EA Engineering, Science,
and Technology, Inc.

FINAL REMEDIATION PLAN. REVISION 1
MOBERG'S GARAGE AND TEXACO STATION
NEW MEXICO HIGHWAY 161
WATROUS, NEW MEXICO

PSTB FACILITY #'s: 29439/1869
RELEASE ID #'s: 1189/1623
WPID #'s: 4086/4091

Submitted to:
New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505

Submitted by:
EA Engineering, Science,
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Signed Electronically by
V. Mustafin on 06/01/2020

Distribution:

1 Copy Ms. Susan von Gonten, NMED PSTB
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June 2020

EA Project No. 6350901

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1.0 INTRODUCTION

1.1. Contractual

EA Engineering, Science, and Technology, Inc. PBC (EA) has prepared this Final Remediation Plan (FRP) to implement injection of Oxygen Release Compound Advanced® (ORC-A®) to address groundwater contamination at the Moberg's Garage and Texaco Station State Lead Site (the site) in Watrous, New Mexico. This revised FRP incorporates the newly presented September 2018 Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) data. The site layout is shown on Drawing G-1. The FRP has been prepared under Contract number 19-667-3200-0006 and in accordance with the New Mexico Petroleum Storage Tank Regulations 20.5.119.1923 NMAC and work plan identification (WPID) numbers 4086 and 4091, approved by the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) on September 26 and September 27, 2019, respectively.

1.2. Site Description

The Moberg's Garage and Texaco Station State Lead Site is located on the west side of New Mexico Highway 161 (NM 161) in Watrous, New Mexico (Drawing G-1). The Gallegos residence and Concord Street are located between the two sites, which are approximately 200 feet apart. Moberg's Garage remains an active automobile repair facility and the former Texaco Station is now the Moberg residence.

Adjacent properties are primarily residential to the north, west, and south; Burlington Northern Santa Fe (BNSF) railroad right-of-way (ROW) abuts NM 161 to the east. The Watrous Mutual Domestic Water Consumers' Association (MDWCA) North Supply Well is located approximately 500 feet east of Moberg's Garage at the base of the sandstone bluff (Drawing G-1). The MDWCA south supply well is located approximately 1,200 feet to the southwest.

A gas station was reportedly operated at the Moberg's Garage from 1927 to 1968. A release was confirmed during removal of the underground storage tanks (USTs) in May 1992. Billings and Associates, Inc. (BAI) conducted the on-site investigation at the Moberg's Garage Site (BAI 1998). The investigation revealed hydrocarbon contamination in subsurface soils throughout the site and nonaqueous-phase liquid (NAPL) was present in two monitoring wells.

Gasoline was dispensed from several small-volume USTs at the former Texaco Station until November 1992 when the last of the tanks were removed. A release was confirmed at that time. BAI conducted an on-site investigation in June 1999 that revealed high concentrations of hydrocarbon contamination in both soil and groundwater beneath the site.

After 1999, investigation and monitoring activities at the two sites were conducted concurrently. Additional investigations were conducted by BAI in 2001, 2002/2003, and 2007 that included in

the installation of 35 soil borings and 27 groundwater monitoring wells. In addition to drilling and well installation, BAI conducted a NAPL bail-down test in 2004 and an SVE pilot test in 2006. Groundwater monitoring was performed by BAI through 2009. In 2009, the two sites were designated as State Lead due to the presence of comingled dissolved-phase petroleum hydrocarbon plumes.

Golder Associates, Inc. (Golder) completed a monitoring well assessment and single groundwater monitoring event in March 2012. Golder reported a significant number of site wells as missing or destroyed, leaving the extent of hydrocarbon contamination in groundwater undefined.

In May 2015, Daniel B. Stephens & Associates, Inc. (DBS&A) was awarded a four-year contract for State Lead remediation services. In February 2016, they performed additional site investigation and baseline groundwater monitoring at the site. The investigation included well installation, indoor air sampling, and tap sampling. Between November 2016 and January 2017, four horizontal SVE wells and three horizontal air sparge wells were installed. The conveyance piping and remediation system was installed in January and February 2017, and remediation system shakedown and startup occurred in March 2017.

Quarterly operations and maintenance (O&M) and groundwater monitoring were conducted by DBS&A after system startup, with a temporary shutdown of the system after the second quarter of operation to evaluate options to improve air sparge performance. The system was restarted in March 2018 after modifications to the system were made to increase air sparge injection pressure and discharge extracted soil vapor directly to the atmosphere. The system was permanently shut down on March 5, 2019.

Between October 21 and 23, 2019, EA conducted baseline groundwater monitoring at the Moberg's Garage and Texaco Station site. Fluid levels were gauged in 28 site monitoring wells; groundwater samples were collected from 26 wells, the two MDWCA supply wells, and the Dominguez/Maldonado private well. The report was submitted to the NMED PSTB on December 10, 2019.

1.3. Site Geology and Hydrogeology

The site is located on the western edge of the High Plains physiographic province at an elevation of approximately 6,400 feet above mean sea level (feet msl). Watrous is located 20 miles northeast of Las Vegas, New Mexico within the Mora River watershed and lies within a broad alluvial valley near the confluence of the Sapello and Mora Rivers. The Sapello River is located approximately 800 feet west of the site and flows northward to merge with the larger Mora River, approximately 0.5 mile north of the site.

The surficial geology of the adjacent plateaus consists largely of weathered sedimentary rocks of the Cretaceous-age Dakota Group. Subsurface sediments at the site are composed primarily of clayey sand in the vadose zone and poorly sorted sand and gravelly sand below the water table. During additional site investigation, DBS&A (2016) found increasing occurrence of large gravel and cobbles throughout the site around 20 feet below ground surface (bgs), resulting in difficult drilling conditions at depth. Drilling refusal was encountered at approximately 19 to 21 feet bgs in borings installed by DBS&A. Clay and gravel lenses are encountered locally. A cross section showing the lithology of the alluvial sediments beneath the site and the extent of pre-remediation soils above 100 parts per million by volume (ppmv) based on data reported by BAI is presented in Drawing G-2. The thickness of the alluvial sediments under the site has not been determined but is greater than 32 feet based on the total depth of boreholes P-4 and P-1, installed by BAI (BAI 2007). Site geology in longitudinal section is shown in Drawing G-2.

Shallow groundwater at the site occurs within the sands and gravels of the alluvial sediments underlying the site. Groundwater at the site is unconfined, and the water table is typically encountered at depths of approximately 9 to 13 feet bgs. The groundwater gradient at the site is flat and the groundwater elevation varies by approximately one foot across the site. Between 1999 and 2007, the groundwater flow direction in the shallow aquifer varied from northwesterly to northeasterly. In October 2019, the groundwater flow direction was to the north-northeast at a gradient of 0.0025 foot per foot (ft/ft) (EA 2019). Groundwater gauging and water level data are provided in Table 1, and the October 2019 potentiometric surface map is shown on Drawing G-3.

Previously, Golder (2012) reported a groundwater flow direction to the east at a gradient of 0.003 ft/ft. This change in flow direction may have been due to pumping of the Watrous MDWCA North Supply Well, located to the east of the site. An easterly groundwater flow direction has not been observed since then.

Based on most of the historical data and the observed distribution of contaminants in soil and groundwater, the dominant groundwater flow direction at the site is to the north-northeast. This flow direction is consistent with the surface flow in the nearby Sapello River, 2016 through 2018 monitoring events conducted by DBS&A, and the 2019 monitoring event conducted by EA. All showed that the groundwater flow direction at the site was generally to the north at an average gradient of approximately 0.003 ft/ft (Drawing G-3). North of the site, DBS&A (2019) reported that the groundwater flows more northerly and the gradient increases slightly.

2.0 CONTAMINANT DISTRIBUTION

The primary contaminants of concern (COCs) at the site are petroleum hydrocarbons including benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary-butyl ether (MTBE), and total naphthalenes. Multiple investigations conducted at Moberg's Garage and Texaco Station

indicate that contaminated soil and groundwater are present beneath the two sites and extend off-site to the east and northeast.

2.1. Distribution of Contaminants in Soil

Soil contamination was documented during investigations conducted between 1998 and 2007 and refined in 2016 by DBS&A prior to implementing and operating the vent-sparge system. Based on performance assessment data provided in DBS&A's January 2019 Quarterly O&M and Monitoring Report (DBS&A 2019), vadose zone contamination has been, for the most part, cleaned up. The exception is suspected residual NAPL in a thin smear zone at the water table coincident with the solute plume "hot spots." These "hot spots" are defined currently by wells that formerly contained NAPL. These areas of former NAPL are the focus of the cleanup strategy presented in this FRP.

2.2. Nonaqueous-Phase Liquid

Historically, NAPL has been present in 10 site wells at thicknesses up to 1.33 feet. The wells that have historically contained NAPL include BMW-1 through BMW-7, and BMW-22 in the vicinity of Moberg's Garage and wells W-3 and BMW-9 in the vicinity of Texaco Station. The greatest NAPL thickness was measured in well BMW-3 in October 1998 during the initial on-site investigation at the Moberg's Garage Site. However, since 2007, no NAPL has been observed in BMW-3.

Up until 2006, the presence of NAPL in site wells was sporadic, and NAPL was not observed in any wells between 2007 and 2012. During the groundwater monitoring event conducted by Golder in 2012, 0.01 foot of NAPL was observed in well BMW-1 near Moberg's Garage, and in well W-3 near Texaco Station. Measurable NAPL accumulation has not been observed in any wells since 2012, which predates active remediation, and attests to the high natural attenuation capacity of the aquifer.

2.3. Distribution of Contaminants in Water

Cumulative contaminant concentration data are summarized in Tables 2 and 3. Actionable extents of dissolved-phase COCs (including benzene, ethylbenzene, total xylenes, and total naphthalenes) for the most recent monitoring event conducted in October 2019 are shown on Drawings G-4 and G-5. The colored contours shown for each COC represent the two "hot spots" at the site where dissolved-phase contamination remains above the applicable New Mexico Water Quality Control Commission (NMWQCC) standards. The benzene, ethylbenzene, and total xylenes "hot spots" are centered on wells BMW-1, BMW-2, and BMW-3 in the vicinity of Moberg's Garage. An ethylbenzene "hot spot" is also centered on well W-3 at Texaco Station. The total naphthalenes "hot spot" is more laterally extensive and incorporates wells BMW-1,

BMW-2, BMW-3, BMW-5R, and BMW-22 in the vicinity of Moberg's Garage and wells W-1 and W-3 at Texaco Station. It is important to note that although toluene did not exceed the standard in any wells during the November 2018 monitoring event, it did exceed the standard during the previous monitoring event in August 2018 in BMW-2 and BMW-3 at Moberg's Garage and in W-3 at Texaco Station. It is therefore still considered a COC in the two "hot spots" and will be addressed along with the other COCs in the remedial approach as discussed below. The current extent of actionable dissolved contaminants is shown on Drawings G-4 and G-5.

During the 2016 additional site investigation, seven direct-push borings were advanced on private property immediately east of the railroad ROW. Groundwater samples were collected from the Geoprobe borings and field screened using a field-portable gas chromatograph. Only one groundwater sample, collected northeast of DBS-4, indicated elevated dissolved-phase contamination.

The two Watrous MDWCA supply wells and the domestic well associated with the Dominguez and Maldonado residences and a sentinel well DBS-6 located between the residences have been sampled eight times since February 2016. Analytical results have been non-detect for all COCs.

In April 2020, NMED PSTB provided to EA additional BOD and COD data from the September 2018 sampling event. The BOD and COD are attributed to septic systems in the area. In the Moberg's portion of the plume, BOD averaged 268 milligrams per liter (mg/L) and COD averaged 473 mg/L. In the Texaco portion of the plume, BOD averaged 95 mg/L and COD averaged 161 mg/L. These data have been incorporated into this revised design. A summary of the results is provided in Table 4 and laboratory report is provided in Appendix A.

3.0 REMEDIATION GOALS

Remediation goals and cleanup standards include the following:

- Review of SVE data indicate remediation of the source (sorbed-phase) is complete, so no cleanup goals for soil are provided herein; and
- Remediation of groundwater will be to NMWQCC standards, including:
    - Benzene 5 µg/L
    - Toluene 1,000 µg/L
    - Ethylbenzene 700 µg/L
    - Total Xylenes 620 µg/L
    - Total Naphthalenes 30 µg/L

The active treatment zone (e.g., injection zone) has been established as 60 µg/L total naphthalenes. Solute contamination less than twice the cleanup goal will be allowed to attenuate after "hot spot" treatment is complete.

4.0 REMEDIATION APPROACH

4.1. Technical Approach

The current vent-sparge system had reached asymptotic effect on BTEX and total naphthalene concentrations in the "hot spots." Continuing this strategy does not appear viable as a means of achieving cleanup goals. However, the remaining "hot spots" are amenable to injection of aquifer amendment to either chemically oxidize the contamination, or to enhance in situ bioremediation. Based on characteristics of the hot spots, enhanced aerobic bioremediation is the preferred approach.

Chemical oxidation was not selected for the following reasons:

- It is typically applied in fresher source zones with substantially higher concentrations than the remaining plumes at Moberg's Garage and Texaco Station;
- Chemical oxidation usually requires direct contact with the contaminant and may require several injection events;
- With chemical oxidation, each treatment is relatively short-lived;
- Chemical oxidation can desorb contaminants from soil and increase solute concentrations in the short term.

Because the flux of aerobic groundwater is high, natural attenuation by aerobic biodegradation is ongoing and has been highly successful. Therefore, enhancing this process is a practicable approach. Injection of ORC-A® will provide adequate oxygen mass for a period of one year to degrade the remaining BTEX and total naphthalenes. Slow, sustained oxygen release by ORC-A® maintains elevated dissolved oxygen (DO) concentrations that are advected and dispersed into the contaminated aquifer matrix sustaining enhanced biodegradation of contamination. Therefore, ORC-A® injection does not rely on direct contact with contamination, as required during chemical oxidation treatment.

This approach is expected to complete the cleanup within the period of performance of the contract, even if a limited second injection is required at the end of year one. Overall, it is a cost-effective solution relative to drilling additional horizontal sparge wells.

Regenesis ORC-A® will be injected into the "hot spots" defined by two times the total naphthalenes standard (60 µg/L). In addition, as recommended by Regenesis, Regenox® Part-A will be injected in the Moberg's Garage plume contemporaneously pre-condition aquifer for aerobic degradation. Regenesis has developed dosage for each plume that was adopted in the design (Appendix B).

The ORC-A® will result in aerobic biodegradation of the "hot spots" in a minimally intrusive manner without the need for additional equipment, conveyance lines, and/or O&M. The existing vent-sparge system has completed its task and should be dismantled and plugged and abandoned prior to injection. Once the injections are complete, groundwater monitoring with a few added parameters for performance assessment of the aquifer amendments will be the only remaining action.

4.2. Design

The design was based on the results of groundwater sampling, the extent of total naphthalenes in groundwater, the vertical extent of contamination, and the use of a direct-push rig to advance injection rods and inject remediation fluids. Regenesis calculated the required total ORC-A® mass for each area and recommended application dosage of Regenox® Part A within the Moberg's Garage hot spot area. Provided below are the elements of the design.

- October 2019 baseline groundwater concentrations (EA 2019). The extent of dissolved contamination is shown on Drawings G-4 and G-5. The extent of active remediation was based on dissolved total naphthalene concentrations exceeding 60 µg/L, or twice the NMWQCC standard of 30 µg/L. For this criterion, the target extent for the northern "Moberg's Garage" hot spot was estimated at 8,000 square feet (SF) and the target extent for the southern "Texaco Station" hot spot was estimated at 2,500 SF. The extent of dissolved total naphthalene concentrations is shown on Drawing G-5.

- The baseline average concentrations of TPH, benzene, toluene, ethylbenzene, total xylenes, total naphthalenes (BTEXN) (Appendix C), metals, and BOD and COD concentrations (Table 4) were provided to Regenesis to calculate ORC-A® dosing (Appendix B). In addition, Regenesis recommended injecting 3 pounds (lbs) of Regenox® Part A at Moberg's garage hot spot area to pre-condition the aquifer for aerobic degradation of contaminant. Regenox® Part A will be mixed into the ORC-A® slurry and injected simultaneously.

- Groundwater occurs at approximately 9 to 13 feet bgs at the site. The target injection interval extends from the water table to 6 feet below the water table (Drawing G-2).

- The selected target ORC-A mass dose was set at 15.9 lb/ft at Moberg's Garage and at 15 lb/ft at Texaco Station (Table 5). Quantities vary slightly based on configuration of the injection points within the plume. Based on that, an injection plan was developed and is presented on Drawing C-1. The spacing of injection points may be adjusted after the first day based on field performance.

- A direct-push rig will be used to advance steel injection rods and inject remediation fluids using a sequential top-down approach to minimize short-circuiting between the injection intervals. A process flow diagram for injection is presented on Drawing P-1.

- The 25% solids slurry mix will be used to maximize distribution and influence. The ratio may be adjusted based on field performance. Table 5 presents the dosage.

- Based on manufacturer's data, ORC-A® will remain active for one-year and will result in sustainable and prolonged release of molecular oxygen to support elevated dissolved oxygen (DO) concentrations to degrade contamination using aerobic biodegradation.

- Advection and dispersion of elevated DO will be relied upon to distribute elevated DO throughout the area of active remediation.

Soil contamination has been addressed by the SVE system and no longer requires cleanup; therefore, it is not addressed by this plan.

5.0 REMEDIATION ELEMENTS

5.1. Selected Amendment

ORC-A® is a slow oxygen release compound designed specifically for enhanced, in situ aerobic bioremediation of petroleum hydrocarbons in groundwater. Once injected into groundwater, the ORC-A® becomes hydrated providing a controlled release of 17% by weight molecular oxygen. The ORC-A® is active for periods of up to 12 months. ORC-A® facilitates significantly faster and highly effective degradation of petroleum-contaminated sites. Manufacturer's specification sheets are included in Appendix D.

RegenOx® Part-A is an advanced chemical oxidant that destroys contaminants through controlled chemical oxidation consisting of a sodium percarbonate oxidizer complex. It will be used to pre-condition the aquifer at Moberg's Garage hot spot. Manufacturer's specification sheets are included in Appendix D.

5.2. Injection Plan

The following are the elements of the injection plan:

- In the Moberg's Garage hot spot area, Regenox® Part-A will be mixed into the ORC-A® slurry. The design demand of ORC-A® in the northern "Moberg's Garage" hot spot is 10,120 pounds (lbs) (Appendix B) and 318 lbs of Regenox® Part-A (Table 5).

- The design demand of ORC-A® in the southern "Texaco Station" hot spot is 1,840 lbs (Appendix B).

- The mixing will be 25% solids as per Regenesis specification (Appendix D). The 25% solids slurry is selected to maximize zone of injection influence and may be adjusted, if needed. Materials will be carefully measured, batched, and thoroughly mixed prior to injection. Because ORC-A® is a slurry, and can separate and/or settle, mixing will be in relatively small batches to facilitate rapid injection. Drawing P-1 provides the mixing diagram. Tables 5 provides mix details.

- Injection will be conducted using the top-down method to minimize short-circuiting between injection intervals. Injection will be initiated at the water table and injections will be performed sequentially, as rods are advanced to the bottom of the impacted zone at each point.

- Injection will be facilitated with a high-pressure pump capable of pumping the high solids slurry.

- Injection pressure and volume will be monitored and adjusted to optimize injection and subsurface distribution of fluids.

- Detailed logs of each batch and each injection will be maintained. A field form is provided in the Appendix E.

- Activities will be performed in accordance with the Health and Safety Plan (Appendix F).

5.3. Permits

For system construction, the following permits will be required:

- Right of Entry permit from New Mexico Department of Transportation (NMDOT);

- New Mexico Office of State Engineer (NMOSE) permit for direct-push injection soil borings;

- A Class V Underground Injection Control plan from the NMED Ground Water Quality Bureau (GWQB) (Appendix G). On February 13, 2020, this permit was filed with the NMED GWQB. Since then, EA has completed requirements for Public Notice and on May 19, 2020 submitted an affidavit of completion of Public Notice to the NMED GWQB. NMED PSTB had been copied on both submittals.

The NMDOT and NMOSE permits will be filed under the Phase 4 Implementation Work Plan.

5.4. Public Notice

As part of this FRP preparation, EA has submitted a public notice in accordance with 20.5.119.1923.D.10 NMAC. The public notice in both English and Spanish was published twice in the Las Vegas Optic, a publication of general circulation in Mora County, and published onsite and at the post office, and mailed a certified copy of the notice to the adjacent property. EA has provided affidavits of publishing to the NMED PSTB. A copy of the notice is provided in the Appendix H.

6.0 OPERATION, MAINTENANCE, AND MONITORING

Operation and maintenance (O&M) for in situ bioremediation is minimal, consisting of groundwater monitoring for solute concentrations and geochemical parameters and evaluation of Bio-Trap® samplers to verify microbial species and populations for performance assessment. The proposed groundwater monitoring and performance assessment regimen is provided in Table 6.

Data will be collected during O&M to evaluate the following factors:

- Chemical concentration trends;
- Geochemical parameters;
- Microbiological indicators;
- Progress towards achieving final site cleanup goals.

Groundwater monitoring will focus on analyte concentrations by analytical chemistry, geochemical parameters, and microbiological indicators. Groundwater monitoring will consist of the collection of contaminant concentration trend data and measurement of geochemical parameters via down-hole probe for DO, ORP, temperature, pH and specific conductance. In addition, following injection, three passive Bio-Trap® samplers will be installed in BMW-1, BMW-3, and W-3 to evaluate microbiological indicators. Bio-Trap® samplers will be analyzed at 6-months and 12-months post injection. Bio-Trap® specifications are provided in Appendix D.

Contaminant concentrations, geochemical parameters, and Bio-Trap® data will used in performance assessment. Performance assessment will be reported on a quarterly basis and will include the following:

- Groundwater quality data and analysis;
- Evaluation of contaminant concentration trends;
- A summary of O&M activities; and
- Recommendations.

Based on performance assessment, additional treatment of recalcitrant areas may be considered.

Sampling media, sample locations, analyses, analytical methods, and sampling frequency are provided in Table 6.

7.0 SCHEDULE FOR IMPLEMENTATION

The implementation schedule for the FRP is provided in Appendix I.

7.1. Implementation

The implementation of the FRP will include injection of ORC-A® and Regenox Part-A® in the locations shown on Drawing C-1, into the target injection interval shown on Drawing G-2, and batch mixed and injected following the Process Flow Diagram shown on Drawing P-1. Numerous injections are located in NMDOT right of way and a right of entry permit will be required and a traffic plan that facilitates single lane closures will be implemented. If NMDOT does not grant access, injection locations will be adjusted. Mixing and injection of ORC-A® will be in accordance with manufacturer specifications provided in Appendix D.

7.2. Final Site Inspection

Upon completion of the injections, a final site inspection will be performed by all involved parties, including the NMED PSTB project manager to ensure the site has been adequately restored. Any deficiencies observed during the site inspection will be noted and corrected.

7.3. As-Built Report

After the injections are complete, EA will prepare an As-Built report to document the implementation of the FRP. The report will be prepared by or under the direct supervision of and sealed by Vener Mustafin, PE. The report will provide details of the injections and the mass and volume injected. The As-Built report will meet the applicable requirements of 20.5.12.119.1925.D NMAC.

8.0 ANNUAL EVALUATION OF REMEDIATION

In accordance with 20.5.12.119.1927 NMAC, the effectiveness of the injection will be evaluated at the end of the first year of O&M. The evaluation will contain analysis of the trend of contaminant concentrations in groundwater, project trends for contaminant concentration decline, evaluate the effectiveness of the remediation based on system performance, provide an estimated time to achieve remediation goals, and provide recommendations for remediation enhancements. Optimization of remediation and contingency measures that may be triggered by the annual evaluation of remediation are provided in Table 7.

9.0 REFERENCES

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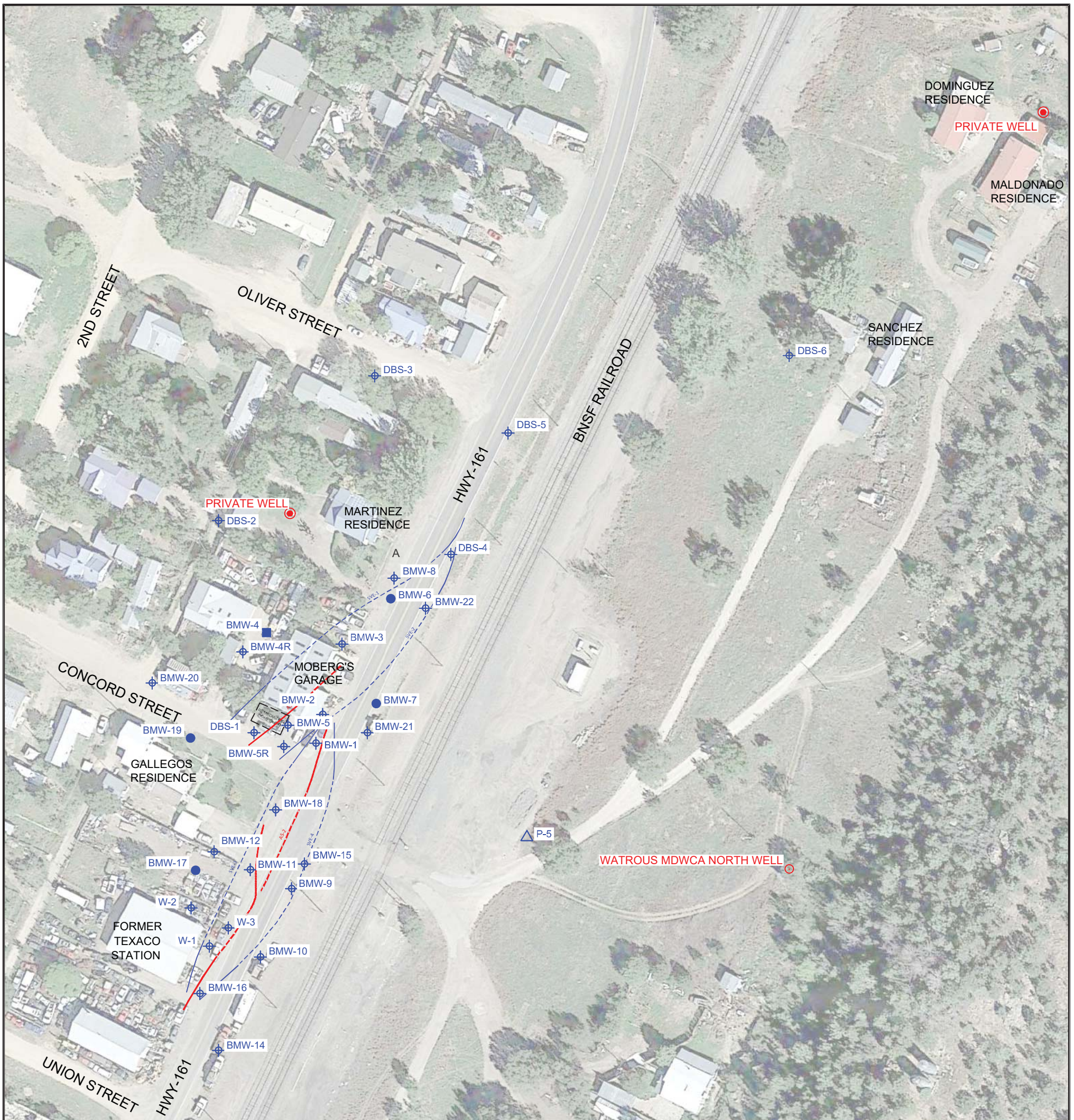
DRAWINGS

P:\Active Projects\PSTB State lead\Moberg's Garage_Texaco Station\Reports\4086-1 Final Remediation Plan\Figures



LEGEND:

- MONITORING WELL
- SUPPLY WELL
- PIEZOMETER
- PRIVATE WELL
- WELL LOST AND/OR PRESUMED DESTROYED
- WELL PLUGGED AND ABANDONED
- HORIZONTAL AIR SPARGE WELL (SCREENED WHERE DASHED)
- HORIZONTAL SVE WELL (SCREENED WHERE DASHED)

N

100 50 0 100

SCALE IN FEET

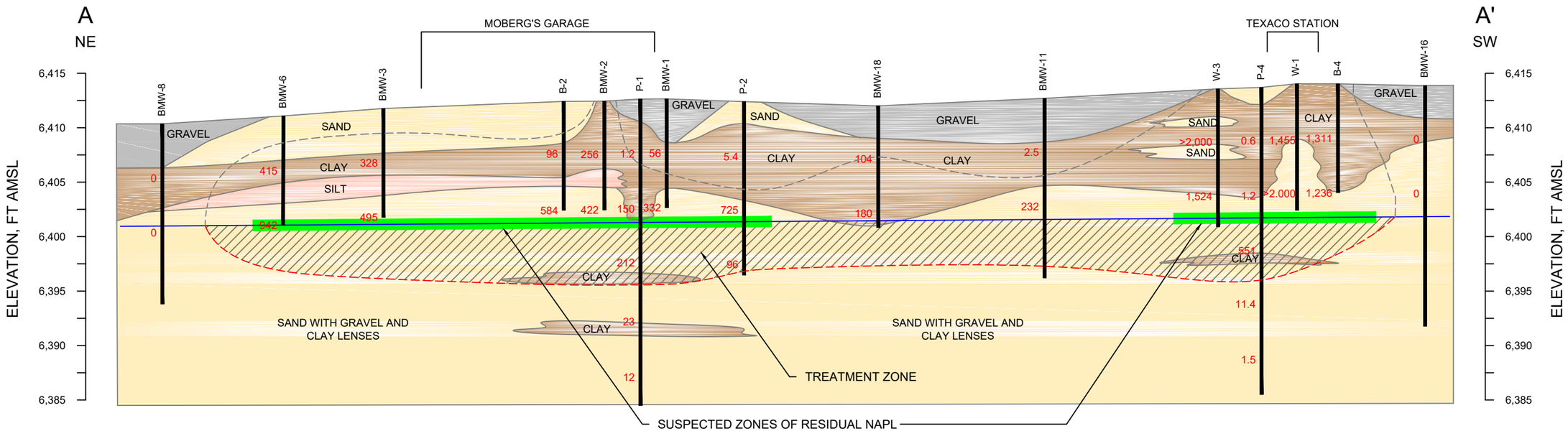
MOBERG'S GARAGE AND TEXACO STATION
WATROUS, NEW MEXICO

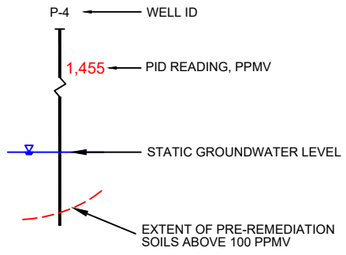
DRAWING G-1
SITE LAYOUT

PROJECT #:	6350901	PROJECT PHASE:	03	PROJECT MANAGER:	MM

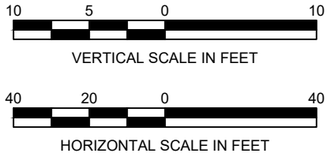
320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC





PID = PHOTOIONIZATION DETECTOR
PPMV = PARTS PER MILLION BY VOLUME
FT AMSL = FEET ABOVE MEAN SEA LEVEL
NAPL = NON-AQUEOUS PHASE LIQUID



SOURCE: DBS&A

MOBERG'S GARAGE AND TEXACO STATION
WATROUS, NEW MEXICO

DRAWING G-2
LONGITUDINAL SECTION SHOWING INJECTION ZONE

PROJECT #:	6320901	Phase 03	PROJECT MANAGER: MM

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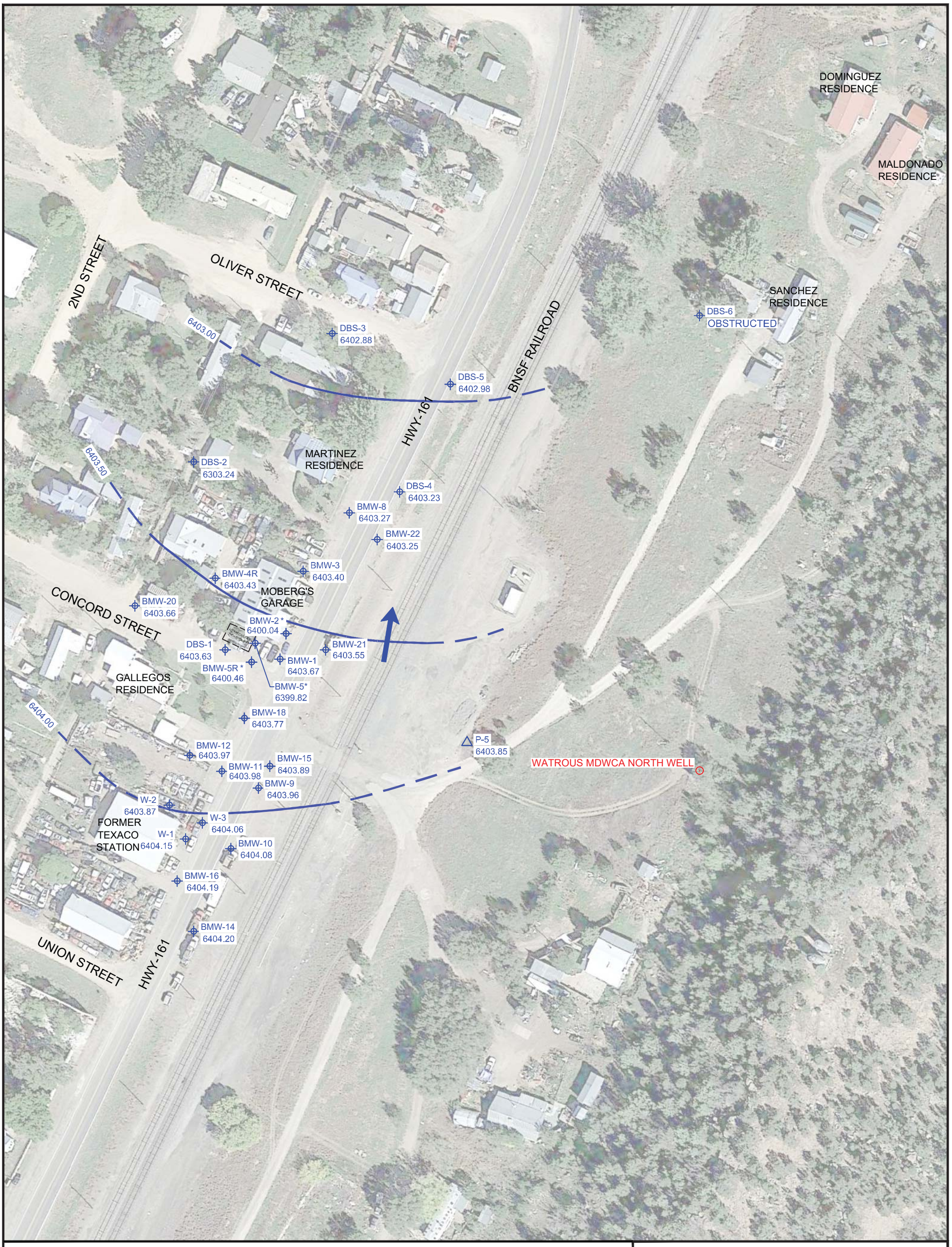


LEGEND:

- BMW-14 6404.20 — MONITORING WELL DESIGNATION WITH POTENTIOMETRIC SURFACE ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
- SUPPLY WELL
- PIEZOMETER
- 6404.00 — POTENTIOMETRIC SURFACE ELEVATION CONTOUR (FT AMSL)
- * — WELL NOT USED IN CONTOURING
- DIRECTION OF GROUNDWATER FLOW

N

100 50 0 100

SCALE IN FEET

MOBERG'S GARAGE AND TEXACO STATION
WATROUS, NEW MEXICO

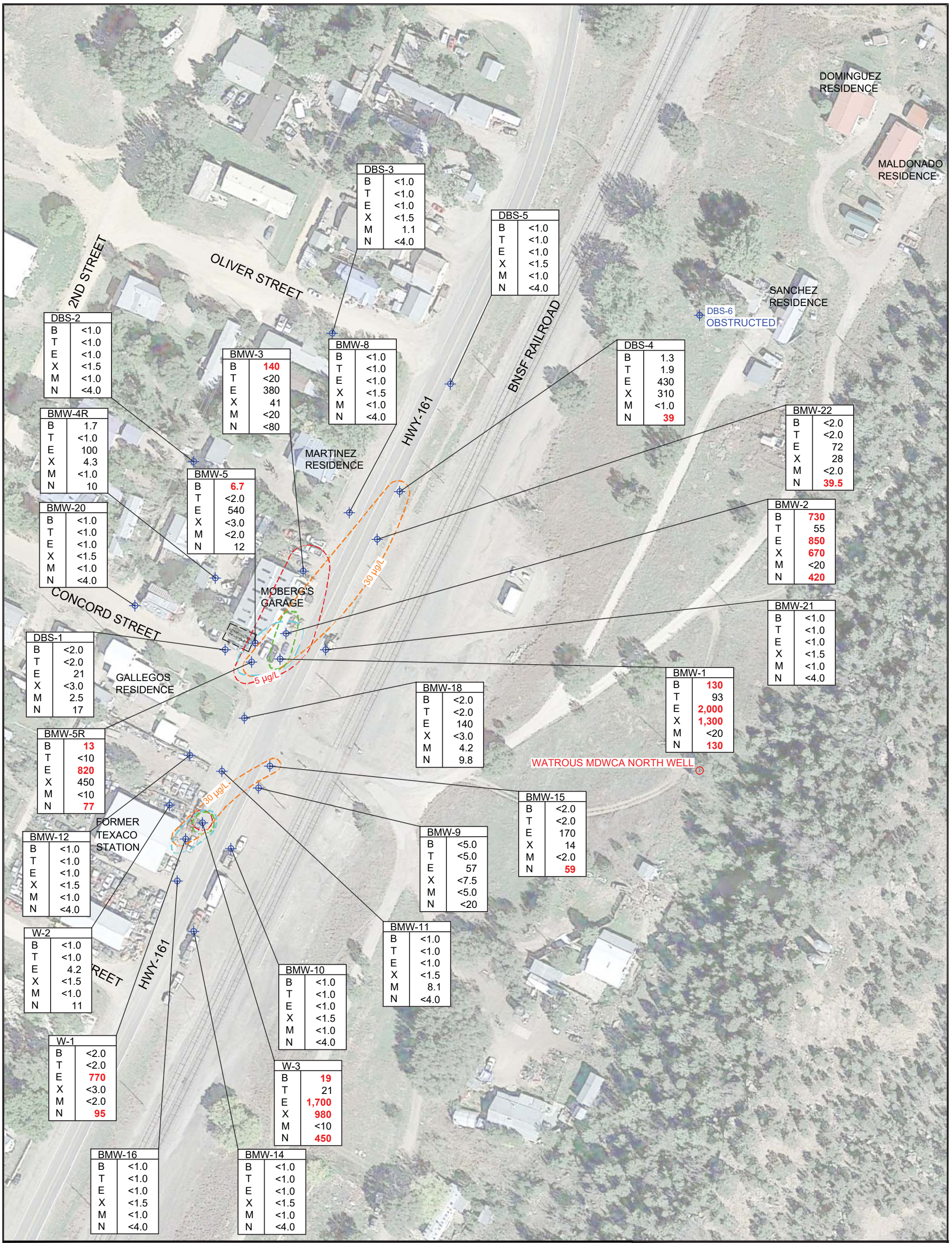
DRAWING G-3
POTENTIONMETRIC SURFACE MAP
OCTOBER 2019

PROJECT #:	6350901	PROJECT PHASE:	03	PROJECT MANAGER:	MM

320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC

P:\Active Projects\PSTB State lead\Moberg's Garage_Texaco Station\Reports\4086-1 Final Remediation Plan\Figures



LEGEND:

- MONITORING WELL
- SUPPLY WELL
- ESTIMATED EXTENT OF BENZENE (5 µg/L) ABOVE NMWQCC STANDARD
- ESTIMATED EXTENT OF TOTAL NAPTHALENES (30 µg/L) ABOVE NMWQCC STANDARD
- ESTIMATED EXTENT OF ETHYLBENZENE (700 mg/L) ABOVE NMWQCC STANDARD
- ESTIMATED EXTENT OF TOTAL XYLENES (630 µg/L) ABOVE NMWQCC STANDARD

NOTES:

B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
M	METHYL TERTIARY-BUTLY ETHER
N	TOTAL NAPHTHALENES
NMWQCC	NEW MEXICO WATER QUALITY CONTROL COMMISSION
µg/L	MICROGRAMS PER LITER
mg/L	MILLIGRAMS PER LITER

BOLD INDICATES CONCENTRATION ABOVE NMWQCC STANDARD.

