Screen
		9:35	22-19	5	3.38	0.00	75.02	75.02	200	176	8.79
D-12	9/11/2019	14:08	23-20	5	2.36	0.00	66.38	66.68	200	176	8.79
		15:01	20-17	5	2.78	66.68	133.36	66.68			3-Foot Screen
D-13	9/13/2019	10:30	19-16	5	2.56	75.02	150.03	75.02			3-Foot Screen
		11:00	16-14	5	2.60	150.03	200.05	50.01			
D-14	9/11/2019	14:44	18-5-15.5	20	2.87	0.00	200.05	200.05	200	176	8.79
		9:26	18-15	25	3.29	0.00	200.05	200.05	200	176	8.79
D-15	9/11/2019	9:15	21-18	5	2.94	0.00	100.02	100.02	200	176	8.79
		9:55	18-15	5	2.83	100.02	200.05	100.02			3-Foot Screen
D-16	9/12/2019	9:26	20-17	45	3.52	0.00	100.02	100.02	200	176	8.79
		10:27	17-14	5	2.70	100.02	200.05	100.02			3-Foot Screen



CGRS-Pik Kwik
DOWNGRADIENT AREA



Injection Point	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Volume of PetroFix Injected			Total Gallons Per Location	Pounds of PetroFix Injected Per Interval	Comments	Injection Tooling
					Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval				
D-18	9/12/2019	11:45	23-20	40	2.94	0.00	66.88	66.88	200	176	8.79
		12:30	20-17	37	2.38	6.68	133.36	66.88			3-Foot Screen
		13:00	17-14	35	2.77	133.36	200.05	66.88			
D-19	9/11/2019	9:26	20-17	4	2.24	0.00	100.02	100.02	200	176	8.79
		10:27	17-14	5	2.88	100.02	200.05	100.02			3-Foot Screen
D-20	9/10/2019	11:32	22-19	45	3.10	0.00	75.02	75.02	200	176	8.79
		12:17	19-16	20	3.18	75.02	150.03	75.02			3-Foot Screen
		12:44	16-14	10	3.33	150.03	200.05	50.01			
D-21	9/10/2019	8:43	23-20	40	3.61	0.00	66.88	66.88	200	176	8.79
		9:50	20-17	35	3.22	66.88	133.36	66.88			3-Foot Screen
		10:11	17-14	25	3.88	133.36	200.05	66.88			
D-22	9/12/2019	11:43	23-20	5	3.29	0.00	66.88	66.88	200	176	8.79
		12:30	20-17	5	2.41	66.88	133.36	66.88			3-Foot Screen
		13:00	17-14	5	133.36	200.05	66.88				
D-23	9/11/2019	14:08	225-19.5	20	2.32	0.00	75.02	75.02	200	176	8.79
		15:01	19-5-16.5	20	2.78	75.02	150.03	75.02			3-Foot Screen
		16:02	16-5-14.5	10	2.65	150.03	200.05	50.01			
D-24	9/10/2019	11:42	23-20	5	2.87	0.00	66.88	66.88	200	176	8.79
		12:17	20-17	10	3.21	66.88	133.36	66.88			3-Foot Screen
		12:44	17-14	10	3.21	133.36	200.05	66.88			
D-25	9/13/2019	8:01	24-21	50	3.23	0.00	66.88	66.88	200	176	8.79
		8:43	21-18	40	3.04	66.88	133.36	66.88			3-Foot Screen
		9:06	18-15	30	2.94	133.36	200.05	66.88			
D-26	9/13/2019	10:02	21-18	20	2.07	0.00	100.02	100.02	200	176	8.79
		10:32	18-15	20	2.70	100.02	200.05	100.02			3-Foot Screen
D-27	9/6/2019	11:50	18-15	5	3.85	0.00	200.05	200.05	200	176	8.79
D-28	9/9/2019	12:40	19-16	5	3.25	0.00	120.03	120.03	200	176	8.79
		13:43	16-14	0	3.24	120.03	200.05	80.02			3-Foot Screen
D-29	9/10/2019	8:40	23-20	30	3.64	0.00	66.88	66.88	200	176	8.79
		9:50	20-17	45	2.86	66.88	133.36	66.88			3-Foot Screen
		10:11	17-14	10	3.62	133.36	200.05	66.88			
D-30	9/9/2019	15:33	19-16	30	3.24	0.00	120.03	120.03	200	176	8.79
		16:21	16-14	25	3.21	120.03	200.05	80.02			3-Foot Screen
D-31	9/11/2019	12:11	23-20	60	3.06	0.00	66.88	66.88	200	176	8.79
		13:08	20-17	45	2.61	66.88	133.36	66.88			3-Foot Screen
		13:25	17-14	25	3.36	133.36	200.05	66.88			
D-32	9/12/2019	9:15	23-20	70	3.17	0.00	66.88	66.88	200	176	8.79
		9:55	20-17	35	3.61	66.88	133.36	66.88			3-Foot Screen
D-33	9/9/2019	15:31	20-17	20	3.13	0.00	66.88	66.88	200	176	8.79
		16:55	17-14	25	3.34	133.36	200.05	66.88			3-Foot Screen
D-34	9/10/2019	8:49	22-19	5	3.18	0.00	75.02	75.02	200	176	8.79
		9:50	19-16	5	3.34	75.02	150.03	75.02			3-Foot Screen
		10:11	16-14	0	3.37	150.03	200.05	50.01			