100 50 0 100

SCALE IN FEET

MOBERG'S GARAGE AND TEXACO STATION
WATROUS, NEW MEXICO

DRAWING G-4
DISTRIBUTION OF DISSOLVED - PHASE HYDROCARBONS
OCTOBER 2019

PROJECT #:	6350901	PROJECT PHASE:	03	PROJECT MANAGER:	MM

320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013
EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC

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LEGEND:

MONITORING WELL
WITH TOTAL NAPHTHALENE CONCENTRATIONS
IN MICROGRAMS PER LITER

TOTAL NAPHTHALENE CONCENTRATION RANGES

- 60 - 120
- 120 - 240
- > 240

N

100 50 0 100

SCALE IN FEET

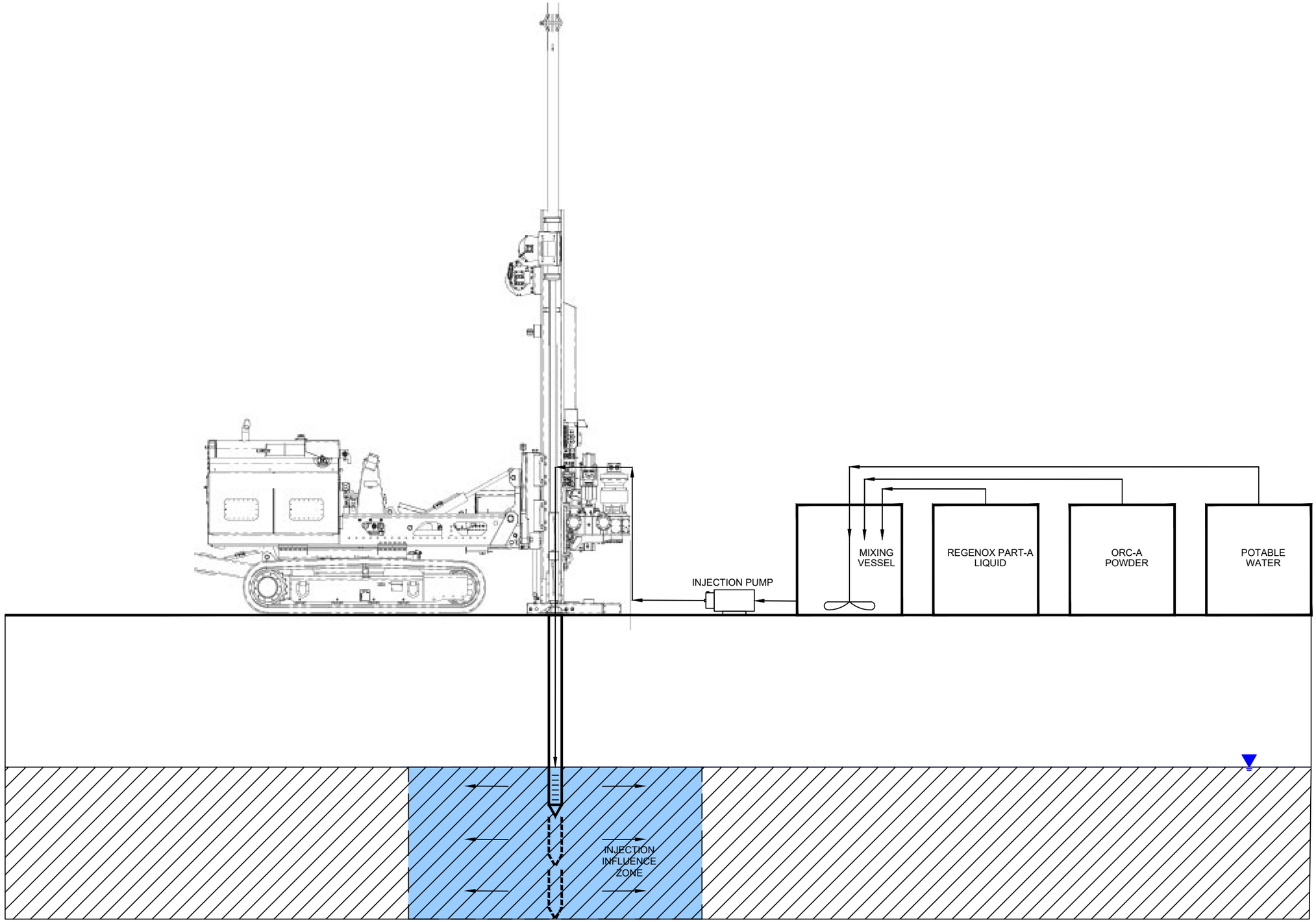
MOBERG'S GARAGE AND TEXACO STATION
WATROUS, NEW MEXICO

DRAWING G-5
TOTAL NAPHTHALENES CONCENTRATIONS IN GROUNDWATER
OCTOBER 2019

PROJECT #:	6350901	PROJECT PHASE:	03	PROJECT MANAGER:	MM

320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC



REV	DATE	DRAWN	CHECKED	REMARKS
0	02/212/20	VM	JS	4086-1 FINAL REMEDIATION PLAN
0	06/01/20	VM		REVISION 1

REVISIONS

320 Gold Avenue, SW Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013
Fax: (505) 224-9016
EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

MOBERG'S GARAGE AND TEXACO STATION
FINAL REMEDIATION PLAN
WATROUS, NEW MEXICO

PROCESS FLOW DIAGRAM FOR INJECTION

PROJECT NUMBER:
6350901

DRAWING NO.:
P-1

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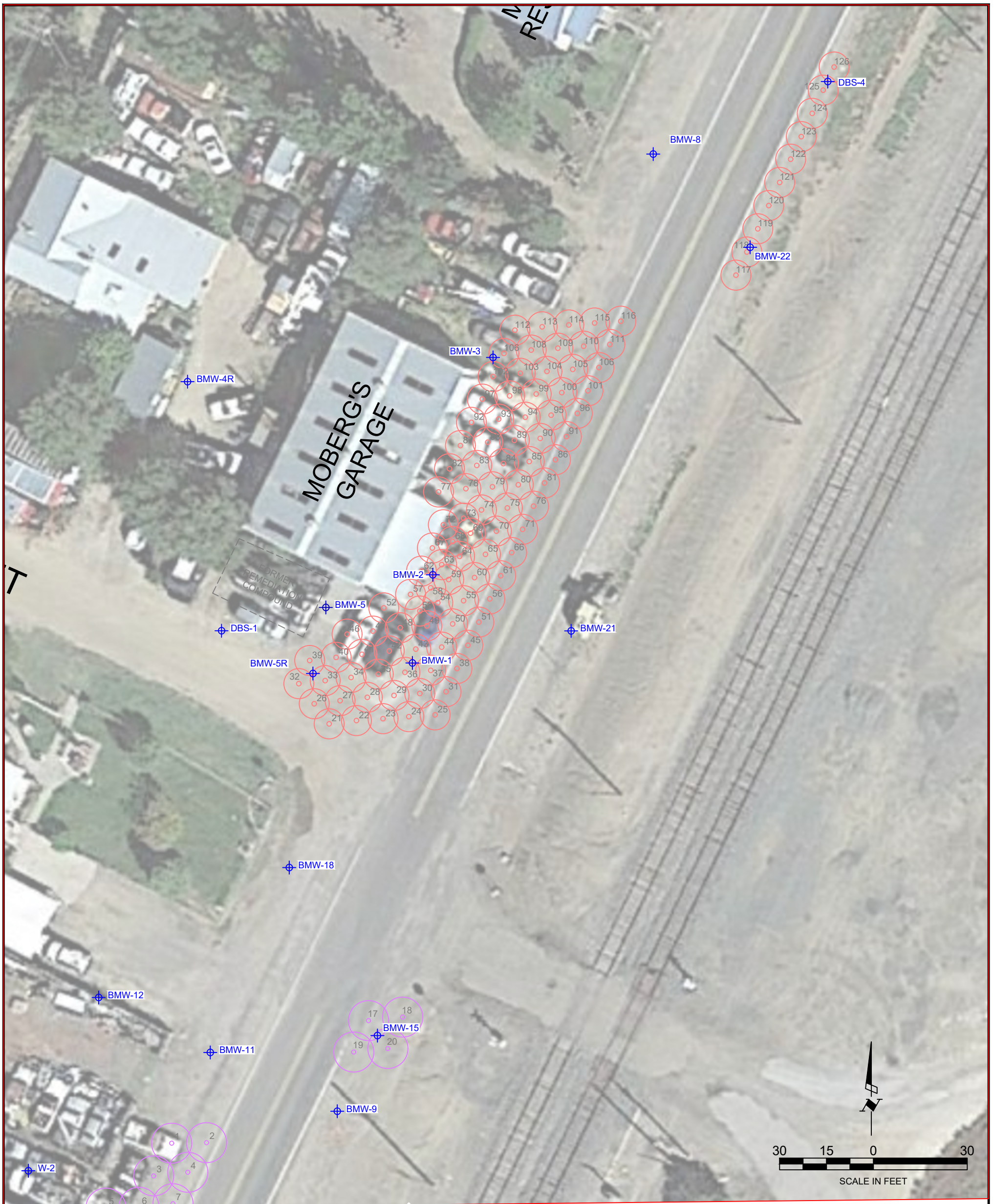

VENER M. MUSTAFIN
SIGNED ELECTRONICALLY
ON JUNE 1, 2020.

VENER M. MUSTAFIN NEW MEXICO 17630 LICENSED PROFESSIONAL ENGINEER

LEGEND:

- MONITORING WELL
- INJECTION POINT WITH RADIUS OF INFLUENCE OF 4.9 FEET WITH SPACING OF 8.5 FEET
- INJECTION POINT WITH RADIUS OF INFLUENCE OF 6.4 FEET WITH SPACING OF 11.1 FEET

NOTES:

1. POINT LOCATIONS MAY BE ADJUSTED BASED ON CONFLICT WITH THE EXISTING STRUCTURES AND UTILITIES.
2. POINT SPACING MAY BE ADJUSTED BASED ON INJECTION PERFORMANCE.

DRAWING NO.: C-1

PROJECT NUMBER: 6350901

MOBERG'S GARAGE AND TEXACO STATION
FINAL REMEDIATION PLAN
WATROUS, NEW MEXICO

INJECTION PLAN

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.
320 Gold Avenue, SW Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013
Fax: (505) 224-9016

REV	DATE	DRAWN	CHECKED	REMARKS
0	02/20/20	VM	JS	4086-1 FINAL REMEDIATION PLAN
1	06/01/20	VM	JS	REVISED BASED ON NEW BOD/COD DATA

REVISIONS

TABLES

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-1	10/21/2019	6416.13	---	0.00	12.46	6403.67
	2/11/2019		---	0.00	10.66	6405.47
	11/13/2018		---	0.00	11.90	6404.23
	9/12/2018		---	0.00	12.23	6403.90
	8/9/2018		---	0.00	11.93	6404.20
	4/30/2018		---	0.00	9.95	6406.18
	1/3/2018		---	0.00	9.64	6406.49
	7/25/2017		---	0.00	11.72	6404.41
	4/17/2017		---	0.00	10.31	6405.82
	11/9/2016		---	0.00	11.43	6404.70
	2/15/2016		---	0.00	10.70	6405.43
	12/1/2015		---	0.00	11.47	6404.66
	3/29/2012		11.02	0.01	11.03	6405.11
	10/4/2009		---	0.00	9.97	6406.16
	12/4/2008		---	0.00	8.84	6407.29
	7/29/2008		---	0.00	10.34	6405.79
	4/1/2008		---	0.00	10.45	6405.68
	10/17/2007		---	0.00	12.23	6403.90
	7/25/2007		---	0.00	11.07	6405.06
	3/14/2007		---	0.00	10.66	6405.47
	12/13/2006		11.25	0.03	11.28	6404.87
	9/11/2006		---	0.00	11.96	6404.17
	6/7/2006		---	0.00	11.32	6404.81
	1/11/2006		---	0.00	10.62	6405.51
	10/11/2005		---	0.00	11.42	6404.71
	8/4/2005		---	0.00	11.81	6404.32
	5/5/2005		---	0.00	10.09	6406.04
	1/10/2005		---	0.00	11.00	6405.13
	10/13/2004		---	0.00	12.40	6403.73
	7/8/2004		---	0.00	12.40	6403.73
	10/12/2003		13.53	0.02	13.55	6402.60
	6/21/2003		---	0.00	12.12	6404.01
	3/12/2003		11.49	0.13	11.62	6404.61
	12/13/2002		12.30	0.08	12.38	6403.81
	1/24/2002		---	0.00	11.42	6404.71
	11/20/2001		11.97	0.04	12.01	6404.15
	8/25/2001		12.40	0.02	12.42	6403.73
	3/24/2001		---	0.00	10.70	6405.43
BMW-2	10/21/2019	6412.43	---	0.00	12.39	6400.04
	2/11/2019		---	0.00	10.64	6401.79
	11/13/2018		---	0.00	11.86	6400.57

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-2 (cont.)	9/12/2018		---	0.00	12.23	6400.2
	8/9/2018		---	0.00	11.94	6400.49
	5/2/2018		---	0.00	9.79	6402.64
	12/1/2015		Well not located - presumed destroyed			
	3/29/2012		---	0.00	10.81	6401.62
	10/4/2009		---	0.00	11.52	6400.91
	12/4/2008		---	0.00	10.31	6402.12
	7/29/2008		---	0.00	10.28	6402.15
	4/1/2008		---	0.00	10.34	6402.09
	10/17/2007		---	0.00	12.15	6400.28
	7/25/2007		---	0.00	10.99	6401.44
	3/14/2007		---	0.00	10.55	6401.88
	12/13/2006		---	0.00	11.19	6401.24
	9/11/2006		11.88	0.03	11.91	6400.55
	6/7/2006		---	0.00	11.24	6401.19
	1/11/2006		---	0.00	10.50	6401.93
	10/11/2005		---	0.00	11.30	6401.13
	8/4/2005		---	0.00	11.78	6400.65
	5/5/2005		---	0.00	9.96	6402.47
	1/11/2005		---	0.00	10.84	6401.59
	10/15/2004		---	0.00	12.24	6400.19
	7/8/2004		12.26	0.19	12.45	6400.14
	4/11/2004		11.33	0.10	11.43	6401.08
	10/12/2003		13.34	0.13	13.47	6399.06
	6/21/2003		11.89	0.08	11.97	6400.52
	3/12/2003		11.32	0.08	11.40	6401.09
	12/12/2002		12.08	0.08	12.16	6400.33
	1/24/2002		11.47	0.04	11.51	6400.95
	11/20/2001		12.14	0.08	12.22	6400.27
	8/25/2001		---	0.00	12.44	6399.99
	3/24/2001		NA	0.04	NA	NA
BMW-3	10/21/2019	6415.41	---	0.00	12.01	6403.40
	2/11/2019		---	0.00	10.48	6404.93
	11/13/2018		---	0.00	11.58	6403.83
	9/12/2018		---	0.00	11.86	6403.55
	8/9/2018		---	0.00	11.61	6403.80
	4/30/2018		---	0.00	9.55	6405.86
	1/3/2018		---	0.00	9.15	6406.26
	7/25/2017		---	0.00	11.40	6404.01
	4/17/2017		---	0.00	9.70	6405.71
	11/9/2016		---	0.00	10.97	6404.44

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-3 (cont.)	2/15/2016		---	0.00	10.29	6405.12
	12/1/2015		---	0.00	10.80	6404.61
	12/2/2012		11.74	0.13	11.87	6403.64
	3/30/2012		---	0.00	10.33	6405.08
	10/4/2009		---	0.00	9.63	6405.78
	12/4/2008		---	0.00	8.72	6406.69
	7/29/2008		Well not located			
	4/1/2008		---	0.00	9.96	6405.45
	10/17/2007		---	0.00	11.76	6403.65
	7/25/2007		---	0.00	10.60	6404.81
	3/14/2007		---	0.00	10.20	6405.21
	12/12/2006		10.79	0.04	10.83	6404.61
	9/11/2006		---	0.00	11.55	6403.86
	6/7/2006		---	0.00	10.86	6404.55
	1/11/2006		---	0.00	10.17	6405.24
	10/11/2005		---	0.00	11.01	6404.40
	8/4/2005		---	0.00	11.33	6404.08
	5/5/2005		---	0.00	9.61	6405.80
	7/9/2004		13.04	0.04	13.08	6402.36
	4/12/2004		---	0.00	10.97	6404.44
	10/12/2003		13.28	0.04	13.32	6402.12
	6/21/2003		11.54	0.08	11.62	6403.85
	3/12/2003		11.48	0.08	11.56	6403.91
	3/24/2001		---	0.00	10.26	6405.15
BMW-4	5/4/2005	6412.38	Well plugged and abandoned			
	4/12/2004		---	0.00	11.28	6401.10
	10/12/2003		13.02	0.04	13.06	6399.35
	6/21/2003		12.03	0.04	12.07	6400.34
	3/12/2003		---	0.00	11.44	6400.94
	12/13/2002		12.10	0.06	12.16	6400.27
	1/24/2002		11.39	0.04	11.43	6400.98
	11/20/2001		11.97	0.04	12.01	6400.40
	8/25/2001		12.23	0.02	12.25	6400.15
	3/24/2001		---	0.00	10.53	6401.85
	4/7/1999		---	0.00	10.87	6401.51
BMW-4R	10/21/2019	6415.96	---	0.00	12.53	6403.43
	2/11/2019		---	0.00	10.72	6405.24
	11/13/2018		---	0.00	11.92	6404.04
	8/8/2018		---	0.00	12.01	6403.95
	4/30/2018		---	0.00	10.06	6405.90
	1/3/2018		---	0.00	9.78	6406.18

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-4R (cont.)	7/25/2017		---	0.00	11.97	6403.99
	4/17/2017		---	0.00	10.34	6405.62
	11/9/2016		---	0.00	11.48	6404.48
	2/15/2016		---	0.00	10.68	6405.28
	12/1/2015		---	0.00	11.25	6404.71
	3/29/2012		---	0.00	10.42	6405.54
	10/4/2009		---	0.00	11.38	6404.58
	12/4/2008		---	0.00	10.27	6405.69
	7/29/2008		---	0.00	10.26	6405.70
	4/1/2008		---	0.00	10.33	6405.63
	10/17/2007		Well not located			
	7/25/2007		---	0.00	11.19	6404.77
	3/14/2007		Well not located			
	12/13/2006		---	0.00	11.20	6404.76
	9/11/2006		---	0.00	11.94	6404.02
	6/7/2006		---	0.00	11.26	6404.70
	1/11/2006		---	0.00	10.67	6405.29
	10/11/2005		---	0.00	11.49	6404.47
	8/4/2005		---	0.00	11.85	6404.11
	5/5/2005		---	0.00	10.09	6405.87
BMW-5	10/21/2019	6412.62	---	0.00	12.80	6399.82
	2/11/2019		---	0.00	11.03	6401.59
	11/13/2018		---	0.00	12.29	6400.33
	8/9/2018		---	0.00	12.35	6400.27
	4/30/2018		---	0.00	10.30	6402.32
	1/3/2018		---	0.00	9.96	6402.66
	7/25/2017		---	0.00	12.10	6400.52
	4/17/2017		---	0.00	10.63	6401.99
	1/20/2017		---	0.00	10.97	6401.65
	5/4/2005		Well not located - presumed destroyed			
	12/13/2002		12.30	0.08	12.38	6400.30
	1/24/2002		11.41	0.03	11.44	6401.20
	11/20/2001		12.12	0.06	12.18	6400.49
	8/25/2001		12.37	0.02	12.39	6400.25
	3/24/2001		---	0.00	10.74	6401.88
	4/7/1999		---	0.00	11.17	6401.45
BMW-5R	10/21/2019	6412.65	---	0.00	12.19	6400.46
	2/11/2019		---	0.00	10.42	6402.23
	11/13/2018		---	0.00	11.65	6401.00
	9/12/2018		---	0.00	11.96	6400.69
	8/9/2018		---	0.00	11.70	6400.95

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-5R (cont.)	4/30/2018		---	0.00	9.70	6402.95
	1/3/2018		---	0.00	9.38	6403.27
	7/25/2017		---	0.00	11.46	6401.19
	4/17/2017		---	0.00	10.04	6402.61
	1/20/2017		---	0.00	10.36	6402.29
	12/1/2015		Well not located - presumed destroyed			
	3/29/2012		Well not located			
	10/4/2009		---	0.00	11.43	6401.22
	12/4/2008		---	0.00	10.31	6402.34
	7/29/2008		---	0.00	10.26	6402.39
	4/1/2008		---	0.00	10.37	6402.28
	10/17/2007		---	0.00	12.20	6400.45
	7/25/2007		---	0.00	11.06	6401.59
	3/14/2007		---	0.00	10.61	6402.04
	12/13/2006		---	0.00	11.27	6401.38
	9/11/2006		---	0.00	11.95	6400.70
	6/7/2006		---	0.00	11.33	6401.32
	10/11/2005		---	0.00	11.43	6401.22
	8/4/2005		---	0.00	11.79	6400.86
	5/5/2005		---	0.00	10.04	6402.61
BMW-6	12/1/2015	6411.04	Well not located - presumed destroyed			
	5/4/2005		Well not located			
	3/12/2003		10.25	0.13	10.38	6400.76
	12/13/2002		10.95	0.08	11.03	6400.07
	1/24/2002		10.06	0.06	10.12	6400.97
	11/20/2001		10.37	0.25	10.62	6400.61
	8/25/2001		NA	0.04	NA	NA
	3/24/2001		---	0.00	9.48	6401.56
	4/7/1999		---	0.00	10.03	6401.01
BMW-7	12/1/2015	6411.81	Well not located - presumed destroyed			
	3/29/2012		Well not located			
	10/4/2009		---	0.00	11.82	6399.99
	12/4/2008		---	0.00	10.13	6401.68
	7/29/2008		---	0.00	10.10	6401.71
	4/1/2008		---	0.00	9.91	6401.90
	10/17/2007		---	0.00	11.95	6399.86
	7/25/2007		---	0.00	10.53	6401.28
	3/14/2007		---	0.00	10.09	6401.72
	12/13/2006		---	0.00	10.74	6401.07
	9/11/2006		---	0.00	11.38	6400.43
	6/7/2006		---	0.00	10.79	6401.02

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-7 (cont.)	1/11/2006		---	0.00	10.07	6401.74
	10/11/2005		---	0.00	10.83	6400.98
	8/4/2005		---	0.00	11.21	6400.60
	5/5/2005		---	0.00	9.50	6402.31
	1/11/2005		---	0.00	10.41	6401.40
	10/15/2004		---	0.00	11.72	6400.09
	7/8/2004		---	0.00	11.80	6400.01
	10/12/2003		12.98	0.02	13.00	6398.83
	6/21/2003		---	0.00	11.50	6400.31
	3/12/2003		10.45	0.13	10.58	6401.33
	12/13/2002		11.65	0.08	11.73	6400.14
	1/24/2002		---	0.00	10.88	6400.93
	11/20/2001		11.47	0.21	11.68	6400.29
	8/25/2001		11.52	0.04	11.56	6400.28
	3/24/2001		---	0.00	10.16	6401.65
	4/7/1999		---	0.00	10.68	6401.13
BMW-8	10/21/2019	6413.80	---	0.00	10.53	6403.27
	2/11/2019		---	0.00	8.78	6405.02
	11/13/2018		---	0.00	9.99	6403.81
	8/9/2018		---	0.00	10.11	6403.69
	4/30/2018		---	0.00	8.11	6405.69
	1/3/2018		---	0.00	7.75	6406.05
	7/25/2017		---	0.00	9.98	6403.82
	4/17/2017		---	0.00	8.44	6405.36
	11/9/2016		---	0.00	9.52	6404.28
	2/15/2016		---	0.00	8.80	6405.00
	12/1/2015		---	0.00	9.40	6404.40
	3/29/2012		Well not located			
	10/4/2009		---	0.00	9.76	6404.04
	12/4/2008		---	0.00	8.74	6405.06
	7/29/2008		---	0.00	8.73	6405.07
	4/1/2008		---	0.00	8.53	6405.27
	10/17/2007		---	0.00	10.31	6403.49
	7/25/2007		---	0.00	9.23	6404.57
	3/14/2007		---	0.00	8.73	6405.07
	12/13/2006		---	0.00	9.33	6404.47
	9/11/2006		---	0.00	10.04	6403.76
	6/7/2006		---	0.00	9.44	6404.36
	1/11/2006		---	0.00	8.72	6405.08
	10/11/2005		---	0.00	9.52	6404.28
	8/4/2005		---	0.00	9.91	6403.89

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-8 (cont.)	5/5/2005		---	0.00	8.14	6405.66
	1/11/2005		---	0.00	9.02	6404.78
	10/15/2004		---	0.00	10.38	6403.42
	7/8/2004		---	0.00	10.45	6403.35
	4/11/2004		---	0.00	9.44	6404.36
	10/12/2003		---	0.00	11.62	6402.18
	6/21/2003		---	0.00	10.29	6403.51
	3/12/2003		---	0.00	9.66	6404.14
	12/13/2002		---	0.00	10.49	6403.31
	1/24/2002		---	0.00	9.57	6404.23
	11/20/2001		---	0.00	10.35	6403.45
	8/25/2001		---	0.00	10.33	6403.47
	3/24/2001		---	0.00	8.18	6405.62
BMW-9	10/21/2019	6416.82	---	0.00	12.86	6403.96
	2/11/2019		---	0.00	11.06	6405.76
	11/13/2018		---	0.00	12.31	6404.51
	8/9/2018		---	0.00	12.45	6404.37
	4/30/2018		---	0.00	10.39	6406.43
	1/3/2018		---	0.00	10.07	6406.75
	7/25/2017		---	0.00	12.15	6404.67
	4/17/2017		---	0.00	10.79	6406.03
	11/9/2016		---	0.00	11.86	6404.96
	2/15/2016		---	0.00	11.15	6405.67
	12/1/2015		---	0.00	11.77	6405.05
	3/29/2012		---	0.00	11.56	6405.26
	10/4/2009		---	0.00	11.90	6404.92
	12/4/2008		---	0.00	10.87	6405.95
	7/29/2008		---	0.00	10.85	6405.97
	4/1/2008		---	0.00	10.85	6405.97
	10/16/2007		---	0.00	12.59	6404.23
	7/25/2007		---	0.00	11.41	6405.41
	3/13/2007		---	0.00	11.04	6405.78
	12/12/2006		---	0.00	11.72	6405.10
	9/11/2006		---	0.00	12.33	6404.49
	6/6/2006		---	0.00	11.71	6405.11
	1/10/2006		---	0.00	10.99	6405.83
	10/11/2005		---	0.00	11.77	6405.05
	8/3/2005		---	0.00	12.16	6404.66
	5/4/2005		---	0.00	10.50	6406.32
	1/10/2005		---	0.00	11.41	6405.41
	10/14/2004		---	0.00	12.71	6404.11

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-9 (cont.)	7/8/2004		---	0.00	12.79	6404.03
	4/11/2004		---	0.00	11.91	6404.91
	10/12/2003		---	0.00	14.01	6402.81
	6/21/2003		---	0.00	12.54	6404.28
	3/11/2003		---	0.00	11.89	6404.93
	12/13/2002		---	0.00	12.62	6404.20
	1/24/2002		---	0.00	11.93	6404.89
	11/20/2001		---	0.00	12.63	6404.19
	8/25/2001		---	0.00	12.63	6404.19
	3/25/2001		---	0.00	11.14	6405.68
BMW-10	10/21/2019	6417.02	---	0.00	12.94	6404.08
	2/11/2019		---	0.00	11.12	6405.90
	11/13/2018		---	0.00	12.38	6404.64
	8/8/2018		---	0.00	12.42	6404.60
	4/30/2018		---	0.00	10.43	6406.59
	1/3/2018		---	0.00	10.17	6406.85
	7/25/2017		---	0.00	12.22	6404.80
	4/17/2017		---	0.00	10.91	6406.11
	11/9/2016		---	0.00	11.94	6405.08
	2/15/2016		---	0.00	11.25	6405.77
	12/1/2015		---	0.00	11.85	6405.17
	3/29/2012		---	0.00	11.68	6405.34
	10/4/2009		---	0.00	12.88	6404.14
	12/4/2008		---	0.00	10.96	6406.06
	7/29/2008		---	0.00	10.91	6406.11
	4/1/2008		---	0.00	10.94	6406.08
	10/16/2007		---	0.00	12.66	6404.36
	7/25/2007		---	0.00	11.46	6405.56
	3/13/2007		---	0.00	11.12	6405.90
	12/12/2006		---	0.00	11.75	6405.27
	9/11/2006		---	0.00	12.38	6404.64
	6/6/2006		---	0.00	11.78	6405.24
	1/10/2006		---	0.00	11.05	6405.97
	10/11/2005		---	0.00	11.83	6405.19
	8/3/2005		---	0.00	12.21	6404.81
	5/4/2005		---	0.00	10.56	6406.46
	1/10/2005		---	0.00	11.44	6405.58
	10/14/2004		---	0.00	12.76	6404.26
	7/8/2004		---	0.00	12.86	6404.16
	4/11/2004		---	0.00	11.98	6405.04
	10/12/2003		---	0.00	14.08	6402.94

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-10 (cont.)	6/21/2003		---	0.00	12.55	6404.47
	3/11/2003		---	0.00	11.98	6405.04
	12/13/2002		---	0.00	12.64	6404.38
	1/24/2002		---	0.00	11.98	6405.04
	11/20/2001		---	0.00	12.71	6404.31
	8/25/2001		---	0.00	12.72	6404.30
	3/25/2001		---	0.00	11.12	6405.90
BMW-11	10/21/2019	6416.38	---	0.00	12.40	6403.98
	2/11/2019		---	0.00	10.68	6405.70
	11/13/2018		---	0.00	11.87	6404.51
	9/12/2018		---	0.00	12.19	6404.19
	8/9/2018		---	0.00	11.96	6404.42
	4/30/2018		---	0.00	10.00	6406.38
	1/3/2018		---	0.00	9.66	6406.72
	7/25/2017		---	0.00	11.64	6404.74
	4/17/2017		---	0.00	10.33	6406.05
	11/9/2016		---	0.00	11.46	6404.92
	2/15/2016		---	0.00	10.72	6405.66
	12/1/2015		---	0.00	11.32	6405.06
	3/29/2012		---	0.00	10.99	6405.39
	10/4/2009		---	0.00	11.56	6404.82
	12/4/2008		---	0.00	10.42	6405.96
	7/29/2008		---	0.00	10.34	6406.04
	4/1/2008		---	0.00	10.37	6406.01
	10/16/2007		---	0.00	12.13	6404.25
	7/26/2007		---	0.00	11.01	6405.37
	3/13/2007		---	0.00	10.64	6405.74
	12/12/2006		---	0.00	11.89	6404.49
	9/11/2006		---	0.00	11.89	6404.49
	6/6/2006		---	0.00	11.24	6405.14
	1/10/2006		---	0.00	10.58	6405.80
	10/11/2005		---	0.00	11.39	6404.99
	8/3/2005		---	0.00	11.70	6404.68
	5/4/2005		---	0.00	10.08	6406.30
	1/10/2005		---	0.00	10.95	6405.43
	10/14/2004		---	0.00	12.29	6404.09
	7/8/2004		---	0.00	12.26	6404.12
	4/11/2004		---	0.00	11.51	6404.87
	10/12/2003		---	0.00	13.45	6402.93
	6/21/2003		---	0.00	12.04	6404.34
	3/11/2003		---	0.00	11.73	6404.65

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-11 (cont.)	12/13/2002		---	0.00	12.64	6403.74
	1/24/2002		---	0.00	11.52	6404.86
	11/20/2001		---	0.00	12.17	6404.21
	8/25/2001		---	0.00	12.15	6404.23
	3/24/2001		---	0.00	11.74	6404.64
BMW-12	10/21/2019	6416.47	---	0.00	12.50	6403.97
	2/11/2019		---	0.00	10.77	6405.70
	11/13/2018		---	0.00	11.96	6404.51
	4/30/2018		---	0.00	10.10	6406.37
	1/3/2018		---	0.00	9.79	6406.68
	7/25/2017		---	0.00	11.79	6404.68
	4/17/2017		---	0.00	10.38	6406.09
	11/9/2016		---	0.00	11.51	6404.96
	2/15/2016		---	0.00	10.76	6405.71
	12/1/2015		---	0.00	11.33	6405.14
	3/29/2012		---	0.00	10.90	6405.57
	10/4/2009		---	0.00	12.93	6403.54
	12/4/2008		Well not located			
	8/18/2008		---	0.00	12.02	6404.45
	7/29/2008		---	0.00	10.36	6406.11
	4/1/2008		---	0.00	10.39	6406.08
	10/16/2007		---	0.00	12.22	6404.25
	7/26/2007		---	0.00	11.12	6405.35
	3/13/2007		---	0.00	10.71	6405.76
	12/12/2006		---	0.00	11.28	6405.19
	9/11/2006		---	0.00	11.97	6404.50
	6/6/2006		---	0.00	11.28	6405.19
	1/10/2006		---	0.00	10.68	6405.79
	10/11/2005		---	0.00	11.48	6404.99
	8/3/2005		---	0.00	11.76	6404.71
	5/4/2005		---	0.00	10.14	6406.33
	1/10/2005		---	0.00	11.00	6405.47
	10/14/2004		---	0.00	12.33	6404.14
	7/7/2004		---	0.00	12.33	6404.14
	4/11/2004		---	0.00	11.55	6404.92
	10/12/2003		---	0.00	13.44	6403.03
	6/21/2003		---	0.00	12.11	6404.36
	3/11/2003		---	0.00	11.51	6404.96
	12/13/2002		---	0.00	12.14	6404.33
	1/24/2002		---	0.00	11.50	6404.97
	11/20/2001		---	0.00	12.25	6404.22

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-12 (cont.)	8/25/2001		---	0.00	12.23	6404.24
	3/24/2001		---	0.00	11.82	6404.65
BMW-14	10/21/2019	6417.14	---	0.00	12.94	6404.20
	2/11/2019		---	0.00	11.22	6405.92
	11/13/2018		---	0.00	12.49	6404.65
	9/12/2018		---	0.00	12.86	6404.28
	8/8/2018		---	0.00	12.61	6404.53
	4/30/2018		---	0.00	10.55	6406.59
	1/3/2018		---	0.00	10.19	6406.95
	7/25/2017		---	0.00	12.30	6404.84
	4/17/2017		---	0.00	10.94	6406.20
	11/9/2016		---	0.00	11.96	6405.18
	2/15/2016		---	0.00	11.24	6405.90
	1/10/2016		---	0.00	11.09	6406.05
	12/1/2015		---	0.00	11.85	6405.29
	3/29/2012		---	0.00	11.71	6405.43
	7/29/2008		---	0.00	10.88	6406.26
	4/1/2008		---	0.00	10.93	6406.21
	10/16/2007		---	0.00	12.56	6404.58
	7/25/2007		---	0.00	11.51	6405.63
	3/13/2007		---	0.00	11.13	6406.01
	12/12/2006		---	0.00	11.78	6405.36
	9/11/2006		---	0.00	12.40	6404.74
	6/6/2006		---	0.00	11.79	6405.35
	10/11/2005		---	0.00	11.89	6405.25
	8/3/2005		---	0.00	12.24	6404.90
	5/4/2005		---	0.00	10.59	6406.55
	1/10/2005		---	0.00	11.46	6405.68
	10/14/2004		---	0.00	12.74	6404.40
	7/8/2004		---	0.00	12.83	6404.31
	4/11/2004		---	0.00	12.03	6405.11
	10/12/2003		---	0.00	14.01	6403.13
	6/21/2003		---	0.00	12.64	6404.50
	12/13/2002		---	0.00	12.68	6404.46
BMW-15	10/21/2019	6416.65	---	0.00	12.76	6403.89
	2/11/2019		---	0.00	11.61	6405.04
	11/13/2018		---	0.00	12.20	6404.45
	8/9/2018		---	0.00	12.12	6404.53
	4/30/2018		---	0.00	10.26	6406.39
	1/3/2018		---	0.00	9.95	6406.70
	7/25/2017		---	0.00	11.89	6404.76

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-15 (cont.)	4/17/2017		---	0.00	10.65	6406.00
	11/9/2016		---	0.00	11.74	6404.91
	2/15/2016		---	0.00	11.03	6405.62
	12/1/2015		---	0.00	11.64	6405.01
	3/29/2012		---	0.00	11.39	6405.26
	10/4/2009		---	0.00	11.77	6404.88
	12/4/2008		---	0.00	10.74	6405.91
	7/29/2008		---	0.00	10.69	6405.96
	4/1/2008		---	0.00	10.73	6405.92
	10/16/2007		---	0.00	12.49	6404.16
	7/25/2007		---	0.00	11.30	6405.35
	3/13/2007		---	0.00	10.92	6405.73
	12/12/2006		---	0.00	11.59	6405.06
	9/11/2006		---	0.00	12.24	6404.41
	6/6/2006		---	0.00	11.59	6405.06
	1/10/2006		---	0.00	10.91	6405.74
	10/11/2005		---	0.00	11.67	6404.98
	8/3/2005		---	0.00	12.07	6404.58
	5/4/2005		---	0.00	10.37	6406.28
	1/10/2005		---	0.00	11.28	6405.37
	10/14/2004		---	0.00	12.62	6404.03
	7/8/2004		---	0.00	12.67	6403.98
	4/11/2004		---	0.00	11.82	6404.83
	10/12/2003		---	0.00	13.88	6402.77
	6/21/2003		---	0.00	12.44	6404.21
	3/11/2003		---	0.00	11.84	6404.81
	12/13/2002		---	0.00	12.52	6404.13
BMW-16	10/21/2019	6417.59	---	0.00	13.40	6404.19
	2/11/2019		---	0.00	11.71	6405.88
	11/13/2018		---	0.00	12.94	6404.65
	4/30/2018		---	0.00	11.03	6406.56
	1/3/2018		---	0.00	10.69	6406.90
	7/25/2017		---	0.00	12.78	6404.81
	4/17/2017		---	0.00	11.40	6406.19
	11/9/2016		---	0.00	12.45	6405.14
	2/15/2016		---	0.00	11.72	6405.87
	12/1/2015		---	0.00	12.30	6405.29
	3/29/2012		---	0.00	12.10	6405.49
	8/18/2008		---	0.00	13.08	6404.51
	7/29/2008		---	0.00	11.32	6406.27
	4/1/2008		---	0.00	11.38	6406.21

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-16 (cont.)	10/16/2007		---	0.00	13.13	6404.46
	7/25/2007		---	0.00	12.00	6405.59
	3/13/2007		---	0.00	11.61	6405.98
	12/12/2006		---	0.00	12.24	6405.35
	9/11/2006		---	0.00	12.87	6404.72
	6/6/2006		---	0.00	12.25	6405.34
	1/10/2006		---	0.00	11.69	6405.90
	8/3/2005		---	0.00	12.72	6404.87
	5/4/2005		---	0.00	11.08	6406.51
	1/10/2005		---	0.00	11.95	6405.64
	10/14/2004		---	0.00	13.21	6404.38
	7/7/2004		---	0.00	13.29	6404.30
	4/11/2004		---	0.00	12.48	6405.11
	10/12/2003		---	0.00	14.47	6403.12
	6/21/2003		---	0.00	13.08	6404.51
	3/11/2003		---	0.00	12.52	6405.07
	12/13/2002		---	0.00	13.11	6404.48
BMW-17	12/1/2015	6413.55	Well not located - presumed destroyed			
	3/29/2012		---	0.00	11.51	6402.04
	7/29/2008		---	0.00	10.99	6402.56
	4/1/2008		---	0.00	10.98	6402.57
	10/16/2007		---	0.00	12.82	6400.73
	3/13/2007		---	0.00	11.25	6402.30
	12/12/2006		---	0.00	11.89	6401.66
	9/11/2006		---	0.00	12.56	6400.99
	6/6/2006		---	0.00	11.89	6401.66
	1/10/2006		---	0.00	11.27	6402.28
	10/11/2005		---	0.00	12.09	6401.46
	8/3/2005		---	0.00	12.34	6401.21
	5/4/2005		---	0.00	10.74	6402.81
	1/10/2005		---	0.00	11.61	6401.94
	10/14/2004		---	0.00	12.87	6400.68
	7/8/2004		---	0.00	12.93	6400.62
	4/11/2004		---	0.00	12.11	6401.44
	10/12/2003		---	0.00	14.14	6399.41
	6/21/2003		---	0.00	12.73	6400.82
	3/11/2003		---	0.00	12.14	6401.41
	12/13/2002		---	0.00	12.79	6400.76
BMW-18	10/21/2019	6415.57	---	0.00	11.80	6403.77
	2/11/2019		---	0.00	9.82	6405.75
	11/13/2018		---	0.00	11.19	6404.38

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-18 (cont.)	9/12/2018		---	0.00	11.69	6403.88
	8/9/2018		---	0.00	11.25	6404.32
	4/30/2018		---	0.00	9.29	6406.28
	1/3/2018		---	0.00	8.98	6406.59
	7/25/2017		---	0.00	10.87	6404.70
	4/17/2017		---	0.00	9.50	6406.07
	11/9/2016		---	0.00	10.77	6404.80
	2/15/2016		---	0.00	10.04	6405.53
	12/1/2015		---	0.00	10.62	6404.95
	3/29/2012		---	0.00	10.25	6405.32
	7/29/2008		---	0.00	9.68	6405.89
	4/1/2008		---	0.00	9.71	6405.86
	10/16/2007		---	0.00	11.50	6404.07
	7/25/2007		---	0.00	10.34	6405.23
	3/13/2007		---	0.00	9.94	6405.63
	12/12/2006		---	0.00	10.56	6405.01
	9/11/2006		---	0.00	11.22	6404.35
	6/6/2006		---	0.00	10.60	6404.97
	1/10/2006		---	0.00	11.56	6404.01
	10/11/2005		---	0.00	10.72	6404.85
	8/3/2005		---	0.00	11.05	6404.52
	5/4/2005		---	0.00	9.38	6406.19
	1/10/2005		---	0.00	10.27	6405.30
	10/14/2004		---	0.00	11.59	6403.98
	7/8/2004		---	0.00	11.65	6403.92
	4/11/2004		---	0.00	10.77	6404.80
	10/12/2003		---	0.00	12.85	6402.72
	6/21/2003		---	0.00	11.44	6404.13
	3/11/2003		---	0.00	10.83	6404.74
	12/13/2002		---	0.00	11.54	6404.03
BMW-19	12/1/2015	6412.29	Well not located - presumed destroyed			
	3/29/2012		---	0.00	10.26	6402.03
	7/29/2008		---	0.00	9.84	6402.45
	4/1/2008		---	0.00	9.89	6402.40
	10/16/2007		---	0.00	11.77	6400.52
	7/25/2007		---	0.00	10.73	6401.56
	3/13/2007		---	0.00	10.23	6402.06
	12/12/2006		---	0.00	10.80	6401.49
	9/11/2006		---	0.00	11.53	6400.76
	6/6/2006		---	0.00	10.82	6401.47
	1/10/2006		---	0.00	10.25	6402.04

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-19 (cont.)	10/11/2005		---	0.00	11.03	6401.26
	8/3/2005		---	0.00	11.34	6400.95
	5/4/2005		---	0.00	9.71	6402.58
	1/10/2005		---	0.00	10.54	6401.75
	10/14/2004		---	0.00	11.85	6400.44
	7/8/2004		---	0.00	11.89	6400.40
	4/11/2004		---	0.00	11.03	6401.26
	10/12/2003		---	0.00	13.01	6399.28
	6/21/2003		---	0.00	11.69	6400.60
	3/11/2003		---	0.00	11.08	6401.21
	12/13/2002		---	0.00	11.73	6400.56
BMW-20	10/21/2019	6416.53	---	0.00	12.87	6403.66
	2/11/2019		---	0.00	11.09	6405.44
	11/13/2018		---	0.00	12.28	6404.25
	8/8/2018		---	0.00	12.32	6404.21
	4/30/2018		---	0.00	10.42	6406.11
	1/3/2018		---	0.00	10.19	6406.34
	7/25/2017		---	0.00	12.33	6404.20
	4/17/2017		---	0.00	10.71	6405.82
	11/9/2016		---	0.00	11.85	6404.68
	2/15/2016		---	0.00	11.05	6405.48
	12/1/2015		---	0.00	11.57	6404.96
	3/29/2012		Well not located			
	7/29/2008		---	0.00	10.46	6406.07
	4/1/2008		---	0.00	10.58	6405.95
	10/16/2007		---	0.00	12.55	6403.98
	7/25/2007		---	0.00	11.54	6404.99
	3/13/2007		---	0.00	10.93	6405.60
	12/12/2006		---	0.00	11.48	6405.05
	9/11/2006		---	0.00	12.27	6404.26
	6/6/2006		---	0.00	11.56	6404.97
	1/10/2006		---	0.00	10.89	6405.64
	10/11/2005		---	0.00	11.83	6404.70
	8/3/2005		---	0.00	12.13	6404.40
	5/4/2005		---	0.00	10.43	6406.10
	1/10/2005		---	0.00	11.26	6405.27
	10/14/2004		---	0.00	12.59	6403.94
	7/8/2004		---	0.00	12.64	6403.89
	4/11/2004		---	0.00	11.76	6404.77
	10/12/2003		---	0.00	13.83	6402.70
	6/21/2003		---	0.00	12.49	6404.04

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-20 (cont.)	3/11/2003		---	0.00	11.78	6404.75
	12/13/2002		---	0.00	12.46	6404.07
BMW-21	10/21/2019	6415.43	---	0.00	11.88	6403.55
	2/11/2019		---	0.00	10.12	6405.31
	11/13/2018		---	0.00	11.35	6404.08
	8/9/2018		---	0.00	11.44	6403.99
	4/30/2018		---	0.00	9.40	6406.03
	1/3/2018		---	0.00	9.08	6406.35
	7/25/2017		---	0.00	11.21	6404.22
	4/17/2017		---	0.00	9.77	6405.66
	11/9/2016		---	0.00	10.86	6404.57
	2/15/2016		---	0.00	10.13	6405.30
	12/1/2015		---	0.00	10.76	6404.67
	3/29/2012		---	0.00	10.37	6405.06
	10/4/2009		---	0.00	11.79	6403.64
	12/4/2008		---	0.00	10.07	6405.36
	7/29/2008		---	0.00	10.05	6405.38
	4/1/2008		---	0.00	9.87	6405.56
	10/17/2007		---	0.00	11.63	6403.80
	7/25/2007		---	0.00	10.48	6404.95
	3/14/2007		---	0.00	10.07	6405.36
	12/13/2006		---	0.00	10.72	6404.71
	9/11/2006		---	0.00	11.35	6404.08
	6/7/2006		---	0.00	10.76	6404.67
	1/11/2006		---	0.00	10.01	6405.42
	10/11/2005		---	0.00	10.80	6404.63
	8/4/2005		---	0.00	11.22	6404.21
	5/5/2005		---	0.00	9.46	6405.97
	1/11/2005		---	0.00	10.43	6405.00
	10/15/2004		---	0.00	11.72	6403.71
	7/8/2004		---	0.00	11.80	6403.63
	4/11/2004		---	0.00	10.84	6404.59
	10/12/2003		---	0.00	12.92	6402.51
	3/12/2003		---	0.00	10.96	6404.47
	12/13/2002		---	0.00	11.65	6403.78
BMW-22	10/21/2019	6414.09	---	0.00	10.84	6403.25
	2/11/2019		---	0.00	9.01	6405.08
	11/13/2018		---	0.00	10.23	6403.86
	8/9/2018		---	0.00	10.38	6403.71
	4/30/2018		---	0.00	8.35	6405.74
	1/3/2018		---	0.00	8.02	6406.07

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BMW-22 (cont.)	7/25/2017		---	0.00	10.19	6403.90
	4/17/2017		---	0.00	8.70	6405.39
	11/9/2016		---	0.00	9.80	6404.29
	2/15/2016		---	0.00	9.06	6405.03
	12/1/2015		---	0.00	9.68	6404.41
	3/29/2012		Well not located			
	10/4/2009		---	0.00	10.75	6403.34
	12/4/2008		---	0.00	9.00	6405.09
	7/29/2008		---	0.00	9.02	6405.07
	4/1/2008		---	0.00	8.83	6405.26
	10/17/2007		---	0.00	10.59	6403.50
	7/25/2007		---	0.00	9.49	6404.60
	3/14/2007		---	0.00	8.99	6405.10
	12/13/2006		---	0.00	9.62	6404.47
	9/11/2006		---	0.00	10.33	6403.76
	6/7/2006		---	0.00	9.72	6404.37
	1/11/2006		---	0.00	8.98	6405.11
	10/11/2005		---	0.00	9.80	6404.29
	8/4/2005		---	0.00	10.18	6403.91
	5/5/2005		---	0.00	8.42	6405.67
	7/8/2004		10.74	0.05	10.79	6403.34
	10/12/2003		11.79	0.02	11.81	6402.30
	6/21/2003		10.48	0.04	10.52	6403.60
	3/12/2003		9.91	0.13	10.04	6404.15
	12/13/2002		---	0.00	10.63	6403.46
DBS-1	10/21/2019	6416.18	---	0.00	12.55	6403.63
	2/11/2019		---	0.00	10.80	6405.38
	11/13/2018		---	0.00	12.00	6404.18
	8/9/2018		---	0.00	12.04	6404.14
	4/30/2018		---	0.00	10.09	6406.09
	1/3/2018		---	0.00	9.81	6406.37
	7/25/2017		---	0.00	11.90	6404.28
	4/17/2017		---	0.00	10.40	6405.78
	11/9/2016		---	0.00	11.54	6404.64
	2/15/2016		---	0.00	10.76	6405.42
DBS-2	10/21/2019	6416.40	---	0.00	13.16	6403.24
	2/11/2019		---	0.00	11.36	6405.04
	11/13/2018		---	0.00	12.56	6403.84
	8/8/2018		---	0.00	12.65	6403.75
	4/30/2018		---	0.00	10.72	6405.68
	1/3/2018		---	0.00	10.45	6405.95

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
DBS-2 (cont.)	7/25/2017		---	0.00	12.68	6403.72
	4/17/2017		---	0.00	11.01	6405.39
	11/9/2016		---	0.00	12.15	6404.25
	2/15/2016		---	0.00	11.34	6405.06
DBS-3	10/21/2019	6413.48	---	0.00	10.60	6402.88
	2/11/2019		---	0.00	8.78	6404.70
	11/13/2018		---	0.00	9.97	6403.51
	8/8/2018		---	0.00	10.16	6403.32
	4/30/2018		---	0.00	8.15	6405.33
	1/3/2018		---	0.00	7.85	6405.63
	7/25/2017		---	0.00	10.10	6403.38
	4/17/2017		---	0.00	8.43	6405.05
	11/9/2016		---	0.00	9.56	6403.92
	2/15/2016		---	0.00	8.81	6404.67
DBS-4	10/21/2019	6414.26	---	0.00	11.03	6403.23
	2/11/2019		---	0.00	9.29	6404.97
	11/13/2018		---	0.00	10.49	6403.77
	8/8/2018		---	0.00	10.61	6403.65
	4/30/2018		---	0.00	8.59	6405.67
	1/3/2018		---	0.00	8.24	6406.02
	7/25/2017		---	0.00	10.45	6403.81
	4/17/2017		---	0.00	8.93	6405.33
	11/9/2016		---	0.00	10.03	6404.23
	2/15/2016		---	0.00	9.33	6404.93
DBS-5	10/21/2019	6413.73	---	0.00	10.75	6402.98
	2/11/2019		---	0.00	8.99	6404.74
	11/13/2018		---	0.00	10.19	6403.54
	9/12/2018		---	0.00	10.62	6403.11
	8/8/2018		---	0.00	10.34	6403.39
	4/30/2018		---	0.00	8.33	6405.40
	1/3/2018		---	0.00	7.99	6405.74
	7/25/2017		---	0.00	10.21	6403.52
	4/17/2017		---	0.00	8.65	6405.08
	11/9/2016		---	0.00	9.73	6404.00
	2/15/2016		---	0.00	9.02	6404.71
DBS-6	10/21/2019	6413.99	Well obstructed			
	2/11/2019		---	0.00	9.73	6404.26
	11/13/2018		---	0.00	10.93	6403.06
	8/9/2018		---	0.00	11.24	6402.75
	4/30/2018		---	0.00	9.12	6404.87
	1/3/2018		---	0.00	8.70	6405.29

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
DBS-6 (cont.)	7/25/2017		---	0.00	11.05	6402.94
	4/17/2017		---	0.00	9.35	6404.64
	11/9/2016		---	0.00	10.41	6403.58
	2/15/2016		---	0.00	9.78	6404.21
P-5	10/21/2019	6417.55	---	0.00	13.70	6403.85
	2/11/2019		---	0.00	11.98	6405.57
	11/13/2018		---	0.00	13.25	6404.30
	8/8/2018		---	0.00	13.35	6404.20
	4/30/2018		---	0.00	11.29	6406.26
	1/3/2018		---	0.00	10.89	6406.66
	7/25/2017		---	0.00	13.05	6404.50
	4/17/2017		---	0.00	11.68	6405.87
	11/9/2016		---	0.00	12.70	6404.85
	2/15/2016		---	0.00	12.03	6405.52
	12/1/2015		---	0.00	13.02	6404.53
	3/30/2012		Not measured			
	10/4/2009		---	0.00	13.61	6403.94
	12/4/2008		---	0.00	12.05	6405.50
	7/29/2008		---	0.00	12.03	6405.52
	4/1/2008		---	0.00	12.15	6405.40
	10/17/2007		---	0.00	13.83	6403.72
	7/25/2007		---	0.00	12.66	6404.89
W-1	10/21/2019	6417.66	---	0.00	13.51	6404.15
	2/11/2019		---	0.00	11.80	6405.86
	11/13/2018		---	0.00	13.00	6404.66
	9/12/2018		---	0.00	13.35	6404.31
	8/8/2018		---	0.00	13.11	6404.55
	4/30/2018		---	0.00	11.10	6406.56
	1/3/2018		---	0.00	10.82	6406.84
	7/25/2017		---	0.00	12.84	6404.82
	4/17/2017		---	0.00	11.46	6406.20
	11/9/2016		---	0.00	12.56	6405.10
	2/15/2016		---	0.00	11.84	6405.82
	12/1/2015		---	0.00	12.43	6405.23
	3/29/2012		Well not located			
	10/4/2009		---	0.00	12.31	6405.35
	3/13/2007		---	0.00	11.70	6405.96
	12/12/2006		---	0.00	12.34	6405.32
	9/11/2006		---	0.00	12.97	6404.69
	6/6/2006		---	0.00	12.34	6405.32
	1/10/2006		---	0.00	11.69	6405.97

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
W-1 (cont.)	10/11/2005		---	0.00	12.48	6405.18
	8/3/2005		---	0.00	12.84	6404.82
	5/4/2005		---	0.00	11.23	6406.43
	1/10/2005		---	0.00	12.07	6405.59
	10/14/2004		---	0.00	13.35	6404.31
	7/8/2004		---	0.00	13.41	6404.25
	4/11/2004		---	0.00	12.62	6405.04
	10/12/2003		---	0.00	14.51	6403.15
	6/21/2003		---	0.00	13.10	6404.56
	3/11/2003		---	0.00	12.59	6405.07
	12/13/2002		---	0.00	13.22	6404.44
	1/24/2002		---	0.00	12.63	6405.03
	11/20/2001		---	0.00	13.29	6404.37
	8/25/2001		---	0.00	13.29	6404.37
	3/24/2001		---	0.00	11.80	6405.86
	6/29/1999		---	0.00	11.51	6406.15
W-2	10/21/2019	6418.36	---	0.00	14.49	6403.87
	2/11/2019		---	0.00	12.60	6405.76
	11/13/2018		---	0.00	13.81	6404.55
	8/8/2018		---	0.00	13.87	6404.49
	4/30/2018		---	0.00	11.93	6406.43
	1/3/2018		---	0.00	11.81	6406.55
	7/25/2017		---	0.00	13.65	6404.71
	4/17/2017		---	0.00	12.21	6406.15
	11/9/2016		---	0.00	13.31	6405.05
	2/15/2016		---	0.00	12.56	6405.80
	12/1/2015		---	0.00	13.13	6405.23
	3/29/2012		---	0.00	12.75	6405.61
	3/13/2007		---	0.00	12.45	6405.91
	12/12/2006		---	0.00	13.07	6405.29
	9/11/2006		---	0.00	13.74	6404.62
	6/6/2006		---	0.00	13.07	6405.29
	5/4/2005		---	0.00	11.94	6406.42
	1/10/2005		---	0.00	12.79	6405.57
	10/14/2004		---	0.00	14.04	6404.32
	7/8/2004		---	0.00	14.12	6404.24
	4/11/2004		---	0.00	13.34	6405.02
	10/12/2003		---	0.00	15.24	6403.12
	6/21/2003		---	0.00	12.21	6406.15
	3/11/2003		---	0.00	13.30	6405.06
	12/13/2002		---	0.00	13.96	6404.40

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
W-3	10/21/2019	6417.25	---	0.00	13.19	6404.06
	2/11/2019		---	0.00	11.45	6405.80
	11/13/2018		---	0.00	12.68	6404.57
	9/12/2018		---	0.00	13.01	6404.24
	8/9/2018		---	0.00	12.74	6404.51
	4/30/2018		---	0.00	10.79	6406.46
	1/3/2018		---	0.00	10.45	6406.80
	7/25/2017		---	0.00	12.49	6404.76
	4/17/2017		---	0.00	11.10	6406.15
	11/9/2016		---	0.00	12.18	6405.07
	2/15/2016		---	0.00	11.48	6405.77
	12/1/2015		---	0.00	12.04	6405.21
	3/29/2012		---	0.00	11.81	6405.44
	10/4/2009		---	0.00	12.20	6405.05
	12/4/2008		---	0.00	11.10	6406.15
	7/29/2008		---	0.00	11.09	6406.16
	4/1/2008		---	0.00	11.12	6406.13
	10/16/2007		---	0.00	12.86	6404.39
	7/25/2007		---	0.00	11.74	6405.51
	3/13/2007		---	0.00	11.34	6405.91
	12/12/2006		---	0.00	11.96	6405.29
	9/11/2006		---	0.00	12.61	6404.64
	6/6/2006		---	0.00	11.98	6405.27
	1/10/2006		---	0.00	11.33	6405.92
	10/11/2005		---	0.00	12.06	6405.19
	8/3/2005		---	0.00	12.43	6404.82
	5/4/2005		---	0.00	10.82	6406.43
	1/10/2005		---	0.00	11.69	6405.56
	10/14/2004		---	0.00	12.97	6404.28
	7/8/2004		13.04	0.04	13.08	6404.20
	4/11/2004		12.19	0.25	12.44	6405.00
	10/12/2003		14.06	0.29	14.35	6403.12
	6/21/2003		12.78	0.25	13.03	6404.41
	3/11/2003		12.09	0.13	12.22	6405.13
	12/13/2002		12.70	0.33	13.03	6404.47
	1/24/2002		---	0.00	12.25	6405.00
	11/20/2001		---	0.00	12.92	6404.33
	8/25/2001		---	0.00	12.93	6404.32
	3/24/2001		---	0.00	11.56	6405.69
BTMW-1	2/11/2019	6411.24	---	0.00	8.72	6402.52
	11/13/2018		---	0.00	9.78	6401.46

TABLE 1. SUMMARY OF FLUID LEVEL MEASUREMENTS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Monitoring Well	Date Measured	Top of Casing Elevation (ft amsl)	Depth to NAPL (ft btoc)	NAPL Thickness (feet)	Depth to Water (ft btoc)	Groundwater Elevation[a] (ft amsl)
BTMW-1 (cont.)	8/8/2018		---	0.00	10.43	6400.81
	4/30/2018		---	0.00	8.30	6402.94
	1/3/2018		---	0.00	7.96	6403.28
	7/25/2017		---	0.00	10.38	6400.86
	4/17/2017		---	0.00	8.41	6402.83
	11/9/2016		---	0.00	9.43	6401.81
BTMW-2	2/11/2019	6410.51	---	0.00	7.30	6403.21
	11/13/2018		---	0.00	8.40	6402.11
	8/8/2018		---	0.00	8.91	6401.60
	4/30/2018		---	0.00	6.78	6403.73
	1/3/2018		---	0.00	6.44	6404.07
	7/25/2017		---	0.00	8.87	6401.64
	4/17/2017		---	0.00	6.85	6403.66
	11/9/2016		---	0.00	7.98	6402.53
BTMW-3	2/11/2019	6408.54	---	0.00	6.81	6401.73
	11/13/2018		---	0.00	7.97	6400.57
	8/8/2018		---	0.00	8.58	6399.96
	4/30/2018		---	0.00	6.53	6402.01
	1/3/2018		---	0.00	6.26	6402.28
	7/25/2017		---	0.00	8.57	6399.97
	4/17/2017		---	0.00	6.70	6401.84
	11/9/2016		---	0.00	7.74	6400.80
BTMW-5	2/11/2019	6409.01	---	0.00	7.23	6401.78
	11/13/2018		---	0.00	8.32	6400.69
	8/8/2018		---	0.00	9.02	6399.99
	4/30/2018		---	0.00	6.96	6402.05
	1/3/2018		---	0.00	6.72	6402.29
	7/25/2017		---	0.00	9.00	6400.01
	4/17/2017		---	0.00	7.13	6401.88
	11/9/2016		---	0.00	8.18	6400.83

Notes:
Pre-October 2019 data reported by Daniel B. Stephens & Associates, Inc. (DBS&A, 2019).
[a]Groundwater elevation (GWE) corrected for LNAPL thickness using the following equation:
GWE = TOC Elevation - [DTW - (LNAPL thickness x 0.75)]
ft bgs = Feet below ground surface
ft msl = Feet above mean sea level
ft btoc = Feet below top of casing
NAPL = Nonaqueous-phase liquid
DTW = Depth to water
NA = Not available

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
Monitoring Wells												
BMW-1	10/22/19	**130**	93	**2,000**	**1,300**	<20	<20	<20	130	<80	<80	**130**
	02/13/19	**28**	120	**810**	**1,700**	<10	<10	<10	-	-	-	**449**
	11/15/18	**110**	540	**2,200**	**6,000**	<10	<10	<10	-	-	-	**1,190**
	09/12/18	**80**	210	**1,300**	**4,200**	<20	<20	<20	-	-	-	**1,230**
	08/09/18	**89**	150	**2,000**	**3,100**	<20	<20	<20	-	-	-	**1,010**
	05/02/18	**23**	44	**1,400**	**3,000**	<20	<20	<20	-	-	-	**1,150**
	01/05/18	**14**	<10	<10	**1,900**	<10	<10	<10	-	-	-	**700**
	07/26/17	**74**	670	**2,400**	**13,000**	<20	<20	<20	-	-	-	**1,980**
	04/20/17	**22**	160	**1,800**	**12,000**	22	<10	<10	-	-	-	**1,040**
	02/18/16	**77**	**1,000**	**2,500**	**15,000**	<50	<0.10 [c]	<50	-	-	-	**1,270**
	03/29/12	**330**	**2,200**	**4,500**	**19,000**	82	<20	<20	-	-	-	**1,039**
	11/16/11	**150**	**1,700**	**3,300**	**15,000**	77	<50	<50	-	-	-	**920**
	10/04/09	**1,700**	**9,600**	**6,300**	**21,000**	**130**	NA	<20	-	-	-	**1,083**
	12/04/08	**800**	**2,900**	**4,700**	**20,000**	**160**	NA	<20	-	-	-	**1,300**
	07/29/08	**1,300**	**5,100**	**5,900**	**25,000**	**140**	NA	<100	-	-	-	**1,100**
	04/01/08	**1,700**	**3,800**	**5,400**	**24,000**	**360**	NA	<50	-	-	-	**1,650**
	10/18/07	**3,200**	**14,000**	**5,300**	**24,000**	**380**	NA	<10	-	-	-	**1,210**
	07/25/07	**2,100**	**9,700**	**6,000**	**29,000**	**340**	NA	NA	-	-	-	**1,350**
	03/14/07	**1,800**	**6,500**	**5,000**	**24,000**	<200	NA	<200	-	-	-	**880**
	12/12/06	Well not sampled due to presence of NAPL										
	09/11/06	**6,400**	**25,000**	**7,600**	**38,000**	**1,000**	NA	<500	-	-	-	**2,400**
	06/07/06	**7,200**	**32,000**	**11,000**	**52,000**	**1,500**	NA	<500	-	-	-	**2,700**
	01/11/06	**5,600**	**21,000**	**7,400**	**33,000**	**1,900**	NA	<500	-	-	-	**2,300**
	10/11/05	**9,300**	**33,000**	**10,000**	**47,000**	**1,900**	NA	<500	-	-	-	**2,700**
	08/04/05	**5,900**	**25,000**	**6,100**	**31,000**	**1,100**	NA	<500	-	-	-	**1,500**
	05/04/05	**6,000**	**29,000**	**7,100**	**33,000**	**1,300**	NA	<500	-	-	-	**2,100**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-1 (cont.)	01/11/05	**6,700**	**26,000**	**5,600**	**26,000**	**900**	NA	<500	-	-	-	**1,300**
	10/15/04	**12,000**	**39,000**	**7,200**	**38,000**	**1,000**	NA	<100	-	-	-	<1,000
	10/12/03	Well not sampled due to presence of NAPL										
	06/21/03	**9,700**	**31,000**	**5,700**	**29,000**	**810**	0.026 [c]	<50	-	-	-	**1,010**
	03/12/03	Well not sampled due to presence of NAPL										
	12/12/02	Well not sampled due to presence of NAPL										
	01/24/02	**12,000**	**30,000**	**5,300**	**24,000**	**880**	<20	**39**	-	-	-	**1,010**
	11/20/01	Well not sampled due to presence of NAPL										
	08/25/01	Well not sampled due to presence of NAPL										
	03/24/01	**9,100**	**28,000**	**3,500**	**16,000**	**850**	0.53 [c]	<500	-	-	-	<3,000
BMW-2	10/22/19	**730**	55	**850**	**670**	<20	<20	<20	200	110	110	**420**
	02/13/19	**7.4**	6.1	110	260	<5.0	<5.0	<5.0	-	-	-	**400**
	11/15/18	**420**	190	**1,400**	**1,600**	<10	<10	<10	-	-	-	**590**
	09/12/18	**330**	150	**1,000**	**980**	<20	<20	<20	-	-	-	**419**
	08/09/18	**470**	940	**2,200**	**4,100**	<20	<20	<20	-	-	-	**860**
	05/02/18	**50**	24	**1,300**	**2,000**	<20	<20	<20	-	-	-	**1,460**
	02/18/16	Well not sampled - presumed destroyed										
	03/30/12	**990**	**5,500**	**5,500**	**23,000**	33	<20	<20	-	-	-	**1,260**
	10/04/09	**3,100**	**11,000**	**4,700**	**19,000**	**110**	NA	<50	-	-	-	**1,130**
	12/04/08	**1,000**	**9,000**	**4,900**	**2,100**	<50	NA	<50	-	-	-	**750**
	07/29/08	**1,900**	**12,000**	**4,700**	**20,000**	<100	NA	<100	-	-	-	**780**
	04/01/08	**5,700**	**24,000**	**8,100**	**25,000**	**190**	NA	<100	-	-	-	**1,100**
	10/17/07	Well not sampled due to presence of NAPL										
	07/25/07	**3,100**	**22,000**	**4,900**	**23,000**	**140**	NA	NA	-	-	-	NA
	03/14/07	**4,200**	**27,000**	**4,700**	**23,000**	<400	NA	<400	-	-	-	<4,000
	12/12/06	**8,500**	**2,900**	**6,000**	**32,000**	**620**	NA	<250	-	-	-	NA
	09/11/06	Well not sampled due to presence of NAPL										

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-2 (cont.)	06/07/06	**2,300**	**11,000**	**1,000**	**5,500**	<750	NA	<500	-	-	-	<5,000
	01/11/06	**7,500**	**34,000**	**4,800**	**24,000**	**1,300**	NA	<1,000	-	-	-	<10,000
	10/11/05	**12,000**	**43,000**	**6,700**	**33,000**	**1,200**	NA	<500	-	-	-	**1,900**
	08/04/05	**11,000**	**40,000**	**5,800**	**29,000**	**1,000**	NA	<500	-	-	-	**1,400**
	05/04/05	**12,000**	**38,000**	**6,500**	**32,000**	**920**	NA	<500	-	-	-	**2,000**
	10/15/04	**22,000**	**24,000**	**5,700**	**28,000**	**850**	NA	<100	-	-	-	**700**
	11/20/01 through 07/08/04	Well not sampled due to presence of NAPL										
	08/25/01	**13,000**	**32,000**	**4,700**	**23,000**	**660**	<100	<100	-	-	-	**500**
	10/09/98	**22,000**	**36,000**	**3,500**	**18,000**	**560**	0.09 [c]	NA	-	-	-	NA
BMW-3	10/22/19	**140**	<20	380	41	<20	<20	<20	<40	<80	<80	<80
	02/13/19	**240**	76	620	**1,100**	<10	<10	<10	-	-	-	**279**
	11/15/18	**430**	140	**880**	**2,400**	<10	<10	<10	-	-	-	**424**
	09/12/18	**450**	300	**920**	**2,400**	<20	<20	<20	-	-	-	**320**
	08/09/18	**450**	920	50	**2,500**	<50	<50	<50	-	-	-	<500
	05/02/18	**530**	73	690	**680**	<10	<10	<10	-	-	-	**211**
	01/05/18	**230**	34	580	**1,700**	<10	<10	<10	-	-	-	**319**
	07/26/17	**1,200**	**2,700**	680	**13,000**	<100	<100	<100	-	-	-	**650**
	04/20/17	**1,800**	**12,000**	**3,600**	**19,000**	<50	<50	<50	-	-	-	**740**
	11/11/16	**3,000**	**14,000**	**3,400**	**17,000**	<20	<20	<20	-	-	-	**670**
	02/18/16	**3,400**	**17,000**	**3,400**	**18,000**	<20	<0.10 [c]	<20	-	-	-	**814**
	03/30/12	Well not sampled - vehicle parked over well										
	10/04/09	**8,100**	**24,000**	**4,700**	**25,000**	**130**	NA	<50	-	-	-	**2,820**
	12/04/08	**8,800**	**25,000**	**4,500**	**21,000**	**160**	NA	<100	-	-	-	**870**
	07/29/08	Well not sampled										
	04/05/08	**21,000**	**34,000**	**4,900**	**25,000**	**780**	NA	<500	-	-	-	**1,200**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-3 (cont.)	04/01/08	**13,000**	**34,000**	**6,500**	**22,000**	**420**	NA	<100	-	-	-	**810**
	10/17/07	**12,000**	**38,000**	**3,800**	**18,000**	**230**	NA	<50	-	-	-	**500**
	07/25/07	**11,000**	**33,000**	**4,700**	**27,000**	**200**	NA	NA	-	-	-	**830**
	03/14/07	**12,000**	**31,000**	**4,100**	**20,000**	<550	NA	<550	-	-	-	**5,500**
	12/12/06	Well not sampled due to presence of NAPL										
	09/11/06	**21,000**	**46,000**	**5,300**	**27,000**	<750	NA	<500	-	-	-	**1,400**
	06/07/06	**26,000**	**30,000**	**7,900**	**38,000**	**940**	NA	<500	-	-	-	<10,000
	01/11/06	**15,000**	**34,000**	**3,900**	**20,000**	**1200**	NA	<1,000	-	-	-	<10,000
	10/11/05	**24,000**	**46,000**	**5,900**	**30,000**	**900**	NA	<500	-	-	-	**1,800**
	05/04/05	**990**	**5,500**	**5,500**	**23,000**	**930**	NA	<500	-	-	-	**2,700**
	07/07/04	Well not found										
	04/12/04	**21,000**	**34,000**	**3,900**	**19,000**	**350**	NA	<100	-	-	-	**690**
	12/12/02 through 10/12/03	Well not sampled due to presence of NAPL										
	08/25/01 through 01/24/02	Well not sampled - buried										
	03/24/01	**19,000**	**32,000**	**2,900**	**14,000**	**620**	0.19 [c]	<100	-	-	-	<3,000
BMW-4	05/04/05	Well plugged and abandoned										
	01/11/05	Well not sampled - buried										
	07/08/04	Well not found										
	04/12/04	**290**	**2,600**	**4,300**	**15,000**	<100	NA	<100	-	-	-	**1,300**
	10/12/03	Well not sampled due to presence of NAPL										
	06/21/03	Well not sampled due to presence of NAPL										
	03/12/03	**470**	**3,600**	**4,500**	**14,000**	<100	<0.010 [c]	<100	-	-	-	**5,030**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-4 (cont.)	08/25/01 through 12/12/02	Well not sampled due to presence of NAPL										
	03/24/01	**3,400**	**17,000**	**3,400**	**18,000**	<100	<0.010 [c]	<100	-	-	-	NA
	04/07/99	**1,600**	**5,900**	**4,500**	**18,000**	<100	<100	<100	-	-	-	**970**
BMW-4R	10/22/19	1.7	<1.0	100	4.3	<1.0	<1.0	<1.0	<2.0	10	<4.0	10
	02/12/19	<1.0	<1.0	12	<1.5	<1.0	<1.0	<1.0	-	-	-	6.7
	11/15/18	1.3	<1.0	35	<1.5	<1.0	<1.0	<1.0	-	-	-	15
	08/08/18	2.8	<2.0	180	<3.0	<2.0	<2.0	<2.0	-	-	-	**45**
	05/01/18	<1.0	<1.0	45	<1.5	<1.0	<1.0	<1.0	-	-	-	14
	01/05/18	<1.0	<1.0	33	8.6	<1.0	<1.0	<1.0	-	-	-	5.9
	07/27/17	<1.0	<1.0	33	<1.5	1.3	<1.0	<1.0	-	-	-	12
	04/19/17	<1.0	<1.0	100	<1.5	<1.0	<1.0	<1.0	-	-	-	**41.1**
	11/11/16	<1.0	<1.0	41	<1.5	<1.0	<1.0	<1.0	-	-	-	13
	02/18/16	1.6	<1.0	130	8.1	<1.0	<0.10 [c]	<1.0	-	-	-	**30.8**
	03/30/12	<2.0	<2.0	110	25	<2.0	<2.0	<2.0	-	-	-	**122**
	10/04/09	**240**	270	**2,300**	**8,300**	58	<2.0	<5.0	-	-	-	**597**
	12/04/08	**9.1**	14	480	280	<1.0	<1.0	<1.0	-	-	-	**577**
	07/29/08	**24**	<10	**850**	140	<10	<1.0	<10	-	-	-	**191**
	04/01/08	**18**	42	**1,100**	**1,600**	<50	<10	<10	-	-	-	**1,750**
	10/17/07	Well not sampled - vehicle parked over well										
	07/25/07	**110**	50	**1,900**	500	<5.0	NA	NA	-	-	-	**470**
	03/14/07	Well not sampled - vehicle parked over well										
	12/12/06	**79**	60	**1,700**	**830**	<30	NA	<20	-	-	-	**431**
	09/11/06	**170**	230	**3,300**	**2,500**	<150	NA	<100	-	-	-	**700**
	06/07/06	**62**	200	**3,100**	**2,500**	<75	NA	<50	-	-	-	**1,000**
	01/11/06	**110**	<100	**2,000**	**2,100**	<100	NA	<100	-	-	-	**930**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-4R (cont.)	10/11/05	**220**	710	**2,900**	**5,000**	<100	NA	<100	-	-	-	**980**
	08/04/05	**150**	190	**3,100**	**7,000**	<100	NA	<100	-	-	-	**1,200**
	05/04/05	**110**	290	**3,600**	**9,200**	<100	NA	<100	-	-	-	**1,100**
BMW-5	10/22/19	**6.7**	<2.0	540	<3.0	<2.0	<2.0	<2.0	<4.0	12	<8.0	12
	02/13/19	<2.0	<2.0	<2.0	49	<2.0	<2.0	<2.0	-	-	-	**38**
	11/14/18	3.6	<1.0	<1.0	73	1.1	<1.0	<1.0	-	-	-	14.3
	08/09/18	<10	<10	<10	63	<10	<10	<10	-	-	-	**32**
	05/02/18	<10	<20	270	200	<20	<20	<20	-	-	-	**120**
	01/05/18	<10	<10	45	420	<10	<10	<10	-	-	-	**120**
	07/28/17	**14**	21	**1,400**	**2,600**	<20	<20	<20	-	-	-	**390**
	04/20/17	<10	16	**2,400**	**5,700**	<10	<10	<10	-	-	-	**787**
	01/20/17	<10	15	**1,900**	**5,100**	<10	<10	<10	-	-	-	**825**
	05/04/05	Well not sampled - presumed destroyed										
	03/12/03 through 10/12/03	Well not sampled - presumed destroyed										
	08/25/01 through 12/12/02	Well not sampled due to presence of NAPL										
	03/24/01	BAL	BAL	BAL	BAL	BAL	BAL	BAL	-	-	-	BAL
	04/07/99	BAL	BAL	BAL	BAL	BAL	BAL	BAL	-	-	-	BAL
BMW-5R	10/22/19	**13**	<10	**820**	450	<10	<10	<10	25	52	<40	**77**
	02/13/19	<5.0	<5.0	350	47	<5.0	<5.0	<5.0	-	-	-	**55**
	11/15/18	<5.0	<5.0	420	270	<5.0	<5.0	<5.0	-	-	-	**108**
	09/12/18	<10	11	**1,300**	**950**	<10	<10	<10	-	-	-	**364**
	08/09/18	<10	10	260	330	<10	<10	<10	-	-	-	**229**
	05/02/18	<20	<20	520	130	<20	<20	<20	-	-	-	**156**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-5R (cont.)	01/05/18	<10	<10	300	240	<10	<10	<10	-	-	-	**238**
	07/28/17	<20	<20	190	**1,700**	<20	<20	<20	-	-	-	**457**
	04/20/17	<10	<10	**1,200**	**1,700**	<10	<10	<10	-	-	-	**573**
	01/20/17	<50	<50	**2,200**	**6,800**	<50	<50	<50	-	-	-	**750**
	02/18/16	Well not sampled - presumed destroyed										
	03/29/12	Well not located										
	10/04/09	**340**	370	**3,900**	**14,000**	80	NA	**10**	-	-	-	**901**
	12/04/08	**370**	540	**4,100**	**14,000**	45	NA	<10	-	-	-	**965**
	07/29/08	**390**	480	**4,500**	**15,000**	<100	NA	<100	-	-	-	**920**
	04/01/08	**440**	860	**4,400**	**17,000**	<50	NA	<50	-	-	-	**1,000**
	10/17/07	**810**	430	**3,700**	**13,000**	**170**	NA	<10	-	-	-	**871**
	07/25/07	**500**	110	**3,600**	**12,000**	61	NA	NA	-	-	-	**942**
	03/14/07	**770**	700	**3,400**	**13,000**	<100	NA	<100	-	-	-	**490**
	12/12/06	**1,300**	830	**4,300**	**19,000**	**490**	NA	**230**	-	-	-	**1,200**
	09/11/06	**1,500**	**1,700**	**4,700**	**19,000**	<380	NA	<250	-	-	-	**1,200**
	06/07/06	**1,700**	**2,500**	**6,600**	**30,000**	**260**	NA	<100	-	-	-	**1,000**
	01/11/06	Well not sampled										
	10/11/05	**1,900**	**7,000**	**6,700**	**25,000**	**370**	NA	<100	-	-	-	**780**
	08/04/05	**1,800**	**6,500**	**4,800**	**22,000**	**340**	NA	<250	-	-	-	**1,300**
	05/04/05	**2,000**	**12,000**	**6,100**	**22,000**	**190**	NA	<100	-	-	-	**760**
BMW-6	02/18/16	Well not sampled - presumed destroyed										
	06/21/03 through 05/04/05	Well not sampled - presumed destroyed										
	08/25/01 through 03/12/03	Well not sampled due to presence of NAPL										

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-6 (cont.)	03/24/01	**5,000**	**13,000**	**4,300**	**20,000**	**280**	<0.010 [c]	<100	-	-	-	NA
	04/07/99	**7,900**	**7,100**	**4,500**	**20,000**	**1,000**	<100	<100	-	-	-	**730**
BMW-7	02/18/16	Well not sampled - presumed destroyed										
	03/29/12	Well not located										
	10/04/09	**340**	400	**2,900**	**13,000**	<10	NA	<10	-	-	-	**949**
	12/04/08	**520**	700	**2,900**	**14,000**	<20	NA	<20	-	-	-	**790**
	07/29/08	**600**	870	**3,400**	**17,000**	<100	NA	<100	-	-	-	**860**
	04/10/08	**950**	**1,200**	**4,300**	**18,000**	<50	NA	<50	-	-	-	**990**
	10/17/07	**770**	880	**3,300**	**16,000**	<10	NA	<10	-	-	-	**1,004**
	07/25/07	**710**	980	**3,100**	**16,000**	<10	NA	NA	-	-	-	**1,038**
	03/14/07	**990**	**1,300**	**2,800**	**15,000**	<100	NA	<100	-	-	-	**630**
	12/12/06	**1,100**	**1,800**	**3,900**	**21,000**	<150	NA	<100	-	-	-	**760**
	09/11/06	**1,500**	**2,300**	**4,000**	**20,000**	<150	NA	<100	-	-	-	**750**
	06/07/06	**2,100**	**3,100**	**5,100**	**25,000**	<150	NA	<100	-	-	-	**1,100**
	01/11/06	**1,900**	**3,300**	**4,800**	**24,000**	<100	NA	<100	-	-	-	**1,200**
	10/11/05	**2,000**	**1,100**	**4,000**	**20,000**	<100	NA	<100	-	-	-	**800**
	08/04/05	**2,500**	**2,800**	**4,600**	**18,000**	<100	NA	<100	-	-	-	**930**
	05/04/05	**2,300**	**2,300**	**4,100**	**23,000**	<100	<100	<100	-	-	-	**710**
	10/12/03 through 01/11/05	Well not sampled due to presence of NAPL										
	06/21/03	**2,300**	**5,600**	**4,800**	**23,000**	**150**	<0.010 [c]	<50	-	-	-	**466**
	03/12/03	Well not sampled due to presence of NAPL										
	12/12/02	Well not sampled due to presence of NAPL										
	01/24/02	**2,600**	**7,500**	**3,900**	**18,000**	73	<20	<20	-	-	-	**930**
	11/20/01	Well not sampled due to presence of NAPL										
	08/25/01	Well not sampled due to presence of NAPL										

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-7	03/24/01	**1,400**	**6,100**	**3,800**	**19,000**	<500	<0.010 [c]	<500	-	-	-	NA
(cont.)	04/07/99	**670**	**2,400**	**2,400**	**12,000**	<100	<100	<100	-	-	-	**440**
BMW-8	10/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/12/19	<1.0	<1.0	<1.0	<1.5	1.8	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	<1.0	<1.5	3.2	<1.0	<1.0	-	-	-	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	2.4	<1.0	<1.0	-	-	-	<10
	05/01/18	<1.0	<1.0	<1.0	<1.5	2.2	<1.0	<1.0	-	-	-	<10
	01/05/18	<1.0	<1.0	<1.0	<1.5	2.4	<1.0	<1.0	-	-	-	<10
	07/26/17	<1.0	<1.0	<1.0	<1.5	7.0	<1.0	<1.0	-	-	-	<10
	04/19/17	<1.0	<1.0	<1.0	<1.5	12	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	<1.0	<1.5	7.4	<1.0	<1.0	-	-	-	<10
	02/16/16	**5.0**	<1.0	<1.0	<1.5	24	<0.010 [c]	<1.0	-	-	-	<10
	03/29/12	Well not located										
	10/04/09	**4,300**	**14,000**	**1,200**	**5,600**	38	NA	<5.0	-	-	-	**444**
	12/04/08	1.5	33	340	**1,900**	<1.0	NA	<1.0	-	-	-	**289**
	07/29/08	<1.0	<1.0	<1.0	<1.5	47	NA	<1.0	-	-	-	<10
	04/01/08	2.1	<1.0	<1.0	<1.5	75	NA	<1.0	-	-	-	<10
	10/17/07	<1.0	<1.0	<1.0	<1.5	34	NA	<1.0	-	-	-	<10
	07/25/07	<1.0	<1.0	<1.0	<1.5	35	NA	NA	-	-	-	<10
	03/13/07	<1.0	<1.0	<1.0	<1.5	57	NA	<1.0	-	-	-	<10
	12/12/06	<1.0	<1.0	<1.0	<3.0	72	NA	<1.0	-	-	-	<10
	09/11/06	<1.0	<1.0	<1.0	<3.0	60	NA	<1.0	-	-	-	<10
	06/07/06	<1.0	<1.0	3.5	<3.0	84	NA	<1.0	-	-	-	<10
	01/11/06	<1.0	<1.0	11	<1.0	45	NA	<1.0	-	-	-	<10
	10/11/05	**6.4**	<1.0	11	<1.0	51	NA	<1.0	-	-	-	<10
	08/04/05	**20**	<1.0	24	5.0	64	NA	<1.0	-	-	-	<10
	05/04/05	<1.0	<1.0	<1.0	<1.0	49	NA	<1.0	-	-	-	<10