APPENDIX C - DOWNGRADIENT AREA INJECTION LOG

CGRS-Pik Kwik
DOWNGRADIENT AREA



PlumeStop Injection Summary Log

Injection Point	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Volume of PetroFix Injected			Comments	Injection Tooling
					Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval		
D-35	9/12/2019	9:15	24-21	65	2.76	0.00	66.68	66.68 High pressure and no flow until 24-21 ft. bgs. Divided total volume by three 3 ft. intervals.	3-Foot Screen
		9:55	21-18	45	2.71	66.68	133.36	66.68 High pressure and no flow until 18-15 ft. bgs. Divided volume into two 3 ft. intervals (17-20 and 14-17 ft. bgs).	3-Foot Screen
D-36	9/13/2019	9:42	20-17	40	3.06	0.00	100.02	100.02 High pressure and no flow until 17-20 ft. bgs. Divided volume into two 3 ft. intervals (17-20 and 14-17 ft. bgs).	3-Foot Screen
		10:30	17-14	30	3.06	100.02	200.05	100.02 High pressure and no flow until 15-18 ft. bgs. Divided volume into two 3 ft. intervals (12-15.5 and 15.5-16.5).	3-Foot Screen
D-37	9/6/2019	9:20	18-5-15.5	15	2.38	0.00	100.02	100.02 High pressure and no flow until 15-18 ft. bgs. Injected full volume in this interval.	3-Foot Screen
D-38	9/9/2019	9:54	20-17	35	3.36	100.02	200.05	100.02 High pressure and no flow until 17-20 ft. bgs. Divided volume into two 3 ft. intervals (17-20 and 14-17 ft. bgs).	3-Foot Screen
D-39	9/6/2019	11:07	17-14	45	3.14	100.02	200.05	100.02 High pressure and no flow until 17-20 ft. bgs. Divided volume into two 3 ft. intervals (17-20 and 14-17 ft. bgs).	3-Foot Screen
D-40	9/6/2019	9:39	20-17	30	2.68	0.00	100.02	100.02 High pressure and no flow until 17-20 ft. bgs. Divided volume into two 3 ft. intervals (17-20 and 14-17 ft. bgs).	3-Foot Screen
D-41	9/9/2019	10:00	20-17	35	2.80	0.00	100.02	100.02 High pressure and no flow until 17-20 ft. bgs. Divided volume into two 3 ft. intervals (17-20 and 14-17 ft. bgs).	3-Foot Screen
D-42	9/6/2019	11:43	19-16	15	3.17	0.00	100.02	100.02 High pressure and no flow until 16-19 ft. bgs. Injected full volume in this interval.	3-Foot Screen
		12:53	16-13	20	3.80	100.02	200.05	100.02 High pressure and no flow until 16-19 ft. bgs. Injected full volume in this interval.	3-Foot Screen
D-43	9/10/2019	13:53	20-17	30	3.66	0.00	100.02	100.02 High pressure and no flow until 17-20 ft. bgs. Injected full volume in this interval.	3-Foot Screen
D-44	9/13/2019	8:01	20-5-17.5	30	3.14	0.00	100.02	100.02 High pressure and no flow until 17-20.5 ft. bgs. Divided volume into one 3 ft. interval and one 2 ft. interval (16-19 and 14.5-17.5 ft. bgs).	3-Foot Screen
D-45	9/12/2019	11:39	18-15	45	3.60	0.00	200.05	200.05 High pressure and no flow until 18-15 ft. bgs. Injected full volume in this interval.	3-Foot Screen
D-46	9/11/2019	12:15	18-15	35	3.12	0.00	200.05	200.05 High pressure and no flow until 15-18 ft. bgs. Injected full volume in this interval.	3-Foot Screen
D-47	9/9/2019	15:10	20-5-17.5	30	3.28	0.00	60.01	60.01 High pressure and no flow until 17-20.5 ft. bgs. Divided volume into two 3 ft. intervals (17-20.5 and 14.5-17.5 ft. bgs).	3-Foot Screen
D-48	9/9/2019	9:48	19-16	20	2.76	0.00	120.03	120.03 High pressure and no flow until 16-19 ft. bgs. Divided volume into one 3 ft. interval and one 2 ft. interval (16-19 and 14.5-16 ft. bgs).	3-Foot Screen
D-49	9/6/2019	12:15	20-17	25	1.00	0.00	100.02	100.02 High pressure and no flow until 17-20 ft. bgs. Divided volume into two 3 ft. intervals (17-20 and 14-17 ft. bgs).	3-Foot Screen
D-50	9/9/2019	12:40	20-5-17.5	30	3.33	100.02	200.05	100.02 High pressure and no flow until 17-20.5 ft. bgs. Divided volume into two 3 ft. intervals (17-20.5 and 14.5-17.5 ft. bgs).	3-Foot Screen
D-51	9/9/2019	13:43	17-5-14.5	25	3.24	0.00	100.02	100.02 High pressure and no flow until 16-19 ft. bgs. Divided volume into one 3 ft. interval and one 2 ft. interval (16-19 and 14.5-16 ft. bgs). Surface observed out of MW-20 annulus or well itself. Let settle for 10 minutes and began injecting at a lower flow rate.	3-Foot Screen
		11:07	16-14	0	1.88	120.03	200.05	80.02 High pressure and no flow until 20-23 ft. bgs. Divided total volume by three 3 ft. intervals.	3-Foot Screen
D-52	9/9/2019	15:17	23-20	0	3.18	0.00	66.88	66.88 High pressure and no flow until 18-21 ft. bgs. Divided total volume by two 3 ft. intervals.	3-Foot Screen
D-53	9/11/2019	9:26	21-18	5	3.31	66.88	133.36	66.88 High pressure and no flow until 18-21 ft. bgs. Divided total volume by two 3 ft. intervals.	3-Foot Screen
D-54	9/10/2019	10:34	18-15	25	3.48	0.00	100.02	100.02 High pressure and no flow until 18-21 ft. bgs. Divided total volume by two 3 ft. intervals.	3-Foot Screen
		13:53	21-18	65	3.52	0.00	100.02	100.02 High pressure and no flow until 18-21 ft. bgs. Divided total volume by two 3 ft. intervals.	3-Foot Screen
		14:31	18-15	30	6.27	100.02	200.05	100.02 High pressure and no flow until 20-23 ft. bgs. Divided total volume by three 3 ft. intervals.	3-Foot Screen



CGRS-Pik Kwik
DOWNGRADIENT AREA



Injection Point	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Volume of PetroFix Injected			Total Gallons Per Location	Pounds of PetroFix Injected Per Location	Comments	Injection Tooling
					Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval				
D-55	9/10/2019	8:52	22-19	20	3.49	0.00	75.02	75.02	200	176	8.79
		9:30	19-16	10	3.50	75.02	150.03	75.02			
		10:11	16-14	5	3.54	150.03	200.05	50.01			
D-56	9/6/2019	9:20	16-13	5	2.61	0.00	200.05	200.05	200	176	8.79
D-57	9/5/2019	15:51	18-15	20	4.30	0.00	200.05	200.05	200	176	8.79
D-58	9/5/2019	11:58	25-22	70	2.21	0.00	4.96	4.96	200	176	8.79
		13:10	19-16	40	3.20	4.96	120.03	115.07			
D-59	9/6/2019	9:30	18-5-15.5	20	2.58	0.00	100.02	85.73	200	176	8.79
		10:34	15.5-12.5	15	3.43	85.73	200.05	114.31			
D-60	9/5/2019	9:39	18-15	15	2.66	0.00	200.05	200.05	200	176	8.79
D-61	9/9/2019	12:40	20-17	40	3.25	0.00	100.02	100.02	200	176	8.79
		13:44	17-14	40	3.21	100.02	200.05	100.02			
D-62	9/5/2019	15:34	18-15	35	4.10	0.00	200.05	200.05	200	176	8.79
D-63	9/6/2019	12:33	23-20	30	3.40	0.00	66.68	66.68	200	176	8.79
		---	20-17	---	---	66.68	0.00				
D-64	9/5/2019	9:39	18-15	30	3.66	0.00	200.05	200.05	200	176	8.79
D-65	9/9/2019	12:40	18-15	30	3.26	0.00	200.05	200.05	200	176	8.79
D-66	9/5/2019	12:13	18-15	10	3.20	0.00	200.05	200.05	200	176	8.79