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-8 (cont.)	01/11/05	**16**	<1.0	34	<1.0	86	NA	<1.0	-	-	-	<10
	10/15/04	**22**	<1.0	24	<1.0	**100**	NA	<1.0	-	-	-	<10
	07/08/04	**60**	1.2	60	15	89	NA	<1.0	-	-	-	4.8
	04/11/04	**77**	<2.0	100	<2.0	70	NA	<2.0	-	-	-	<20
	10/12/03	**33**	68	57	160	86	<0.010 [c]	<2.0	-	-	-	NA
	06/21/03	**39**	<2.0	39	2.4	83	<0.010 [c]	<2.0	-	-	-	2.7
	03/12/03	**55**	<2.0	63	10	**100**	<0.010 [c]	<2.0	-	-	-	<7.5
	12/12/02	**80**	<2.0	8.7	7.1	**170**	<2.0	<2.0	-	-	-	7.5
	01/24/02	<1.0	<1.0	<1.0	1.6	**120**	<1.0	<1.0	-	-	-	<10
	11/20/01	<1.0	<1.0	<1.0	<1.0	**110**	<1.0	<1.0	-	-	-	NA
	08/25/01	**23**	<2.0	<2.0	25	80	<2.0	<2.0	-	-	-	NA
	03/07/01	**12**	0.69	13	3.2	**130**	<0.010 [c]	NA	-	-	-	NA
BMW-9	10/22/19	<5.0	<5.0	57	<7.5	<5.0	<5.0	<5.0	<10	<20	<20	<20
	02/12/19	<2.0	<2.0	77	3.8	<2.0	<2.0	<2.0	-	-	-	14
	11/14/18	<2.5	<2.5	69	<3.8	<2.5	<2.5	<2.5	-	-	-	11
	08/09/18	<5.0	<5.0	30	<7.5	<5.0	<5.0	<5.0	-	-	-	<50
	01/04/18	<5.0	<5.0	31	<7.5	<5.0	<5.0	<5.0	-	-	-	<50
	07/27/17	<10	<10	170	<15	14	<10	<10	-	-	-	**70**
	04/19/17	<10	<10	440	58	41	<10	<10	-	-	-	**102**
	02/17/16	<10	<10	420	130	11	<0.10 [c]	<10	-	-	-	**136**
	03/30/12	**24**	24	**1,300**	**960**	**100**	<20	<20	-	-	-	**484**
	10/04/09	**28**	31	**880**	**610**	80	<1.0	<1.0	-	-	-	**227**
	12/04/08	<1.0	<1.0	2.3	<1.5	6.7	<1.0	<1.0	-	-	-	<10
	07/29/08	<10	<10	310	150	20	<10	<10	-	-	-	**110**
	05/01/08	<10	<10	58	<15	<10	<10	<10	-	-	-	<100
	04/01/08	**99**	50	**1,400**	**1,700**	**330**	<10	<10	-	-	-	**610**
	10/16/07	**18**	18	**850**	**650**	49	<5.0	<5.0	-	-	-	**222**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-9 (cont.)	07/27/07	**12**	12	**860**	**670**	31	<5.0	<5.0	-	-	-	**360**
	03/13/07	**29**	26	**1,400**	**1,200**	61	<10	<10	-	-	-	**336**
	12/12/06	**63**	56	**1,800**	**1,700**	**120**	<10	<10	-	-	-	**580**
	11/11/06	<10	<10	270	120	11	<10	<10	-	-	-	**117**
	09/11/06	**72**	42	**1,400**	**1,100**	**160**	<10	<10	-	-	-	**616**
	06/06/06	**130**	76	**1,800**	**1,200**	**210**	<10	<10	-	-	-	**489**
	01/10/06	**29**	46	**1,200**	**1,300**	<10	<10	<10	-	-	-	**820**
	10/11/05	**130**	<50	**1,500**	**1,200**	**110**	<50	<50	-	-	-	**950**
	08/03/05	**150**	81	**1,300**	**980**	**220**	<50	<50	-	-	-	**310**
	05/04/05	**110**	85	**1,900**	**1,700**	**140**	<50	**270**	-	-	-	**330**
	01/10/05	**260**	280	**2,100**	**2,700**	**230**	<50	<50	-	-	-	**330**
	10/14/04	**350**	360	**1,500**	**1,900**	**390**	<50	<50	-	-	-	**220**
	07/08/04	**390**	350	**2,200**	**3,100**	**290**	<50	<50	-	-	-	**690**
	04/11/04	**510**	540	**2,400**	**3,400**	**440**	<100	<100	-	-	-	**460**
	10/12/03	**770**	730	**2,400**	**4,100**	**580**	<0.010 [c]	NA	-	-	-	NA
	06/21/03	**430**	400	**2,000**	**2,800**	**250**	<0.010 [c]	NA	-	-	-	NA
	03/11/03	**690**	500	**2,100**	**2,800**	**430**	<0.010 [c]	NA	-	-	-	NA
	01/24/02	**740**	410	**1,800**	**2,500**	**400**	<20	NA	-	-	-	NA
	11/20/01	**720**	320	**1,700**	<200	**350**	<100	NA	-	-	-	NA
	08/25/01	**970**	560	**2,000**	**5,200**	**560**	<50	NA	-	-	-	NA
	03/07/01	**910**	**1,400**	**1,900**	**5,700**	**260**	<0.010 [c]	NA	-	-	-	NA
BMW-10	10/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/12/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	2.6	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	08/08/18	<1.0	<1.0	2.9	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	05/01/18	<1.0	<1.0	4.3	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	01/04/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-10 (cont.)	07/27/17	<1.0	<1.0	1.6	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	04/18/17	<1.0	<1.0	22	<1.5	2.4	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	55	2.5	5.3	<1.0	<1.0	-	-	-	18.3
	02/17/16	<1.0	<1.0	59	3.1	6.3	<0.010 [c]	<1.0	-	-	-	16.1
	03/30/12	<1.0	1.1	200	29	15	<1.0	<1.0	-	-	-	**38**
	10/04/09	<1.0	<1.0	2.7	<1.5	34	<1.0	<1.0	-	-	-	<10
	12/04/08	<1.0	<1.0	5.8	5.5	<1.0	<1.0	<1.0	-	-	-	6.4
	07/29/08	<1.0	<1.0	<1.0	<1.5	20	<1.0	<1.0	-	-	-	5.2
	04/01/08	<1.0	<1.0	77	9.0	67	<1.0	<1.0	-	-	-	**43.7**
	10/16/07	1.2	<1.0	38	1.7	9.9	<1.0	<1.0	-	-	-	<100
	07/24/07	<1.0	<1.0	1.2	<1.5	16	<1.0	<1.0	-	-	-	<10
	03/13/07	<1.0	<1.0	94	3.6	83	<1.0	<1.0	-	-	-	26
	12/12/06	<5.0	<5.0	92	<15	82	<5.0	<5.0	-	-	-	<50
	09/11/06	**7.0**	<5.0	200	<15	82	<5.0	<5.0	-	-	-	21
	06/06/06	**7.4**	<5.0	320	<15	**120**	<5.0	<5.0	-	-	-	15
	01/10/06	<5.0	<5.0	170	7.9	38	<5.0	<5.0	-	-	-	**58**
	10/11/05	**13**	<5.0	190	12	20	<5.0	<5.0	-	-	-	**71**
	08/03/05	**6.4**	<1.0	190	<1.0	3.2	<1.0	<1.0	-	-	-	7.0
	05/04/05	<5.0	<5.0	5.1	<5.0	11	<5.0	<5.0	-	-	-	<50
	01/10/05	<10	<10	230	39	19	<10	NA	-	-	-	24
	10/14/04	**38**	<20	690	<20	56	<20	<20	-	-	-	<200
	07/08/04	**63**	10	400	56	95	<10	<10	-	-	-	**54**
	04/11/04	<10	<10	300	200	11	<10	<10	-	-	-	**120**
	10/12/03	**65**	<20	**740**	21	58	<0.010 [c]	NA	-	-	-	NA
	06/21/03	**100**	<20	**810**	20	**110**	<0.010 [c]	NA	-	-	-	**41.8**
	03/11/03	**76**	<20	**740**	88	**130**	<0.010 [c]	NA	-	-	-	**58**
	12/13/02	**45**	20	**730**	42	23	<0.010 [c]	NA	-	-	-	**32**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-10 (cont.)	01/24/02	**140**	61	**790**	170	**160**	<20	NA	-	-	-	NA
	11/20/01	**150**	72	610	130	99	<10	NA	-	-	-	NA
	08/25/01	**180**	64	**830**	470	**150**	<20	NA	-	-	-	NA
	03/07/01	**300**	370	**930**	**1,300**	**150**	<0.010 [c]	NA	-	-	-	NA
BMW-11	10/21/19	<1.0	<1.0	<1.0	<1.5	8.1	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/12/19	<1.0	<1.0	16	54	5.6	<1.0	<1.0	-	-	-	24
	11/14/18	<1.0	<1.0	<1.0	<1.5	7.8	<1.0	<1.0	-	-	-	<10
	09/12/18	<2.5	<2.5	11	<3.8	8.4	<2.5	<2.5	-	-	-	<15
	08/09/18	<10	<10	<10	16	<10	<10	<10	-	-	-	23
	05/02/18	<10	<10	240	290	<10	<10	<10	-	-	-	**679**
	01/04/18	<5.0	<5.0	130	170	6.0	<5.0	<5.0	-	-	-	**496**
	07/26/17	<10	<10	190	320	<10	<10	<10	-	-	-	**373**
	04/19/17	<5.0	<5.0	330	**810**	12	<5.0	<5.0	-	-	-	**567**
	11/11/16	<5.0	<5.0	57	110	12	<5.0	<5.0	-	-	-	**66**
	02/17/16	<5.0	<5.0	390	**1,400**	10	<0.10 [c]	<5.0	-	-	-	**692**
	03/30/12	<5.0	<5.0	470	**1,700**	7.1	<5.0	<5.0	-	-	-	**416**
	10/04/09	<10	<10	480	110	42	<10	<10	-	-	-	**210**
	12/04/08	**8.7**	270	**3,300**	**11,000**	50	<5.0	<5.0	-	-	-	**1,016**
	04/29/08	<10	120	**3,600**	**11,000**	36	<10	<10	-	-	-	**560**
	04/01/08	**8.7**	650	**4,100**	**13,000**	**160**	<10	<10	-	-	-	**1,270**
	10/16/07	<10	450	**2,000**	**4,300**	**360**	<5.0	<5.0	-	-	-	**950**
	07/25/07	**58**	350	**3,400**	**9,400**	**180**	<5.0	<5.0	-	-	-	**1,240**
	03/14/07	**130**	900	**6,300**	**19,000**	**190**	<50	<50	-	-	-	**950**
	12/12/06	<5.0	<5.0	92	<15	23	<5.0	<5.0	-	-	-	<5.0
	09/11/06	**87**	140	**1,700**	**3,400**	**260**	<10	<10	-	-	-	**740**
	06/06/06	**240**	**1,500**	**7,100**	**23,000**	<150	<100	<100	-	-	-	**1,100**
	01/10/06	**420**	**1,400**	**5,600**	**17,000**	**240**	<20	<20	-	-	-	**990**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-11 (cont.)	10/11/05	**150**	<100	**1,500**	**1,700**	**200**	<100	<100	-	-	-	**570**
	08/03/05	**320**	**1,500**	**4,300**	**6,600**	**210**	<100	<100	-	-	-	**850**
	05/04/05	**530**	**5,100**	**6,100**	**18,000**	**380**	<100	<100	-	-	-	**730**
	01/10/05	**810**	**7,600**	**4,300**	**15,000**	**810**	<100	<100	-	-	-	**620**
	10/14/04	**790**	**6,800**	**4,100**	**15,000**	**1,000**	<100	<100	-	-	-	**460**
	07/08/04	**1,000**	**3,700**	**3,400**	**8,400**	**1,100**	<50	<50	-	-	-	**430**
	04/11/04	**520**	**4,100**	**2,500**	**7,000**	**400**	<100	<100	-	-	-	**350**
	10/12/03	**1,600**	**14,000**	**4,500**	**15,000**	**1,300**	<0.010 [c]	NA	-	-	-	NA
	06/21/03	**1,000**	**3,600**	**2,900**	**6,000**	**710**	<0.010 [c]	NA	-	-	-	**164**
	03/11/03	**910**	**5,000**	**2,900**	**6,200**	**770**	<0.010 [c]	NA	-	-	-	**178**
	12/23/02	**1,200**	**11,000**	**3,400**	**12,000**	**1,500**	<0.010 [c]	NA	-	-	-	**243**
	01/24/02	**1,200**	**4,700**	**3,300**	**9,600**	**750**	<50	NA	-	-	-	NA
	11/20/01	**1,400**	**4,700**	**3,200**	**11,000**	**1,300**	<250	NA	-	-	-	NA
BMW-12	10/23/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/12/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	05/01/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	01/04/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/26/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	04/18/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	02/17/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 [c]	<1.0	-	-	-	<10
	03/30/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	10/04/09	<1.0	<1.0	<1.0	<1.5	1.2	<1.0	<1.0	-	-	-	<10
	07/19/08	1.6	29	**990**	**4,400**	12	<1.0	<1.0	-	-	-	**398**
	04/01/08	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-12 (cont.)	03/13/07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	12/12/06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	-	-	-	<10
	09/11/06	<1.0	<1.0	8.5	<3.0	<1.5	<1.0	<1.0	-	-	-	**39.8**
	06/06/06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	-	-	-	7.1
	01/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	13.3
	10/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	**30**
	08/03/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	11.2
	05/04/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	12.3
	01/10/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	-	-	-	**58**
	10/14/04	<5.0	<5.0	**920**	9.8	<5.0	<5.0	<5.0	-	-	-	**730**
	07/08/04	<10	<10	<10	<10	<10	<10	<10	-	-	-	**95**
	04/11/04	<10	<10	450	<10	<10	<10	<10	-	-	-	**610**
	10/12/03	<10	<10	590	**810**	<10	<0.010 [c]	NA	-	-	-	NA
	06/21/03	<10	<10	510	<10	<10	<0.010 [c]	NA	-	-	-	**227**
	03/11/03	<10	<10	590	20.0	<10	<0.010 [c]	NA	-	-	-	**223**
	12/13/02	<10	48	**1,400**	95.0	<10	<0.010 [c]	NA	-	-	-	**428**
	01/24/02	**1,300**	**5,600**	**3,300**	**10,000**	**800**	<10	NA	-	-	-	NA
	11/20/01	<1.0	1.2	**900**	49.0	<1.0	<1.0	NA	-	-	-	NA
	08/25/01	**2,100**	**9,700**	**4,000**	**16,000**	**1,700**	<250	NA	-	-	-	NA
	03/07/01	<10	70	200	**2,400**	<50	<0.010 [c]	NA	-	-	-	NA
BMW-14	10/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/12/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	09/12/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	05/01/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	01/03/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-14 (cont.)	07/27/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	04/18/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	02/16/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 [c]	<1.0	-	-	-	<10
	03/30/12	Well not sampled										
	03/13/07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	12/12/06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	-	-	-	<10
	09/11/06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	-	-	-	<10
	06/06/06	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	-	-	-	<10
	01/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	10/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	08/03/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	05/04/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	01/10/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	10/14/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	07/08/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	04/11/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	10/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010 [c]	NA	-	-	-	NA
	06/21/03	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010 [c]	NA	-	-	-	NA
	12/13/02	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010 [c]	NA	-	-	-	NA
BMW-15	10/22/19	<2.0	<2.0	170	14	<2.0	<2.0	<2.0	8.0	51	<8.0	**59**
	02/12/19	<1.0	<1.0	39	6.3	<1.0	<1.0	<1.0	-	-	-	25
	11/15/18	<1.0	<1.0	1.6	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	08/09/18	<2.0	<2.0	160	<3.0	<2.0	<2.0	<2.0	-	-	-	**52**
	05/01/18	<2.0	<2.0	130	<3.0	<2.0	<2.0	<2.0	-	-	-	**61**
	01/04/18	<1.0	<1.0	71	<1.5	1.2	<1.0	<1.0	-	-	-	20
	07/27/17	<10	<10	<10	<15	<10	<10	<10	-	-	-	**67**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-15 (cont.)	04/19/17	<1.0	<1.0	290	<1.5	29	<1.0	<1.0	-	-	-	**80.9**
	11/11/16	<1.0	<1.0	36	5.5	1.9	<1.0	<1.0	-	-	-	20.2
	02/17/16	<1.0	1.2	250	15	4.4	<0.010 [c]	<1.0	-	-	-	**147**
	03/30/12	**23**	52	**1,100**	**2,300**	**230**	<2.0	<2.0	-	-	-	**640**
	10/04/09	**6.6**	<5.0	130	55	12	<5.0	<5.0	-	-	-	13
	12/04/08	**9.6**	13	630	270	36	<1.0	<1.0	-	-	-	**197**
	07/29/08	<10	<10	600	260	30	<10	<10	-	-	-	**262**
	04/01/08	<1.0	63	**1,300**	**2,300**	**210**	<5.0	<5.0	-	-	-	**1,040**
	10/16/07	<1.0	<10	140	120	16	<10	<10	-	-	-	<100
	07/27/07	**12**	73	**1,800**	**3,300**	<10	<10	<10	-	-	-	**1,140**
	12/12/06	**120**	190	**3,800**	**11,000**	**160**	<10	<10	-	-	-	**1,230**
	09/11/06	**26**	35	520	**1,000**	29	<10	<10	-	-	-	**95**
	06/06/06	**160**	370	**3,800**	**12,000**	**220**	<10	<10	-	-	-	**1,270**
	01/10/06	**46**	210	**3,400**	**9,200**	<5.0	<5.0	<5.0	-	-	-	**1,480**
	10/11/05	**5.6**	<5.0	87	250	20	<5.0	<5.0	-	-	-	14
	08/03/05	**120**	760	**2,800**	**9,300**	<100	<100	<100	-	-	-	**680**
	05/04/05	**170**	600	**4,000**	**15,000**	**130**	<100	<100	-	-	-	**840**
	01/10/05	**570**	**2,800**	**4,100**	**17,000**	**200**	<100	<100	-	-	-	**1,000**
	10/14/04	<1.0	3.6	6.3	31	8.4	<1.0	<1.0	-	-	-	<10
	07/08/04	**26**	16	45	150	21	<1.0	<1.0	-	-	-	41.9
	04/11/04	**22**	17	14	100	9.9	<1.0	<1.0	-	-	-	10
	10/12/03	**85**	63	56	**690**	32	<0.010 [c]	NA	-	-	-	NA
	06/21/03	**44**	39	78	410	21	<0.010 [c]	NA	-	-	-	**31.7**
	03/11/03	**100**	160	190	**1,000**	54	<0.010 [c]	NA	-	-	-	**72**
	12/13/02	**52**	360	640	**2,500**	<50	<0.010 [c]	NA	-	-	-	**181**
BMW-16	10/23/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/12/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-16 (cont.)	11/14/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	01/04/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/27/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	04/18/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	02/17/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 [c]	<1.0	-	-	-	<10
	03/30/12	Well not sampled										
	05/01/08	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	10/16/07	<1.0	<1.0	<1.0	<1.5	<10	<1.0	<1.0	-	-	-	<10
	07/27/07	<1.0	<1.0	<1.0	<1.5	<10	<1.0	<1.0	-	-	-	<10
	03/13/07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	12/12/06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	-	-	-	<10
	09/11/06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	-	-	-	<10
	06/06/06	<1.0	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	-	-	-	<10
	01/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	10/11/05	<1.0	<1.0	<1.0	<1.0	2.8	<1.0	<1.0	-	-	-	<10
	08/03/05	<1.0	<1.0	<1.0	<1.0	2.8	<1.0	<1.0	-	-	-	<10
	05/04/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	01/10/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	10/14/04	<1.0	<1.0	<1.0	<1.0	2.5	<1.0	<1.0	-	-	-	<10
	04/11/04	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	-	-	-	<10
	10/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010 [c]	NA	-	-	-	NA
	06/21/03	<1.0	<1.0	<1.0	<1.0	1.7	<0.010 [c]	NA	-	-	-	<7.5
	03/11/03	<1.0	<1.0	<1.0	<1.0	4.1	<0.010 [c]	NA	-	-	-	<7.5
	12/13/02	<1.0	<1.0	<1.0	2.7	1.3	<0.010 [c]	NA	-	-	-	<7.5

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-17	02/15/16	Well not located - presumed destroyed										
	03/30/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/29/08	1.4	24	470	**1,400**	11	<1.0	<1.0	-	-	-	**205**
	04/01/08	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	10/16/07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/25/07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	03/13/07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	12/12/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-	-	<10
	09/11/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-	-	<10
	06/06/06	<1.0	<1.0	<1.0	3.0	<1.0	<1.0	<1.0	-	-	-	<10
	01/10/06	<10	<10	71	<10	<1.0	<1.0	<1.0	-	-	-	<10
	10/11/05	<10	<10	120	58	<1.0	<1.0	<1.0	-	-	-	<10
	08/03/05	<1.0	<1.0	41	7.1	<1.0	<1.0	<1.0	-	-	-	<10
	05/04/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	01/10/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	10/14/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	07/08/04	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	04/11/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	10/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	06/21/03	<1.0	<1.0	27	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	03/11/03	<1.0	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	12/13/02	<1.0	<1.0	12	1.0	<1.0	<1.0	<1.0	-	-	-	<10
BMW-18	10/21/19	<2.0	<2.0	140	<3.0	4.2	<2.0	<2.0	<4.0	9.8	<8.0	9.8
	02/12/19	<1.0	<1.0	49	6.9	3.2	<1.0	<1.0	-	-	-	17.8
	11/15/18	<1.0	<1.0	51	1.8	2.7	<1.0	<1.0	-	-	-	28
	09/12/18	<10	<10	310	160	<10	<10	<10	-	-	-	**470**
	08/09/18	<10	<10	26	150	<10	<10	<10	-	-	-	**810**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-18 (cont.)	05/02/18	<20	<20	**790**	330	<20	<20	<20	-	-	-	**920**
	01/04/18	<10	<10	**740**	320	<10	<10	<10	-	-	-	**676**
	07/26/17	<20	<20	**1,300**	**960**	<20	<20	<20	-	-	-	**1,080**
	04/19/17	<5.0	<5.0	**1,300**	**1,000**	<5.0	<5.0	<5.0	-	-	-	**1,180**
	11/10/16	<1.0	1.2	**1,100**	**870**	6.3	<1.0	<1.0	-	-	-	**819**
	02/17/16	<1.0	<1.0	98	62	6.2	<0.010 [c]	<1.0	-	-	-	**61.6**
	03/30/12	<1.0	1.2	180	270	<1.0	<1.0	<1.0	-	-	-	**66.7**
	07/29/08	**18**	50	**5,500**	**11,000**	<10	<10	<10	-	-	-	**855**
	04/01/08	**210**	270	**4,800**	**8,100**	**100**	<5.0	<5.0	-	-	-	**1,780**
	10/16/07	**27**	<10	**790**	590	24	<10	<10	-	-	-	**940**
	07/25/07	**230**	300	**6,900**	**8,600**	78	<10	<10	-	-	-	**2,050**
	03/13/07	**140**	97	**3,700**	**5,500**	78	<10	<10	-	-	-	**570**
	12/12/06	**53**	<10	**750**	590	40	<10	<10	-	-	-	**120**
	09/11/06	**270**	220	**3,000**	**5,300**	**160**	<10	<10	-	-	-	**1,130**
	06/06/06	**580**	450	**8,200**	**17,000**	<150	<100	<100	-	-	-	**1,500**
	10/11/05	**150**	<100	**1,500**	**1,700**	**200**	<100	<100	-	-	-	**570**
	08/03/05	**1,200**	700	**11,000**	**20,000**	**530**	<250	<250	-	-	-	**4,000**
	05/04/05	**730**	**2,100**	**6,000**	**22,000**	**860**	<50	<50	-	-	-	**1,450**
	01/10/05	**520**	640	**1,900**	**5,300**	**150**	<20	<20	-	-	-	**425**
	10/14/04	**210**	470	**930**	**1,800**	57	<10	<10	-	-	-	**240**
	07/08/04	**60**	51	250	310	**230**	<10	<10	-	-	-	**53**
	04/11/04	**74**	98	370	460	20	<10	<10	-	-	-	**79**
	10/12/03	**680**	**2,000**	**3,100**	**5,900**	**160**	<0.010 [c]	NA	-	-	-	NA
	06/21/03	**90**	150	420	**1,100**	20	<0.010 [c]	NA	-	-	-	**36.5**
	03/11/03	**67**	180	240	**940**	20	<0.010 [c]	NA	-	-	-	**75**
	12/13/02	**130**	**1,400**	**1,000**	**4,000**	<50	<0.010 [c]	NA	-	-	-	**175**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-19	02/15/16	Well not located - presumed destroyed										
	03/30/12	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/29/08	Well not sampled										
	04/01/08	Well not sampled										
	10/16/07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/25/07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	03/13/07	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	12/12/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-	-	<10
	09/11/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-	-	<10
	06/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	01/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	10/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	08/03/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	05/04/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	01/10/05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	10/14/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	07/08/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	04/22/04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<10
	10/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010 [c]	NA	-	-	-	NA
	06/21/03	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010 [c]	NA	-	-	-	<7.5
	03/11/03	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010 [c]	NA	-	-	-	<7.5
	12/13/02	<1.0	7.4	9.7	43	<1.0	<0.010 [c]	NA	-	-	-	<7.5
BMW-20	10/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/12/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	05/01/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-20 (cont.)	01/05/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/26/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	04/18/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	02/15/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 [c]	<1.0	-	-	-	<10
	03/30/12	Well not located										
	10/17/07	Well not sampled										
	03/13/07	<1.0	<1.0	<1.0	<1.5	<1.0	NA	<1.0	-	-	-	<10
	12/12/06	<1.0	<1.0	<1.0	<3.0	<1.0	NA	<1.0	-	-	-	<10
	09/11/06	<1.0	<1.0	<1.0	<3.0	<1.0	NA	<1.0	-	-	-	<10
	01/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	-	-	-	<10
	10/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	-	-	-	<10
	08/04/05	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	-	-	-	<10
	05/04/05	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	-	-	-	<10
	01/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	-	-	-	<10
	10/15/04	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	-	-	-	<10
	07/08/04	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	-	-	-	<10
	04/12/04	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	-	-	-	<10
	10/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	-	-	-	NA
	06/21/03	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010 [c]	<1.0	-	-	-	<7.5
	03/12/03	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010 [c]	<1.0	-	-	-	<7.5
	12/12/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	<7.5
BMW-21	10/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/12/19	<1.0	<1.0	1.7	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	08/09/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	05/01/18	<1.0	<1.0	2.5	2.9	<1.0	<1.0	<1.0	-	-	-	<10

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-21 (cont.)	01/04/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/28/17	<1.0	<1.0	1.5	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	04/19/17	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	2.0	2.1	<1.0	<1.0	<1.0	-	-	-	<10
	02/15/16	<1.0	<1.0	28	97	<1.0	<0.010 [c]	<1.0	-	-	-	12
	03/30/12	<1.0	4.9	18	41	14	<1.0	<1.0	-	-	-	5.2
	10/04/09	**66**	59	97	**3,500**	6.5	NA	<1.0	-	-	-	**478**
	12/04/08	1.6	2.0	14	59	3.1	NA	<1.0	-	-	-	9.8
	07/29/08	**58**	65	570	**4,000**	<10	NA	<10 d	-	-	-	**494**
	04/01/08	**110**	19	560	**1,200**	<10	NA	<10 d	-	-	-	**93**
	10/17/07	**190**	7.3	640	400	5.5	NA	<5.0 d	-	-	-	**200**
	07/25/07	**270**	300	**1,400**	**7,800**	<5.0	NA	NA	-	-	-	**760**
	03/14/07	**270**	100	**860**	**2,700**	<10	NA	<10 d	-	-	-	**150**
	12/12/06	**63**	<10	110	410	<15	NA	<10 d	-	-	-	24
	09/11/06	**320**	100	**880**	520	<15	NA	<10 d	-	-	-	**368**
	06/07/06	**43**	80	250	**1,300**	<15	NA	<10 d	-	-	-	**61**
	01/11/06	**130**	100	450	**1,700**	7.3	NA	<5.0 d	-	-	-	**136**
	10/11/05	**57**	18	<10	400	<1.0	NA	<10 d	-	-	-	**46**
	08/04/05	**640**	280	**1,600**	**13,000**	<50	NA	<50 d	-	-	-	**600**
	05/04/05	**320**	170	170	**4,900**	56	NA	<50 d	-	-	-	**390**
	01/11/05	2.8	<1.0	<1.0	<1.0	4.2	NA	<1.0	-	-	-	<10
	10/15/04	**1,200**	830	**2,000**	**4,000**	<5.0	NA	**233**	-	-	-	**120**
	07/08/04	<1.0	120	240	400	17	NA	<1.0	-	-	-	16.9
	04/11/04	**6.0**	6.2	2.3	18	6.4	NA	<1.0	-	-	-	<10
	10/12/03	**850**	710	**1,200**	**2,600**	34	NA	<5.0	-	-	-	NA
	06/21/03	**140**	100	170	420	16	<0.010 [c]	<5.0	-	-	-	6.5

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-21	03/12/03	**100**	18	160	390	9.3	<0.010 [c]	<5.0	-	-	-	10.9
(cont.)	12/12/02	**25**	170	130	**630**	9.7	<0.010 [c]	<1.0	-	-	-	14.9
BMW-22	10/22/19	<2.0	<2.0	72	28	<2.0	<2.0	<2.0	6.5	33	<8.0	**39.5**
	02/13/19	<2.0	<2.0	29	21	<2.0	<2.0	<2.0	-	-	-	27
	11/14/18	<2.0	<2.0	50	36	<2.0	<2.0	<2.0	-	-	-	**45**
	08/09/18	<2.0	<2.0	4.8	<3.0	<2.0	<2.0	<2.0	-	-	-	<20
	05/02/18	<2.0	<2.0	86	6.8	<2.0	<2.0	<2.0	-	-	-	**41**
	01/03/18	<1.0	<1.0	52	53	<1.0	<1.0	<1.0	-	-	-	**57**
	07/27/17	<2.0	<2.0	3.5	3.2	<2.0	<2.0	<2.0	-	-	-	13
	04/19/17	<5.0	<5.0	57	190	<5.0	<5.0	<5.0	-	-	-	**98**
	11/11/16	<10	<10	39	39	<10	<10	<10	-	-	-	<100
	02/15/16	<10	<10	240	390	<10	<0.10 [c]	<10	-	-	-	**330**
	03/29/12	Well not located										
	10/04/09	<5.0	5.3	49	230	19	NA	<5.0	-	-	-	13
	12/04/08	<5.0	5.3	80	430	<5.0	NA	<5.0	-	-	-	**76**
	07/29/08	<10	240	**1,600**	**9,700**	<10	NA	<10	-	-	-	**1,820**
	04/01/08	**14**	210	**2,100**	**12,000**	<10	NA	<10	-	-	-	**1,037**
	10/17/07	<10	65	390	**2,600**	<10	NA	<10	-	-	-	**201**
	07/25/07	**19**	320	**1,800**	**11,000**	<10	NA	<10	-	-	-	**1,620**
	03/14/07	**32**	400	**3,500**	**20,000**	<10	NA	<10	-	-	-	**979**
	12/12/06	**53**	340	**1,300**	**5,600**	<75	NA	<75	-	-	-	**230**
	09/11/06	**13**	150	**1,100**	**4,700**	<15	NA	<15	-	-	-	**526**
	06/07/06	**32**	450	**1,300**	**9,000**	<15	NA	<15	-	-	-	**651**
	01/11/06	**30**	380	**1,900**	**9,700**	<5.0	NA	<5.0	-	-	-	**605**
	10/11/05	<5.0	36	130	**650**	<5.0	NA	<5.0	-	-	-	25
	08/04/05	<10	72	260	**1,300**	<10	NA	<10	-	-	-	**134**
	05/04/05	**160**	**2,000**	**4,200**	**23,000**	<10	NA	<10	-	-	-	**1,060**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
BMW-22 (cont.)	01/11/05	Well not sampled - vehicle parked over well										
	10/15/04	Well not located										
	03/12/03 through 07/08/04	Well not sampled due to presence of NAPL										
	12/12/02	**91**	**1,600**	**1,700**	**4,900**	<10	<10	<10	-	-	-	**444**
DBS-1	10/22/19	<2.0	<2.0	21	<3.0	2.5	<2.0	<2.0	17	<8.0	<8.0	17
	02/12/19	<1.0	<1.0	88	4.3	1.3	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	99	10	<1.0	<1.0	<1.0	-	-	-	<10
	08/09/18	<2.0	<2.0	200	25	2.4	<2.0	<2.0	-	-	-	<20
	05/02/18	2.1	2.4	600	140	5.5	<2.0	<2.0	-	-	-	**30**
	01/05/18	<5.0	<5.0	210	83	<5.0	<5.0	<5.0	-	-	-	21
	07/26/17	1.6	2.1	440	290	<2.0	<2.0	<2.0	-	-	-	**68**
	04/19/17	1.6	6.6	510	**760**	1.3	<1.0	<1.0	-	-	-	**71**
	11/11/16	<1.0	<1.0	65	65	1.7	<1.0	<1.0	-	-	-	7.3
	02/18/16	3.4	8.9	490	**1,100**	<1.0	<0.10 [c]	<1.0	-	-	-	**94.9**
DBS-2	10/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/12/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	05/01/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	01/04/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/26/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	04/18/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	02/16/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 [c]	<1.0	-	-	-	<10

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
DBS-3	10/21/19	<1.0	<1.0	<1.0	<1.5	1.1	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/12/19	<1.0	<1.0	<1.0	<1.5	1.7	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	<1.0	<1.5	1.5	<1.0	<1.0	-	-	-	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	1.4	<1.0	<1.0	-	-	-	<10
	05/01/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	01/03/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/26/17	<1.0	<1.0	<1.0	<1.5	5.7	<1.0	<1.0	-	-	-	<10
	04/18/17	<1.0	<1.0	<1.0	<1.5	3.7	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	<1.0	<1.5	8.7	<1.0	<1.0	-	-	-	<10
	02/16/16	1.7	<1.0	<1.0	<1.5	11	<0.010 [c]	<1.0	-	-	-	<10
DBS-4	10/22/19	1.3	1.9	430	310	<1.0	<1.0	<1.0	21	18	<4.0	**39**
	02/12/19	<1.0	<1.0	24	78	<1.0	<1.0	<1.0	-	-	-	17.5
	11/14/18	<1.0	1.7	64	200	<1.0	<1.0	<1.0	-	-	-	21.5
	08/08/18	<1.0	2.7	71	210	<1.0	<1.0	<1.0	-	-	-	29.0
	05/02/18	<1.0	<1.0	13	44	<1.0	<1.0	<1.0	-	-	-	2.8
	01/03/18	<1.0	1.8	48	170	<1.0	<1.0	<1.0	-	-	-	24.7
	07/27/17	<1.0	1.8	41	180	<1.0	<1.0	<1.0	-	-	-	22
	04/19/17	<1.0	<1.0	8.9	20	<1.0	<1.0	<1.0	-	-	-	<10
	11/11/16	<1.0	<1.0	10	39	<1.0	<1.0	<1.0	-	-	-	2.7
	02/18/16	<10	11	170	**1,100**	<10	<0.10 [c]	<10	-	-	-	**122**
DBS-5	10/22/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<2.0	<4.0	<4.0	<4.0
	02/11/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	09/12/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	05/01/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	01/03/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
DBS-5 (cont.)	07/26/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	04/18/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	02/15/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 [c]	<1.0	-	-	-	<10
DBS-6	02/11/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/14/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	08/09/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	05/01/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	01/04/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/26/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	04/18/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	11/10/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	02/15/16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.010 [c]	<1.0	-	-	-	<10
P-5	03/30/12	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	-	-	-	<20
	10/04/09	**41**	39	55	**2,600**	4.1	NA	<1.0	-	-	-	**362**
	12/04/08	<1.0	<1.0	<1.0	<1.5	3.9	NA	<1.0	-	-	-	<10
	07/29/08	<1.0	<1.0	<1.0	<1.5	49	NA	<1.0	-	-	-	<10
	04/01/08	<1.0	<1.0	<1.0	<1.5	<1.0	NA	<1.0	-	-	-	<10
	10/17/07	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	-	-	-	<10
	07/25/07	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	-	-	-	<10
W-1	10/23/19	<2.0	<2.0	**770**	<3.0	<2.0	<2.0	<2.0	36	59	<8.0	**95**
	02/11/19	<2.0	3.2	**770**	120	<2.0	<2.0	<2.0	-	-	-	**103**
	11/15/18	<1.0	3.2	65	140	<1.0	<1.0	<1.0	-	-	-	**51**
	09/12/18	<2.0	5.0	550	230	<2.0	<2.0	<2.0	-	-	-	**96**
	08/08/18	<5.0	<5.0	150	70	<5.0	<5.0	<5.0	-	-	-	26
	05/02/18	<5.0	<5.0	140	46	<5.0	<5.0	<5.0	-	-	-	**132**
	07/26/17	<5.0	<5.0	26	40	<5.0	<5.0	<5.0	-	-	-	12

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
W-1 (cont.)	04/18/17	<1.0	6.6	360	380	<1.0	<1.0	<1.0	-	-	-	**317**
	11/11/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	02/17/16	<1.0	48	**700**	**1,100**	<1.0	<0.010 [c]	<1.0	-	-	-	**264**
	03/29/12	Well not located										
	10/04/09	<1.0	<1.0	7.7	8.5	**860**	<1.0	<1.0	-	-	-	5.0
	12/04/08	<5.0	35	220	**340**	**860**	<5.0	<5.0	-	-	-	**70**
	07/29/08	Well not sampled										
	04/02/08	**10**	<5.0	350	76	<5.0	<5.0	<5.0	-	-	-	**89**
	01/04/08	<1.0	<1.0	63	20	<1.0	<1.0	<1.0	-	-	-	**87**
	10/16/07	**25**	30	170	**1,500**	<5.0	<5.0	<5.0	-	-	-	**255**
	07/25/07	**96**	350	320	**1,700**	<5.0	<5.0	<5.0	-	-	-	**630**
	03/13/07	**34**	290	25	**1,400**	<10	<10	<10	-	-	-	**262**
	12/12/06	**37**	100	680	**1,200**	<15	<10	<10	-	-	-	**307**
	09/11/06	**43**	150	260	**920**	<15	<10	<10	-	-	-	**790**
	06/06/06	**63**	37	**800**	320	<50	<10	<10	-	-	-	**440**
	01/10/06	**180**	**1,800**	**2,300**	**9,200**	<50	<50	<50	-	-	-	**1,490**
	10/11/05	**220**	**1,200**	**2,800**	**20,000**	<50	<50	<50	-	-	-	**1,730**
	08/03/05	**190**	**1,500**	**2,000**	**8,800**	<100	<100	<100	-	-	-	**610**
	05/04/05	**310**	**4,200**	**4,200**	**17,000**	71	<50	<50	-	-	-	**970**
	01/10/05	**410**	**3,400**	**2,300**	**10,000**	<100	<100	<100	-	-	-	**680**
	10/14/04	**370**	**4,600**	**2,600**	**14,000**	78	<50	<50	-	-	-	**1,140**
	07/08/04	**320**	**3,700**	280	**14,000**	<100	<100	<100	-	-	-	**540**
	04/11/04	**260**	**5,500**	**1,600**	**13,000**	**100**	<100	<100	-	-	-	**770**
	10/12/03	**500**	**7,000**	**2,100**	**16,000**	<250	<0.010 [c]	NA	-	-	-	NA
	06/21/03	**620**	**7,800**	**2,100**	**18,000**	**130**	<0.010 [c]	NA	-	-	-	**570**
	03/11/03	**780**	**9,100**	**2,200**	**14,000**	**210**	<0.010 [c]	NA	-	-	-	NA
	12/13/02	**720**	**9,400**	**2,500**	**16,000**	**170**	<0.010 [c]	NA	-	-	-	**441**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
W-1 (cont.)	01/24/02	**1,200**	**12,000**	**2,700**	**16,000**	**280**	<20	NA	-	-	-	NA
	11/20/01	**980**	**9,300**	**2,300**	**14,000**	**260**	<250	NA	-	-	-	NA
	08/25/01	**1,700**	**14,000**	**3,200**	**21,000**	**250**	<100	NA	-	-	-	NA
	03/24/01	**1,600**	**14,000**	**3,100**	**20,000**	**260**	<100	NA	-	-	-	NA
	06/27/99	**6,000**	**31,000**	**6,900**	**37,000**	**470**	0.25 [c]	NA	-	-	-	NA
W-2	10/23/19	<1.0	<1.0	4.2	<1.5	<1.0	<1.0	<1.0	<2.0	11	<4.0	11
	02/13/19	<1.0	<1.0	1.1	<1.5	<1.0	<1.0	<1.0	-	-	-	4.8
	11/14/18	<1.0	<1.0	1.1	<1.5	<1.0	<1.0	<1.0	-	-	-	4.9
	08/08/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	4.0
	05/01/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	01/04/18	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	<10
	07/27/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	7.3
	04/19/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	6.0
	11/10/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	-	-	-	4.5
	02/17/16	<1.0	<1.0	1.4	<1.5	<1.0	<0.10 [c]	<1.0	-	-	-	11
	10/16/07 through 03/29/12	Well not sampled										
	03/13/07	<1.0	<1.0	23	<1.5	<1.0	<1.0	<1.0	-	-	-	**56.3**
	12/12/06	<5.0	<5.0	53	<15	<7.5	<5.0	<10	-	-	-	**294**
	09/11/06	<10	<10	97	<30	<15	<10	<10	-	-	-	**294**
	06/06/06	<10	<10	91	<30	<15	<10	<10	-	-	-	**410**
	01/10/06	Well not sampled										
	10/11/05	Well not sampled										
	05/04/05	<5.0	<5.0	180	7.2	<5.0	<5.0	<5.0	-	-	-	**194**
	01/10/05	<5.0	<5.0	130	<5.0	<5.0	<5.0	<5.0	-	-	-	**211**
	10/14/04	<10	<10	250	<10	<10	<10	<10	-	-	-	**290**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
W-2 (cont.)	07/08/04	<10	<10	76	<10	<10	<10	<10	-	-	-	**374**
	04/11/04	<10	<10	130	<10	<10	<10	<10	-	-	-	**312**
	10/12/03	<10	<10	400	510	<10	<0.010 [c]	NA	-	-	-	NA
	06/21/03	<10	<10	200	<10	<10	<0.010 [c]	NA	-	-	-	**131**
	03/11/03	<10	<10	210	25	<10	<0.010 [c]	NA	-	-	-	**228**
	12/13/02	<10	<10	320	22	<10	<0.010 [c]	NA	-	-	-	**185**
	06/27/99	<10	50	**2,600**	**2,100**	<10	<0.010 [c]	NA	-	-	-	NA
W-3	10/23/19	**19**	21	**1,700**	**980**	<10	<10	<10	320	82	48	**450**
	02/13/19	**6.8**	20	**810**	350	<5.0	<5.0	<5.0	-	-	-	**181**
	11/15/18	<10	30	**1,000**	570	<10	<10	<10	-	-	-	**245**
	09/12/18	<20	260	**2,000**	**2,700**	<20	<20	<20	-	-	-	**550**
	08/09/18	**30**	**1,300**	**2,200**	**4,800**	<20	<20	<20	-	-	-	**664**
	05/02/18	<20	110	**1,200**	**660**	<20	<20	<20	-	-	-	**500**
	01/04/18	<10	41	**880**	310	<10	<10	<10	-	-	-	**241**
	07/26/17	**11**	420	**2,200**	**2,100**	<20	<20	<20	-	-	-	**590**
	04/19/17	<10	610	**2,500**	**2,800**	12	<10	<10	-	-	-	**743**
	11/11/16	<50	180	**2,100**	**1,200**	<50	<50	<50	-	-	-	**500**
	02/17/16	<50	430	**2,500**	**2,000**	<50	<0.10 [c]	<50	-	-	-	**860**
	03/30/12	**72**	430	**1,400**	**1,800**	**210**	<10	<10	-	-	-	**820**
	10/04/09	<1.0	<1.0	7.7	8.5	**860**	<5.0	<5.0	-	-	-	**770**
	12/04/08	<5.0	35	220	**340**	**860**	<5.0	<5.0	-	-	-	**860**
	07/29/08	**10**	<5.0	350	76	<5.0	<10	<10	-	-	-	**429**
	04/01/08	**10**	<5.0	350	76	<5.0	<50	<50	-	-	-	**830**
	10/16/07	**25**	30	170	**1,500**	<5.0	<10	<10	-	-	-	**817**
	07/25/07	**96**	350	320	**1,700**	<5.0	<10	<10	-	-	-	**1,269**
	03/13/07	**34**	290	25	**1,400**	<10	<100	<100	-	-	-	**1,000**
	12/12/06	**37**	100	680	**1,200**	<15	<10	<10	-	-	-	**1,320**

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
W-3 (cont.)	09/11/06	**43**	150	260	**920**	<15	<5.0	<5.0	-	-	-	**2,820**
	06/06/06	**63**	37	**800**	320	<50	<100	<100	-	-	-	**1,100**
	01/10/06	**180**	**1,800**	**2,300**	**9,200**	<50	<100	<100	-	-	-	**2,610**
	10/11/05	**220**	**1,200**	**2,800**	**20,000**	<50	<100	<100	-	-	-	**1,980**
	08/03/05	**190**	**1,500**	**2,000**	**8,800**	<100	<250	<250	-	-	-	**2,000**
	05/04/05	**310**	**4,200**	**4,200**	**17,000**	71	<100	<100	-	-	-	**990**
	12/13/02 through 07/08/04	Well not sampled due to presence of NAPL										
	01/24/02	**3,400**	**13,000**	**3,300**	**14,000**	**2,900**	<50	NA	-	-	-	NA
	11/20/01	**1,900**	**6,300**	**2,200**	**9,900**	**2,700**	<250	NA	-	-	-	NA
	08/25/01	**3,200**	**11,000**	**2,900**	**15,000**	**3,100**	<250	NA	-	-	-	NA
	03/24/01	**3,500**	**13,000**	**3,100**	**12,000**	**1,100**	<100	NA	-	-	-	NA
	06/27/99	**7,500**	**19,000**	**5,900**	**31,000**	**2,200**	<0.010 [c]	NA	-	-	-	NA
Tap Samples[d]												
Dominguez	10/21/19	<0.50	<0.50	<0.50	<0.50	NA	NA	<0.50	-	-	-	NA
	02/13/19	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	11/15/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	08/09/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	05/01/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	01/03/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	07/27/17	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	04/18/17	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	11/10/16	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	02/16/16	<0.50	<0.50	<0.50	<0.50	NA	<0.010 [c]	<0.50	-	-	-	NA
Gallegos	02/16/16	<0.50	<0.50	<0.50	<0.50	NA	<0.010 [c]	<0.50	-	-	-	NA
Martinez	02/16/16	<0.50	<0.50	<0.50	<0.50	NA	<0.010 [c]	<0.50	-	-	-	NA

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
MDWCA South	10/21/19	<0.50	<0.50	<0.50	<0.50	NA	NA	<0.50	-	-	-	NA
	02/15/19	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	11/15/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	08/09/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	05/01/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	01/05/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	07/28/17	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	04/18/17	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	11/11/16	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	02/16/16	<0.50	<0.50	<0.50	<0.50	NA	<0.010[c]	<0.50	-	-	-	NA
MDWCA North	10/21/19	<0.50	<0.50	<0.50	<0.50	NA	NA	<0.50	-	-	-	NA
	02/15/19	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	11/15/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	08/09/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	05/01/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	01/03/18	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	07/27/17	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	04/18/17	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	11/11/16	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	-	-	-	NA
	02/16/16	<0.50	<0.50	<0.50	<0.50	NA	<0.010[c]	<0.50	-	-	-	NA
Moberg, E.	02/16/16	<0.50	<0.50	<0.50	<0.50	NA	<0.010[c]	<0.50	-	-	-	NA
Moberg, R.	02/16/16	<0.50	<0.50	<0.50	<0.50	NA	<0.010[c]	<0.50	-	-	-	NA

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Name	Date Sampled	Concentration (µg/L)[a]										
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes
WVFD	02/16/16	<0.50	<0.50	<0.50	<0.50	NA	<0.010 [c]	<0.50	-	-	-	NA
NMWQCC Standard [b]		**5**	**1,000**	**700**	**620**	**100**	**0.05**	**5**	**--**	**--**	**--**	**30**

Notes:
Bold indicates value that exceeds the NMWQCC standard
Data prior to October 2019 reported by Daniel B. Stephens & Associates, inc. (DBS&A, 2019)
[a] Samples analyzed in accordance with EPA Method 8260B, unless otherwise noted
[b] New Mexico Water Quality Control Commission standard
[c] Samples analyzed in accordance with EPA Method 504.1
[d] Samples analyzed in accordance with EPA Method 524
NA = Not analyzed
NAPL = Non-aqueous phase liquid
BAL = Historical data, definition not provided
µg/L = Micrograms per liter
BTEX = Benzene, toluene, ethylbenzene, and total xylenes
MTBE = Methyl tertiary-butyl ether
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane

TABLE 3. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TOTAL PETROLEUM HYDROCARBONS FULL RANGE
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Number	Date Sampled	DRO (mg/L)	MRO (mg/L)	GRO (mg/L)
BMW-1	10/22/2019	9.1	<5.0	19
BMW-2	10/22/2019	11	<5.0	14
BMW-3	10/22/2019	9.1	<5.0	7.2
BMW-4R	10/22/2019	2.4	<5.0	0.84
BMW-5	10/22/2019	1.7	<5.0	3.3
BMW-5R	10/22/2019	6.8	<5.0	20
BMW-8	10/22/2019	<1.0	<5.0	0.065
BMW-9	10/22/2019	3.1	<5.0	2.8
BMW-10	10/22/2019	<1.0	<5.0	<0.050
BMW-11	10/21/2019	<1.0	<5.0	0.84
BMW-12	10/23/2019	<1.0	<5.0	<0.050
BMW-14	10/22/2019	<1.0	<5.0	<0.050
BMW-15	10/22/2019	2.9	<5.0	2.2
BMW-16	10/23/2019	<1.0	<5.0	<0.050
BMW-18	10/21/2019	<1.0	<5.0	0.81
BMW-20	10/22/2019	<1.0	<5.0	<0.050
BMW-21	10/22/2019	<1.0	<5.0	0.11
BMW-22	10/22/2019	4.1	<5.0	3.1
DBS-1	10/22/2019	<1.0	<5.0	0.27
DBS-2	10/22/2019	<1.0	<5.0	<0.050
DBS-3	10/21/2019	<1.0	<5.0	<0.050
DBS-4	10/22/2019	2.2	<5.0	5.8
DBS-5	10/22/2019	<1.0	<5.0	<0.050
DBS-6	Not sampled - well obstructed			
W-1	10/23/2019	3.6	<5.0	9.1
W-2	10/23/2019	1.6	<5.0	0.48
W-3	10/23/2019	7.2	<5.0	17

Notes:
Total petroleum hydrocarbons analyzed by EPA Method 8015M/D
DRO = Diesel-range organics
MRO = Motor oil-range organics
GRO = Gasoline-range organics
mg/L = Milligrams per liter

TABLE 4. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BOD, COD, TDS, DISSOLVED IRON AND MANGANESE, ORP, AND DO
MOBERG'S GARAGE AND TEXACO STATION
SEPTEMBER 2018 SAMPLING EVENT

Well ID	Plume	BOD	COD	TDS	Dissolved Iron	Dissolved Manganese	ORP	DO
		mg/L	mg/L	mg/L	mg/L	mg/L	mV	mg/L
BMW-1	Moberg's	280	690	1,260	2.3	1.3	-310	0.12
BMW-2	Moberg's	23	136	1,240	0.19	2.4	-142	0.14
BMW-3	Moberg's	377	656	1,260	2.3	5.3	-148	0.21
BMW-5R	Moberg's	390	409	2,050	8.1	1.3	-284	0.06
Moberg's Average		**268**	**473**	**1,453**	**3.2**	**2.6**	**-221**	**0.13**

Well ID	Plume	BOD	COD	TDS	Dissolved Iron	Dissolved Manganese	ORP	DO
		mg/L	mg/L	mg/L	mg/L	mg/L	mV	mg/L
W-1	Texaco	30	65.6	1,710	15	9.9	113	0.29
W-3	Texaco	160	256	4,280	390	57	-71	6.7
Texaco's Average		**95**	**161**	**2,995**	**203**	**33.5**	**21**	**0.29**

Well ID	Area	BOD	COD	TDS	Dissolved Iron	Dissolved Manganese	ORP	DO
		mg/L	mg/L	mg/L	mg/L	mg/L	mV	mg/L
DBS-5	Upgradient of Moberg's	<2.0	53.5	820	0.080	0.013	37	0.4
BMW-11	Between Plumes	47	54.1	2,170	7.5	7.9	-92	9.54
BMW-18	Between Plumes	31	205	1,560	15	5.8	-26	0.5
BMW-14	Downgradient of Texaco	<2.0	36.0	774	0.29	0.14	140	1.3

Notes:
BOD Biological Oxygen Demand
COD Chemical Oxygen Demand
DO Dissolved Oxygen
mg/L milligrams per liter
mV milliVolts
ORP Oxidation-Reduction Potential
TDS Total Dissolved Solids

TABLE 5. MIX QUANTITIES
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Parameter	Units	Moberg's	Texaco	Total	Notes
Input					
Target Area	ft^2	8,000	2,500	10,500	
Target Thickness	ft	6	6		
ORC-A Density	lb/ft^3	137	137		Solids (not bulk)
ORC-A Mass Per Foot	lb/ft	15.9	15.0		Design
Slurry Mix Ratio	gal water/lb ORC-A	0.357	0.357		25% by mass
Total Quatities					
Number of Injection Points	points	106	20	127	Drawing C-1
ORC-A Mass, Total	lb	10,120	1,840	11,960	Regenesis
Regenox Part-A Mass, Total	lb/point	318	0		
Water Volume, Total	gal	3,613	657	4,270	
ORC-A Volume, Total	gal	551	100	651	Solids (not bulk)
Slurry Volume, Total	gal	4,164	757	4,921	
Quantites Per Point					
ORC-A Target Mass Per Point	lb/point	95.4	90.0		
Regenox Part A Mass Per Point	lb/point	3.0	0.0		
Water Volume, Per Point	gal	34	32		
Slurry Volume, Per Point	gal	39	37		

Notes:

ORC-A mass per foot, Slurry Mix Ratio, and/or Number of Injection Points may be adjusted based on field conditions.

ft feet
ft^2 square feet
ft^3 cubic feet
gal gallons
lb pounds
sf square feet

TABLE 6. GROUNDWATER MONITORING AND PERFORMANCE ASSESSMENT
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Well Identification	Matrix	Sampling Method	Sampling Schedule	Laboratory				Field Parameters				
				VOC 8260B	TPH (GRO, DRO, MRO) 8015B	BOD & COD	Biotraps™	Dissolved Oxygen	ORP	Conductivity	pH	Temperature
Southern "Texaco Station" Hot Spot Treatment Area												
W-1	Water	Down-hole Meter (measure two intervals: top of water column and at bottom of screen). Bail three casing volumes and sample.	Q	4	4	1 (A)		4	4	4	4	4
W-2			S	2				2	2	2	2	2
W-3			Q	4	4	1 (A)	1	4	4	4	4	4
BMW-9			S	2				2	2	2	2	2
BMW-10			S	2				2	2	2	2	2
BMW-11			Q	4				4	4	4	4	4
BMW-12			S	2				2	2	2	2	2
BMW-14			S	2				2	2	2	2	2
BMW-15			Q	4	4	1 (A)		4	4	4	4	4
BMW-16			S	2				2	2	2	2	2
BMW-18			S	2				2	2	2	2	2
Northern "Moberg's Garage" Hot Spot Treatment Area												
BMW-1	Water	Down-hole Meter (measure two intervals: top of water column and at bottom of screen). Bail three casing volumes and sample.	Q	4	4	1 (A)	1	4	4	4	4	4
BMW-2			Q	4	4	1 (A)	1	4	4	4	4	4
BMW-3			Q	4	4	1 (A)		4	4	4	4	4
BMW-4			Q	4				4	4	4	4	4
BMW-5			S	2				2	2	2	2	2
BMW-5R			Q	4	4	1 (A)		4	4	4	4	4
BMW-8			S	2				2	2	2	2	2
BMW-20			A	1				1	1	1	1	1
BMW-21			S	2				2	2	2	2	2
BMW-22			Q	4		1 (A)		4	4	4	4	4
DBS-1			S	2				2	2	2	2	2
DBS-2			A	1				1	1	1	1	1
DBS-3			A	1				1	1	1	1	1
DBS-4R			S	2				2	2	2	2	2
DBS-5			A	1				1	1	1	1	1
North MDWCA Supply Well		Tap	Q	4								
South MDWCA Supply Well		Tap	Q	4								
Dominguez/Maldonado		Tap	Q	4								
Total Samples	NA	NA	NA	80	28		3					

NOTES:
A = Annual
BOD = Biological Oxygen Demand
COD = Chemical Oxygen Demand
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
MRO = Morot Oil Range Organics
NA = Not applicable
ORP = Oxidation-reduction potential
Q = Quarterly
S = Semiannual
TPH = Total Petroleum Hydrocarbons
VOC = Volatile organic compound

TABLE 7. OPTIMIZATION AND CONTINGENCY PLAN
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Goal	Optimum Condition	Timeframe for Goal Attainment	Means of Data Collection	Contingency Plan
Inject Remediation Amendments	According to the design	During Mobilization	Measuring vessel, weighing, flowmeters, package quantities.	Adjust amount of water in the slurry. Adjust injection mass per point and point spacing. Adjust injection pressure and/or flowrate.
Demonstrate aerobic bioremediation within "hot spots."	Significant increase in aerobic microbial count, dissolved oxygen available, and declining solute concentrations.	Throughout remediation	Dissolved oxygen and oxidation-reduction potential in groundwater. Increased microbial populations in groundwater based on Biotrap™ Samplers. Volatile organic compound (VOC) concentration decline in groundwater.	Localized subsequent injections in recalcitrant areas.
Ensure public water supplies are not impacted by solute plumes.	Stable to declining "hot spots" post treatment, both in area and contaminant mass.	Throughout remediation	Quarterly groundwater monitoring and tap sampling of public water supplies.	Localized subsequent injections to prevent contaminant migration in groundwater.

APPENDICES

APPENDIX A
SEPTEMBER 2018 LABORATORY REPORTS

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

October 01, 2018

Tom Golden

Daniel B. Stephens & Assoc.
6020 Academy NE Suite 100
Albuquerque, NM 87109
TEL: (505) 822-9400
FAX (505) 822-8877

RE: Mobergs Garage OrderNo.: 1809700

Dear Tom Golden:

Hall Environmental Analysis Laboratory received 11 sample(s) on 9/13/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** BMW-14
Project: Mobergs Garage **Collection Date:** 9/12/2018 11:50:00 AM
Lab ID: 1809700-001 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD						Analyst: **SMS**	
Biochemical Oxygen Demand	DO Depletion<2.0	2.0		mg/L	1	9/18/2018 3:24:00 PM	40335
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**	
Total Dissolved Solids	774	40.0	*D	mg/L	1	9/21/2018 8:11:00 AM	40459
SM4500-H+B / 9040C: PH						Analyst: **JRR**	
pH	7.24		H	pH units	1	9/18/2018 11:18:58 AM	R54265
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Iron	0.29	0.020		mg/L	1	9/15/2018 1:42:24 PM	A54168
Manganese	0.14	0.0020		mg/L	1	9/15/2018 1:42:24 PM	A54168
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Toluene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Ethylbenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Naphthalene	ND	2.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
2-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Acetone	ND	10		µg/L	1	9/17/2018 6:27:00 PM	R54185
Bromobenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Bromodichloromethane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Bromoform	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Bromomethane	ND	3.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
2-Butanone	ND	10		µg/L	1	9/17/2018 6:27:00 PM	R54185
Carbon disulfide	ND	10		µg/L	1	9/17/2018 6:27:00 PM	R54185
Carbon Tetrachloride	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Chlorobenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Chloroethane	ND	2.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Chloroform	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Chloromethane	ND	3.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
2-Chlorotoluene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
4-Chlorotoluene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
cis-1,2-DCE	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/17/2018 6:27:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-14
Project: Mobergs Garage
Collection Date: 9/12/2018 11:50:00 AM
Lab ID: 1809700-001 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Dibromochloromethane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Dibromomethane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,1-Dichloroethane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,1-Dichloroethene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,2-Dichloropropane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,3-Dichloropropane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
2,2-Dichloropropane	ND	2.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,1-Dichloropropene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Hexachlorobutadiene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
2-Hexanone	ND	10		µg/L	1	9/17/2018 6:27:00 PM	R54185
Isopropylbenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
4-Isopropyltoluene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
4-Methyl-2-pentanone	ND	10		µg/L	1	9/17/2018 6:27:00 PM	R54185
Methylene Chloride	ND	3.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
n-Butylbenzene	ND	3.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
n-Propylbenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
sec-Butylbenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Styrene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
tert-Butylbenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
trans-1,2-DCE	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Trichlorofluoromethane	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Vinyl chloride	ND	1.0		µg/L	1	9/17/2018 6:27:00 PM	R54185
Xylenes, Total	ND	1.5		µg/L	1	9/17/2018 6:27:00 PM	R54185
Surr: 1,2-Dichloroethane-d4	98.5	70-130		%Rec	1	9/17/2018 6:27:00 PM	R54185
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	9/17/2018 6:27:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-14
Project: Mobergs Garage
Collection Date: 9/12/2018 11:50:00 AM
Lab ID: 1809700-001
Matrix: AQUEOUS
Received Date: 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Surr: Dibromofluoromethane	107	70-130		%Rec	1	9/17/2018 6:27:00 PM	R54185
Surr: Toluene-d8	91.4	70-130		%Rec	1	9/17/2018 6:27:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** DBS-5
Project: Mobergs Garage **Collection Date:** 9/12/2018 12:30:00 PM
Lab ID: 1809700-002 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD						Analyst: **SMS**	
Biochemical Oxygen Demand	DO Depletion<2.0	2.0		mg/L	1	9/18/2018 3:24:00 PM	40335
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**	
Total Dissolved Solids	820	40.0	*D	mg/L	1	9/21/2018 8:11:00 AM	40459
SM4500-H+B / 9040C: PH						Analyst: **JRR**	
pH	7.24		H	pH units	1	9/18/2018 11:23:22 AM	R54265
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Iron	0.080	0.020		mg/L	1	9/15/2018 1:49:25 PM	A54168
Manganese	0.013	0.0020		mg/L	1	9/15/2018 1:49:25 PM	A54168
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Toluene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Ethylbenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Naphthalene	ND	2.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
2-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Acetone	ND	10		µg/L	1	9/17/2018 7:40:00 PM	R54185
Bromobenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Bromodichloromethane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Bromoform	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Bromomethane	ND	3.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
2-Butanone	ND	10		µg/L	1	9/17/2018 7:40:00 PM	R54185
Carbon disulfide	ND	10		µg/L	1	9/17/2018 7:40:00 PM	R54185
Carbon Tetrachloride	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Chlorobenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Chloroethane	ND	2.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Chloroform	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Chloromethane	ND	3.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
2-Chlorotoluene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
4-Chlorotoluene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
cis-1,2-DCE	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/17/2018 7:40:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** DBS-5
Project: Mobergs Garage **Collection Date:** 9/12/2018 12:30:00 PM
Lab ID: 1809700-002 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Dibromochloromethane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Dibromomethane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,1-Dichloroethane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,1-Dichloroethene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,2-Dichloropropane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,3-Dichloropropane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
2,2-Dichloropropane	ND	2.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,1-Dichloropropene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Hexachlorobutadiene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
2-Hexanone	ND	10		µg/L	1	9/17/2018 7:40:00 PM	R54185
Isopropylbenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
4-Isopropyltoluene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
4-Methyl-2-pentanone	ND	10		µg/L	1	9/17/2018 7:40:00 PM	R54185
Methylene Chloride	ND	3.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
n-Butylbenzene	ND	3.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
n-Propylbenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
sec-Butylbenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Styrene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
tert-Butylbenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
trans-1,2-DCE	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Trichlorofluoromethane	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Vinyl chloride	ND	1.0		µg/L	1	9/17/2018 7:40:00 PM	R54185
Xylenes, Total	ND	1.5		µg/L	1	9/17/2018 7:40:00 PM	R54185
Surr: 1,2-Dichloroethane-d4	98.8	70-130		%Rec	1	9/17/2018 7:40:00 PM	R54185
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	9/17/2018 7:40:00 PM	R54185

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Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: DBS-5
Project: Mobergs Garage
Collection Date: 9/12/2018 12:30:00 PM
Lab ID: 1809700-002
Matrix: AQUEOUS
Received Date: 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Surr: Dibromofluoromethane	106	70-130		%Rec	1	9/17/2018 7:40:00 PM	R54185
Surr: Toluene-d8	91.4	70-130		%Rec	1	9/17/2018 7:40:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** BMW-11
Project: Mobergs Garage **Collection Date:** 9/12/2018 1:30:00 PM
Lab ID: 1809700-003 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD						Analyst: **SMS**	
Biochemical Oxygen Demand	47	2.0		mg/L	1	9/18/2018 3:24:00 PM	40335
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**	
Total Dissolved Solids	2170	40.0	*D	mg/L	1	9/21/2018 8:11:00 AM	40459
SM4500-H+B / 9040C: PH						Analyst: **JRR**	
pH	7.02		H	pH units	1	9/18/2018 11:27:53 AM	R54265
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Iron	7.5	0.20		mg/L	10	9/15/2018 2:32:33 PM	A54168
Manganese	7.9	0.020		mg/L	10	9/15/2018 2:32:33 PM	A54168
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Toluene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Ethylbenzene	11	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Methyl tert-butyl ether (MTBE)	8.4	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,2,4-Trimethylbenzene	19	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,3,5-Trimethylbenzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,2-Dichloroethane (EDC)	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,2-Dibromoethane (EDB)	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Naphthalene	ND	5.0	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1-Methylnaphthalene	ND	10	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
2-Methylnaphthalene	ND	10	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Acetone	ND	25	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Bromobenzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Bromodichloromethane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Bromoform	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Bromomethane	ND	7.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
2-Butanone	ND	25	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Carbon disulfide	ND	25	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Carbon Tetrachloride	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Chlorobenzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Chloroethane	ND	5.0	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Chloroform	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Chloromethane	ND	7.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
2-Chlorotoluene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
4-Chlorotoluene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
cis-1,2-DCE	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
cis-1,3-Dichloropropene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,2-Dibromo-3-chloropropane	ND	5.0	D	µg/L	5	9/17/2018 8:04:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** BMW-11
Project: Mobergs Garage **Collection Date:** 9/12/2018 1:30:00 PM
Lab ID: 1809700-003 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Dibromochloromethane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Dibromomethane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,2-Dichlorobenzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,3-Dichlorobenzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,4-Dichlorobenzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Dichlorodifluoromethane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,1-Dichloroethane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,1-Dichloroethene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,2-Dichloropropane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,3-Dichloropropane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
2,2-Dichloropropane	ND	5.0	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,1-Dichloropropene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Hexachlorobutadiene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
2-Hexanone	ND	25	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Isopropylbenzene	6.1	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
4-Isopropyltoluene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
4-Methyl-2-pentanone	ND	25	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Methylene Chloride	ND	7.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
n-Butylbenzene	ND	7.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
n-Propylbenzene	15	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
sec-Butylbenzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Styrene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
tert-Butylbenzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,1,1,2-Tetrachloroethane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,1,2,2-Tetrachloroethane	ND	5.0	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Tetrachloroethene (PCE)	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
trans-1,2-DCE	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
trans-1,3-Dichloropropene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,2,3-Trichlorobenzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,2,4-Trichlorobenzene	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,1,1-Trichloroethane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,1,2-Trichloroethane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Trichloroethene (TCE)	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Trichlorofluoromethane	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
1,2,3-Trichloropropane	ND	5.0	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Vinyl chloride	ND	2.5	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Xylenes, Total	ND	3.8	D	µg/L	5	9/17/2018 8:04:00 PM	R54185
Surr: 1,2-Dichloroethane-d4	96.7	70-130	D	%Rec	5	9/17/2018 8:04:00 PM	R54185
Surr: 4-Bromofluorobenzene	94.8	70-130	D	%Rec	5	9/17/2018 8:04:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-11
Project: Mobergs Garage
Collection Date: 9/12/2018 1:30:00 PM
Lab ID: 1809700-003 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Surr: Dibromofluoromethane	107	70-130	D	%Rec	5	9/17/2018 8:04:00 PM	R54185
Surr: Toluene-d8	92.6	70-130	D	%Rec	5	9/17/2018 8:04:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** W-1
Project: Mobergs Garage **Collection Date:** 9/12/2018 2:05:00 PM
Lab ID: 1809700-004 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD						Analyst: **SMS**	
Biochemical Oxygen Demand	30	2.0		mg/L	1	9/18/2018 3:24:00 PM	40335
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**	
Total Dissolved Solids	1710	40.0	*D	mg/L	1	9/21/2018 8:11:00 AM	40459
SM4500-H+B / 9040C: PH						Analyst: **JRR**	
pH	7.06		H	pH units	1	9/18/2018 11:32:11 AM	R54265
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Iron	15	0.40		mg/L	20	9/15/2018 2:33:52 PM	A54168
Manganese	9.9	0.040		mg/L	20	9/15/2018 2:33:52 PM	A54168
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Toluene	5.0	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Ethylbenzene	550	20		µg/L	20	9/18/2018 11:53:00 AM	R54215
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,2,4-Trimethylbenzene	430	20		µg/L	20	9/18/2018 11:53:00 AM	R54215
1,3,5-Trimethylbenzene	110	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Naphthalene	60	4.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1-Methylnaphthalene	36	8.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
2-Methylnaphthalene	ND	8.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Acetone	23	20		µg/L	2	9/17/2018 8:28:00 PM	R54185
Bromobenzene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Bromodichloromethane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Bromoform	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Bromomethane	ND	6.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
2-Butanone	ND	20		µg/L	2	9/17/2018 8:28:00 PM	R54185
Carbon disulfide	ND	20		µg/L	2	9/17/2018 8:28:00 PM	R54185
Carbon Tetrachloride	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Chlorobenzene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Chloroethane	ND	4.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Chloroform	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Chloromethane	ND	6.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
2-Chlorotoluene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
4-Chlorotoluene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
cis-1,2-DCE	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	9/17/2018 8:28:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: W-1
Project: Mobergs Garage
Collection Date: 9/12/2018 2:05:00 PM
Lab ID: 1809700-004 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Dibromochloromethane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Dibromomethane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,2-Dichlorobenzene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,3-Dichlorobenzene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,4-Dichlorobenzene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Dichlorodifluoromethane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,1-Dichloroethane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,1-Dichloroethene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,2-Dichloropropane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,3-Dichloropropane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
2,2-Dichloropropane	ND	4.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,1-Dichloropropene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Hexachlorobutadiene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
2-Hexanone	ND	20		µg/L	2	9/17/2018 8:28:00 PM	R54185
Isopropylbenzene	28	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
4-Isopropyltoluene	4.5	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
4-Methyl-2-pentanone	ND	20		µg/L	2	9/17/2018 8:28:00 PM	R54185
Methylene Chloride	ND	6.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
n-Butylbenzene	14	6.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
n-Propylbenzene	100	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
sec-Butylbenzene	8.6	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Styrene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
tert-Butylbenzene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
trans-1,2-DCE	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,1,1-Trichloroethane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,1,2-Trichloroethane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Trichloroethene (TCE)	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Trichlorofluoromethane	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
1,2,3-Trichloropropane	ND	4.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Vinyl chloride	ND	2.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Xylenes, Total	230	3.0		µg/L	2	9/17/2018 8:28:00 PM	R54185
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%Rec	2	9/17/2018 8:28:00 PM	R54185
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	2	9/17/2018 8:28:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: W-1
Project: Mobergs Garage
Collection Date: 9/12/2018 2:05:00 PM
Lab ID: 1809700-004 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Surr: Dibromofluoromethane	99.3	70-130		%Rec	2	9/17/2018 8:28:00 PM	R54185
Surr: Toluene-d8	90.7	70-130		%Rec	2	9/17/2018 8:28:00 PM	R54185

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** BMW-18
Project: Mobergs Garage **Collection Date:** 9/12/2018 3:50:00 PM
Lab ID: 1809700-005 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD						Analyst: **SMS**	
Biochemical Oxygen Demand	31	2.0		mg/L	1	9/19/2018 12:17:00 PM	40347
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**	
Total Dissolved Solids	1560	40.0	*D	mg/L	1	9/21/2018 8:11:00 AM	40459
SM4500-H+B / 9040C: PH						Analyst: **JRR**	
pH	6.80		H	pH units	1	9/18/2018 11:36:31 AM	R54265
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Iron	15	0.40		mg/L	20	9/15/2018 2:35:10 PM	A54168
Manganese	5.8	0.040		mg/L	20	9/15/2018 2:35:10 PM	A54168
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Toluene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Ethylbenzene	310	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,2,4-Trimethylbenzene	1500	100		µg/L	100	9/17/2018 8:52:00 PM	R54185
1,3,5-Trimethylbenzene	530	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Naphthalene	250	20		µg/L	10	9/17/2018 9:16:00 PM	R54185
1-Methylnaphthalene	120	40		µg/L	10	9/17/2018 9:16:00 PM	R54185
2-Methylnaphthalene	100	40		µg/L	10	9/17/2018 9:16:00 PM	R54185
Acetone	ND	100		µg/L	10	9/17/2018 9:16:00 PM	R54185
Bromobenzene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Bromodichloromethane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Bromoform	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Bromomethane	ND	30		µg/L	10	9/17/2018 9:16:00 PM	R54185
2-Butanone	ND	100		µg/L	10	9/17/2018 9:16:00 PM	R54185
Carbon disulfide	ND	100		µg/L	10	9/17/2018 9:16:00 PM	R54185
Carbon Tetrachloride	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Chlorobenzene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Chloroethane	ND	20		µg/L	10	9/17/2018 9:16:00 PM	R54185
Chloroform	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Chloromethane	ND	30		µg/L	10	9/17/2018 9:16:00 PM	R54185
2-Chlorotoluene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
4-Chlorotoluene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
cis-1,2-DCE	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/17/2018 9:16:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-18
Project: Mobergs Garage
Collection Date: 9/12/2018 3:50:00 PM
Lab ID: 1809700-005 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Dibromochloromethane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Dibromomethane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,2-Dichlorobenzene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,3-Dichlorobenzene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,4-Dichlorobenzene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Dichlorodifluoromethane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,1-Dichloroethane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,1-Dichloroethene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,2-Dichloropropane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,3-Dichloropropane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
2,2-Dichloropropane	ND	20		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,1-Dichloropropene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Hexachlorobutadiene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
2-Hexanone	ND	100		µg/L	10	9/17/2018 9:16:00 PM	R54185
Isopropylbenzene	37	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
4-Isopropyltoluene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
4-Methyl-2-pentanone	ND	100		µg/L	10	9/17/2018 9:16:00 PM	R54185
Methylene Chloride	ND	30		µg/L	10	9/17/2018 9:16:00 PM	R54185
n-Butylbenzene	32	30		µg/L	10	9/17/2018 9:16:00 PM	R54185
n-Propylbenzene	130	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
sec-Butylbenzene	13	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Styrene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
tert-Butylbenzene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/17/2018 9:16:00 PM	R54185
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
trans-1,2-DCE	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,1,1-Trichloroethane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,1,2-Trichloroethane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Trichloroethene (TCE)	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Trichlorofluoromethane	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
1,2,3-Trichloropropane	ND	20		µg/L	10	9/17/2018 9:16:00 PM	R54185
Vinyl chloride	ND	10		µg/L	10	9/17/2018 9:16:00 PM	R54185
Xylenes, Total	160	15		µg/L	10	9/17/2018 9:16:00 PM	R54185
Surr: 1,2-Dichloroethane-d4	96.4	70-130		%Rec	10	9/17/2018 9:16:00 PM	R54185
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	10	9/17/2018 9:16:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-18
Project: Mobergs Garage
Collection Date: 9/12/2018 3:50:00 PM
Lab ID: 1809700-005 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Surr: Dibromofluoromethane	103	70-130		%Rec	10	9/17/2018 9:16:00 PM	R54185
Surr: Toluene-d8	92.2	70-130		%Rec	10	9/17/2018 9:16:00 PM	R54185

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** BMW-5R
Project: Mobergs Garage **Collection Date:** 9/12/2018 4:21:00 PM
Lab ID: 1809700-006 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD						Analyst: **SMS**	
Biochemical Oxygen Demand	390	2.0		mg/L	1	9/19/2018 12:17:00 PM	40347
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**	
Total Dissolved Solids	2050	100	*D	mg/L	1	9/21/2018 8:11:00 AM	40459
SM4500-H+B / 9040C: PH						Analyst: **JRR**	
pH	7.10		H	pH units	1	9/18/2018 11:40:58 AM	R54265
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Iron	8.1	0.20		mg/L	10	9/15/2018 2:36:28 PM	A54168
Manganese	1.3	0.020		mg/L	10	9/15/2018 2:36:28 PM	A54168
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Toluene	11	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Ethylbenzene	1300	100		µg/L	100	9/18/2018 12:17:00 PM	R54215
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,2,4-Trimethylbenzene	2300	100		µg/L	100	9/18/2018 12:17:00 PM	R54215
1,3,5-Trimethylbenzene	990	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Naphthalene	170	20		µg/L	10	9/17/2018 9:40:00 PM	R54185
1-Methylnaphthalene	130	40		µg/L	10	9/17/2018 9:40:00 PM	R54185
2-Methylnaphthalene	64	40		µg/L	10	9/17/2018 9:40:00 PM	R54185
Acetone	230	100		µg/L	10	9/17/2018 9:40:00 PM	R54185
Bromobenzene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Bromodichloromethane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Bromoform	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Bromomethane	ND	30		µg/L	10	9/17/2018 9:40:00 PM	R54185
2-Butanone	ND	100		µg/L	10	9/17/2018 9:40:00 PM	R54185
Carbon disulfide	ND	100		µg/L	10	9/17/2018 9:40:00 PM	R54185
Carbon Tetrachloride	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Chlorobenzene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Chloroethane	ND	20		µg/L	10	9/17/2018 9:40:00 PM	R54185
Chloroform	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Chloromethane	ND	30		µg/L	10	9/17/2018 9:40:00 PM	R54185
2-Chlorotoluene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
4-Chlorotoluene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
cis-1,2-DCE	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/17/2018 9:40:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-5R
Project: Mobergs Garage
Collection Date: 9/12/2018 4:21:00 PM
Lab ID: 1809700-006 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Dibromochloromethane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Dibromomethane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,2-Dichlorobenzene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,3-Dichlorobenzene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,4-Dichlorobenzene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Dichlorodifluoromethane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,1-Dichloroethane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,1-Dichloroethene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,2-Dichloropropane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,3-Dichloropropane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
2,2-Dichloropropane	ND	20		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,1-Dichloropropene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Hexachlorobutadiene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
2-Hexanone	ND	100		µg/L	10	9/17/2018 9:40:00 PM	R54185
Isopropylbenzene	87	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
4-Isopropyltoluene	30	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
4-Methyl-2-pentanone	ND	100		µg/L	10	9/17/2018 9:40:00 PM	R54185
Methylene Chloride	ND	30		µg/L	10	9/17/2018 9:40:00 PM	R54185
n-Butylbenzene	80	30		µg/L	10	9/17/2018 9:40:00 PM	R54185
n-Propylbenzene	280	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
sec-Butylbenzene	34	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Styrene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
tert-Butylbenzene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/17/2018 9:40:00 PM	R54185
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
trans-1,2-DCE	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,1,1-Trichloroethane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,1,2-Trichloroethane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Trichloroethene (TCE)	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Trichlorofluoromethane	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
1,2,3-Trichloropropane	ND	20		µg/L	10	9/17/2018 9:40:00 PM	R54185
Vinyl chloride	ND	10		µg/L	10	9/17/2018 9:40:00 PM	R54185
Xylenes, Total	950	15		µg/L	10	9/17/2018 9:40:00 PM	R54185
Surr: 1,2-Dichloroethane-d4	91.2	70-130		%Rec	10	9/17/2018 9:40:00 PM	R54185
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	10	9/17/2018 9:40:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-5R
Project: Mobergs Garage
Collection Date: 9/12/2018 4:21:00 PM
Lab ID: 1809700-006 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Surr: Dibromofluoromethane	98.4	70-130		%Rec	10	9/17/2018 9:40:00 PM	R54185
Surr: Toluene-d8	86.8	70-130		%Rec	10	9/17/2018 9:40:00 PM	R54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** BMW-1
Project: Mobergs Garage **Collection Date:** 9/12/2018 4:53:00 PM
Lab ID: 1809700-007 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD						Analyst: **SMS**	
Biochemical Oxygen Demand	280	2.0		mg/L	1	9/19/2018 12:17:00 PM	40347
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**	
Total Dissolved Solids	1260	100	*D	mg/L	1	9/21/2018 8:11:00 AM	40459
SM4500-H+B / 9040C: PH						Analyst: **JRR**	
pH	7.52		H	pH units	1	9/18/2018 11:45:16 AM	R54265
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Iron	2.3	0.10		mg/L	5	9/15/2018 2:37:47 PM	B54168
Manganese	1.3	0.010		mg/L	5	9/15/2018 2:37:47 PM	B54168
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	80	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Toluene	210	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Ethylbenzene	1300	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,2,4-Trimethylbenzene	2700	200		µg/L	200	9/17/2018 11:40:00 PM	B54185
1,3,5-Trimethylbenzene	1700	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Naphthalene	800	40		µg/L	20	9/18/2018 12:04:00 AM	B54185
1-Methylnaphthalene	200	80		µg/L	20	9/18/2018 12:04:00 AM	B54185
2-Methylnaphthalene	230	80		µg/L	20	9/18/2018 12:04:00 AM	B54185
Acetone	330	200		µg/L	20	9/18/2018 12:04:00 AM	B54185
Bromobenzene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Bromodichloromethane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Bromoform	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Bromomethane	ND	60		µg/L	20	9/18/2018 12:04:00 AM	B54185
2-Butanone	ND	200		µg/L	20	9/18/2018 12:04:00 AM	B54185
Carbon disulfide	ND	200		µg/L	20	9/18/2018 12:04:00 AM	B54185
Carbon Tetrachloride	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Chlorobenzene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Chloroethane	ND	40		µg/L	20	9/18/2018 12:04:00 AM	B54185
Chloroform	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Chloromethane	ND	60		µg/L	20	9/18/2018 12:04:00 AM	B54185
2-Chlorotoluene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
4-Chlorotoluene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
cis-1,2-DCE	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
cis-1,3-Dichloropropene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	9/18/2018 12:04:00 AM	B54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-1
Project: Mobergs Garage
Collection Date: 9/12/2018 4:53:00 PM
Lab ID: 1809700-007 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Dibromochloromethane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Dibromomethane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,2-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,3-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,4-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Dichlorodifluoromethane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,1-Dichloroethane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,1-Dichloroethene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,2-Dichloropropane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,3-Dichloropropane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
2,2-Dichloropropane	ND	40		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,1-Dichloropropene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Hexachlorobutadiene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
2-Hexanone	ND	200		µg/L	20	9/18/2018 12:04:00 AM	B54185
Isopropylbenzene	51	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
4-Isopropyltoluene	30	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
4-Methyl-2-pentanone	ND	200		µg/L	20	9/18/2018 12:04:00 AM	B54185
Methylene Chloride	ND	60		µg/L	20	9/18/2018 12:04:00 AM	B54185
n-Butylbenzene	ND	60		µg/L	20	9/18/2018 12:04:00 AM	B54185
n-Propylbenzene	46	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
sec-Butylbenzene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Styrene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
tert-Butylbenzene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	9/18/2018 12:04:00 AM	B54185
Tetrachloroethene (PCE)	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
trans-1,2-DCE	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
trans-1,3-Dichloropropene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,2,3-Trichlorobenzene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,2,4-Trichlorobenzene	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,1,1-Trichloroethane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,1,2-Trichloroethane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Trichloroethene (TCE)	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Trichlorofluoromethane	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
1,2,3-Trichloropropane	ND	40		µg/L	20	9/18/2018 12:04:00 AM	B54185
Vinyl chloride	ND	20		µg/L	20	9/18/2018 12:04:00 AM	B54185
Xylenes, Total	4200	30		µg/L	20	9/18/2018 12:04:00 AM	B54185
Surr: 1,2-Dichloroethane-d4	87.6	70-130		%Rec	20	9/18/2018 12:04:00 AM	B54185
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	20	9/18/2018 12:04:00 AM	B54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-1
Project: Mobergs Garage
Collection Date: 9/12/2018 4:53:00 PM
Lab ID: 1809700-007
Matrix: AQUEOUS
Received Date: 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Surr: Dibromofluoromethane	98.3	70-130		%Rec	20	9/18/2018 12:04:00 AM	B54185
Surr: Toluene-d8	92.3	70-130		%Rec	20	9/18/2018 12:04:00 AM	B54185

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** W-3
Project: Mobergs Garage **Collection Date:** 9/12/2018 5:20:00 PM
Lab ID: 1809700-008 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD						Analyst: **SMS**	
Biochemical Oxygen Demand	160	2.0		mg/L	1	9/19/2018 12:17:00 PM	40347
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**	
Total Dissolved Solids	4280	100	*D	mg/L	1	9/21/2018 8:11:00 AM	40459
SM4500-H+B / 9040C: PH						Analyst: **JRR**	
pH	6.27		H	pH units	1	9/18/2018 11:49:32 AM	R54265
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Iron	390	10		mg/L	500	9/15/2018 2:40:43 PM	B54168
Manganese	57	0.20		mg/L	100	9/15/2018 2:39:24 PM	B54168
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Toluene	260	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Ethylbenzene	2000	200		µg/L	200	9/18/2018 12:28:00 AM	B54185
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,2,4-Trimethylbenzene	1900	200		µg/L	200	9/18/2018 12:28:00 AM	B54185
1,3,5-Trimethylbenzene	840	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Naphthalene	420	40		µg/L	20	9/18/2018 12:52:00 AM	B54185
1-Methylnaphthalene	130	80		µg/L	20	9/18/2018 12:52:00 AM	B54185
2-Methylnaphthalene	ND	80		µg/L	20	9/18/2018 12:52:00 AM	B54185
Acetone	440	200		µg/L	20	9/18/2018 12:52:00 AM	B54185
Bromobenzene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Bromodichloromethane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Bromoform	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Bromomethane	ND	60		µg/L	20	9/18/2018 12:52:00 AM	B54185
2-Butanone	460	200		µg/L	20	9/18/2018 12:52:00 AM	B54185
Carbon disulfide	ND	200		µg/L	20	9/18/2018 12:52:00 AM	B54185
Carbon Tetrachloride	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Chlorobenzene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Chloroethane	ND	40		µg/L	20	9/18/2018 12:52:00 AM	B54185
Chloroform	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Chloromethane	ND	60		µg/L	20	9/18/2018 12:52:00 AM	B54185
2-Chlorotoluene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
4-Chlorotoluene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
cis-1,2-DCE	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
cis-1,3-Dichloropropene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	9/18/2018 12:52:00 AM	B54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: W-3
Project: Mobergs Garage
Collection Date: 9/12/2018 5:20:00 PM
Lab ID: 1809700-008 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Dibromochloromethane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Dibromomethane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,2-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,3-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,4-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Dichlorodifluoromethane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,1-Dichloroethane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,1-Dichloroethene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,2-Dichloropropane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,3-Dichloropropane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
2,2-Dichloropropane	ND	40		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,1-Dichloropropene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Hexachlorobutadiene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
2-Hexanone	ND	200		µg/L	20	9/18/2018 12:52:00 AM	B54185
Isopropylbenzene	120	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
4-Isopropyltoluene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
4-Methyl-2-pentanone	ND	200		µg/L	20	9/18/2018 12:52:00 AM	B54185
Methylene Chloride	ND	60		µg/L	20	9/18/2018 12:52:00 AM	B54185
n-Butylbenzene	ND	60		µg/L	20	9/18/2018 12:52:00 AM	B54185
n-Propylbenzene	390	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
sec-Butylbenzene	25	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Styrene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
tert-Butylbenzene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	9/18/2018 12:52:00 AM	B54185
Tetrachloroethene (PCE)	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
trans-1,2-DCE	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
trans-1,3-Dichloropropene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,2,3-Trichlorobenzene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,2,4-Trichlorobenzene	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,1,1-Trichloroethane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,1,2-Trichloroethane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Trichloroethene (TCE)	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Trichlorofluoromethane	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
1,2,3-Trichloropropane	ND	40		µg/L	20	9/18/2018 12:52:00 AM	B54185
Vinyl chloride	ND	20		µg/L	20	9/18/2018 12:52:00 AM	B54185
Xylenes, Total	2700	30		µg/L	20	9/18/2018 12:52:00 AM	B54185
Surr: 1,2-Dichloroethane-d4	86.6	70-130		%Rec	20	9/18/2018 12:52:00 AM	B54185
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	20	9/18/2018 12:52:00 AM	B54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: W-3
Project: Mobergs Garage
Collection Date: 9/12/2018 5:20:00 PM
Lab ID: 1809700-008 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Surr: Dibromofluoromethane	94.7	70-130		%Rec	20	9/18/2018 12:52:00 AM	B54185
Surr: Toluene-d8	91.5	70-130		%Rec	20	9/18/2018 12:52:00 AM	B54185

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** BMW-3
Project: Mobergs Garage **Collection Date:** 9/12/2018 5:46:00 PM
Lab ID: 1809700-009 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD						Analyst: **SMS**	
Biochemical Oxygen Demand	>372.84	2.0		mg/L	1	9/19/2018 12:17:00 PM	40347
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**	
Total Dissolved Solids	1260	100	*D	mg/L	1	9/21/2018 8:11:00 AM	40459
SM4500-H+B / 9040C: PH						Analyst: **JRR**	
pH	7.36		H	pH units	1	9/18/2018 11:53:53 AM	R54265
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Iron	2.3	0.20		mg/L	10	9/15/2018 2:42:02 PM	B54168
Manganese	5.3	0.020		mg/L	10	9/15/2018 2:42:02 PM	B54168
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	450	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Toluene	300	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Ethylbenzene	920	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,2,4-Trimethylbenzene	1300	200		µg/L	200	9/18/2018 12:41:00 PM	R54215
1,3,5-Trimethylbenzene	1100	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Naphthalene	190	40		µg/L	20	9/18/2018 1:16:00 AM	B54185
1-Methylnaphthalene	130	80		µg/L	20	9/18/2018 1:16:00 AM	B54185
2-Methylnaphthalene	ND	80		µg/L	20	9/18/2018 1:16:00 AM	B54185
Acetone	570	200		µg/L	20	9/18/2018 1:16:00 AM	B54185
Bromobenzene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Bromodichloromethane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Bromoform	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Bromomethane	ND	60		µg/L	20	9/18/2018 1:16:00 AM	B54185
2-Butanone	ND	200		µg/L	20	9/18/2018 1:16:00 AM	B54185
Carbon disulfide	ND	200		µg/L	20	9/18/2018 1:16:00 AM	B54185
Carbon Tetrachloride	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Chlorobenzene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Chloroethane	ND	40		µg/L	20	9/18/2018 1:16:00 AM	B54185
Chloroform	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Chloromethane	ND	60		µg/L	20	9/18/2018 1:16:00 AM	B54185
2-Chlorotoluene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
4-Chlorotoluene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
cis-1,2-DCE	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
cis-1,3-Dichloropropene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	9/18/2018 1:16:00 AM	B54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-3
Project: Mobergs Garage
Collection Date: 9/12/2018 5:46:00 PM
Lab ID: 1809700-009 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Dibromochloromethane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Dibromomethane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,2-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,3-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,4-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Dichlorodifluoromethane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,1-Dichloroethane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,1-Dichloroethene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,2-Dichloropropane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,3-Dichloropropane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
2,2-Dichloropropane	ND	40		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,1-Dichloropropene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Hexachlorobutadiene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
2-Hexanone	1500	200		µg/L	20	9/18/2018 1:16:00 AM	B54185
Isopropylbenzene	84	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
4-Isopropyltoluene	37	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
4-Methyl-2-pentanone	ND	200		µg/L	20	9/18/2018 1:16:00 AM	B54185
Methylene Chloride	ND	60		µg/L	20	9/18/2018 1:16:00 AM	B54185
n-Butylbenzene	76	60		µg/L	20	9/18/2018 1:16:00 AM	B54185
n-Propylbenzene	100	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
sec-Butylbenzene	38	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Styrene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
tert-Butylbenzene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	9/18/2018 1:16:00 AM	B54185
Tetrachloroethene (PCE)	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
trans-1,2-DCE	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
trans-1,3-Dichloropropene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,2,3-Trichlorobenzene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,2,4-Trichlorobenzene	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,1,1-Trichloroethane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,1,2-Trichloroethane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Trichloroethene (TCE)	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Trichlorofluoromethane	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
1,2,3-Trichloropropane	ND	40		µg/L	20	9/18/2018 1:16:00 AM	B54185
Vinyl chloride	ND	20		µg/L	20	9/18/2018 1:16:00 AM	B54185
Xylenes, Total	2400	30		µg/L	20	9/18/2018 1:16:00 AM	B54185
Surr: 1,2-Dichloroethane-d4	87.4	70-130		%Rec	20	9/18/2018 1:16:00 AM	B54185
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	20	9/18/2018 1:16:00 AM	B54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-3
Project: Mobergs Garage
Collection Date: 9/12/2018 5:46:00 PM
Lab ID: 1809700-009 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Surr: Dibromofluoromethane	95.8	70-130		%Rec	20	9/18/2018 1:16:00 AM	B54185
Surr: Toluene-d8	90.3	70-130		%Rec	20	9/18/2018 1:16:00 AM	B54185

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** BMW-2
Project: Mobergs Garage **Collection Date:** 9/12/2018 6:15:00 PM
Lab ID: 1809700-010 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD						Analyst: **SMS**	
Biochemical Oxygen Demand	23	2.0		mg/L	1	9/19/2018 12:17:00 PM	40347
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**	
Total Dissolved Solids	1240	100	*D	mg/L	1	9/21/2018 8:11:00 AM	40459
SM4500-H+B / 9040C: PH						Analyst: **JRR**	
pH	7.16		H	pH units	1	9/18/2018 11:58:04 AM	R54265
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **ELS**	
Iron	0.19	0.020		mg/L	1	9/15/2018 2:00:37 PM	B54168
Manganese	2.4	0.010		mg/L	5	9/15/2018 2:48:45 PM	B54168
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	330	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Toluene	150	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Ethylbenzene	1000	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,2,4-Trimethylbenzene	1100	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,3,5-Trimethylbenzene	450	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Naphthalene	230	40		µg/L	20	9/18/2018 2:04:00 AM	B54185
1-Methylnaphthalene	89	80		µg/L	20	9/18/2018 2:04:00 AM	B54185
2-Methylnaphthalene	100	80		µg/L	20	9/18/2018 2:04:00 AM	B54185
Acetone	ND	200		µg/L	20	9/18/2018 2:04:00 AM	B54185
Bromobenzene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Bromodichloromethane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Bromoform	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Bromomethane	ND	60		µg/L	20	9/18/2018 2:04:00 AM	B54185
2-Butanone	ND	200		µg/L	20	9/18/2018 2:04:00 AM	B54185
Carbon disulfide	ND	200		µg/L	20	9/18/2018 2:04:00 AM	B54185
Carbon Tetrachloride	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Chlorobenzene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Chloroethane	ND	40		µg/L	20	9/18/2018 2:04:00 AM	B54185
Chloroform	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Chloromethane	ND	60		µg/L	20	9/18/2018 2:04:00 AM	B54185
2-Chlorotoluene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
4-Chlorotoluene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
cis-1,2-DCE	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
cis-1,3-Dichloropropene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	9/18/2018 2:04:00 AM	B54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-2
Project: Mobergs Garage
Collection Date: 9/12/2018 6:15:00 PM
Lab ID: 1809700-010 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Dibromochloromethane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Dibromomethane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,2-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,3-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,4-Dichlorobenzene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Dichlorodifluoromethane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,1-Dichloroethane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,1-Dichloroethene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,2-Dichloropropane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,3-Dichloropropane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
2,2-Dichloropropane	ND	40		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,1-Dichloropropene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Hexachlorobutadiene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
2-Hexanone	ND	200		µg/L	20	9/18/2018 2:04:00 AM	B54185
Isopropylbenzene	44	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
4-Isopropyltoluene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
4-Methyl-2-pentanone	ND	200		µg/L	20	9/18/2018 2:04:00 AM	B54185
Methylene Chloride	ND	60		µg/L	20	9/18/2018 2:04:00 AM	B54185
n-Butylbenzene	ND	60		µg/L	20	9/18/2018 2:04:00 AM	B54185
n-Propylbenzene	130	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
sec-Butylbenzene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Styrene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
tert-Butylbenzene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	9/18/2018 2:04:00 AM	B54185
Tetrachloroethene (PCE)	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
trans-1,2-DCE	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
trans-1,3-Dichloropropene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,2,3-Trichlorobenzene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,2,4-Trichlorobenzene	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,1,1-Trichloroethane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,1,2-Trichloroethane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Trichloroethene (TCE)	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Trichlorofluoromethane	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
1,2,3-Trichloropropane	ND	40		µg/L	20	9/18/2018 2:04:00 AM	B54185
Vinyl chloride	ND	20		µg/L	20	9/18/2018 2:04:00 AM	B54185
Xylenes, Total	980	30		µg/L	20	9/18/2018 2:04:00 AM	B54185
Surr: 1,2-Dichloroethane-d4	85.2	70-130		%Rec	20	9/18/2018 2:04:00 AM	B54185
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	20	9/18/2018 2:04:00 AM	B54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: BMW-2
Project: Mobergs Garage
Collection Date: 9/12/2018 6:15:00 PM
Lab ID: 1809700-010 **Matrix:** AQUEOUS **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Surr: Dibromofluoromethane	93.5	70-130		%Rec	20	9/18/2018 2:04:00 AM	B54185
Surr: Toluene-d8	91.1	70-130		%Rec	20	9/18/2018 2:04:00 AM	B54185

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** TRIP BLANK
Project: Mobergs Garage **Collection Date:**
Lab ID: 1809700-011 **Matrix:** TRIP BLANK **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Toluene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Ethylbenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Naphthalene	ND	2.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1-Methylnaphthalene	ND	4.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
2-Methylnaphthalene	ND	4.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Acetone	ND	10		µg/L	1	9/18/2018 2:28:00 AM	B54185
Bromobenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Bromodichloromethane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Bromoform	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Bromomethane	ND	3.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
2-Butanone	ND	10		µg/L	1	9/18/2018 2:28:00 AM	B54185
Carbon disulfide	ND	10		µg/L	1	9/18/2018 2:28:00 AM	B54185
Carbon Tetrachloride	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Chlorobenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Chloroethane	ND	2.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Chloroform	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Chloromethane	ND	3.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
2-Chlorotoluene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
4-Chlorotoluene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
cis-1,2-DCE	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Dibromochloromethane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Dibromomethane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,1-Dichloroethane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,1-Dichloroethene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,2-Dichloropropane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,3-Dichloropropane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
2,2-Dichloropropane	ND	2.0		µg/L	1	9/18/2018 2:28:00 AM	B54185

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** TRIP BLANK
Project: Mobergs Garage **Collection Date:**
Lab ID: 1809700-011 **Matrix:** TRIP BLANK **Received Date:** 9/13/2018 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Hexachlorobutadiene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
2-Hexanone	ND	10		µg/L	1	9/18/2018 2:28:00 AM	B54185
Isopropylbenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
4-Isopropyltoluene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
4-Methyl-2-pentanone	ND	10		µg/L	1	9/18/2018 2:28:00 AM	B54185
Methylene Chloride	ND	3.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
n-Butylbenzene	ND	3.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
n-Propylbenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
sec-Butylbenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Styrene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
tert-Butylbenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
trans-1,2-DCE	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Trichlorofluoromethane	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Vinyl chloride	ND	1.0		µg/L	1	9/18/2018 2:28:00 AM	B54185
Xylenes, Total	ND	1.5		µg/L	1	9/18/2018 2:28:00 AM	B54185
Surr: 1,2-Dichloroethane-d4	87.4	70-130		%Rec	1	9/18/2018 2:28:00 AM	B54185
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	9/18/2018 2:28:00 AM	B54185
Surr: Dibromofluoromethane	96.3	70-130		%Rec	1	9/18/2018 2:28:00 AM	B54185
Surr: Toluene-d8	93.7	70-130		%Rec	1	9/18/2018 2:28:00 AM	B54185

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

Qualifiers:

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

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	36.0		10.0	1	09/16/2018 12:49	WG1167040

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	53.5		10.0	1	09/16/2018 12:49	WG1167040

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	54.1		10.0	1	09/16/2018 12:49	WG1167040

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	65.6		10.0	1	09/16/2018 12:49	WG1167040

Wet Chemistry by Method 410.4

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
COD	205		10.0	1	09/16/2018 12:50	WG1167040

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	409		10.0	1	09/16/2018 12:51	WG1167040

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	690		10.0	1	09/16/2018 12:51	WG1167040

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	256		10.0	1	09/16/2018 12:51	WG1162042

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	656		10.0	1	09/16/2018 12:51	WG1167040

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	136		10.0	1	09/16/2018 12:52	WG1167040

Method Blank (MB)

(MB) R3342305-1 09/16/18 12:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
COD	U		3.00	10.0

L1025868-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1025868-01 09/16/18 12:47 • (DUP) R3342305-4 09/16/18 12:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
COD	33.6	31.6	1	6.25		20

L1026184-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1026184-01 09/16/18 12:52 • (DUP) R3342305-7 09/16/18 12:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
COD	675	670	1	0.763		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3342305-2 09/16/18 12:44 • (LCSD) R3342305-3 09/16/18 12:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
COD	242	218	219	90.1	90.6	90.0-110			0.549	20

L1026118-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1026118-04 09/16/18 12:49 • (MS) R3342305-5 09/16/18 12:50 • (MSD) R3342305-6 09/16/18 12:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
COD	400	65.6	480	481	104	104	1	80.0-120			0.0583	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**

01-Oct-18

Client: Daniel B. Stephens & Assoc.

Project: Mobergs Garage

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R54185**	RunNo: **54185**
Prep Date:	Analysis Date: **9/17/2018**	SeqNo: **1792541** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	70	130			
Toluene	19	1.0	20.00	0	96.3	70	130			
Chlorobenzene	20	1.0	20.00	0	98.2	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	111	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	95.9	70	130			
Surr: 1,2-Dichloroethane-d4	8.8		10.00		88.5	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.2	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.1	70	130			
Surr: Toluene-d8	9.3		10.00		93.3	70	130			

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R54185**	RunNo: **54185**
Prep Date:	Analysis Date: **9/17/2018**	SeqNo: **1792544** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**
01-Oct-18

Client: Daniel B. Stephens & Assoc.
Project: Mobergs Garage

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R54185**	RunNo: **54185**
Prep Date:	Analysis Date: **9/17/2018**	SeqNo: **1792544** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**

01-Oct-18

Client: Daniel B. Stephens & Assoc.

Project: Mobergs Garage

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R54185**	RunNo: **54185**
Prep Date:	Analysis Date: **9/17/2018**	SeqNo: **1792544** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.9		10.00		89.4	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.0	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.6	70	130			
Surr: Toluene-d8	9.1		10.00		91.4	70	130			

Sample ID **1809700-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BMW-14**	Batch ID: **R54185**	RunNo: **54185**
Prep Date:	Analysis Date: **9/17/2018**	SeqNo: **1792589** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	113	60.5	137			
Toluene	19	1.0	20.00	0	97.0	70	130			
Chlorobenzene	20	1.0	20.00	0	98.4	70	130			
1,1-Dichloroethene	25	1.0	20.00	0	123	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	107	70	130			
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.2	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		95.4	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.1		10.00		91.1	70	130			

Sample ID **1809700-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BMW-14**	Batch ID: **R54185**	RunNo: **54185**
Prep Date:	Analysis Date: **9/17/2018**	SeqNo: **1792590** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	107	60.5	137	5.60	20	
Toluene	19	1.0	20.00	0	94.3	70	130	2.77	20	
Chlorobenzene	19	1.0	20.00	0	96.4	70	130	1.99	20	
1,1-Dichloroethene	23	1.0	20.00	0	113	70	130	9.05	20	
Trichloroethene (TCE)	20	1.0	20.00	0	99.3	70	130	7.06	20	
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.0	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.6		10.00		95.5	70	130	0	0	
Surr: Dibromofluoromethane	11		10.00		107	70	130	0	0	
Surr: Toluene-d8	9.2		10.00		92.3	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**

01-Oct-18

Client: Daniel B. Stephens & Assoc.

Project: Mobergs Garage

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **B54185**	RunNo: **54185**
Prep Date:	Analysis Date: **9/17/2018**	SeqNo: **1792606** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	70	130			
Toluene	20	1.0	20.00	0	97.7	70	130			
Chlorobenzene	20	1.0	20.00	0	98.7	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	115	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	100	70	130			
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.6	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.6	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.3		10.00		93.0	70	130			

Sample ID **rb4**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B54185**	RunNo: **54185**
Prep Date:	Analysis Date: **9/17/2018**	SeqNo: **1792607** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**
01-Oct-18

Client: Daniel B. Stephens & Assoc.
Project: Mobergs Garage

Sample ID **rb4**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B54185**	RunNo: **54185**
Prep Date:	Analysis Date: **9/17/2018**	SeqNo: **1792607** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**

01-Oct-18

Client: Daniel B. Stephens & Assoc.

Project: Mobergs Garage

Sample ID **rb4**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B54185**	RunNo: **54185**
Prep Date:	Analysis Date: **9/17/2018**	SeqNo: **1792607** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.1		10.00		90.9	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.3	70	130			
Surr: Dibromofluoromethane	9.9		10.00		99.2	70	130			
Surr: Toluene-d8	9.4		10.00		93.6	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R54215**	RunNo: **54215**
Prep Date:	Analysis Date: **9/18/2018**	SeqNo: **1794532** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.6		10.00		85.7	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		93.3	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.2	70	130			
Surr: Toluene-d8	9.1		10.00		90.6	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R54215**	RunNo: **54215**
Prep Date:	Analysis Date: **9/18/2018**	SeqNo: **1794533** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ethylbenzene	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	8.6		10.00		86.0	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		93.0	70	130			
Surr: Dibromofluoromethane	9.5		10.00		95.5	70	130			
Surr: Toluene-d8	9.2		10.00		91.9	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**

01-Oct-18

Client: Daniel B. Stephens & Assoc.

Project: Mobergs Garage

Sample ID	**MB-40335**	SampType:	**MBLK**	TestCode:	**SM5210B: BOD**					
Client ID:	**PBW**	Batch ID:	**40335**	RunNo:	**54252**					
Prep Date:	**9/13/2018**	Analysis Date:	**9/18/2018**	SeqNo:	**1794945**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.0								

Sample ID	**MB--40335**	SampType:	**MBLK**	TestCode:	**SM5210B: BOD**					
Client ID:	**PBW**	Batch ID:	**40335**	RunNo:	**54252**					
Prep Date:	**9/13/2018**	Analysis Date:	**9/18/2018**	SeqNo:	**1794946**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.0								

Sample ID	**LCS-40335**	SampType:	**LCS**	TestCode:	**SM5210B: BOD**					
Client ID:	**LCSW**	Batch ID:	**40335**	RunNo:	**54252**					
Prep Date:	**9/13/2018**	Analysis Date:	**9/18/2018**	SeqNo:	**1794947**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	140	2.0	198.0	0	72.8	84.6	115.4			S

Sample ID	**MB-40347**	SampType:	**MBLK**	TestCode:	**SM5210B: BOD**					
Client ID:	**PBW**	Batch ID:	**40347**	RunNo:	**54271**					
Prep Date:	**9/14/2018**	Analysis Date:	**9/19/2018**	SeqNo:	**1795890**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.0								

Sample ID	**MB--40347**	SampType:	**MBLK**	TestCode:	**SM5210B: BOD**					
Client ID:	**PBW**	Batch ID:	**40347**	RunNo:	**54271**					
Prep Date:	**9/14/2018**	Analysis Date:	**9/19/2018**	SeqNo:	**1795891**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.0								

Sample ID	**LCS-40347**	SampType:	**LCS**	TestCode:	**SM5210B: BOD**					
Client ID:	**LCSW**	Batch ID:	**40347**	RunNo:	**54271**					
Prep Date:	**9/14/2018**	Analysis Date:	**9/19/2018**	SeqNo:	**1795892**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	190	2.0	198.0	0	95.4	84.6	115.4			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**
01-Oct-18

Client: Daniel B. Stephens & Assoc.
Project: Mobergs Garage

Sample ID	**1809700-005BDUP**	SampType: **DUP**		TestCode: **SM5210B: BOD**					
Client ID:	**BMW-18**	Batch ID: **40347**		RunNo: **54271**					
Prep Date:	**9/14/2018**	Analysis Date: **9/19/2018**		SeqNo: **1795894**	Units: **mg/L**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	31	2.0						0	35.5	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**

01-Oct-18

Client: Daniel B. Stephens & Assoc.

Project: Mobergs Garage

Sample ID	**MB-A**	SampType: **MBLK**			TestCode: **EPA Method 6010B: Dissolved Metals**				
Client ID:	**PBW**	Batch ID: **A54168**			RunNo: **54168**				
Prep Date:		Analysis Date: **9/15/2018**			SeqNo: **1791275**		Units: **mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								
Manganese	ND	0.0020								

Sample ID	**LCS-A**	SampType: **LCS**			TestCode: **EPA Method 6010B: Dissolved Metals**				
Client ID:	**LCSW**	Batch ID: **A54168**			RunNo: **54168**				
Prep Date:		Analysis Date: **9/15/2018**			SeqNo: **1791277**		Units: **mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.50	0.020	0.5000	0	101	80	120			
Manganese	0.50	0.0020	0.5000	0	100	80	120			

Sample ID	**MB-B**	SampType: **MBLK**			TestCode: **EPA Method 6010B: Dissolved Metals**				
Client ID:	**PBW**	Batch ID: **B54168**			RunNo: **54168**				
Prep Date:		Analysis Date: **9/15/2018**			SeqNo: **1791280**		Units: **mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	0.020								
Manganese	ND	0.0020								

Sample ID	**LCS-B**	SampType: **LCS**			TestCode: **EPA Method 6010B: Dissolved Metals**				
Client ID:	**LCSW**	Batch ID: **B54168**			RunNo: **54168**				
Prep Date:		Analysis Date: **9/15/2018**			SeqNo: **1791282**		Units: **mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.51	0.020	0.5000	0	102	80	120			
Manganese	0.50	0.0020	0.5000	0	101	80	120			

Sample ID	**1809700-010DMS**	SampType: **MS**			TestCode: **EPA Method 6010B: Dissolved Metals**				
Client ID:	**BMW-2**	Batch ID: **B54168**			RunNo: **54168**				
Prep Date:		Analysis Date: **9/15/2018**			SeqNo: **1791313**		Units: **mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.67	0.020	0.5000	0.1864	97.6	75	125			

Sample ID	**1809700-010DMSD**	SampType: **MSD**			TestCode: **EPA Method 6010B: Dissolved Metals**				
Client ID:	**BMW-2**	Batch ID: **B54168**			RunNo: **54168**				
Prep Date:		Analysis Date: **9/15/2018**			SeqNo: **1791316**		Units: **mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.68	0.020	0.5000	0.1864	99.3	75	125	1.18	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**

01-Oct-18

Client: Daniel B. Stephens & Assoc.

Project: Mobergs Garage

Sample ID	**1809700-010DMS**	SampType:	**MS**		TestCode:	**EPA Method 6010B: Dissolved Metals**				
Client ID:	**BMW-2**	Batch ID:	**B54168**		RunNo:	**54168**				
Prep Date:		Analysis Date:	**9/15/2018**		SeqNo:	**1791341**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	4.9	0.010	2.500	2.413	101	75	125			

Sample ID	**1809700-010DMSD**	SampType:	**MSD**		TestCode:	**EPA Method 6010B: Dissolved Metals**				
Client ID:	**BMW-2**	Batch ID:	**B54168**		RunNo:	**54168**				
Prep Date:		Analysis Date:	**9/15/2018**		SeqNo:	**1791342**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	4.9	0.010	2.500	2.413	99.8	75	125	0.520	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1809700**

01-Oct-18

Client: Daniel B. Stephens & Assoc.

Project: Mobergs Garage

Sample ID	**MB-40459**	SampType:	**MBLK**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**PBW**	Batch ID:	**40459**	RunNo:	**54302**					
Prep Date:	**9/19/2018**	Analysis Date:	**9/21/2018**	SeqNo:	**1796863**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-40459**	SampType:	**LCS**	TestCode:	**SM2540C MOD: Total Dissolved Solids**					
Client ID:	**LCSW**	Batch ID:	**40459**	RunNo:	**54302**					
Prep Date:	**9/19/2018**	Analysis Date:	**9/21/2018**	SeqNo:	**1796864**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	990	20.0	1000	0	99.0	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **DBS** Work Order Number: **1809700** RcptNo: **1**

Received By: **Isaiah Ortiz** **9/13/2018 8:20:00 AM** IG

Completed By: **Ashley Gallegos** **9/13/2018 8:46:55 AM** AG

Reviewed By: MJ 09/13/18 @ 1020 Labeled by: JAB 09/13/18

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: 20 (<2 or >12 unless noted)
Adjusted? No
Checked by: JAB 09/13/18

Special Handling (if applicable)

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

Person Notified: Date
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.0	Good	Not Present			
2	0.3	Good	Not Present			
3	2.3	Good	Not Present			

Chain-of-Custody Record

Client: DBS&A

Mailing Address: 6020 Academy Dr
ABQ, NM, 87109

Phone #: 5058279400

email or Fax#: tgolden@geo-logic.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Moberg's Garage

Project #: NM15.0011

Project Manager: T. Golden

Sampler: H. Barnes

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Remarks

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1809700	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	dissolved Fe : Mn	PH	TDS	COD	BOD
9/12/18	1150	gw	BMW-19	Varies	Varies	-001								X							
	1230		DBS-5			-002															
	1330		BMW-11			-003															
	1405		W-1			-004															
	1550		BMW-18			-005															
	1621		BMW-5R			-006															
	1653		BMW-1			-007															
	1720		W-3			-008															
	1746		BMW-3			-009															
↓	1815	↓	BMW-2	↓	↓	-010															
			trip blank			-011															

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/13/18	0820	Heather Barnes	T. Golden	client	09/13/18	0820
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:
1.0 - 1.0 (CF) 0.0
1.3 - 1.0 (CF) 0.3
3.2 - 1.0 (CF) 2.3

APPENDIX B
REGENESIS DESIGN

May 15, 2020

To: Michael D. McVey, P.G. – EA Engineering
Vener Mustafin, P.E. – EA Engineering
Jay T. Snyder, P.E., P.G., CHG – EA Engineering
Via email

From: Carlos Ortiz; South Central District Technical Manager, 469.416.9650
Brittain Griffiths, Technical Services West Region 916.587.3098

Proposal #: BRG63658 Moberg's Garage and Texaco Station

Subject: **Revisions to the ORC Advanced Design, Design Assumptions and Supporting Information**

Regenesis appreciates the opportunity to prepare this remediation plan for treatment of residual petroleum hydrocarbons dissolved phase plume at the Moberg's Garage and Texaco Station Site in Watrous, NM. Based on the site data provided, the preliminary design and cost estimate includes the use of Oxygen Release Compound Advanced® (ORC Advanced) in combination with RegenOx® In Situ Chemical Oxidation (RegenOx).

Site Conceptual Model

The target treatment zone (TTZ) at the Moberg's Garage location encompasses approximately 8,000 square feet (ft^2) with a nominal treatment thickness of 6 ft from 11 ft below ground surface (bgs) to 17 ft bgs. The TTZ at the Texaco Station location encompasses approximately 2,500 ft^2 with a nominal treatment thickness of 6 ft from 11 ft to 17 ft bgs. The purpose of this application injection is to rapidly reduce contaminant concentrations of petroleum hydrocarbons (PHCs) within the proposed treatment area and aerobically degrade PHCs. An electron acceptor material, ORC Advanced, will supply oxygen to the treatment zone to facilitate aerobic biodegradation. Regenesis in collaboration with EA Engineering (EA) evaluated the site-specific groundwater geochemical characteristics. Based on the available groundwater geochemical data for the site, the site appears to have elevated BOD and COD concentrations. Regenesis recommends adding 3 lbs of RegenOx Part A (sodium percarbonate) per injection point at the Moberg's Garage proposed treatment area. RegenOx Part A will provide a quick supply of oxygen while the ORC Advanced will supply a controlled release of oxygen to support the in-situ aerobic bioremediation of petroleum hydrocarbon for up to 12 months. A site map depicting the treatment area and a summary table specifying design assumptions are includes as attachments.

Remedial Design Assumptions and Calculations

Regenesis utilized the following information as part of the information to develop the proposed remedial design.

- Site Specific Geochemical Data provided by EA.
- For design calculations, Regenesis assumed half of the COD concentrations.
- Regenesis utilized an Engineering Safety Factor of 2.0.
- Design Geochemical Product Demand Summary is provided in the tables below.

Site Specific Geochemical Data

Well ID	Plume	BOD	COD	TDS	Dissolved Iron	Dissolved Manganese	ORP	DO
		mg/L	mg/L	mg/L	mg/L	mg/L	mV	mg/L
BMW-1	Moberg's	280	690	1,260	2.3	1.3	-310	0.12
BMW-2	Moberg's	23	136	1,240	0.19	2.4	-142	0.14
BMW-3	Moberg's	377	656	1,260	2.3	5.3	-148	0.21
BMW-5R	Moberg's	390	409	2,050	8.1	1.3	-284	0.06
Moberg's Average		**268**	**473**	**1,453**	**3.2**	**2.6**	**-221**	**0.13**

Well ID	Plume	BOD	COD	TDS	Dissolved Iron	Dissolved Manganese	ORP	DO
		mg/L	mg/L	mg/L	mg/L	mg/L	mV	mg/L
W-1	Texaco	30	65.6	1,710	15	9.9	113	0.29
W-3	Texaco	160	256	4,280	390	57	-71	6.7
Texaco's Average		**95**	**161**	**2,995**	**202.5**	**33.5**	**21**	**0.29**

Well ID	Area	BOD	COD	TDS	Dissolved Iron	Dissolved Manganese	ORP	DO
		mg/L	mg/L	mg/L	mg/L	mg/L	mV	mg/L
DBS-5	Upgradient of Moberg's	<2.0	53.5	820	0.080	0.013	37	0.4
BMW-11	Between Plumes	47	54.1	2,170	7.5	7.9	-92	9.54
BMW-18	Between Plumes	31	205	1,560	15	5.8	-26	0.5
BMW-14	Downgradient of Texaco	<2.0	36.0	774	0.29	0.14	140	1.3

Moberg's Geochemistry Product Demand Summary

Dissolved Phase Geochemistry, Contaminant Mass and Product Demand Summary
Site
Treatment Unit

Petroleum VOCs-Dissolved Phase	Unit	Value	Mass in GW (lbs)	O_2 stoich wtO_2/wt cont.	ORC Advanced Required (lbs)
Benzene	µg/L	**253**	0.2	3.1	4.1
Toluene	µg/L	**41**	0.0	3.1	0.7
Ethylbenzene	µg/L	**1013**	0.9	3.2	17.1
Xylenes	µg/L	**615**	0.6	3.2	10.4
Naphthalene	µg/L	**167**	0.2	3.0	2.6
Trimethylbenzenes (1,2,4+1,3,5 TMBs)	µg/L	**0**	0.0	3.2	0.0
		subtotal PHC VOCs	*1.9*	---	*35.0*
troleum Hydrocarbons-Dissolved Ph	Unit	Value	Mass in GW (lbs)	O_2 stoich wtO_2/wt cont.	ORC Advanced Required (lbs)
TPH-GRO	mg/L	**25**	22.0	3.5	453.5
TPH-DRO	mg/L	**0**	0.0	3.1	0.0
TPH-ERO	mg/L	**0**	0.0	3.1	0.0
TPH-ORO	mg/L	**0**	0.0	3.1	0.0
		subtotal TPH	*22.0*	---	*453.5*

Groundwater Geochemistry	Unit	Value	Mass in GW (lbs)	O_2 stoich wtO_2/wt cont.	ORC Advanced Required (lbs)
pH	s.u.				
DO	mg/L	5.0	4.5		
ORP	mV				
Conductance (µS)	µS				
Alkalinity	mg/L		0.0		
Sodium	mg/L		0.0		
Nitrate/Nitrite	mg/L	5.0	4.5		
Total Mn	mg/L	5.0	4.5		
Diss. Mn	mg/L	2.6	2.3	0.1	1.4
Total Iron	mg/L	3.2	2.9		
Diss. Iron	mg/L	25.0	22.5	0.1	13.2
Sulfate	mg/L	50.0	45.0		
Sulfide	mg/L		0.0		
CO_2	mg/L		0.0		
Methane	µg/L		0.0	4.0	0.0
Ethene	µg/L		0.0		
Ethane	µg/L		0.0		
TOC	mg/L		0.0	3.0	0.0
BOD	mg/L	268.0	241.0	1.0	1417.4
COD	mg/L	237.0	213.1	1.0	1253.5
Subtotal - Reduced Metals (Fe^{2+}, Mn^{2+}), BOD, COD Mass			*529.8*	---	*2685.5*

Sorbed Phase Contaminant Mass and Product Demand Summary

Site

Treatment Unit

Petroleum VOCs-Sorbed Phase	Unit	Value	Mass in Soil (lbs)	O_2 stoich wtO_2/wt cont.	ORC Advanced Required (lbs)
Benzene	µg/kg	62	0.3	3.10	5.9
Toluene	µg/kg	22	0.1	3.10	2.1
Ethylbenzene	µg/kg	663	3.4	3.20	64.6
Xylenes	µg/kg	367	1.9	3.20	35.8
Naphthalene	µg/kg	334	1.7	3.00	30.6
Trimethylbenzenes (1,2,4+1,3,5 TMBs)	µg/kg	0	0.0	3.20	0.0
		subtotal PHC VOCs	*7.5*	---	*138.9*
etroleum Hydrocarbons-Sorbed Pha	**Unit**	**Value**	**Mass in Soil (lbs)**	**O_2 stoich wtO_2/wt cont.**	**ORC Advanced Required (lbs)**
TPH-GRO	mg/kg	18	94.7	3.10	1727.7
TPH-DRO	mg/kg	0	0.0	3.10	0.0
TPH-ERO	mg/kg	0	0.0	3.10	0.0
TPH-ORO	mg/kg	0	0.0	3.10	0.0
		subtotal TPH	*94.7*	---	*1727.7*
Total Sorbed Mass and Demand	*lbs*	*102.2*	*102.2*	---	*1866.7*

<u>Texaco Station Geochemistry Product Demand Summary</u>

Dissolved Phase Geochemistry, Contaminant Mass and Product Demand Summary

Site

Treatment Unit

Petroleum VOCs-Dissolved Phase	Unit	Value	Mass in GW (lbs)	O_2 stoich wtO_2/wt cont.	ORC Advanced Required (lbs)
Benzene	µg/L	10	0.0	3.1	0.1
Toluene	µg/L	10	0.0	3.1	0.1
Ethylbenzene	µg/L	1235	0.3	3.2	6.5
Xylenes	µg/L	491	0.1	3.2	2.6
Naphthalene	µg/L	273	0.1	3.0	1.4
Trimethylbenzenes (1,2,4+1,3,5 TMBs)	µg/L	0	0.0	3.2	0.0
		subtotal PHC VOCs	*0.6*	---	*10.6*
Petroleum Hydrocarbons-Dissolved Phase	**Unit**	**Value**	**Mass in GW (lbs)**	**O_2 stoich wtO_2/wt cont.**	**ORC Advanced Required (lbs)**
TPH-GRO	mg/L	18	5.2	3.5	106.7
TPH-DRO	mg/L	0	0.0	3.1	0.0
TPH-ERO	mg/L	0	0.0	3.1	0.0
TPH-ORO	mg/L	0	0.0	3.1	0.0
		subtotal TPH	*5.2*	---	*106.7*

Groundwater Geochemistry	Unit	Value	Mass in GW (lbs)	O_2 stoich wtO_2/wt cont.	ORC Advanced Required (lbs)
pH	s.u.				
DO	mg/L	0.0	0.0		
ORP	mV				
Conductance (µS)	µS				
Alkalinity	mg/L		0.0		
Sodium	mg/L		0.0		
Nitrate/Nitrite	mg/L	0.0	0.0		
Total Mn	mg/L	0.0	0.0		
Diss. Mn	mg/L	33.5	9.4	0.1	5.5
Total Iron	mg/L	0.0	0.0		
Diss. Iron	mg/L	202.5	56.9	0.1	33.5
Sulfate	mg/L	0.0	0.0		
Sulfide	mg/L		0.0		
CO_2	mg/L		0.0		
Methane	µg/L		0.0	4.0	0.0
Ethene	µg/L		0.0		
Ethane	µg/L		0.0		
TOC	mg/L		0.0	3.0	0.0
BOD	mg/L	95.0	26.7	1.0	157.0
COD	mg/L	80.5	22.6	1.0	133.0
Subtotal - Reduced Metals (Fe^{2+}, Mn^{2+}), BOD, COD Mass			*241.8*	---	*329.1*

Sorbed Phase Contaminant Mass and Product Demand Summary
Site
Treatment Unit

Petroleum VOCs-Sorbed Phase	Unit	Value	Mass in Soil (lbs)	O_2 stoich wtO_2/wt cont.	ORC Advanced Required (lbs)
Benzene	µg/kg	2	0.0	3.10	0.1
Toluene	µg/kg	5	0.0	3.10	0.2
Ethylbenzene	µg/kg	808	1.3	3.20	24.6
Xylenes	µg/kg	293	0.5	3.20	8.9
Naphthalene	µg/kg	546	0.9	3.00	15.6
Trimethylbenzenes (1,2,4+1,3,5 TMBs)	µg/kg	0	0.0	3.20	0.0
		subtotal PHC VOCs	*2.7*	---	*49.4*
Petroleum Hydrocarbons-Sorbed Phase	**Unit**	**Value**	**Mass in Soil (lbs)**	**O_2 stoich wtO_2/wt cont.**	**ORC Advanced Required (lbs)**
TPH-GRO	mg/kg	14	22.3	3.10	406.6
TPH-DRO	mg/kg	0	0.0	3.10	0.0
TPH-ERO	mg/kg	0	0.0	3.10	0.0
TPH-ORO	mg/kg	0	0.0	3.10	0.0
		subtotal TPH	*22.3*	---	*406.6*
Total Sorbed Mass and Demand	***lbs***	***25.0***	***25.0***	---	***456.0***

Assumptions and Qualifications

In generating this design proposal Regenesis relied upon professional judgment and site-specific information provided by others. Using this information as input, we performed calculations based upon known chemical and geologic relationships to generate an estimate of the mass of product and subsurface placement required to affect remediation of the site. The attached design summary tables specify the assumptions used in preparation of this technical design. We request that these modeling input assumptions be verified by your firm prior to application.

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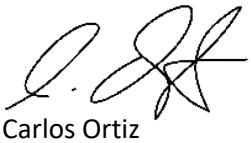
Closing

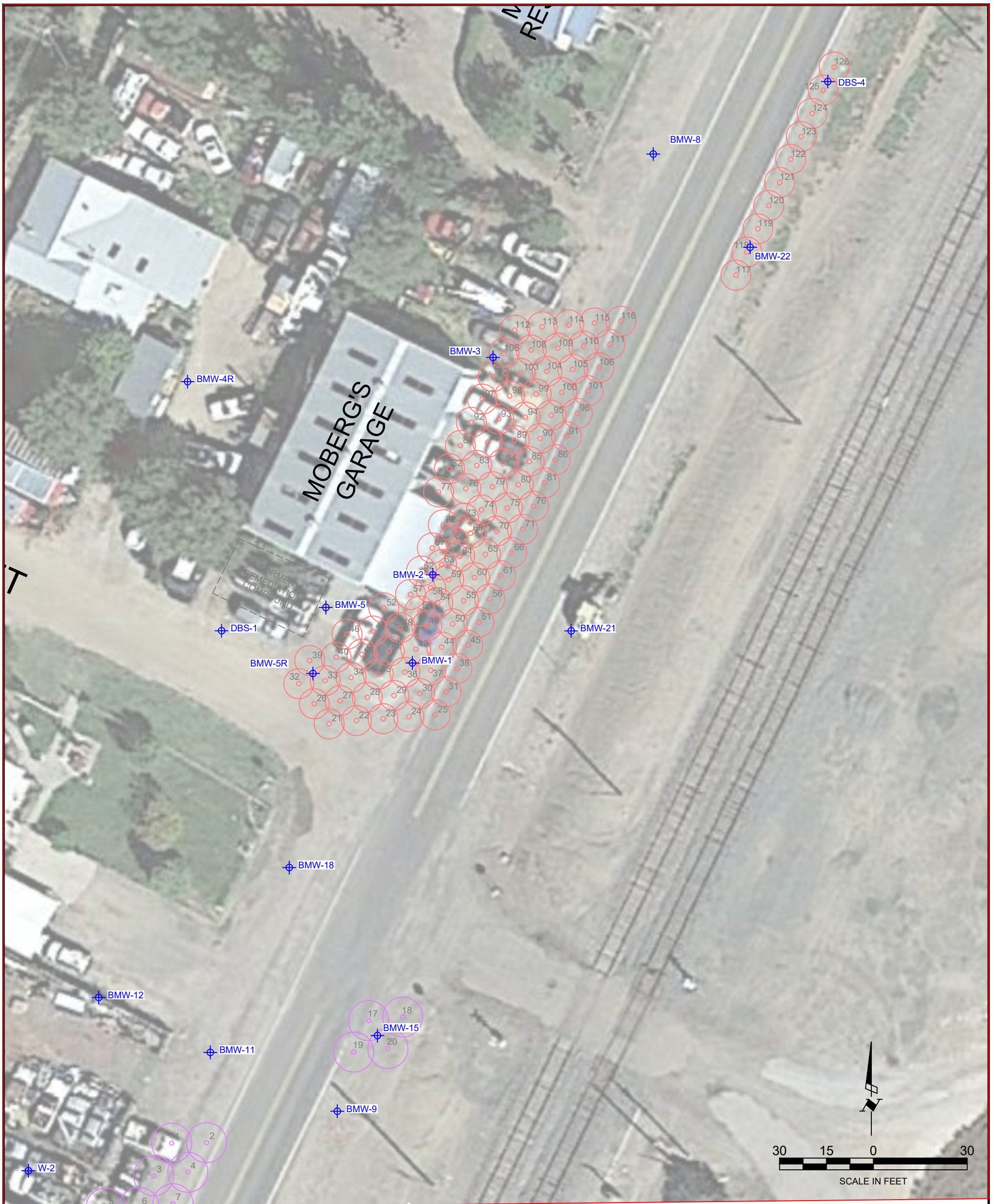
We sincerely appreciate the opportunity to present you with this proposal and look forward to working with you further on this project. We will contact you to set up a mutually convenient time to address your comments and questions.

REGENESIS



Carlos Ortiz
South Central District Technical Manager

P:\Marketing-Proposals\NMED STATE LEAD\Mobergs Garage_Texaco Station - 2019 Feb\Figures



VENER M. MUSTAFIN
SIGNED ELECTRONICALLY
ON JUNE 1, 2020.

VENER M. MUSTAFIN NEW MEXICO 17630 LICENSED PROFESSIONAL ENGINEER

LEGEND:

- MONITORING WELL
- INJECTION POINT WITH RADIUS OF INFLUENCE OF 4.9 FEET WITH SPACING OF 8.5 FEET
- INJECTION POINT WITH RADIUS OF INFLUENCE OF 6.4 FEET WITH SPACING OF 11.1 FEET

NOTES:

1. POINT LOCATIONS MAY BE ADJUSTED BASED ON CONFLICT WITH THE EXISTING STRUCTURES AND UTILITIES.
2. POINT SPACING MAY BE ADJUSTED BASED ON INJECTION PERFORMANCE.

DRAWING NO.: C-1

PROJECT NUMBER: 6350901

MOBERG'S GARAGE AND TEXACO STATION
FINAL REMEDIATION PLAN
WATROUS, NEW MEXICO

INJECTION PLAN

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.
320 Gold Avenue, SW Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013
Fax: (505) 224-9016

REV	DATE	DRAWN	CHECKED	REMARKS
0	02/20/20	VM	JS	4086-1 FINAL REMEDIATION PLAN
1	06/01/20	VM	JS	REVISED BASED ON NEW BOD/COD DATA

REVISIONS

REGENESIS

Project Info

Moberg's Garage
Plume

Target Treatment Zone (TTZ) Info	Unit	Value
Treatment Area	ft^2	8,000
Top Treat Depth	ft	11.0
Bot Treat Depth	ft	17.0
Vertical Treatment Interval	ft	6.0
Treatment Zone Volume	ft^3	48,000
Treatment Zone Volume	cy	1,778
Soil Type	---	sand
Porosity	cm^3/cm^3	0.30
Effective Porosity	cm^3/cm^3	0.25
Treatment Zone Pore Volume	gals	107,719
Treatment Zone Effective Pore Volume	gals	89,766
Fraction Organic Carbon (foc)	g/g	0.002
Soil Density	g/cm^3	1.7
Soil Density	lb/ft^3	108
Soil Weight	lbs	5.2E+06
Hydraulic Conductivity	ft/day	15.0
Hydraulic Conductivity	cm/sec	5.29E-03
Hydraulic Gradient	ft/ft	0.003
GW Velocity	ft/day	0.18
GW Velocity	ft/yr	66
Sources of Oxygen Demand	**Unit**	**Value**
Dissolved Phase Contaminant Mass	lbs	24
Sorbed Phase Contaminant Mass	lbs	102
Reduced Metals (Fe2+ and Mn2+) Mass	lbs	25
BOD mass equivalent	lbs	241
COD mass equivalent	lbs	213
Total Mass Contributing to O_2 Demand	**lbs**	**605**
Stoichiometric Demand	**Unit**	**Value**
Stoichiometric O_2 Demand	lbs	857
Stoichiometric ORC Advanced Demand	**lbs**	**5,041**
Application Dosing	**Unit**	**Value**
ORC Advanced to be Applied	**lbs**	**10,120**

ORC Advanced® Application Design Summary

	Moberg's - 28.5 lbs/ft	
		Field App Instructions
Application Method	**Direct Push**	Input special application instructions here as needed.
Spacing Within Rows (ft)	**12.0**	
Spacing Between Rows (ft)	**11.3**	
Application Points	**59**	
Areal Extent (square ft)	8,000	
Top Application Depth (ft bgs)	11	
Bottom Application Depth (ft bgs)	17	
ORC Advanced to be Applied (lbs)	**10,120**	**Field Mixing Ratios**
ORC Advanced per point (lbs)	172	Water per Pt (gals)
Percent Slurry	**25%**	62
Volume Water (gals)	**3,638**	ORC Advanced per Pt (lbs)
Volume ORC Advanced (gals)	455	172
Total Application Volume (gals)	**4,094**	Total Volume per Pt (gals)
Injection Volume per Point (gals)	69	69

Technical Notes/Discussion

Add 3 lbs of RegenOx Part A per injection point to the ORC-A and inject the two products at the same time.

Assumptions/Qualifications

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REGENESIS

Project Info		
Moberg's Garage		
Plume		
Target Treatment Zone (TTZ) Info	**Unit**	**Value**
Treatment Area	ft^2	8,000
Top Treat Depth	ft	11.0
Bot Treat Depth	ft	17.0
Vertical Treatment Interval	ft	6.0
Treatment Zone Volume	ft^3	48,000
Treatment Zone Volume	cy	1,778
Soil Type	---	sand
Porosity	cm^3/cm^3	0.30
Effective Porosity	cm^3/cm^3	0.25
Treatment Zone Pore Volume	gals	107,719
Treatment Zone Effective Pore Volume	gals	89,766
Fraction Organic Carbon (foc)	g/g	0.002
Soil Density	g/cm^3	1.7
Soil Density	lb/ft^3	108
Soil Weight	lbs	5.2E+06
Hydraulic Conductivity	ft/day	15.0
Hydraulic Conductivity	cm/sec	5.29E-03
Hydraulic Gradient	ft/ft	0.003
GW Velocity	ft/day	0.18
GW Velocity	ft/yr	66
Sources of Oxygen Demand	**Unit**	**Value**
Dissolved Phase Contaminant Mass	lbs	24
Sorbed Phase Contaminant Mass	lbs	102
Reduced Metals (Fe2+ and Mn2+) Mass	lbs	25
BOD mass equivalent	lbs	241
COD mass equivalent	lbs	213
Total Mass Contributing to O_2 Demand	**lbs**	**605**
Stoichiometric Demand	**Unit**	**Value**
Stoichiometric O_2 Demand	lbs	857
Stoichiometric ORC Advanced Demand	**lbs**	**5,041**
Application Dosing	**Unit**	**Value**
ORC Advanced to be Applied	**lbs**	**10,120**

ORC Advanced® Application Design Summary		
	Moberg's 16.87 lb/ft	
		Field App Instructions
Application Method	**Direct Push**	
Spacing Within Rows (ft)	**8.0**	
Spacing Between Rows (ft)	**10.0**	
Application Points	**100**	**Input special application instructions here as needed.**
Areal Extent (square ft)	8,000	
Top Application Depth (ft bgs)	11	
Bottom Application Depth (ft bgs)	17	
ORC Advanced to be Applied (lbs)	**10,120**	**Field Mixing Ratios**
ORC Advanced per point (lbs)	101	Water per Pt (gals)
Percent Slurry	**25%**	36
Volume Water (gals)	**3,638**	ORC Advanced per Pt (lbs)
Volume ORC Advanced (gals)	455	101
Total Application Volume (gals)	**4,094**	Total Volume per Pt (gals)
Injection Volume per Point (gals)	41	41

Technical Notes/Discussion

Add 3 lbs of RegenOx Part A per injection point to the ORC-A and inject the two products at the same time.