Application Notes:

MW's in downgradient area screened from 5-25'

9/5/19
 We are able to inject as shallow as 14 ft. bgs. per Regenesis' design team's request

9/5/19
 MW-22 influenced

9/19/19
 MW-20 influenced

9/19/19
 MW-11 influenced

MW-10 influenced

MW-16 influenced

MW-17 influenced

MW-19 influenced

MW-21 influenced

O-6 influenced

O-8 influenced

SVE-4 influenced

SVE-6 influenced

SVE-7 influenced

SVE-8 influenced

CHMW-Q1 influenced

Total Gallons:	Total Lbs. Petrofix	Total Lbs. Nitrates/Sulfates Blend
13203	11600	560.00

Photo Log: Pik Kwik Site-CGRS



Photo 1: Looking northeast towards the middle plume injection points (numbered & staked).



Photo 2: Looking west towards injection points down gradient from the middle plume.



Photo 3: Looking north-northeast towards the upper middle plume.



Photo 4: Boring 1 was cored from the down gradient area of the plume.



Photo 5: Boring 2 was cored from the middle plume area.



Photo 6: Boring 3 was cored from the upper middle plume area.

NON-HAZARDOUS WASTE MANIFEST

13939

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number	2. Page 1 of			
3. Generator's Name and Mailing Address <i>Former P&K KWIK 7305 Lower Blvd. Westminster CO 80030</i>		5. Generating Location (if different)				
4. Phone ()		6. Phone ()				
7. Transporter #1 Company Name <i>ACT Services</i>		8. US EPA ID Number	9. Transporter #1's Phone <i>303-991-6002</i>			
10. Transporter #2 Company Name		11. US EPA ID Number	12. Transporter #2's Phone			
13. Designated T/S/D Facility Name and Site Address <i>RARITAN CWT 2696 S. Raritan Street Englewood, CO 80110</i>		14. US EPA ID Number	15. Facility's Phone <i>(303) 979-2730</i>			
16. Waste Shipping Name and Description		18. Containers		19. Total Quantity	20. Unit Wt/Vol	
a.	Non U.S. EPA or DOT regulated contaminated water/gasoline mix	No.	Type		Gallons	
b.	Non U.S. EPA or DOT regulated contaminated water/diesel mix				Gallons	
c.	Petroleum Contaminated Soil				CYS	
d.	<i>Petrofix mixed w/ Bentonite</i>	7	drums	<i>385 GAL</i>		
21. Additional Descriptions for Materials Listed Above						
22. Special Handling Instructions and Additional Information <i>For drums taken to Drill Pro Shop on 9/20/19 ACI PO: 30718</i>						
23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. Printed/Typed Name <i>Raina Edmundson (COFRS)</i> Signature <i>Rainey Edmundson</i> Month <i>9</i> Day <i>30</i> Year <i>19</i> <i>For Former P&K KWIK</i>						
24. Transporter #1: Acknowledgement of Receipt of Materials Printed/Typed Name <i>Thom Aus</i> Signature <i>TA</i> Month <i>10</i> Day <i>08</i> Year <i>19</i>						
25. Transporter #2: Acknowledgement of Receipt of Materials Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____						
26. Discrepancy Indication Space						
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19) Printed/Typed Name <i>Thom Aus</i> Signature <i>TA</i> Month <i>10</i> Day <i>08</i> Year <i>19</i>						

ORIGINAL - RETURN TO GENERATOR

NHW M 01/12

NON-HAZARDOUS WASTE MANIFEST

13970

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number	2. Page 1 of					
GENERATOR	3. Generator's Name and Mailing Address 730 S Lowell Blvd. Westminster, CO 80031		5. Generating Location (if different)					
	4. Phone ()		6. Phone ()					
	7. Transporter #1 Company Name ACI Services		8. US EPA ID Number	9. Transporter #1's Phone 303-991-6002				
	10. Transporter #2 Company Name		11. US EPA ID Number	12. Transporter #2's Phone				
	13. Designated T/S/D Facility Name and Site Address RARITAN CWT 2696 S. Raritan Street Englewood, CO 80110		14. US EPA ID Number	15. Facility's Phone (303) 979-2730				
	16. Waste Shipping Name and Description				18. Containers		19. Total Quantity	20. Unit Wt/Vol
	a. Non U.S. EPA or DOT regulated contaminated water/gasoline mix				No.	Type		
	b. Non U.S. EPA or DOT regulated contaminated water/diesel mix							Gallons
	c. Petroleum Contaminated Soil							CYS
d.								
21. Additional Descriptions for Materials Listed Above								
22. Special Handling Instructions and Additional Information ACI PO : 37328								
23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. Printed/Typed Name (CGRS) for Former Rainer Osmondson RICK WIK Signature Month 12 Day 11 Year 19								
TRANSPORTER	24. Transporter #1: Acknowledgement of Receipt of Materials Printed/Typed Name KIM AUSZ Signature Month 12 Day 13 Year 19							
	25. Transporter #2: Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month . Day . Year .							
	26. Discrepancy Indication Space							
T/S/D FACILITY	27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19) Printed/Typed Name KIM AUSZ Signature Month 12 Day 13 Year 19							

ORIGINAL - RETURN TO GENERATOR

NHW M 01/12

(Area 3)

Site: Former Pilk Kwik
Injection Address: 7287 Lowell Blvd., Westminster, CO
Date: 9/5/19
Weather: 90 degrees and sunny
Diameter of Injection Point: 1.5 inches

Project No. 1-996-9541ae

CGRS Technician: Aaron Lingwall
Regenesis Personnel: Everett Leslie, Kyle Shugerts
Injectate: Petrofix

Influence Readings:

Time:	8:30	10:00	10:45	11:30	12:15	13:00	13:45	15:00	16:15	17:30
Well MW-11										
Depth to GW (ft)	15.5	15.5	15.49	15.47	15.45	15.43	15.42	15.41	15.41	15.41
Total Depth (ft)	24.6									
DO (mg/L)	0.59								0.39	
Temp (Deg.C)	18.43								18.8	
pH	6.91								7.02	
Sp Cond. (mS/cm)	3144.84								3152.81	
ORP (mV)	-82.33								-57	

Time:	8:30	10:00	10:45	11:30	12:15	13:00	13:45	15:00	16:15	17:30
Well MW-17										
Depth to GW (ft)	14.84	14.84	14.78	14.67	14.53	14.5	14.49	14.47	14.5	14.49
Total Depth (ft)										
DO (mg/L)	11.12								9.94	
Temp (Deg.C)	16.67								17.21	
pH	7.89								7.89	
Sp Cond. (mS/cm)	3462.56								3396.89	
ORP (mV)	11.78								15.89	

Time:	8:30	10:00	10:45	11:30	12:15	13:00	13:45	15:00	16:15	17:30
Well MW-19										
Depth to GW (ft)	15.5	15.5	15.48	15.46	15.44	15.43	15.42	15.41	15.42	15.41
Total Depth (ft)										
DO (mg/L)	0.29								0.68	
Temp (Deg.C)	16.62								16.75	
pH	7.44								7.53	
Sp Cond. (mS/cm)	2949.76								3000.77	
ORP (mV)	-134.78								-108.91	

	Time:	8:30	10:00	10:45	11:30	12:15	13:00	13:45	15:00	16:15	
Well MW-20											
Depth to GW (ft)	14.25	14.19	13.92	13.78	13.87	13.88	13.8	13.92	13.89		13.73
Total Depth (ft)	24.5										
DO (mg/L)	0.38										
Temp (Deg.C)	16.18										
pH	7.33										
Sp Cond. (mS/cm)	3121.33										
ORP (mV)	-89.33										

	Time:	8:30	10:00	10:45	11:30	12:15	13:00	13:45	15:00	16:15	
Well MW-21											
Depth to GW (ft)	13.89	13.84	13.71	13.66	13.65	13.64		13.61	13.59	Under pressure	
Total Depth (ft)	23.25										
DO (mg/L)	0.30										0.44
Temp (Deg.C)	15.92										16.41
pH	7.29										7.23
Sp Cond. (mS/cm)	2639.95										3966.75
ORP (mV)	-32.78										-17.16

	Time:	8:30	10:00	10:45	11:30	12:15	13:00	13:45	15:00	16:15	
Well MW-22											
Depth to GW (ft)	13.63	13.51									
Total Depth (ft)	23.28										
DO (mg/L)	0.26										
Temp (Deg.C)	15.88										
pH	7.3										
Sp Cond. (mS/cm)	2816.99										
ORP (mV)	-85.53										

Influence Readings:

Time:	SVE-09	Depth to GW (ft)	DRY
		Total Depth (ft)	14.02
		DO (mg/L)	
		Temp (Deg. C)	
		pH	
		Sp Cond. (mS/cm)	
		ORP (mV)	

Influence Readings:

REGENESIS INJECTIONS (Area 3)

Site: Former PiK Kwik
Injection Address: 7287 Lowell Blvd., Westminster, CO

Date: 9/6/19

Date: 9/6/19

Weather: 85 degrees and mostly sunny
Diameter of Injection Point: 1.5 inches

CGRS Technician: Aaron Lingwall
Regenesis Personnel: Everett Leslie, Kyle Shugers
Injectate: Petrofix

Injection Point Name	Start Time	End Time	Pressure (psi)	Gallons Injected	Notes
27	8:45	11:00		200	
37	8:45	11:00		200	
39	8:45	11:00		200	
40	8:45	11:00		200	
42	11:45	13:45		200	
49	11:45	13:45		200	
56	11:45	13:45		200	
59	11:45	13:45		200	
63	14:00	15:00		200	

Influence Readings:

Time:	8:15	9:45	10:45	11:30	12:15	13:30	14:30	15:00
Well MW-11								
Depth to GW (ft)	15.44	15.42	15.37	15.36	15.31	15.26	15.24	15.23
Total Depth (ft)								
DO (mg/L)	0.26							0.21
Temp (Deg.C)	17.24							18.6
pH	6.98							7.02
Sp Cond. (mS/cm)	3256.1							3192.27
ORP (mV)	-49.54							-55.49

Time:	8:15	9:45	10:45	11:30	12:15	13:30	14:30	15:00
Well MW-17								
Depth to GW (ft)	14.67	14.67	14.48	14.41	13.76	12.93	12.78	12.87
Total Depth (ft)								
DO (mg/L)	10.16							8.68
Temp (Deg.C)	16.41							17.63
pH	7.79							7.84
Sp Cond. (mS/cm)	3468.68							3377.54
ORP (mV)	13.32							2.28

Time:	8:15	9:45	10:45	11:30	12:15	13:30	14:30	15:00
Well MW-19								
Depth to GW (ft)	15.43	15.41	15.37	15.36	15.32	15.27	15.26	15.25
Total Depth (ft)								
DO (mg/L)	0.14							0.28
Temp (Deg.C)	16.23							16.65
pH	7.34							7.43
Sp Cond. (mS/cm)	3058.68							3055.08
ORP (mV)	-107.25							-102.74

Time:	8:15	9:45	10:45	11:30	12:15	13:30	14:30	15:00

Well MW-20

Depth to GW (ft)	14.09	13.46	Under pressure	13.63	12.78	Under pressure
Total Depth (ft)						
DO (mg/L)	0.42					
Temp (Deg.C)	16.17					
pH	7.26					
Sp Cond. (mS/cm)	3564.3					
ORP (mV)	-20.11					

Time:

Well MW-21

Depth to GW (ft)	13.7	9.35	Under pressure	8.55	10.63	11.2	11.75
Total Depth (ft)							
DO (mg/L)							
Temp (Deg.C)							
pH							
Sp Cond. (mS/cm)							
ORP (mV)							

Time:

Well MW-22

Depth to GW (ft)	13.01	12.97	12.63	12.81	Under pressure	12.56	12.56
Total Depth (ft)							
DO (mg/L)							
Temp (Deg.C)							
pH							
Sp Cond. (mS/cm)							
ORP (mV)							

Influence Readings:

Time:	8:15	9:45	10:45	11:30	12:15	13:30	14:30
SVI-09							
Depth to GW (ft)	DRY						

Total Depth (ft)	14.02
DO (mg/L)	
Temp (Deg.C)	
pH	
Sp Cond. (mS/cm)	
ORP (mV)	