Assumptions/Qualifications

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REGENESIS

Project Info

Moberg's Garage
Plume

Target Treatment Zone (TTZ) Info	Unit	Value
Treatment Area	ft^2	8,000
Top Treat Depth	ft	11.0
Bot Treat Depth	ft	17.0
Vertical Treatment Interval	ft	6.0
Treatment Zone Volume	ft^3	48,000
Treatment Zone Volume	cy	1,778
Soil Type	---	sand
Porosity	cm^3/cm^3	0.30
Effective Porosity	cm^3/cm^3	0.25
Treatment Zone Pore Volume	gals	107,719
Treatment Zone Effective Pore Volume	gals	89,766
Fraction Organic Carbon (foc)	g/g	0.002
Soil Density	g/cm^3	1.7
Soil Density	lb/ft^3	108
Soil Weight	lbs	5.2E+06
Hydraulic Conductivity	ft/day	15.0
Hydraulic Conductivity	cm/sec	5.29E-03
Hydraulic Gradient	ft/ft	0.003
GW Velocity	ft/day	0.18
GW Velocity	ft/yr	66
Sources of Oxygen Demand	**Unit**	**Value**
Dissolved Phase Contaminant Mass	lbs	24
Sorbed Phase Contaminant Mass	lbs	102
Reduced Metals (Fe2+ and Mn2+) Mass	lbs	25
BOD mass equivalent	lbs	241
COD mass equivalent	lbs	213
Total Mass Contributing to O_2 Demand	**lbs**	**605**
Stoichiometric Demand	**Unit**	**Value**
Stoichiometric O_2 Demand	lbs	857
Stoichiometric ORC Advanced Demand	**lbs**	**5,041**
Application Dosing	**Unit**	**Value**
ORC Advanced to be Applied	**lbs**	**10,120**

ORC Advanced® Application Design Summary

	Moberg's 13.49 lb/ft	
		Field App Instructions
Application Method	**Direct Push**	Input special application instructions here as needed.
Spacing Within Rows (ft)	**8.0**	
Spacing Between Rows (ft)	**8.0**	
Application Points	**125**	
Areal Extent (square ft)	8,000	
Top Application Depth (ft bgs)	11	
Bottom Application Depth (ft bgs)	17	
ORC Advanced to be Applied (lbs)	**10,120**	**Field Mixing Ratios**
ORC Advanced per point (lbs)	81	Water per Pt (gals)
Percent Slurry	**25%**	29
Volume Water (gals)	**3,638**	ORC Advanced per Pt (lbs)
Volume ORC Advanced (gals)	455	81
Total Application Volume (gals)	**4,094**	Total Volume per Pt (gals)
Injection Volume per Point (gals)	33	33

Technical Notes/Discussion

Add 3 lbs of RegenOx Part A per injection point to the ORC-A and inject the two products at the same time.

Assumptions/Qualifications

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REGENESIS

Project Info

Moberg's Garage (Texaco)
Plume

Target Treatment Zone (TTZ) Info	Unit	Value
Treatment Area	ft^2	2,500
Top Treat Depth	ft	11.0
Bot Treat Depth	ft	17.0
Vertical Treatment Interval	ft	6.0
Treatment Zone Volume	ft^3	15,000
Treatment Zone Volume	cy	556
Soil Type	---	sand
Porosity	cm^3/cm^3	0.30
Effective Porosity	cm^3/cm^3	0.25
Treatment Zone Pore Volume	gals	33,662
Treatment Zone Effective Pore Volume	gals	28,052
Fraction Organic Carbon (foc)	g/g	0.002
Soil Density	g/cm^3	1.7
Soil Density	lb/ft^3	108
Soil Weight	lbs	1.6E+06
Hydraulic Conductivity	ft/day	15.0
Hydraulic Conductivity	cm/sec	5.29E-03
Hydraulic Gradient	ft/ft	0.003
GW Velocity	ft/day	0.18
GW Velocity	ft/yr	66
Sources of Oxygen Demand	**Unit**	**Value**
Dissolved Phase Contaminant Mass	lbs	6
Sorbed Phase Contaminant Mass	lbs	25
Reduced Metals (Fe2+ and Mn2+) Mass	lbs	66
BOD mass equivalent	lbs	27
COD mass equivalent	lbs	23
Total Mass Contributing to O_2 Demand	**lbs**	**146**
Stoichiometric Demand	**Unit**	**Value**
Stoichiometric O_2 Demand	lbs	153
Stoichiometric ORC Advanced Demand	**lbs**	**902**
Application Dosing	**Unit**	**Value**
ORC Advanced to be Applied	**lbs**	**1,840**

ORC Advanced® Application Design Summary

Texaco 20.44 lbs/ft

		Field App Instructions
Application Method	**Direct Push**	Input special application instructions here as needed.
Spacing Within Rows (ft)	**12.5**	
Spacing Between Rows (ft)	**13.0**	
Application Points	**15**	
Areal Extent (square ft)	2,500	
Top Application Depth (ft bgs)	11	
Bottom Application Depth (ft bgs)	17	
ORC Advanced to be Applied (lbs)	**1,840**	**Field Mixing Ratios**
ORC Advanced per point (lbs)	123	Water per Pt (gals)
Percent Slurry	**25%**	44
Volume Water (gals)	**661**	ORC Advanced per Pt (lbs)
Volume ORC Advanced (gals)	83	123
Total Application Volume (gals)	**744**	Total Volume per Pt (gals)
Injection Volume per Point (gals)	50	50

Technical Notes/Discussion

For each injection point add 2 lbs of RegenOx Part A to the ORC-A and inject at the same time.

Assumptions/Qualifications

In generating this preliminary estimate, Regenesis relied upon professional judgment and site specific information provided by others. Using this information as input, we performed calculations based upon known chemical and geologic relationships to generate an estimate of the mass of product and subsurface placement required to affect remediation of the site.

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REGENESIS

Project Info

Moberg's Garage (Texaco)
Plume

Target Treatment Zone (TTZ) Info	Unit	Value
Treatment Area	ft^2	2,500
Top Treat Depth	ft	11.0
Bot Treat Depth	ft	17.0
Vertical Treatment Interval	ft	6.0
Treatment Zone Volume	ft^3	15,000
Treatment Zone Volume	cy	556
Soil Type	---	sand
Porosity	cm^3/cm^3	0.30
Effective Porosity	cm^3/cm^3	0.25
Treatment Zone Pore Volume	gals	33,662
Treatment Zone Effective Pore Volume	gals	28,052
Fraction Organic Carbon (foc)	g/g	0.002
Soil Density	g/cm^3	1.7
Soil Density	lb/ft^3	108
Soil Weight	lbs	1.6E+06
Hydraulic Conductivity	ft/day	15.0
Hydraulic Conductivity	cm/sec	5.29E-03
Hydraulic Gradient	ft/ft	0.003
GW Velocity	ft/day	0.18
GW Velocity	ft/yr	66
Sources of Oxygen Demand	**Unit**	**Value**
Dissolved Phase Contaminant Mass	lbs	6
Sorbed Phase Contaminant Mass	lbs	25
Reduced Metals (Fe2+ and Mn2+) Mass	lbs	66
BOD mass equivalent	lbs	27
COD mass equivalent	lbs	23
Total Mass Contributing to O_2 Demand	**lbs**	**146**
Stoichiometric Demand	**Unit**	**Value**
Stoichiometric O_2 Demand	lbs	153
Stoichiometric ORC Advanced Demand	**lbs**	**902**
Application Dosing	**Unit**	**Value**
ORC Advanced to be Applied	**lbs**	**1,840**

ORC Advanced® Application Design Summary

Texaco 14.6 lbs/ft

		Field App Instructions
Application Method	**Direct Push**	Input special application instructions here as needed.
Spacing Within Rows (ft)	**10.0**	
Spacing Between Rows (ft)	**12.0**	
Application Points	**21**	
Areal Extent (square ft)	2,500	
Top Application Depth (ft bgs)	11	
Bottom Application Depth (ft bgs)	17	
ORC Advanced to be Applied (lbs)	**1,840**	**Field Mixing Ratios**
ORC Advanced per point (lbs)	88	Water per Pt (gals)
Percent Slurry	**25%**	31
Volume Water (gals)	**661**	ORC Advanced per Pt (lbs)
Volume ORC Advanced (gals)	83	88
Total Application Volume (gals)	**744**	Total Volume per Pt (gals)
Injection Volume per Point (gals)	35	35

Technical Notes/Discussion

For each injection point add 2 lbs of RegenOx Part A to the ORC-A and inject at the same time.

Assumptions/Qualifications

In generating this preliminary estimate, Regenesis relied upon professional judgment and site specific information provided by others. Using this information as input, we performed calculations based upon known chemical and geologic relationships to generate an estimate of the mass of product and subsurface placement required to affect remediation of the site.

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OXYGEN RELEASE COMPOUND

ORC Advanced® Technical Description

ORC Advanced® is an engineered, oxygen release compound designed specifically for enhanced, *in situ* aerobic bioremediation of petroleum hydrocarbons in groundwater and saturated soils. Upon contact with groundwater, this calcium oxyhydroxide-based material becomes hydrated producing a controlled release of molecular oxygen (17% by weight) for periods of up to 12 months on a single application.

Example of ORC Advanced

ORC Advanced decreases time to site closure and accelerates degradation rates up to 100 times faster than natural degradation rates. A single ORC Advanced application can support aerobic biodegradation for up to 12 months with minimal site disturbance, no permanent or emplaced above ground equipment, piping, tanks, power sources, etc are needed. There is no operation or maintenance required. ORC Advanced provides lower costs, greater efficiency and reliability compared to engineered mechanical systems, oxygen emitters and bubblers.

ORC Advanced provides remediation practitioners with a significantly faster and highly effective means of treating petroleum contaminated sites. Petroleum hydrocarbon contamination is often associated with retail petroleum service stations resulting from leaking underground storage tanks, piping and dispensers. As a result, ORC Advanced technology and applications have been tailored around the remediation needs of the retail petroleum industry and include: tank pit excavations, amending and mixing with backfill, direct-injection, bore-hole backfill, ORC Advanced Pellets for waterless and dustless application, combined ISCO and bioremediation applications, etc.

For a list of treatable contaminants with the use of ORC Advanced, view the Range of Treatable Contaminants Guide

Chemical Composition

- Calcium hydroxide oxide
- Calcium hydroxide
- Monopotassium phosphate
- Dipotassium phosphate

Properties

- Physical state: Solid
- Form: Powder
- Odor: Odorless
- Color: White to pale yellow
- pH: 12.5 (3% suspension/water)

OXYGEN RELEASE COMPOUND

ORC Advanced® Technical Description

Storage and Handling Guidelines

Storage
Store in a cool, dry place out of direct sunlight
Store in original tightly closed container
Store in a well-ventilated place
Do not store near combustible materials
Store away from incompatible materials
Provide appropriate exhaust ventilation in places where dust is formed

Handling
Minimize dust generation and accumulation
Keep away from heat
Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces
Observe good industrial hygiene practices
Take precaution to avoid mixing with combustibles
Keep away from clothing and other combustible materials
Avoid contact with water and moisture
Avoid contact with eyes, skin, and clothing
Avoid prolonged exposure
Wear appropriate personal protective equipment

Applications

- Slurry mixture direct-push injection through hollow rods or direct-placement into boreholes
- *In situ* or *ex situ* slurry mixture into contaminated backfill or contaminated soils in general
- Slurry mixture injections in conjunction with chemical oxidants like RegenOx or PersulfOx
- Filter sock applications in groundwater for highly localized treatment
- *Ex situ* biopiles

Health and Safety

Wash thoroughly after handling. Wear protective gloves, eye protection, and face protection. Please review the ORC Advanced Safety Data Sheet for additional storage, usage, and handling requirements.

REGENESIS®

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673
949.366.8000

Remedial Design Assumptions and Qualifications

Cost Estimate Disclaimer: The cost listed assumes conditions set forth within the proposed scope of work and assumptions and qualifications. Changes to either could impact the final cost of the project. This may include final shipping arrangements, sales tax or application related tasks such as product storage and handling, access to water, etc. If items listed need to be modified, please contact Regenesis for further evaluation.

Shipping Estimates: Shipping estimates are valid for 30 days. All shipping charges are estimates and actual freight charges are calculated at the time of invoice. Additional freight charges may be assessed for any accessorial requested at the time of delivery. The estimate included within assumes standard shipping.

Standard delivery is between 8am -5pm Monday –Friday. *accessorial – can include, but not limited to lift gate and pallet jack at delivery, inside delivery, time definite deliveries, and delivery appointments.

Please communicate any requirements for delivery with the customer service department at the time the order is placed.

Return Policy: To initiate a return please contact your local sales manager for an RMA. A 15% re-stocking fee will be charged for all returned goods. Return freight must be prepaid. All requests to return product must be in original condition and no product will be accepted for return after 90 days from date of delivery.

Professional Judgement: In generating this estimate, REGENESIS relied upon professional judgment and site specific information provided by others. Using this information as input, we performed calculations based upon known chemical and geologic relationships to generate an estimate of the mass of product and subsurface placement required to affect remediation of the site.

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1011 Calle Sombra
San Clemente, CA 92673-6244
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Terms and Conditions
Products and Services

1. PAYMENT TERMS. Net 30 Days. Accounts outstanding after 30 days will be assessed 1.5% monthly interest. Volume discount pricing will be rescinded on all accounts outstanding over 90 days. An early payment discount of 1.5% Net 10 is available for cash or check payments only. We accept Master Card, Visa and American Express.

2. **RETURN POLICY.** A 15% re-stocking fee will be charged for all returned goods. All requests to return product must be pre-approved by seller. Returned product must be in original condition and no product will be accepted for return after a period of 90 days.

3 FORCE MAJEURE. Seller shall not be liable for delays in delivery or services or failure to manufacture or deliver due to causes beyond its reasonable control, including but not limited to acts of God, acts of buyer, acts of military or civil authorities, fires, strikes, flood, epidemic, war, riot, delays in transportation or car shortages, or inability to obtain necessary labor, materials, components or services through seller's usual and regular sources at usual and regular prices. In any such event Seller may, without notice to buyer, at any time and from time to time, postpone the delivery or service dates under this contract or make partial delivery or performance or cancel all or any portion of this and any other contract with buyer without further liability to buyer. Cancellation of any part of this order shall not affect Seller's right to payment for any product delivered or service performed hereunder.

4. LIMITED WARRANTY. Seller warrants the product(s) sold and services provided as specified on face of invoice, solely to buyer. Seller makes no other warranty of any kind respecting the product and services, and expressly DISCLAIMS ALL OTHER WARRANTIES OF WHATEVER KIND RESPECTING THE PRODUCT AND SERVICES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND NON-INFRINGEMENT.

5. DISCLAIMER. Where warranties to a person other than buyer may not be disclaimed under law, seller extends to such a person the same warranty seller makes to buyer as set forth herein, subject to all disclaimers, exclusions and limitations of warranties, all limitations of liability and all other provisions set forth in the Terms and Conditions herein. Buyer agrees to transmit a copy of the Terms and Conditions set forth herein to any and all persons to whom buyer sells, or otherwise furnishes the products and/or services provided buyer by seller and buyer agrees to indemnify seller for any liability, loss, costs and attorneys' fees which seller may incur by reason, in whole or in part, of failure by buyer to transmit the Terms and Conditions as provided herein.

6. LIMITATION OF SELLER'S LIABILITY AND LIMITATION OF BUYER'S REMEDY. Seller's liability on any claim of any kind, including negligence, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery, resale, repair or use of any goods or performance of any services covered by or furnished hereunder, shall in no case exceed the lesser of (1) the cost of repairing or replacing goods and repeating the services failing to conform to the forgoing warranty or the price of the goods and/or services or part thereof which gives rise to the claim. IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, OR FOR DAMAGES IN THE NATURE OF PENALTIES.

7. INDEMNIFICATION. Buyer agrees to defend and indemnify seller of and from any and all claims or liabilities asserted against seller in connection with the manufacture, sale, delivery, resale or repair or use of any goods, and performance of any services, covered by or furnished hereunder arising in whole or in part out of or by reason of the failure of buyer, its agents, servants, employees or customers to follow instructions, warnings or recommendations furnished by seller in connection with such goods and services, by reason of the failure of buyer, its agents, servants, employees or customers to comply with all federal, state and local laws applicable to such goods and services, or the use thereof, including the Occupational Safety and Health Act of 1970, or by reason of the negligence or misconduct of buyer, its agents, servants, employees or customers.

8. EXPENSES OF ENFORCEMENT. In the event seller undertakes any action to collect amounts due from buyer, or otherwise enforce its rights hereunder, Buyer agrees to pay and reimburse Seller for all such expenses, including, without limitation, all attorneys and collection fees.

9. TAXES. Liability for all taxes and import or export duties, imposed by any city, state, federal or other governmental authority, shall be assumed and paid by buyer. Buyer further agrees to defend and indemnify seller against any and all liabilities for such taxes or duties and legal fees or costs incurred by seller in connection therewith.

10. ASSISTANCE AND ADVICE. Upon request, seller in its discretion will furnish as an accommodation to buyer such technical advice or assistance as is available in reference to the goods and services. Seller assumes no obligation or liability for the advice or assistance given or results obtained, all such advice or assistance being given and accepted at buyer's risk.

11. SITE SAFETY. Buyer shall provide a safe working environment at the site of services and shall comply with all applicable provisions of federal, state, provincial and municipal safety laws, building codes, and safety regulations to prevent accidents or injuries to persons on, about or adjacent to the site.

12. INDEPENDENT CONTRACTOR. Seller and Buyer are independent contractors and nothing shall be construed to place them in the relationship of partners, principal and agent, employer/employee or joint ventures. Neither party will have the power or right to bind or obligate the other party except as may be expressly agreed and delegated by other party, nor will it hold itself out as having such authority.

13. REIMBURSEMENT. Seller shall provide the products and services in reliance upon the data and professional judgments provided by or on behalf of buyer. The fees and charges associated with the products and services thus may not conform to billing guidelines, constraints or other limits on fees. Seller does not seek reimbursement directly from any government agency or any governmental reimbursement fund (the "Government"). In any circumstance where seller may serve as a supplier or subcontractor to an entity which seeks reimbursement from the Government for all or part of the services performed or products provided by seller, it is the sole responsibility of the buyer or other entity seeking reimbursement to ensure the products and services and associated charges are in compliance with and acceptable to the Government prior to submission. When serving as a supplier or subcontractor to an entity which seeks reimbursement from the Government, seller does not knowingly present or cause to be presented any claim for payment to the Government.

14. APPLICABLE LAW/JURISDICTION AND VENUE. The rights and duties of the parties shall be governed by, construed, and enforced in accordance with the laws of the State of California (excluding its conflict of laws rules which would refer to and apply the substantive laws of another jurisdiction). Any suit or proceeding hereunder shall be brought exclusively in state or federal courts located in Orange County, California. Each party consents to the personal jurisdiction of said state and federal courts and waives any objection that such courts are an inconvenient forum.

15. ENTIRE AGREEMENT. This agreement constitutes the entire contract between buyer and seller relating to the goods or services identified herein. No modifications hereof shall be binding upon the seller unless in writing and signed by seller's duly authorized representative, and no modification shall be effected by seller's acknowledgment or acceptance of buyer's purchase order forms containing different provisions. Trade usage shall neither be applicable nor relevant to this agreement, nor be used in any manner whatsoever to explain, qualify or supplement any of the provisions hereof. No waiver by either party of default shall be deemed a waiver of any subsequent default.

Remedial Design Assumptions and Qualifications

Cost Estimate Disclaimer: The cost listed assumes conditions set forth within the proposed scope of work and assumptions and qualifications. Changes to either could impact the final cost of the project. This may include final shipping arrangements, sales tax or application related tasks such as product storage and handling, access to water, etc. If items listed need to be modified, please contact Regenesis for further evaluation.

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4. LIMITED WARRANTY. Seller warrants the product(s) sold and services provided as specified on face of invoice, solely to buyer. Seller makes no other warranty of any kind respecting the product and services, and expressly DISCLAIMS ALL OTHER WARRANTIES OF WHATEVER KIND RESPECTING THE PRODUCT AND SERVICES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND NON-INFRINGEMENT.

5. DISCLAIMER. Where warranties to a person other than buyer may not be disclaimed under law, seller extends to such a person the same warranty seller makes to buyer as set forth herein, subject to all disclaimers, exclusions and limitations of warranties, all limitations of liability and all other provisions set forth in the Terms and Conditions herein. Buyer agrees to transmit a copy of the Terms and Conditions set forth herein to any and all persons to whom buyer sells, or otherwise furnishes the products and/or services provided buyer by seller and buyer agrees to indemnify seller for any liability, loss, costs and attorneys' fees which seller may incur by reason, in whole or in part, of failure by buyer to transmit the Terms and Conditions as provided herein.

6. LIMITATION OF SELLER'S LIABILITY AND LIMITATION OF BUYER'S REMEDY. Seller's liability on any claim of any kind, including negligence, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery, resale, repair or use of any goods or performance of any services covered by or furnished hereunder, shall in no case exceed the lesser of (1) the cost of repairing or replacing goods and repeating the services failing to conform to the forgoing warranty or the price of the goods and/or services or part thereof which gives rise to the claim. IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, OR FOR DAMAGES IN THE NATURE OF PENALTIES.

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10. ASSISTANCE AND ADVICE. Upon request, seller in its discretion will furnish as an accommodation to buyer such technical advice or assistance as is available in reference to the goods and services. Seller assumes no obligation or liability for the advice or assistance given or results obtained, all such advice or assistance being given and accepted at buyer's risk.

11. SITE SAFETY. Buyer shall provide a safe working environment at the site of services and shall comply with all applicable provisions of federal, state, provincial and municipal safety laws, building codes, and safety regulations to prevent accidents or injuries to persons on, about or adjacent to the site.

12. INDEPENDENT CONTRACTOR. Seller and Buyer are independent contractors and nothing shall be construed to place them in the relationship of partners, principal and agent, employer/employee or joint ventures. Neither party will have the power or right to bind or obligate the other party except as may be expressly agreed and delegated by other party, nor will it hold itself out as having such authority.

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15. ENTIRE AGREEMENT. This agreement constitutes the entire contract between buyer and seller relating to the goods or services identified herein. No modifications hereof shall be binding upon the seller unless in writing and signed by seller's duly authorized representative, and no modification shall be effected by seller's acknowledgment or acceptance of buyer's purchase order forms containing different provisions. Trade usage shall neither be applicable nor relevant to this agreement, nor be used in any manner whatsoever to explain, qualify or supplement any of the provisions hereof. No waiver by either party of default shall be deemed a waiver of any subsequent default.

APPENDIX C
CALCULATIONS

CALCULATION 1. DESIGN GROUNDWATER AND SOIL CONCENTRATIONS - NORTHERN "MOBERG'S" HOT SPOT
MOBERG'S GARAGE AND TEXACO STATION
WATROUS, NEW MEXICO

REPORTED GROUNDWATER CONCENTRATIONS, 10/22/2019										
Well ID	**DRO**	**MRO**	**GRO**	**TPH**	**B**	**T**	**E**	**X**	**N**	***BTEXN***
Units	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
BMW-1	9.1	<5.0	19	28.1	130	93	2,000	1,300	130	***3,653***
BMW-2	11	<5.0	14	25.0	730	55	850	670	420	***2,725***
BMW-3	9.1	<5.0	7	16.3	140	10	380	41	40	***611***
BMW-5R	6.8	<5.0	20	26.8	13.0	5.0	820	450	77	***1,365***
Average Aqueous Concentration		***C_{water}***		**24.05**	***253***	***41***	***1,013***	***615***	***167***	***2,089***
TPH : BTEXN				**11.5**						

CALCULATION OF SOIL CONCENTRATIONS BASED ON GROUNDWATER PARTITIONING										
Default Soil Organic Carbon/Water Partition Coefficient [1]	K_{oc}	cm^3/g			146	234	446	383	1,540	
Default Fraction Organic Carbon [1]	f_{oc}	%			0.15%	0.15%	0.15%	0.15%	0.15%	
Soil-water partitioning coefficient, Table B-2 [1]	K_d	cm^3/g			0.219	0.351	0.669	0.575	2.31	
Average Soil Concentration	***C_{soil}***	***mg/kg***		***17.1***	***0.055***	***0.014***	***0.677***	***0.353***	***0.385***	***1.486***

Formulas: $K_d = K_{oc} \cdot f_{oc}$ $C_{soil} = C_{water} \cdot K_d$

Abbreviations

[1]	Reference: "NMED Risk Assessment Guidelines for Site Investigation and Remediation. February 2019."
µg/L	micrograms per liter
B	Benzene
BTEXN	Benzene, toluene, ethylbenzene, xylenes, naphthalenes
cm^3/g	cubic centimeter per gram
DRO	Diesel range organics
E	Ethylbenzene
GRO	Gasoline range organics
mg/L	milligrams per liter
MRO	Motor range organics
T	Toluene
TPH	Total Petroleum Hydrocarbons
X	Xylenes

CALCULATION 2. DESIGN GROUNDWATER AND SOIL CONCENTRATIONS - SOUTHERN "TEXACO" HOT SPOT
MOBERG'S GARAGE AND TEXACO STATION
WATROUS, NEW MEXICO

REPORTED GROUNDWATER CONCENTRATIONS, 10/22/2019										
Well ID	**DRO**	**MRO**	**GRO**	**TPH**	**B**	**T**	**E**	**X**	**N**	**BTEXN**
Units	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
W-1	3.6	<5.0	9.1	12.7	1	1	770	2	95	***869***
W-3	7.2	<5.0	17	24.2	19	21	1,700	980	450	***3,170***
Average Aqueous Concentration	C_{water}			*18.45*	*10*	*11*	*1,235*	*491*	*273*	***2,019***
TPH : BTEXN				**9.14**						

CALCULATION OF SOIL CONCENTRATIONS BASED ON GROUNDWATER PARTITIONING										
Default Soil Organic Carbon/Water Partition Coefficient [1]	K_{oc}	cm^3/g			146	234	446	383	1540	
Default Fraction Organic Carbon [1]	f_{oc}	%			0.15%	0.15%	0.15%	0.15%	0.15%	
Soil-water partitioning coefficient, Table B-2 [1]	K_d	cm^3/g			0.219	0.351	0.669	0.575	2.31	
Average Soil Concentration	C_{soil}	***mg/kg***		***15.9***	***0.002***	***0.004***	***0.826***	***0.282***	***0.629***	***1.74***

Formulas:

$$K_d = K_{oc} \cdot f_{oc} \qquad C_{soil} = C_{water} \cdot K_d$$

Abbreviations

[1]	Reference: "NMED Risk Assessment Guidelines for Site Investigation and Remediation. February 2019."
µg/L	micrograms per liter
B	Benzene
BTEXN	Benzene, toluene, ethylbenzene, xylenes, naphthalenes
cm^3/g	cubic centimeter per gram
DRO	Diesel range organics
E	Ethylbenzene
GRO	Gasoline range organics
mg/L	milligrams per liter
MRO	Motor range organics
T	Toluene
TPH	Total Petroleum Hydrocarbons
X	Xylenes

APPENDIX D
MANUFACTURER CUT SHEETS

OXYGEN RELEASE COMPOUND

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Example of ORC Advanced

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For a list of treatable contaminants with the use of ORC Advanced, view the Range of Treatable Contaminants Guide

Chemical Composition

- Calcium hydroxide oxide
- Calcium hydroxide
- Monopotassium phosphate
- Dipotassium phosphate

Properties

- Physical state: Solid
- Form: Powder
- Odor: Odorless
- Color: White to pale yellow
- pH: 12.5 (3% suspension/water)

OXYGEN RELEASE COMPOUND

ORC Advanced® Technical Description

Storage and Handling Guidelines

Storage
Store in a cool, dry place out of direct sunlight
Store in original tightly closed container
Store in a well-ventilated place
Do not store near combustible materials
Store away from incompatible materials
Provide appropriate exhaust ventilation in places where dust is formed

Handling
Minimize dust generation and accumulation
Keep away from heat
Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces
Observe good industrial hygiene practices
Take precaution to avoid mixing with combustibles
Keep away from clothing and other combustible materials
Avoid contact with water and moisture
Avoid contact with eyes, skin, and clothing
Avoid prolonged exposure
Wear appropriate personal protective equipment

Applications

- Slurry mixture direct-push injection through hollow rods or direct-placement into boreholes
- *In situ* or *ex situ* slurry mixture into contaminated backfill or contaminated soils in general
- Slurry mixture injections in conjunction with chemical oxidants like RegenOx or PersulfOx
- Filter sock applications in groundwater for highly localized treatment
- *Ex situ* biopiles

Health and Safety

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Oxygen Release Compound (ORC®) Installation Instructions: Direct-Injection Slurry Application

Safety

Pure ORC® is shipped to you as a fine powder rated at -325 mesh (passes through a 44 micron screen). It is considered to be a mild oxidizer and as such should be handled with care while in the field. Field personnel should take precautions while applying the pure ORC. Typically, the operator should work upwind of the product as well as use appropriate safety equipment. These would include eye and respiratory protection, and gloves as deemed appropriate by exposure duration and field conditions.

Personnel operating the field equipment utilized during the installation process should have appropriate training, supervision and experience.

General Guidelines

ORC may be installed in the contaminated saturated zone in the ground utilizing hand augered holes, Geoprobe® type hydraulic punch equipment, or hollow stem augers. This set of instructions is specific for Geoprobe equipment. Alternate instructions may be obtained from the REGENESIS® Technical Support Department.

For optimum results the ORC slurry installation should span the entire vertical contaminated saturated thickness, including the capillary fringe and “smear zone”.

Two general installation approaches are available. The first is to backfill only the probe hole with slurry. This is a simple approach, in that it is easy, straightforward, and the location of the ORC slurry is precisely known after installation. However, this method requires significantly more probe holes than the alternative, and may take more time for the completion of the remediation process. A separate set of instructions for this method utilizing Geoprobe equipment is available from REGENESIS.

The second method is to inject the slurry through the probe holes into the contaminated saturated zone. This method requires fewer probe holes, is less disruptive to the site, and aids the spread of oxygen by spreading the ORC source material. However, it may be difficult to know the exact, final disposition of the ORC installed with this method. This is the method described in these instructions.

Note: It is important that the installation method and specific ORC slurry point location be established prior to field installation. It is also important that the ORC slurry volume and solids content for each drive point be predetermined.

The REGENESIS Technical Service Department is available to discuss these issues, and Helpful Hints at the end of these instructions offers relevant information. REGENESIS also has available Technical Bulletins covering source treatments with ORC.

OXYGEN RELEASE COMPOUND

Specific Installation Procedures

1. Identify the location of all underground structures, including utilities, tanks, distribution piping, sewers, drains, and landscape irrigation systems.
2. Identify surface and aerial impediments.
3. Adjust planned installation locations for all impediments and obstacles.
4. Pre-mark the installation grid point locations, noting any that have special depth requirements.
5. Set up the Geoprobe unit over each specific point, following manufacturer recommended procedures. Care should be taken to assure approximate vertical probe holes.
6. Penetrate surface pavement, if necessary, following standard Geoprobe procedures.
7. Drive the 1 1/2" (one-and-one-half inch) pre-probe (part #AT-148B) with the expendable tip (part #AT142B) to the desired maximum depth. Standard 1" (one inch) drive rods (part AT104B) should be used, after the pre-probe. (Hint: Pre-counted drive rods should be positioned prior to the installation driving procedure to assure the desired depth is reached.)
8. Disconnect the drive rods from the expendable tip, following standard Geoprobe procedures.
9. Mix the appropriate quantity of ORC slurry for the current drive point. (See separate "Directions for ORC® Slurry Mixing" and Helpful Hints). Note: Do not mix more slurry than will be used within a 30 minute period.
10. Set up and operate an appropriate slurry pump according to manufacturer's directions. Based on our experience, a Geoprobe model GS-1000 pump is recommended. Connect the pump to the probe grout pull cap (GS-1054) via a 1 inch diameter delivery hose. The hose is then attached to the 1" drive rod with its quick connector fitting. Upon confirmation of all connections add the ORC slurry to the pump hopper/tank.
11. Withdraw the pre-probe and drive stem 4' (four feet). (Also note Helpful Hints - Operations at end of instructions.)
12. Optional pretreatment step. (See Helpful Hints - Operations at end of instructions). Pump one to two gallons of tap water into the aquifer to enhance dispersion pathways from the probe hole.
13. Pump the predetermined quantity of ORC slurry for the depth interval being injected. Observe pump pressure levels for indications of slurry dispersion or refusal into the aquifer. (Increasing pressure indicates reduced acceptance of material by the aquifer).
14. Remove one 4' section of the 1" drive rod. The drive rod will contain slurry. This slurry should be returned to the ORC bucket for reuse.
15. Repeat steps 11, 13, and 14 until treatment of the entire affected thickness has been achieved. It is generally recommended that the procedure extend to the top of the capillary fringe/smear zone.
16. Install an appropriate seal, such as bentonite, above the ORC slurry through the entire vadose zone. This helps assure that the slurry stays in place and prevents contaminant migration from the surface. Depending on soil conditions and local regulations, a bentonite seal can be pumped through the slurry pump or added via chips or pellets after probe removal.
17. Remove and decontaminate the drive rods and pre-probe.
18. Finish the probe hole at surface as appropriate (concrete or asphalt cap, if necessary).
19. Move to the next probe point, repeating steps 5 through 18.

A. Physical Characteristics

A1. Slurry

The ORC slurry is made using the dry ORC powder (rated at -325 mesh). It makes a smooth slurry, with a consistency that depends on the amount of water used.

A thick, but pumpable, slurry that approaches a paste can be made by using 65-67% solids. This material would normally be used for back-filling a bore or probe hole. It is especially useful where maximum density is desired such as where ground water is present in the hole or there are heaving sands.

Thinner slurries can be made by using more water. Typical solids for the thinner slurries content will range from 35% to 62%. Such slurries are useful for injecting through a probe or bore hole into the saturated aquifer.

As a rule, it is best to mix the first batch of slurry at the maximum solids content one would expect to use. It can then be thinned by adding additional water in small increments. By monitoring this process, the appropriate quantities of water for subsequent batches can be determined.

The slurry should be mixed at about the time it is expected to be used. It is best to not hold it for more than 30 minutes. Thinner slurries, especially, can experience a separation upon standing. All ORC slurries have a tendency to form cements when left standing. If a slurry begins to thicken too much, it should be mixed again and additional water added if necessary.

Care should be taken with slurry that may be left standing in a grout pump or hose. Problems can generally be avoided by periodically re-circulating the slurry through the pump and hose back into the pump's mixing or holding tank.

A2. Equipment

Most geotechnical grout pumping equipment has a holding tank with a capacity sufficient for injection. When applying measured volumes of ORC slurry to probe holes, it is sometimes useful to know the volumes and content of the delivery system lines. The following information may be useful in this regard.

Geoprobe Pump

At the end of a pump stroke virtually no deliverable slurry remains in the pump.

5/8" O.D. connecting hose (10 feet long):	0.2 gallons (26 fluid ounces)
Four foot (4') length of 1" drive rod:	.04 gallons (5 fluid ounces)
Three foot (3') length of 1 1/2" pre-probe:	.03 gallons (4 fluid ounces)

Cleaning and Maintenance

Pumping equipment and drive rods can be lightly cleaned by circulating clear water through them. Further cleaning and decontamination (if necessary due to subsurface conditions) should be performed according to the equipment supplier's standard procedures and local regulatory requirements.

B. Operating Characteristics

B1. Operations - General

Judgment will be needed in the field when injecting ORC slurries. In general, it is relatively easy to inject ORC slurries into sandy soils, and this can usually be accomplished at very moderate pressures. Silts and clays require more pressure, and may accept less slurry.

Careful observation of pressure during slurry pumping is the best indication of the effectiveness of the slurry injection. To test the soil's ability to accept the slurry and to "precondition" the injection point for the slurry, it is sometimes useful to inject a small volume of plain water prior to the slurry. Normally, one-half (0.5) gallons to two (2) gallons would be appropriate.

During injection, increasing pressure and decreasing flow rate are signs of refusal by the soil matrix to accept the slurry. The site geologist should determine whether to increase pressure, and possibly fracture ("frac") the soil matrix to achieve ORC slurry installation in a tight site that has refused the slurry at lower pressures.

B2. Fill Volumes

Probe hole back-filling

Probe Hole Capacities
Per 10' (Ten Foot) Length

	Theoretical (Gallons/Fluid Ounces/Cubic Inches) Sand, Silts & Clay		Operating Volume (Gallons/Fluid Ounces) Sand, Silts & Clay	
1" Diameter	.41 gal/52 fl. oz./94.2 cu. in.		.61 gal/78 fl. oz.	.51 gal/65 fl. oz.
1 1/2" Diameter	.92 gal/117 fl. oz./212.0 cu. in.		1.38 gal/176 fl. oz.	1.15 gal/146 fl. oz.
2" Diameter	1.63 gal/209 fl. oz./376.8 cu. in.		2.44 gal/313 fl. oz.	2.04 gal/261 fl. oz.
2 1/4" Diameter	2.06 gal/264 fl. oz./476.9 cu. in		3.09 gal/396 fl. oz.	2.57 gal/330 fl. oz.

Note that the operating volumes include a 50% excess above the theoretical volume in sands and 25% in clays and silts. This is important to successful treatment. The additional material allows for a small degree of infiltration of the slurry into the surrounding soil and fractures, as well as hole diameter variability. It is important to assure that the entire contaminated saturated zone is treated (including the capillary fringe), since this is often the area of highest pollution concentration. Failure to treat this area due to improper installation can undermine an otherwise successful remediation effort.

For direct assistance or answers to any questions you may have regarding these instructions, contact REGENESIS Technical Services at 949.366.8000.

Oxygen Release Compound (ORC®) Installation Instructions: Slurry Mixing

1. Open 5 gallon bucket and remove pre-measured bag of ORC®

2. Measure and pour water into the 5-gallon bucket according to the following desired consistency:

65% Solids Slurry	Mix .63 gallons of water per 10 pounds of ORC powder Example: Mix 20 pounds of ORC with 1.26 gallons of water Example: Mix 30 pounds of ORC with 1.89 gallons of water
60% Solids Slurry	Mix .79 gallons of water per 10 pounds of ORC powder Example: Mix 20 pounds of ORC with 1.58 gallons of water Example: Mix 30 pounds of ORC with 2.37 gallons of water
50% Solids Slurry	Mix 1.19 gallons of water per 10 pounds of ORC powder Example: Mix 20 pounds of ORC with 2.38 gallons of water Example: Mix 30 pounds of ORC with 3.57 gallons of water
25% Solids Slurry	Mix 3.57 gallons of water per 10 pounds of ORC powder Example: Mix 10 pounds of ORC with 3.57gallons of water

3. Add the appropriate ORC quantity to the water
   Check weight of each bucket (see label). The 5 gallon shipping bucket weighs 2 pounds. An additional 4 pounds of ORC would require one additional quart of water, at the 65% solids level.

4. Use an appropriate mixing device to thoroughly mix ORC and water
   A hand held drill with a "jiffy mixer" or a stucco mixer on it may be used in conjunction with a small paddle to scrape the bottom and sides of the container. Standard environmental slurry mixers may also be used, following the equipment instructions for operation. For small quantities a usable slurry can be mixed by hand, if care is taken to blend all lumps into the mixture thoroughly.

   CAUTION: ORC MAY SETTLE OUT OF SLURRY IF LEFT STANDING. ALSO, ORC EVENTUALLY HARDENS INTO A CEMENT-LIKE COMPOUND, AND CANNOT BE REMIXED AFTER THAT HAS HAPPENED. Mix immediately before using. Do not let stand more than 30 minutes, and re-mix immediately before use, to be sure the mixture has not settled out. If a mechanical slurry mixer attached to a pump is being used, the material may be cycled back through the mixer to maintain slurry suspension and consistency.

5. Check slurry consistency for pourability. Add water if necessary (in 1 cup increments) to achieve correct consistency.

For direct assistance or answers to any questions you may have regarding these instructions, contact REGENESIS Technical Services at 949.366.8000.

RegenOx® Technical Description

Close up of RegenOx

RegenOx is an advanced chemical oxidation technology that destroys contaminants through powerful, yet controlled chemical reactions. This product maximizes *in situ* chemical oxidation (ISCO) performance through use of a two-part product system; a sodium percarbonate oxidizer complex activated by a patented surface catalyst system. The technology degrades pollutants through direct oxidation, as well as through the generation of a suite of free radical compounds which in turn oxidize recalcitrant contaminants. RegenOX rapidly and effectively destroys a range of target contaminants including petroleum hydrocarbons and chlorinated compounds.

RegenOx is especially effective in destroying target contaminants present in high concentration source areas within the saturated and vadose zones. For petroleum hydrocarbon treatment, RegenOx produces oxygen as a result of its reactions, providing seamless transition from ISCO to enhanced aerobic bioremediation. RegenOx produces minimal heat when applied, and continues to destroy contaminants for up to 30 days on a single application. RegenOx is safe for use in direct contact with underground utilities, since it is non-corrosive to concrete and most metals.

$$C_2Cl_4 + 4/3\ Na_2CO_3 \bullet 2H_2O_2 + 4NaOH \rightarrow 2CO_2 + 4NaCl + 4H_2O + 4/3\ Na_2CO_3$$

- Free Radical Oxidation via production of:
  - Perhydroxyl Radical ($HO_2\bullet$)
  - Hydroxyl Radical ($OH\bullet$)
  - Superoxide Radical ($O_2^{-}\bullet$)

For a list of treatable contaminants with the use of RegenOx, view the Range of Treatable Contaminants Guide

Chemical Composition – Part A Oxidant

- Sodium Percarbonate – CAS #15630-89-4
- Sodium Carbonate Monohydrate - CAS #5968-11-6
- Silicic Acid – CAS #7699-11-6
- Silica Gel – CAS #63231

Chemical Composition – Part B Activator Complex

- Silicic Acid, Sodium Salt, Sodium Silicate - CAS#1344-09-08
- Silica Gel – CAS #63231
- Ferrous Sulfate – CAS #7720-78-7
- Water – CAS#7732-18-5

Properties

- Bulk Density – Part A 0.9-1.2 g/cm3; Part B – 1.39 g/cm3
- pH - 10-11 per recommended mixing ratios (3-5% oxidant in solution)
- Solubility – Oxidant - 14.5 g/100 g water; Activator – miscible in water
- Appearance – Brown to orange-brown when mixed with water
- Odor – Not detectable
- Vapor Pressure – None
- Non-hazardous

RegenOx® Technical Description

Storage and Handling Guidelines

Storage
Store in a cool, dry place out of heat/direct sunlight
Store at temperatures not to exceed 40°C/104°F
Store in original tightly closed container
Store in a well-ventilated place
Do not store near combustible materials
Store away from incompatible materials
Protect from contamination
Provide appropriate exhaust ventilation in places where dust is formed

Handling
Minimize dust generation and accumulation
Observe good industrial hygiene practices
Keep away from clothing and combustible materials
Take any precaution to avoid mixing with combustibles
Avoid contact with eyes
Do not taste or swallow
Do not eat, drink or smoke nearby
Wear appropriate personal protective equipment
Wash hands thoroughly after handling
Avoid release to the environment

Applications

RegenOx is applied using direct-injection techniques or wells. The application process enables the two- part product to be combined, then pressure-injected into the zone of contamination and moved out into the aquifer media. Application instructions for this product are contained in the RegenOx Application Instructions Guide.