Influence Readings:

Time:	8:15
SVE-10	
Depth to GW (ft)	DRY
Total Depth (ft)	14.78
DO (mg/L)	
Temp (Deg.C)	
pH	
Sp Cond. (mS/cm)	
ORP (mV)	

REGENESIS INJECTIONS (Area 3)

Site: Former Pik Kwik
Injection Address: 7287 Lowell Blvd., Westminster, CO
Date: 9/9/19
Weather: 85 degrees and mostly sunny
Diameter of Injection Point: 1.5 inches

Project No. 1-996-9541 ae

CGRS Technician: Aaron Lingwall
Regenesis Personnel: Everett Leslie, Kyle Sugerts
Injectate: Petrofix

Injection Point Name	Start Time	End Time	Pressure (psi)	Gallons Injected	Notes
38	9:30	11:30		200	
41	9:30	11:30		200	
48	9:30	11:30		200	
51	9:30	11:30		200	
28	12:30	14:15		200	
50	12:30	14:15		200	
61	12:30	14:15		200	
65	12:30	14:15		200	
30	15:15	17:15		200	
33	15:15	17:15		200	
47	15:15	17:15		200	
52	15:15	17:15		200	

Influence Readings:

Time:	8:20	10:30	11:30	12:45	13:45	14:30	15:45	16:30	17:20
Well MW-11									
Depth to GW (ft)	15.42	15.4	15.33	15.31	15.28	15.25	14.61	14.9	
Total Depth (ft)									14.75
DO (mg/L)	0.48								0.44
Temp (Deg.C)	16.9								17.52
pH	6.97								7.06
Sp Cond. (mS/cm)	3301								3307.65
ORP (mV)	-70.96								-79.15

Time:	8:20	10:30	11:30	12:45	13:45	14:30	15:45	16:30	17:20
Well MW-17									
Depth to GW (ft)	14.68	14.5	14.53	14.45	14.31	14.07	9.06	9.65	
Total Depth (ft)									11.65
DO (mg/L)	13.07								0.6
Temp (Deg.C)	15.96								16.88
pH	8.88								9.51
Sp Cond. (mS/cm)	3275.34								3456.95
ORP (mV)	11.97								-3.27

Time:	8:20	10:30	11:30	12:45	13:45	14:30	15:45	16:30	17:20
Well MW-19									
Depth to GW (ft)	15.42	15.39	15.34	15.32	15.28	15.26	14.83	14.97	
Total Depth (ft)									14.85
DO (mg/L)	0.15								0.23
Temp (Deg.C)	15.96								17.08
pH	7.38								8.04
Sp Cond. (mS/cm)	3037.77								3066.64
ORP (mV)	-104.79								-121.26

Time:	8:20	10:30	11:30	12:45	13:45	14:30	15:45	16:30	17:20

Well MW-20							
Depth to GW (ft)	14.1	Under pressure					
Total Depth (ft)							
DO (mg/L)	0.11						
Temp (Deg.C)	16.05						
pH	7.62						
Sp Cond. (mS/cm)	6972.4						
ORP (mV)	38.59						

	Time:	8:20	10:30	11:30	12:45	13:45	14:30	15:45	16:30	17:20
Well MW-21										
Depth to GW (ft)	13.82	12.59	12.38	13.31	11.98	12.65				
Total Depth (ft)										
DO (mg/L)	0.14									
Temp (Deg.C)	16.18									
pH	8.25									
Sp Cond. (mS/cm)	7143.82									
ORP (mV)	36.99									

	Time:	8:20	10:30	11:30	12:45	13:45	14:30	15:45	16:30	17:20
Well MW-22										
Depth to GW (ft)	13.45	13.25	13.07	Under pressure						
Total Depth (ft)										
DO (mg/L)	0.13									
Temp (Deg.C)	16.36									
pH	8.04									
Sp Cond. (mS/cm)	7447.7									
ORP (mV)	39.49									

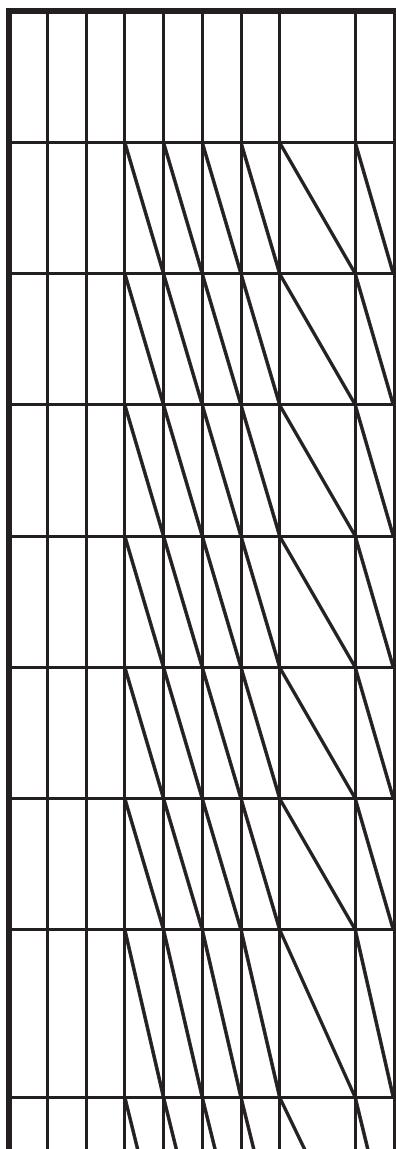
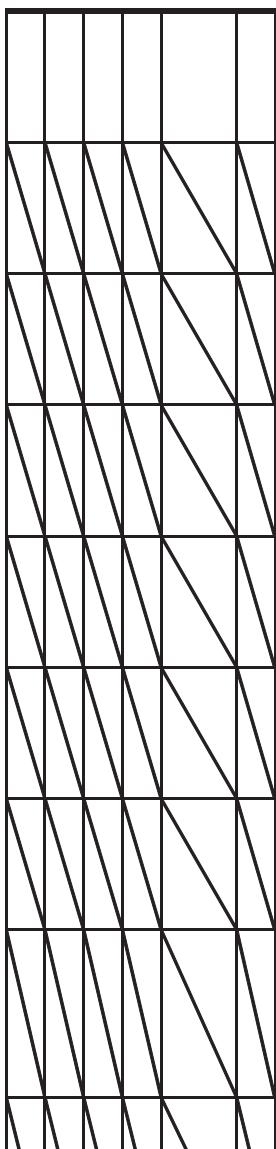
Influence Readings:

Time:	8:20									
SVE-09										
Depth to GW (ft)	DRY									

Total Depth (ft)	14.02
DO (mg/L)	
Temp (Deg.C)	
pH	
Sp Cond. (mS/cm)	
ORP (mV)	

Influence Readings:

Time:	8:20
SVE-10	
Depth to GW (ft)	DRY
Total Depth (ft)	14.78
DO (mg/L)	
Temp (Deg.C)	
pH	
Sp Cond. (mS/cm)	
ORP (mV)	



REGENESIS INJECTIONS (Area 3)

Site: Former Kwik
Injection Address: 7287 Lowell Blvd., Westminster, CO
Date: 9/10/19
Weather: 85 degrees , partly cloudy
Diameter of Injection Point: 1.5 inches

Project No. 1-9996-9541ae

CGRS Technician: Aaron Lingwall
Regenesis Personnel: Everett Leslie, Kyle Shugerts
Injectate: Pétrofix

CGRS Technician: Aaron Jingwall

CGRS Technician: Aaron Lingwall

Regenesis Personnel: Everett Lesli

Injectate: Petrofix

Influence Readings:

Time:	8:00	9:30	10:15	11:30	12:15	14:15
Well MW-11						
Depth to GW (ft)	15.24	under pressure		14.63	14.03	12.28
Total Depth (ft)						
DO (mg/L)	0.71					
Temp (Deg.C)	17.11					
pH	6.97					
Sp Cond. (mS/cm)	3355.58					
ORP (mV)	-22.61					

Time:	8:00	9:30	10:15	11:30	12:15	14:15
Well MW-17						
Depth to GW (ft)	14.06	14.14	14.14	14.11	14.11	14.09
Total Depth (ft)						
DO (mg/L)	0.38					
Temp (Deg.C)	16.32					
pH	8.67					
Sp Cond. (mS/cm)	3614.64					
ORP (mV)	14.29					

Time:	8:00	9:30	10:15	11:30	12:15	14:15
Well MW-19						
Depth to GW (ft)	15.26	14.66	14.51	Under pressure		14.54
Total Depth (ft)						
DO (mg/L)	0.08					
Temp (Deg.C)	16.14					
pH	7.63					
Sp Cond. (mS/cm)	3083.59					
ORP (mV)	-102.03					

Time:	8:00	9:30	10:15	11:30	12:15	14:15
Well MW-20						
Depth to GW (ft)	13.94	13.79	13.74	13.75	13.73	13.64
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						

Time:	8:00	9:30	10:15	11:30	12:15	14:15
Well MW-21						
Depth to GW (ft)	13.61	13.6	13.58	13.55	13.55	13.52
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						

Time:	8:00	9:30	10:15	11:30	12:15	14:15
Well MW-22						
Depth to GW (ft)	13.21					
Total Depth (ft)		13.1				
DO (mg/L)			13.04		13.02	12.94
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						

Influence Readings:		Time: 8:00									
SVE-09		Depth to GW (ft)		DRY							
		Total Depth (ft)									
		DO (mg/L)									
		Temp (Deg.C)									
		pH									
		Sp Cond.									
		(mS/cm)									
		ORP (mV)									

Influence Readings:

Influence Readings:

Time:	SVE-09
Depth to GW (ft)	DRY
Total Depth (ft)	
DO (mg/L)	
Temp (Deg C)	
pH	
Sp Cond.	
(mS/cm)	
ORP (mV)	

Influence Readings:

Time:

SVE-10	
Depth to GW (ft)	DRY
Total Depth (ft)	

DO (mg/L)				
Temp (Deg.C)				
pH				
Sp Cond. (mS/cm)				
ORP (mV)				

REGENESIS INJECTIONS (Area 3)

Site: Former Kwik
Injection Address: 7287 Lowell Blvd., Westminster, CO
Date: 9/1/19
Weather: 85 degrees and sunny
Diameter of Injection Point: 1.5 inches

Project No. 1-9996-9541ae

CGRS Technician: Aaron Lingwall
Regenesis Personnel: Everett Leslie, Kyle Shugerts
Injectate: Petrofix

CGRS Technician: Aaron Lingwall

Date: 9/11/19

Date: 9/11/19

Weather: 85 degrees and su

Diameter of Injection Point: 1.5 inches

Influence Readings:

Time:	8:00	10:00	11:00	13:00	14:45	
Well MW-11						16:40
Depth to GW (ft)	15.2	14.46	14.23	13.98	14.26	
Total Depth (ft)						14.58
DO (mg/L)	4.2					
Temp (Deg.C)	18.76					
pH	7.39					
Sp Cond. (mS/cm)	6694.06					
ORP (mV)	49.53					

Time:	8:00	10:00	11:00	13:00	14:45	
Well MW-17						
Depth to GW (ft)	14.33	7.93	9.52	11.93	12.55	
Total Depth (ft)						12.89
DO (mg/L)	3.57					
Temp (Deg.C)	16.67					
pH	10.9					
Sp Cond. (mS/cm)	3011.49					
ORP (mV)	-2.11					

Time:	8:00	10:00	11:00	13:00	14:45	
Well MW-19						
Depth to GW (ft)	15.21	14.43	14.3	14.14	14.22	
Total Depth (ft)						14.61
DO (mg/L)	0.08					
Temp (Deg.C)	16.55					
pH	7.74					
Sp Cond. (mS/cm)	7716.11					
ORP (mV)	51.36					

Time:	8:00	10:00	11:00	13:00	14:45	
Well MW-20						
Depth to GW (ft)	13.93	13.75	13.8	13.74	13.7	
Total Depth (ft)						13.68
DO (mg/L)	0.14					
Temp (Deg.C)	16.74					
pH	8.11					

Sp Cond. (mS/cm)	7566.81
ORP (mV)	46.83

Time:	8:00	10:00	11:00	13:00	14:45
Well MW-21					
Depth to GW (ft)	13.61	12.79	13.47	13.55	13.51
Total Depth (ft)					
DO (mg/L)	0.11				
Temp (Deg.C)	16.49				
pH	8.08				
Sp Cond. (mS/cm)	6592.8				
ORP (mV)	45.76				

Time:	8:00	10:00	11:00	13:00	14:45
Well MW-22					
Depth to GW (ft)	13.21	13.13	13.11	13.04	
Total Depth (ft)					
DO (mg/L)	0.1				
Temp (Deg.C)	17.12				
pH	8.47				
Sp Cond. (mS/cm)	7458.14				
ORP (mV)	40.7				

Influence Readings:

Time:					
SVE-09					
Depth to GW (ft)	DRY				
Total Depth (ft)					
DO (mg/L)					
Temp (Deg.C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Time:					
SVE-10					
Depth to GW (ft)	DRY				
Total Depth (ft)					

DO (mg/L)				
Temp (Deg.C)				
pH				
Sp Cond. (mS/cm)				
ORP (mV)				

REGENESIS INJECTIONS (Area 3)

Site: Former Kwik
Injection Address: 7287 Lowell Blvd., Westminster, CO
Date: 9/12/2019
Weather: 75 Degrees Mostly Sunny
Diameter of Injection Point: 1.5 inches

Project No. 1-996-9541a

CGRS Technician: Aaron Lingwall
Regenesis Personnel: Kyle Everett
Injectee: Petrofix

Influence Readings:

Time:	8:30	10:15	12:00	13:00	14:15	15:00	15:30
Well MW-11							
Depth to GW (ft)	15.17	13.95	14.14	13.61	14.13	13.97	
Total Depth (ft)							14
DO (mg/L)							
Temp (Deg.C)							
pH							
Sp Cond. (mS/cm)							
ORP (mV)							

Time:	8:30	10:15	12:00	13:00	14:15	15:00	15:30
Well MW-17							
Depth to GW (ft)	14.15	14.2	14.2	14.17	14.13	14.11	
Total Depth (ft)							14.11
DO (mg/L)							
Temp (Deg.C)							
pH							
Sp Cond. (mS/cm)							
ORP (mV)							

Time:	8:30	10:15	12:00	13:00	14:15	15:00	15:30
Well MW-19							
Depth to GW (ft)	15.18	14.07	14.2	13.83	14.01	13.86	
Total Depth (ft)							14.01
DO (mg/L)							
Temp (Deg.C)							
pH							
Sp Cond. (mS/cm)							
ORP (mV)							

Time:	8:30	10:15	12:00	13:00	14:15	15:00	15:30
Well MW-20							
Depth to GW (ft)	13.91	13.81	13.74	13.66	13.65	13.61	
Total Depth (ft)							13.62
DO (mg/L)							
Temp (Deg.C)							
pH							

Time:	830	1015	1200	1300	1415	1500	1530
Well MW-21							
Depth to GW (ft)	13.59	13.58	13.55	13.53	13.5	13.49	13.49
Total Depth (ft)							
DO (mg/L)							
Temp (Deg.C)							
pH							
Sp Cond. (mS/cm)							
ORP (mV)							

Time:	8:30	10:15	12:00	13:00	14:15	15:00	15:30
Well MW-22							
Depth to GW (ft)	13.2	13.12	13.04	12.98	12.96	12.94	12.94
Total Depth (ft)							
DO (mg/L)							
Temp (Deg.C)							
pH							
Sp Cond. (mS/cm)							
ORP (mV)							

Influence Readings:

Influence Readings:

DO (mg/L)							
Temp (Deg.C)							
pH							
Sp Cond. (mS/cm)							
ORP (mV)							

REGENESIS INJECTIONS (Area 3)

Site: Former Kwik
Injection Address: 7287 Lowell Blvd., Westminster, CO
Date: 9/13/2019
Weather: 80 Degrees Mostly Sunny
Diameter of Injection Point: 1.5 inches

Project No. 1-9996-9541ae

CGRS Technician: Aaron Lingwall
Regenesis Personnel: Kyle Everett
Injectate: Petrofix

Influence Readings:

Time:	8:15	9:00	10:00	12:15
Well MW-11				
Depth to GW (ft)	15.12	14.19	13.7	14.08
Total Depth (ft)				
DO (mg/L)				
Temp (Deg.C)				
pH				
Sp Cond. (mS/cm)				
ORP (mV)				

Time:	8:15	9:00	10:00	12:15
Well MW-17				
Depth to GW (ft)	14.36	14.25	14.18	14.1
Total Depth (ft)				
DO (mg/L)				
Temp (Deg.C)				
pH				
Sp Cond. (mS/cm)				
ORP (mV)				

Time:	8:15	9:00	10:00	12:15
Well MW-19				
Depth to GW (ft)	15.12	14.31	13.64	14.13
Total Depth (ft)				
DO (mg/L)				
Temp (Deg.C)				
pH				
Sp Cond. (mS/cm)				
ORP (mV)				

Time:	8:15	9:00	10:00	12:15
Well MW-20				
Depth to GW (ft)	13.86	13.8	13.73	13.62
Total Depth (ft)				
DO (mg/L)				
Temp (Deg.C)				
pH				

Time:	8:15	9:00	10:00	12:15
Well MW-21				
Depth to GW (ft)	13.55	13.55	13.54	13.48
Total Depth (ft)				
DO (mg/L)				
Temp (Deg.C)				
pH				
Sp Cond. (mS/cm)				
ORP (mV)				

Influence Readings:

Time:	SVE-09	Dry						
	Depth to GW (ft)							
	Total Depth (ft)							
	DO (mg/L)							
	Temp (Deg.C)							
	pH							
	Sp Cond.							
	(mS/cm)							
	ORP (mV)							

Influence Readings:

Inchage Readings:	
Time:	
SVE-10	Dry
Depth to GW (ft)	
Total Depth (ft)	

DO (mg/L)								
Temp (Deg.C)								
pH								
Sp Cond. (mS/cm)								
ORP (mV)								

REGENESIS INJECTIONS (Area 1)

Site: Former Kwik
Injection Address: 7287 Lowell Blvd., Westminster, CO
Date: 9/16/2019
Weather: 87 Degrees Partly Sunny
Diameter of Injection Point: 1.5 inches

Project No. 1-9996-9541ae

CGRS Technician: Aaron Lingwall
Regenesis Personnel: Kyle Everett
Injectate: Petrofix

Influence Readings:

Time:	9:15	10:30	11:45	13:30	15:00	15:45
Well SVE-4						
Depth to GW (ft)	11.51	3	6.75	8.3	4.2	4.35
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						

Time:	9:15	10:30	11:45	13:30	15:00	15:45
Well O-6						
Depth to GW (ft)	10.84	3	7.8	8.8	9.3	9.4
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						

Time:	9:15	10:30	11:45	13:30	15:00	15:45
Well O-7						
Depth to GW (ft)	11.73	11.45	10.91	5.5	0	
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						

Time:	9:15	10:30	11:45	13:30	15:00	15:45
Well O-8						
Depth to GW (ft)	11.19	11.08	10.9	10.59	8.8	8.7
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						

Sp Cond.	
(mS/cm)	
ORP (mV)	

Influence Readings:

Time:	
SVE-09	
Depth to GW (ft)	DRY
Total Depth (ft)	
DO (mg/L)	
Temp (Deg.C)	
pH	
Sp Cond.	
(mS/cm)	
ORP (mV)	

Influence Readings:

Time:	
SVE-10	
Depth to GW (ft)	DRY
Total Depth (ft)	
DO (mg/L)	
Temp (Deg.C)	
pH	
Sp Cond.	
(mS/cm)	
ORP (mV)	

REGENESIS INJECTIONS (Area 2)

Site: Former Pik Kwik

Injection Address: 7287 Lowell Blvd., Westminster, CO

Date: 9/17/2019

Date: 3/1/2013 Weather: 85 Degrees Mostly Cloudy

Weather: 85 Degrees **Mostly Cloudy**
Diameter of injection Point: 1.5 inches

Project No. 1-9996-9541 ae

CGRS Technician: Aaron Jingwall

Beganesis Bersonnai: Kyle Everett

Regenesis Personnel: Kyle Everett
Injectate: Petrofix

Influence Readings:

Time:	8:15	11:00	13:15	14:30	15:45
Well CHMW-01A					
Depth to GW (ft)	16.89	10.82	7.3	11.4	9.7
Total Depth (ft)					
DO (mg/L)					
Temp (Deg.C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Time:	8:15	11:00	13:15	14:30	15:45
MW-14					
Depth to GW (ft)	16.75	16.45	15.9	16.15	16.28
Total Depth (ft)					
DO (mg/L)					
Temp (Deg.C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Time:	8:15	11:00	13:15	14:30	15:45
Well MW-16					
Depth to GW (ft)	16.28	15.2	15.7	15.55	15.78
Total Depth (ft)					
DO (mg/L)					
Temp (Deg.C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Influence Readings:

Time:	8:15	11:00	13:15	14:30	15:45
SVE-06					
Depth to GW (ft)	16.7	16.41	15.7	16.13	16.15
Total Depth (ft)					
DO (mg/L)					
Temp (Deg C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Influence Readings:

Time:	8:15	11:00	13:15	14:30	15:45
SVE-07					
Depth to GW (ft)	16.86	8.48	10.4	14.1	11.5
Total Depth (ft)					
DO (mg/L)					
Temp (Deg C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Influence Readings:

Time:	8:15	11:00	13:15	14:30	15:45
SVE-08					
Depth to GW (ft)	16.42				
Total Depth (ft)					
DO (mg/L)					
Temp (Deg C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

REGENESIS INJECTIONS (Area 2)

Site: Former Pik Kwik
Injection Address: 7287 Lowell Blvd., V
Date: 9/18/19
Weather: 80 Degrees Sunny
Diameter of Injection Point: 1.5 inches

Project No.: 1-9996-9541 ae

Injection Address: 7287 Lowell Blvd., Westminster, CO

Date: 9/18/19

Date: 9/18/19

Weather: 80 Degrees Sunny
Diameter of Injection Point: 1.5 inches

CGRS Technician: Aaron
Regenesis Personnel: Ky
Innectate: Petrofix

Influence Readings:

Time:	8:30	10:15	13:00	15:00	15:30
Well CHMW-01A					
Depth to GW (ft)	16.79	2.3	9.2	7.22	11.35
Total Depth (ft)					
DO (mg/L)					
Temp (Deg.C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Time:	8:30	10:15	13:00	15:00	15:30
MW-14					
Depth to GW (ft)	16.71	16.32	16.09	16.13	16.23
Total Depth (ft)					
DO (mg/L)					
Temp (Deg.C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Time:	8:30	10:15	13:00	15:00	15:30
Well MW-16					
Depth to GW (ft)	16.31	16.01	14.3	14.39	14.31
Total Depth (ft)					
DO (mg/L)					
Temp (Deg.C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Influence Readings:

Time:	8:30	10:15	13:00	15:00	15:30
SVE-06					
Depth to GW (ft)	16.62	16.16	16.14	16.14	16.18
Total Depth (ft)					
DO (mg/L)					
Temp (Deg.C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Influence Readings:

Time:	8:30	10:15	13:00	15:00	15:30
SVE-07					
Depth to GW (ft)	16.85	4.97	7.55	9.4	13.01
Total Depth (ft)					
DO (mg/L)					
Temp (Deg.C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

Influence Readings:

Time:	8:30	10:15	13:00	15:00	15:30
SVE-08					
Depth to GW (ft)	16.41		15.75	15.63	15.66
Total Depth (ft)					
DO (mg/L)					
Temp (Deg.C)					
pH					
Sp Cond. (mS/cm)					
ORP (mV)					

REGENESIS INJECTIONS (Area 2)

Site: Former Kwik
Injection Address: 7287 Lowell Blvd., Westminster, CO
Date: 9/19/2019
Weather: 85 Degrees Sunny
Diameter of Injection Point: 1.5 inches

Project No 1-996-9541 ae

CGRS Technician: Aaron Lingwall
Regenesis Personnel: Kyle Everett
Injectate: Petrofix

Influence Readings:

Time:	8:15	9:15	11:30	13:00	15:15	17:15
Well CHMW-01A						
Depth to GW (ft)	16.6	16.11			3.65	12.6
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						

Time:	8:15	9:15	11:30	13:00	15:15	17:15
MW-14						
Depth to GW (ft)	16.64	16.22	16.18	16.47	16.41	16.45
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						

Time:	8:15	9:15	11:30	13:00	15:15	17:15
Well MW-16						
Depth to GW (ft)	16.24	15.83	14.89	16.06	15.79	15.88
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						

Influence Readings:

Time:	8:15	9:15	11:30	13:00	15:15	17:15
SVE-06						
Depth to GW (ft)	16.54	16.01	16.19	16.1	16.19	16.38
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						

Influence Readings:

Time:	8:15	9:15	11:30	13:00	15:15	17:15
SVE-07						
Depth to GW (ft)	16.65	16.26	11.29	12.86	13.7	14.4
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						

Influence Readings:

Time:	8:15	9:15	11:30	13:00	15:15	17:15
SVE-08						
Depth to GW (ft)	16.36	15.94				15.45
Total Depth (ft)						
DO (mg/L)						
Temp (Deg.C)						
pH						
Sp Cond. (mS/cm)						
ORP (mV)						