Health and Safety

Material is relatively safe to handle; however, we recommend avoiding contact with eyes, skin and clothing. OSHA Level D personal protection equipment including vinyl or rubber gloves, eye protection and dust mask are recommended when handling this product. Please review the Material Safety Data Sheet for additional storage, packaging, usage, and handling requirements here: RegenOx Part A SDS and RegenOx Part B SDS.

REGENESIS

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673
949.366.8000

BIO-TRAP®

ADVANCED DIAGNOSTIC SAMPLERS

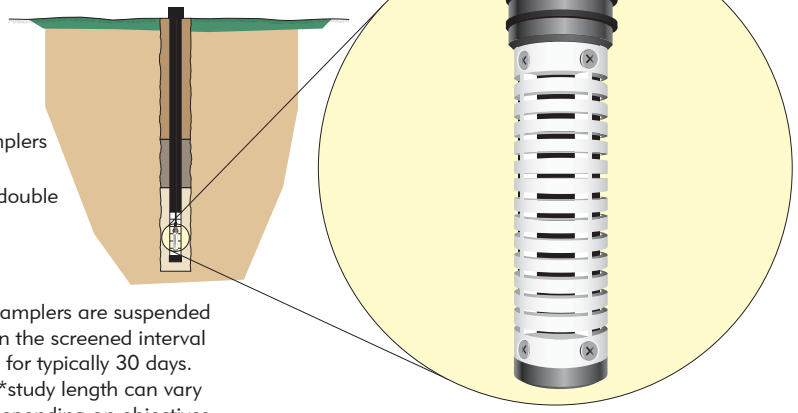
Catch Remediation in the Act… ***Trap It!***

What are Bio-Trap® Samplers?

Bio-Trap® Samplers are passive sampling tools that collect microbes over time for the purpose of better understanding biodegradation potential. The key to the Bio-Trap® approach is a unique sampling matrix, Bio-Sep® beads. The beads are 2–3 mm in diameter and are engineered from a composite of Nomex® and powdered activated carbon (PAC). When a Bio-Trap® Sampler is deployed in a monitoring well, the Bio-Sep® beads adsorb contaminants and nutrients present in the aquifer essentially becoming an *in situ* microcosm with an incredibly large surface area (~600 m^2/g) which is colonized by subsurface microorganisms. Once recovered from a monitoring well (30-60 days after deployment), DNA, RNA, or PLFA can be extracted from the beads for CENSUS® or PLFA assays to evaluate the microbial community.

A modern approach to microbial sampling

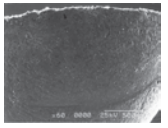
Bio-Trap samplers utilize a passive sampling approach allowing the results to be integrated over time rather than from a single sampling event



Multiple Bio-Trap samplers can be isolated from one another using a double seal cap assembly

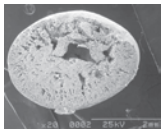
Samplers are suspended in the screened interval for typically 30 days. *study length can vary depending on objectives

Sampling Matrix: Bio-Sep® Beads



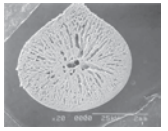
Exterior of Bio-Sep bead

A key to this sampling approach is the use of Bio-Sep® beads as the sampling matrix. The unique properties of these beads allow them to mimic environmental conditions very well.



Interior of Bio-Sep bead

Bio-Sep® beads provide a large surface area within the bead for microbial attachment. Most microbes prefer to be attached to a surface rather than be free floating.



Lactate amended Bio-Sep® bead

Fishin' for microbes! "Baited" Bio-Trap® samplers can be used to evaluate the microbial response to a wide range of amendments (electron donors and acceptors, etc.).

*see reverse for more details

Samplers can be analyzed using a wide variety of analyses including:

Molecular Biological Tools
- CENSUS® (qPCR)
- PLFA
- DGGE
- SIP

Chemical Analysis
Geochemical Parameters
And more!

microbialinsights

www.microbe.com

BIO-TRAP®

ADVANCED DIAGNOSTIC SAMPLERS

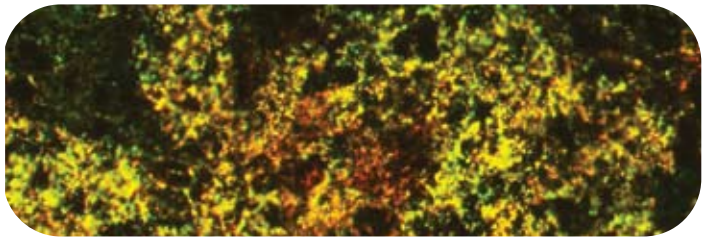
What types of samplers are available?

Bio-Trap samplers are available in a wide variety of configurations that can be tailored to answer your site-specific questions.

Standard: Basic Bio-Trap® Samplers in the simplest terms are a replacement for collecting groundwater samples using a conventional approach. Most microbes prefer to be attached to a surface rather than free floating and this passive sampler provides a large surface area for the microbes to colonize. Results generated using this approach have been shown to minimize the variability associated with traditional sampling approaches. Bio-Traps biofilms have also been shown to directly reflect spatial and temporal changes in aquifer microbial community structure plume which could not be determined from groundwater analysis. Standard Bio-Trap® Samplers are primarily used during site characterization and routine monitoring activities to:

- Quantify specific microbes or contaminant degrading bacteria (e.g. *Dehalococcoides*)
- Evaluate monitored natural attenuation (MNA)
- Compare microbial populations from different sampling points
- Monitor shifts within microbial communities following biostimulation

Standard Bio-Trap® Samplers are designed for microbial analyses using a variety of molecular biological tools but can also be configured for some chemical and geochemical analyses.



microbialinsights

www.microbe.com

10515 Research Drive
Knoxville, TN 37932
Phone: 865.573.8188

Baited: As the name suggests, Bio-Trap® Samplers can be "baited" with various amendments or compounds to answer site-specific questions. In the past, project managers have been forced to turn to laboratory microcosms or small-scale pilot studies to evaluate bioremediation as a treatment alternative. While microcosm experiments with native site materials can show biodegradation in the laboratory, duplication of *in-situ* conditions is difficult and the results may not extrapolate to the field. Pilot studies are performed on site but are often prohibitively expensive as an investigative tool. Baited Bio-Trap® Samplers are designed to create discrete in situ microcosms that can be used to:

- Evaluate monitored natural attenuation versus enhanced bioremediation
- Compare effectiveness of different amendments (e.g. HRC®, EOS®, sodium lactate, molasses, etc.) designed to stimulate bioremediation
- Prove that biodegradation is occurring (^{13}C-labeled compounds - Stable Isotope Probing)
- Estimate relative rates of degradation for a specific contaminant (i.e. MTBE, TBA etc.)
- Address specific questions such as:
  - Is benzene being degraded at my site?
  - Will sulfate amendments stimulate bioremediation?
  - Will sodium lactate increase the concentration of known dechlorinating bacteria?

Baited Bio-Trap® Samplers can be amended with a number of compounds including:

- Sodium acetate
- Sodium lactate
- Potassium lactate
- HRC®
- Molasses
- Vegetable oil
- EOS®
- Sodium phosphate
- Sulfate
- Nitrate
- Ammonium chloride
- Elemental sulfur
- Calcium carbonate
- Iron (III)
- ^{13}C-labeled contaminants
  - Benzene
  - Toluene
  - Xylene
  - MTBE
  - TBA
  - Chlorobenzene
  - TCE
  - DCE
  - VC
- Fluorinated surrogates for tracing chlorinated compounds
  - TCE
  - DCE
- And more!

APPENDIX E
FIELD FORMS

INJECTION FORM
MOBERG'S GARAGE AND FORMER TEXACO STATION, WATROUS, NM

Date and Time:	6350901
EA Personnel:	
Subcontractor Personnel and Equipment:	
Project Engineer: Vener Mustafin	505-296-1070; vmustafin@eaest.com
Project Manager: Mike McVey	505-235-9037; mmcvey@eaest.com

Batch Mix Recipe

Mass of ORC-A, lbs						
Mass of Regenox Part-A, lbs						
Volume of Water, gal						

Injection

Borehole ID	Time	Interval, ft bgs	Pressure, psi	Flowrate, gpm	Slurry Volume, gal	Notes

Notes:

EA Engineering, Science, and Technology
320 Gold Avenue SW, Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013

MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID _____ Date gauged _____

Site _____ Time gauged _____

Depth to PSH _____ Feet Well diameter _____ Inches

Depth to water _____ Feet Height of fluid column _____ Feet

Total depth _____ Feet Volume in well _____ Gallons

NAPL thickness _____ Feet

(3 well volumes = _____ gallons)

After Bailing NAPL

Depth to PSH _____ Feet

Depth to water _____ Feet

NAPL thickness _____ Feet

NAPL Recovered _____ Gallons

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (˚C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)

Actual purge volume _____ gal. Field measurements stabilized within ± 10%? _____

Time/date sampled _____ Purged/sampled by _____

Sample method _____

Requested analyses _____

Comments/observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 6" diameter = 1.50 gal/ft

APPENDIX F
HEALTH AND SAFETY PLAN

Site Name: Moberg's Garage/Texaco Station	**Site Contact:** NMED PSTB	**Telephone:** N/A
Location: Watrous, NM	**Client Contact:** Susan von Gonten	**Telephone:** 505-476-4389 (office)
EPA I.D. No.: N/A	**Prepared By:** Vener Mustafin	**Date:** March 11, 2020
Project No. 6350901.02/6350902.02	**Date of Proposed Activities:** 2020-2021	

Objectives:

All personnel working on this site are trained in accordance with 29 CFR 1910.120 and are currently active in a medical monitoring program to perform work on a hazardous waste site. The objective of this health and safety plan (HSP) is to list the site-specific hazards and the hazards controls to be used to ensure worker safety for the following activities:

- Groundwater Sampling

Site Type: *Check as many as applicable.*

- ☐ Active
- ☒ Inactive
- ☐ Secure
- ☐ Unsecure
- ☐ Industrial Waste
- ☐ Landfill
- ☐ Confined space **(must use long form)**
- ☐ Uncontrolled Waste **(must use long form)**
- ☐ Well field
- ☒ Underground storage tank
- ☐ Unknown **(must use long form)**
- ☐ Other *(Active Business)*

Site Description/History and Site Activities:

- The Moberg's Garage and Texaco Station State Lead Sites are located on the west side of New Mexico Highway 161 (NM 161) in Watrous, New Mexico. The Gallegos residence and Concord Street are located between the two sites, which are approximately 200 feet apart. Moberg's Garage remains an active automobile repair facility and the former Texaco Station is now the Moberg residence. Adjacent properties are primarily residential to the north, west, and south; Burlington Northern Santa Fe (BNSF) railroad right-of-way (ROW) abuts NM 161 to the east. The Watrous Mutual Domestic Water Consumers' Association (MDWCA) North Supply Well is located approximately 500 feet east of the Moberg's Garage Site at the base of the sandstone bluff. The MDWCA south supply well is located approximately 1,200 feet to the southwest. Site activities include injection of Regenesis ORC-A® and baseline groundwater monitoring.

Note: A site map, definitions, and additional information about this form are provided on the last three pages of this form.

Waste Management Practices:

Spills and surfacing will be contained and cleaned.
Purge groundwater will be discharge onto surface.

Waste Types:	☒ Liquid	☒ Solid	☒ Slurry	☐ Gas
Waste / Chemical Characteristics:	☐ Corrosive	☒ Oxidizer	☒ Flammable	
☒ Toxic	☐ Explosive	☒ Volatile	☐ Radioactive	
☐ Reactive	☐ Inert		☐ Other *(specify)* _____	

Chemical / Health Hazards of Concern:

- ☐ Explosion or fire hazard – monitor with combustible gas meter
- ☐ Oxygen deficiency – monitor with oxygen meter
- ☐ Landfill gases – monitor with methane and hydrogen sulfide meter
- ☐ Surface tanks
- ☐ Potential inhalation or skin absorption hazard that is immediately dangerous to life and health (IDLH) – **must use long form**
- ☐ Inorganic chemicals (nitrate and chloride)
- ☐ Organic chemicals (PCP)
- ☒ Petroleum Hydrocarbons (as TPH DRO)
- ☐ Underground storage tanks
- ☒ Other *(specify) Regenesis ORC-A®*

Explosion or Fire Potential: ☐ High ☐ Medium ☒ Low ☐ Unknown

Radiological Hazards of Concern:

- ☐ Ionizing radiation (Radioactive materials, X-ray) **(must use long form)**
- ☐ Non-ionizing radiation (ultraviolet, lasers)

Safety Hazards of Concern: (Based on anticipated clean-up operations)

- ☒ Heavy Equipment
- ☒ Pinch points
- ☒ Energized and rotating equipment (drill rig)
- ☒ Steam cleaning equipment
- ☐ Excavations
- ☐ Welding or torch cutting (Hot work)
- ☐ Sharp Objects
- ☒ Hazardous energy sources (electrical, hydraulic)
- ☒ Vehicle Traffic (traffic control)
- ☒ Buried utilities
- ☒ Overhead utilities
- ☐ Suspended loads
- ☐ Buried drums
- ☐ Work over or near water
- ☐ Work from elevated platforms
- ☒ Manual Lifting

Physical Hazards of Concern:

- ☒ Heat stress
- ☒ Cold stress
- ☒ Slips, trips, falls
- ☐ Illumination
- ☒ Vibration
- ☒ Noise
- ☒ Solar (sunburn)
- ☐ Unstable or steep terrain
- ☐ Other *(specify)*

Biological Hazards of Concern:

- ☒ Poisonous plants (poison ivy, poison oak)
- ☒ Spiders (black widow or brown recluse spiders)
- ☐ Medical waste
- ☒ Snakes (rattlesnakes)
- ☒ Stinging insects (bees, wasps)
- ☒ Animals (feral dogs, mountain lions, etc.)
- ☐ Blood or other body fluids

Unexploded Ordnance:

- ☐ Chemical Warfare Materials (CWM) **(must use long form)**
- ☐ Chemical Warfare Materials (CWM) **(must use long form)**
- ☐ Unexploded Ordnance (UXO) **(must use long form)**
- ☐ Explosive ordnance waste (OEW) **(must use long form)**

Chemical Products EA Engineering Will Use or Store On Site: (Attach a Material Safety Data Sheet [MSDS] for each item.)

☒ Alconox® or Liquinox®

☒ Hydrochloric acid (HCl)

☐ Nitric Acid (HNO_3)

☐ Sodium hydroxide (NaOH)

☐ Sulfuric Acid (H_2SO_4)

☒ Other *(specify)* Mercuric Chloride

☒ Other *(specify)* Regenesis ORC-A®

☒ Other *(specify)* Regenox Part-A®_____

☐ Other *(specify)* _____

☐ Other *(specify)* _____

☐ Other *(specify)* _____

Chemicals Present at Site	Highest Observed Concentration (µg/L, groundwater)	PEL/TLV (specify ppm or mg/m^3)	IDLH Level (specify ppm or mg/m^3)	Symptoms and Effects of Acute Exposure	Photo-ionization Potential (eV)
Benzene	26,000	1 ppm (PEL)	500 ppm CARC	Severe irritant (skin, eye); reproductive toxin; CNS narcotic	9.24
Toluene	46,000	100 ppm	500 ppm	Severe irritant (skin, eye); reproductive toxin; CNS narcotic; fatigue, weakness, dizziness; headache	8.82
Ethylbenzene	11,000	100 ppm	800 ppm	Severe irritant (skin, eye, mucous membranes); headache; narcosis	8.76
Xylenes (o, m, and p)	31,000	100 ppm	900 ppm	Irritant (skin, eye, throat); reproductive toxin, CNS narcotic	8.44 – 8.56
Diesel Fuel	Unknown	NA	NA	Irritant (respiratory tract); possible carcinogen; possible mutagen	NA
Gasoline	Unknown	300 ppm	CARC	Irritant (skin, eye, mucous membrane); CNS narcotic	NA

Notes: NIOSH Pocket Guide to Chemical Hazards, September 2005

CARC = Carcinogenic
eV = Electron volt
GW = Ground water
IDLH = Immediately dangerous to life or health
mg/L = Milligram per liter
mg/m^3 = Milligram per cubic meter
NA = Not available
PEL = Permissible exposure limit
ppm = Part per million
TLV = Threshold limit value

Field Activities Covered Under This Plan:

Task Description	Type	Level of Protection: Primary	Level of Protection: Contingency	Date of Activities
1. Injection of ORC-A®	☒ Intrusive ☐ Nonintrusive	☐ C ☒ D	☐ C ☐ D	2020
2. Groundwater monitoring	☐ Intrusive ☒ Nonintrusive	☐ C ☒ D	☐ C ☐ D	2020-2021

Site Personnel and Responsibilities (include subcontractors):

Employee Name and Office Code	Task	Responsibilities
Mike McVey	1	Project Manager or Designated Leader: Directs project activities, makes site safety coordinator (SSC) aware of pertinent project developments and plans, and maintains communications with client as necessary.
To be determined	1	Site Safety Coordinator (SSC): Ensures that appropriate personal protective equipment (PPE) is available, enforces proper utilization of PPE by on-site personnel, suspends investigative work if he or she believes that site personnel are or may be exposed to an immediate health hazard, implements the health and safety plan, and reports any observed deviations from anticipated conditions described in the health and safety plan to the health and safety representative.
To be determined	1	Field Personnel: Complete tasks as directed by the program manager, field team leader, and SSC and follow all procedures and guidelines established in the EA Engineering Health and Safety Manual.

Protective Equipment: (Indicate type or material as necessary for each task; attach additional sheets as necessary)

Task: ☒ 1 ☒ 2
Level: ☐ C ☒ D
☒ Primary ☐ Contingency

RESPIRATORY
☒ Not needed
☐ APR: _____
☐ Cartridge: _____
☐ Escape mask: _____
☐ Other: _____

PROTECTIVE CLOTHING
☒ Not needed
☐ Tyvek® coveralls: _____
☐ Saranex® coveralls: _____
☐ Coveralls: _____
☐ Other: _____

HEAD AND EYE
☐ Not needed
☒ Safety glasses: _____
☐ Face shield: _____
☐ Goggles: _____
☒ Hard hat: For Task 1
☐ Other: _____

GLOVES
☐ Not needed
☐ Undergloves: _____
☒ Gloves: Nitrile
☒ Overgloves: For Task 1

FIRST AID EQUIPMENT
☐ Not needed
☒ Standard First Aid kit
☒ Portable eyewash

BOOTS
☐ Not needed
☒ Work boots: Steel Toed
☐ Overboots: _____

OTHER
☐ (specify): _____

Note: APR = Air purifying respirator

Monitoring Equipment: (Specify instruments needed for each task; attach additional sheets as necessary)				
Instrument	Task	Instrument Reading	Action Guideline	Comments
Combustible gas indicator model:	☐ 1	0 to 10% LEL	No explosion hazard	☒ Not needed
		10 to 25% LEL	Potential explosion hazard; notify SSC	
		> 25% LEL	Explosion hazard; interrupt task; evacuate site, notify SSC	
O2 meter model:	☐ 1	> 23.5% O2	Potential fire hazard; evacuate site	☒ Not needed
		23.5 to 19.5% O2	Oxygen level normal	
		< 19.5% O2	Oxygen deficiency; interrupt task; evacuate site; notify SSC	
Photoionization detector model: ☐ 11.7 eV ☐ 10.6 eV ☐ 9.8 eV ☐ ____eV	☐ 1	>0 to 5 ppm above background	Level D	☒ Not needed
		>5 to 50 ppm above background	Level C	
		>50 ppm above background	Evacuate site; notify SSC	
Flame ionization detector model:	☐ 1	>0 to 5 ppm above background	Level D	☒ Not needed
		>5 to 50 ppm above background	Level C	
		>50 ppm above background	Evacuate site; notify SSC	
Detector tubes models:	☐ 1	Specify:	Specify:	Note: This action level for upgrading the level of protection is one-half of the contaminant's PEL. If the PEL is reached, evacuate the site and notify the SSC. ☒ Not needed
Respirable dust monitor model:	☐ 1	Specify:	Specify:	☒ Not needed
Other: (specify):	☐ 1	Specify:	Specify:	☒ Not needed

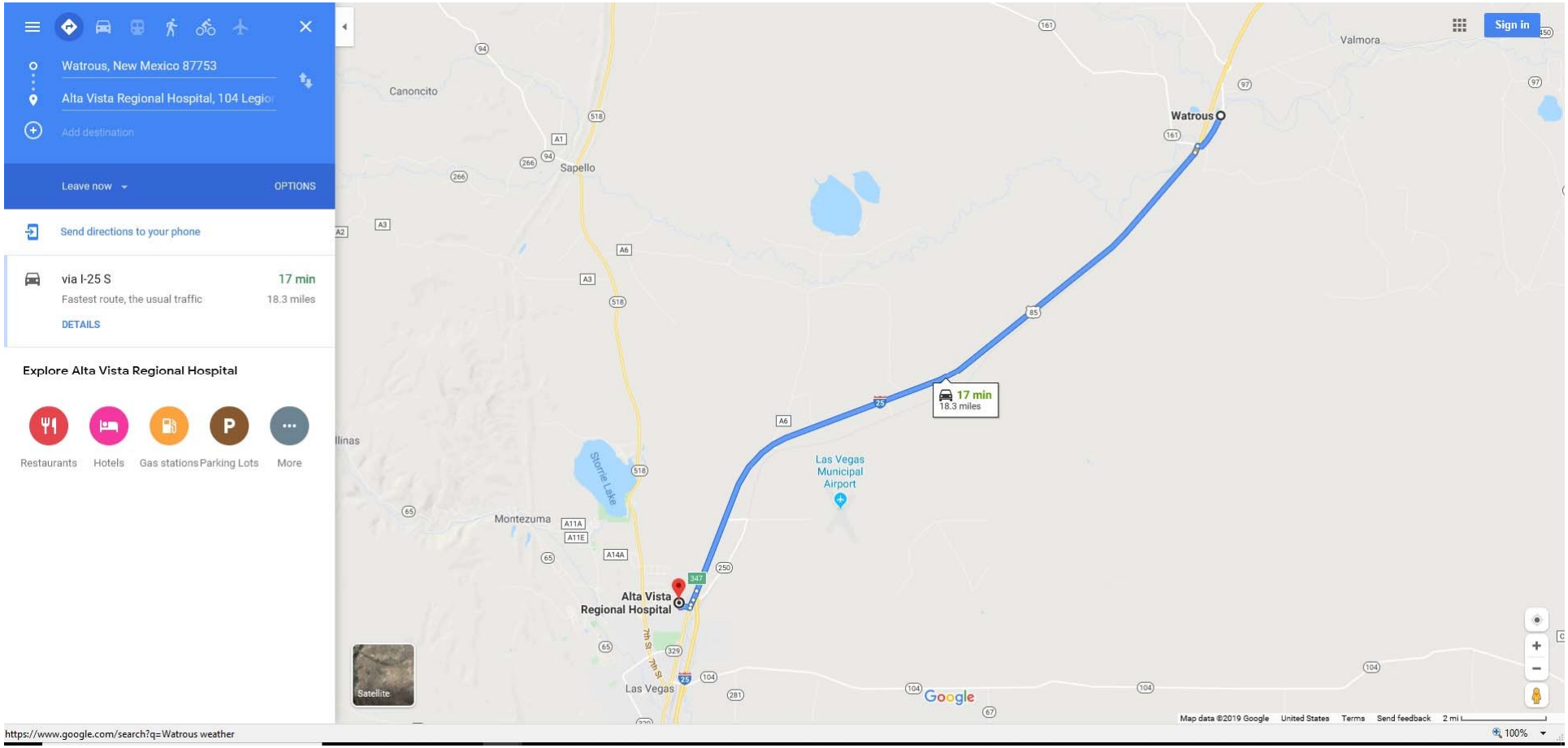
Notes: eV = Electron volt PEL = Permissible exposure limit LEL = Lower explosive limit ppm = Part per million O_2 = Oxygen

Site Map (if available):

Additional Comments:	**Emergency Contacts:**	**Telephone**
EA Engineering site workers will contain and absorb any chemicals used or transferred on site.	U.S. Coast Guard National Response Center	800/424-8802
	InfoTrac	800/535-5053
	Fire department	911
	Police department	911
	EA Engineering Personnel:	
	Corporate Human Resource Manager: Michele Bailey	410/584-7000
	Corporate Health & Safety Manager: Pete Garger	410/790-6338
	Office Health & Safety Coordinator: Teri McMillan	505/259-6779
	Program Manager: Mike McVey	505/235-9037
	Site Safety Coordinator: EA Personnel	

Personnel Decontamination and Disposal Method:	**Medical Emergency:**	
Personnel will follow the U.S. Environmental Protection Agency's "Standard Operating Safety Guides" for decontamination procedures for Level D personal protection. The following decontamination stations should be set up in each decontamination zone: • All equipment will be decontaminated in a designated area All disposable equipment and gloves will be double-bagged or containerized in an acceptable manner and disposed of in accordance with local regulations.	Hospital Name:	Alta Vista Regional Hospital
	Hospital Address:	104 Legion Dr Las Vegas, NM 87701
	Hospital Telephone:	Emergency – 911 General – (505) 426-3500
	Ambulance Telephone:	911

Hospital Route Map (if available):



Note: This page must be posted on site.

APPROVAL AND SIGN-OFF FORM

Project No. _6350901/6350902

I have read, understood, and agree with the information set forth in this Health and Safety Plan and will follow the direction of the Site Safety Coordinator as well as procedures and guidelines established in the EA Engineering Health and Safety Manual. I understand the training and medical requirements for conducting field work and have met these requirements.

Name	Signature	Date
Name	Signature	Date
Name	Signature	Date
Name	Signature	Date

APPROVALS: (Two Signatures Required)

Site Safety Coordinator	Date
Health and Safety Coordinator	Date

DEFINITIONS

Intrusive - Work involving excavation to any depth, drilling, opening of monitoring wells, most sampling, and Geoprobe® work

Nonintrusive - Generally refers to site walk-throughs or field reconnaissance

Levels of Protection

Level D - Hard hat, safety boots, and glasses, may include protective clothing such as gloves, boot covers, and Tyvek® or Saranex® coveralls

Level C - Hard hat, safety boots, glasses, and air purifying respirators with appropriate cartridges, **PLUS** protective clothing such as gloves, boot covers, and Tyvek® or Saranex® coveralls

Emergency Contacts

InfoTrac - For issues related to incidents involving the transportation of hazardous chemicals; this hotline provides accident assistance 24 hours per day, 7 days per week

U.S. Coast Guard National Response Center - For issues related to spill containment, cleanup, and damage assessment; this hotline will direct spill information to the appropriate state or region

Health and Safety Plan Short Form

- Used for field projects of limited duration and with relatively limited activities; may be filled in with handwritten text
- Limitations:
  - No Level B or A work
  - Limited number of tasks
  - No confined space entry
  - No unexploded ordnance work or radiation hazard

Oxygen Release Compound – Advanced Pellets (ORC Advanced® Pellets)
MATERIAL SAFETY DATA SHEET (MSDS)

Last Revised: March 22, 2012

Section 1 - Material Identification

Supplier:

1011 Calle Sombra
San Clemente, CA 92673

Phone:	**949.366.8000**
Fax:	**949.366.8090**
E-mail:	**info@regenesis.com**

Chemical Description:	A mixture of Calcium Hydroxide Oxide [$CaO(OH)_2$] and Calcium Hydroxide [$Ca(OH)_2$].
Chemical Family:	Inorganic Chemical
Trade Name:	Advanced Formula Oxygen Release Compound (ORC Advanced® Pellets)
Chemical Synonyms	Calcium OxyHydroxide; Calcium Oxide Peroxide
Product Use:	Used to remediate contaminated soil and groundwater (environmental applications)

Section 2 – Composition

CAS No.	Chemical
682334-66-3	**Calcium Hydroxide Oxide [$CaO(OH)_2$]**
1305-62-0	**Calcium Hydroxide [$Ca(OH)_2$]**
7758-11-4	**Dipotassium Phosphate (HK_2O_4P)**
7783-28-0	**Ammonium Phosphate Dibasic [$(NH_4)_2HPO_4$]**

Section 3 – Physical Data

Form:	tablets
Color:	White to Pale Yellow
Odor:	Odorless
Melting Point:	527 °F (275 °C) – Decomposes
Boiling Point:	Not Applicable (NA)
Flammability/Flash Point:	NA
Auto-Flammability:	NA
Vapor Pressure:	NA
Self-Ignition Temperature:	NA
Thermal Decomposition:	527 °F (275 °C) – Decomposes
Bulk Density:	0.5 – 0.65 g/ml (Loose Method)
Solubility:	1.65 g/L @ 68° F (20° C) for calcium hydroxide.
Viscosity:	NA
pH:	11-13 (saturated solution)
Explosion Limits % by Volume:	Non-explosive
Hazardous Decomposition Products:	Oxygen, Hydrogen Peroxide, Steam, and Heat
Hazardous Reactions:	None

Section 4 – Reactivity Data

Stability:	Stable under certain conditions (see below).
Conditions to Avoid:	Heat and moisture.
Incompatibility:	Acids, bases, salts of heavy metals, reducing agents, and flammable substances.
Hazardous Polymerization:	Does not occur.

Section 5 – Regulations

TSCA Inventory List:	Listed

CERCLA Hazardous Substance (40 CFR Part 302)

Listed Substance:	No
Unlisted Substance:	Yes
Reportable Quantity (RQ):	100 pounds
Characteristic(s):	Ignitibility
RCRA Waste Number:	D001

SARA, Title III, Sections 302/303 (40 CFR Part 355 – Emergency Planning and Notification)

Extremely Hazardous Substance:	No

SARA, Title III, Sections 311/312 (40 CFR Part 370 – Hazardous Chemical Reporting: Community Right-To-Know

Hazard Category:	Immediate Health Hazard Fire Hazard

Threshold Planning Quantity:	10,000 pounds

Section 5 – Regulations (cont)

SARA, Title III, Section 313 (40 CFR Part 372 – Toxic Chemical Release Reporting: Community Right-To-Know

Extremely Hazardous Substance:	No	
WHMIS Classification:	C	Oxidizing Material Poisonous and Infectious Material
	D	Material Causing Other Toxic Effects – Eye and Skin Irritant
Canadian Domestic Substance List:	Not Listed	

Section 6 – Protective Measures, Storage and Handling

Technical Protective Measures

Storage:	Keep in tightly closed container. Store in dry area, protected from heat sources and direct sunlight.
Handling:	Clean and dry processing pipes and equipment before operation. Never return unused product to the storage container. Keep away from incompatible products. Containers and equipment used to handle this product should be used exclusively for this material. Avoid contact with water or humidity.

Section 6 – Protective Measures, Storage and Handling (cont)

Personal Protective Equipment (PPE)

Engineering Controls:	Calcium Hydroxide ACGIH® TLV® (2000) 5 mg/m^3 TWA OSHA PEL Total dust–15 mg/m^3 TWA Respirable fraction– 5 mg/m^3 TWA NIOSH REL (1994) 5 mg/m^3
Respiratory Protection:	For many conditions, no respiratory protection may be needed; however, in dusty or unknown atmospheres use a NIOSH approved dust respirator.
Hand Protection:	Impervious protective gloves made of nitrile, natural rubbber or neoprene.
Eye Protection:	Use chemical safety goggles (dust proof).
Skin Protection:	For brief contact, few precautions other than clean clothing are needed. Full body clothing impervious to this material should be used during prolonged exposure.
Other:	Safety shower and eyewash stations should be present. Consultation with an industrial hygienist or safety manager for the selection of PPE suitable for working conditions is suggested.
Industrial Hygiene:	Avoid contact with skin and eyes.
Protection Against Fire & Explosion:	NA

Section 7 – Hazards Identification

Emergency Overview:	Oxidizer – Contact with combustibles may cause a fire. This material decomposes and releases oxygen in a fire. The additional oxygen may intensify the fire.

Potential Health Effects:	Irritating to the mucous membrane and eyes. If the product splashes in ones face and eyes, treat the eyes first. Do not dry soiled clothing close to an open flame or heat source. Any clothing that has been contaminated with this product should be submerged in water prior to drying.
Inhalation:	High concentrations may cause slight nose and throat irritation with a cough. There is risk of sore throat and nose bleeds if one is exposed to this material for an extended period of time.
Eye Contact:	Severe eye irritation with watering and redness. There is also the risk of serious and/or permanent eye lesions.
Skin Contact:	Irritation may occur if one is exposed to this material for extended periods.
Ingestion:	Irritation of the mouth and throat with nausea and vomiting.

Section 8 – Measures in Case of Accidents and Fire

After Spillage/Leakage/Gas Leakage:	Collect in suitable containers. Wash remainder with copious quantities of water.
Extinguishing Media:	See next.
Suitable:	Large quantities of water or water spray. In case of fire in close proximity, all means of extinguishing are acceptable.
Further Information:	Self contained breathing apparatus or approved gas mask should be worn due to small particle size. Use extinguishing media appropriate for surrounding fire. Apply cooling water to sides of transport or storage vessels that are exposed to flames until the fire is extinguished. Do not approach hot vessels that contain this product.
First Aid:	After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. Consult an opthalmologist in all cases.

Section 8 – Measures in Case of Accidents and Fire

Eye Contact:	Flush eyes with running water for 15 minutes, while keeping the eyelids wide open. Consult with an ophthalmologist in all cases.
Inhalation:	Remove subject from dusty environment. Consult with a physician in case of respiratory symptoms.
Ingestion:	If the victim is conscious, rinse mouth and admnister fresh water. DO NOT induce vomiting. Consult a physician in all cases.
Skin Contact:	Wash affected skin with running water. Remove and clean clothing. Consult with a physician in case of persistent pain or redness.
Special Precautions:	Evacuate all non-essential personnel. Intervention should only be done by capable personnel that are trained and aware of the hazards associated with this product. When it is safe, unaffected product should be moved to safe area.
Specific Hazards:	Oxidizing substance. Oxygen released on exothermic decomposition may support combustion. Confined spaces and/or containers may be subject to increased pressure. If product comes into contact with flammables, fire or explosion may occur.

Section 9 – Accidental Release Measures

Precautions:	Observe the protection methods cited in Section 3. Avoid materials and products that are incompatible with product. Immediately notify the appropriate authorities in case of reportable discharge (> 100 lbs).
Cleanup Methods:	Collect the product with a suitable means of avoiding dust formation. All receiving equipment should be clean, vented, dry, labeled and made of material that this product is compatible with. Because of the contamination risk, the collected material should be kept in a safe isolated place. Use large quantities of water to clean the impacted area. See Section 12 for disposal methods.

Section 10 – Information on Toxicology

Toxicity Data

Acute Toxicity:	Oral Route, LD_{50}, rat, > 2,000 mg/kg (powder 50%) Dermal Route, LD_{50}, rat, > 2,000 mg/kg (powder 50%) Inhalation, LD_{50}, rat, > 5,000 mg/m^3 (powder 35%)
Irritation:	Rabbit (eyes), severe irritant
Sensitization:	No data
Chronic Toxicity:	In vitro, no mutagenic effect (Powder 50%)
Target Organ Effects:	Eyes and respiratory passages.

Section 11 – Information on Ecology

Ecology Data

Acute Exotoxicity:	10 mg $Ca(OH)_2$/L: pH = 9.0 100 mg $Ca(OH)_2$/L: pH = 10.6 Fishes, Cyprinus carpio, LC_{50}, 48 hrs, 160 mg/L Crustaceans, Daphnia sp., EC_{50}, 24 hours, 25.6 mg/L (Powder 16%)
Mobility:	Low Solubility and Mobility
Abiotic Degradation:	Water – Slow Hydrolysis. Degradation Products: Calcium Hydroxide Water/soil – complexation/precipitation. Carbonates/sulfates present at environmental concentrations. Degradation products: carbonates/sulfates sparingly soluble
Biotic Degradation:	NA (inorganic compound)
Potential for Bioaccumulation:	NA (ionizable inorganic compound)

Section 11 – Information on Ecology (cont)

Comments:	Observed effects are related to alkaline properties of the product. Hazard for the environment is limited due to the product properties of: • No bioaccumulation • Weak solubility and precipitation as carbonate or sulfate in an aquatic environment. Diluted product is rapidly neutralized at environmental pH.
Further Information:	NA

Section 12 – Disposal Considerations

Waste Disposal Method:	Consult current federal, state and local regulations regarding the proper disposal of this material and its emptied containers.

Section 13 – Shipping/Transport Information

D.O.T Shipping Name:	Oxidizing Solid, N.O.S [A mixture of Calcium Hydroxide Oxide [$CaO(OH)_2$] and Calcium Hydroxide [$Ca(OH)_2$].
UN Number:	1479
Hazard Class:	5.1
Label(s):	5.1 (Oxidizer)
Packaging Group:	II
STCC Number:	4918717

Section 14 – Other Information

HMIS® Rating	Health – 2 Flammability – 0	Reactivity – 1 PPE - Required

HMIS® is a registered trademark of the National Painting and Coating Association.

NFPA® Rating	Health – 2 Flammability – 0	Reactivity – 1 OX

NFPA® is a registered trademark of the National Fire Protection Association.

Reason for Issue:	Update toxicological and ecological data

Section 15 – Further Information

The information contained in this document is the best available to the supplier at the time of writing, but is provided without warranty of any kind. Some possible hazards have been determined by analogy to similar classes of material. The items in this document are subject to change and clarification as more information become available.

ORC Advanced® Pellets Technical Specification

ORC Advanced Pellets are a dust-minimizing, dry application, pelletized form of the widely-used ORC Advanced controlled-release oxygen compound.

They are designed specifically for the treatment of dissolved-phase petroleum hydrocarbons through direct application into excavations, petroleum storage tank pits, trenches and backfill.

Oxygen is released from ORC Advanced for a period of 9 to 12 months *in situ*.

Example of ORC Advanced Pellets

$$CaO(OH)_2 + H_2O \rightarrow \tfrac{1}{2}O_2 + Ca(OH)_2 + H_2O$$

ORC Advanced is a formulation of calcium oxyhydroxide which, upon hydration, releases oxygen and forms simple calcium hydroxide and water.

For a list of treatable contaminants with the use of ORC Advanced, view the Range of Treatable Contaminants Guide.

Chemical Composition

- Calcium Oxyhydroxide
- Calcium Hydroxide
- Monopotassium Phosphate
- Ammonium Phosphate Dibasic

Properties

- Pellet size: 3-10 mm
- Contains micro-nutrients such as nitrogen, phosphorous, and potassium (N,P,K) which can be beneficial to aerobic biodegradation processes

OXYGEN RELEASE COMPOUND

ORC Advanced® Pellets Technical Specification

Storage and Handling Guidelines

Storage
Store in a cool, dry place out of direct sunlight
Store in original tightly closed container
Store in a well-ventilated place
Do not store near combustible materials
Store away from incompatible materials
Provide appropriate exhaust ventilation in places where dust is formed

Handling
Minimize dust generation and accumulation
Keep away from heat
Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces
Observe good industrial hygiene practices
Take precaution to avoid mixing with combustibles
Keep away from clothing and other combustible materials
Avoid contact with water and moisture
Avoid contact with eyes, skin, and clothing
Avoid prolonged exposure
Wear appropriate personal protective equipment

Applications

- *In situ* or *ex situ* out of the bag
- Direct application into open excavations, petroleum storage tank pits and trenches
- Direct application to contaminated backfill or contaminated soils
- *Ex situ* biopile applications (requires a source of hydration)

Health and Safety

Wash thoroughly after handling. Wear protective gloves, eye protection, and face protection.
Please review the Material Safety Data Sheet for additional storage, usage, and handling requirements here: ORC Advanced SDS.

REGENESIS

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673
949.366.8000

OXYGEN RELEASE COMPOUND

ORC Advanced® Technical Description

ORC Advanced® is an engineered, oxygen release compound designed specifically for enhanced, *in situ* aerobic bioremediation of petroleum hydrocarbons in groundwater and saturated soils. Upon contact with groundwater, this calcium oxyhydroxide-based material becomes hydrated producing a controlled release of molecular oxygen (17% by weight) for periods of up to 12 months on a single application.

Example of ORC Advanced

ORC Advanced decreases time to site closure and accelerates degradation rates up to 100 times faster than natural degradation rates. A single ORC Advanced application can support aerobic biodegradation for up to 12 months with minimal site disturbance, no permanent or emplaced above ground equipment, piping, tanks, power sources, etc are needed. There is no operation or maintenance required. ORC Advanced provides lower costs, greater efficiency and reliability compared to engineered mechanical systems, oxygen emitters and bubblers.

ORC Advanced provides remediation practitioners with a significantly faster and highly effective means of treating petroleum contaminated sites. Petroleum hydrocarbon contamination is often associated with retail petroleum service stations resulting from leaking underground storage tanks, piping and dispensers. As a result, ORC Advanced technology and applications have been tailored around the remediation needs of the retail petroleum industry and include: tank pit excavations, amending and mixing with backfill, direct-injection, bore-hole backfill, ORC Advanced Pellets for waterless and dustless application, combined ISCO and bioremediation applications, etc.

For a list of treatable contaminants with the use of ORC Advanced, view the Range of Treatable Contaminants Guide

Chemical Composition

- Calcium hydroxide oxide
- Calcium hydroxide
- Monopotassium phosphate
- Dipotassium phosphate

Properties

- Physical state: Solid
- Form: Powder
- Odor: Odorless
- Color: White to pale yellow
- pH: 12.5 (3% suspension/water)

OXYGEN RELEASE COMPOUND

ORC Advanced® Technical Description

Storage and Handling Guidelines

Storage
Store in a cool, dry place out of direct sunlight
Store in original tightly closed container
Store in a well-ventilated place
Do not store near combustible materials
Store away from incompatible materials
Provide appropriate exhaust ventilation in places where dust is formed

Handling
Minimize dust generation and accumulation
Keep away from heat
Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces
Observe good industrial hygiene practices
Take precaution to avoid mixing with combustibles
Keep away from clothing and other combustible materials
Avoid contact with water and moisture
Avoid contact with eyes, skin, and clothing
Avoid prolonged exposure
Wear appropriate personal protective equipment

Applications

- Slurry mixture direct-push injection through hollow rods or direct-placement into boreholes
- *In situ* or *ex situ* slurry mixture into contaminated backfill or contaminated soils in general
- Slurry mixture injections in conjunction with chemical oxidants like RegenOx or PersulfOx
- Filter sock applications in groundwater for highly localized treatment
- *Ex situ* biopiles

Health and Safety

Wash thoroughly after handling. Wear protective gloves, eye protection, and face protection. Please review the ORC Advanced Safety Data Sheet for additional storage, usage, and handling requirements.

REGENESIS®

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1011 Calle Sombra, San Clemente CA 92673
949.366.8000

RegenOx® Technical Description

Close up of RegenOx

RegenOx is an advanced chemical oxidation technology that destroys contaminants through powerful, yet controlled chemical reactions. This product maximizes *in situ* chemical oxidation (ISCO) performance through use of a two-part product system; a sodium percarbonate oxidizer complex activated by a patented surface catalyst system. The technology degrades pollutants through direct oxidation, as well as through the generation of a suite of free radical compounds which in turn oxidize recalcitrant contaminants. RegenOX rapidly and effectively destroys a range of target contaminants including petroleum hydrocarbons and chlorinated compounds.

RegenOx is especially effective in destroying target contaminants present in high concentration source areas within the saturated and vadose zones. For petroleum hydrocarbon treatment, RegenOx produces oxygen as a result of its reactions, providing seamless transition from ISCO to enhanced aerobic bioremediation. RegenOx produces minimal heat when applied, and continues to destroy contaminants for up to 30 days on a single application. RegenOx is safe for use in direct contact with underground utilities, since it is non-corrosive to concrete and most metals.

$$C_2Cl_4 + 4/3\ Na_2CO_3 \bullet 2H_2O_2 + 4NaOH \rightarrow 2CO_2 + 4NaCl + 4H_2O + 4/3\ Na_2CO_3$$

- Free Radical Oxidation via production of:
  - Perhydroxyl Radical ($HO_2\bullet$)
  - Hydroxyl Radical ($OH\bullet$)
  - Superoxide Radical ($O_2^{-}\bullet$)

For a list of treatable contaminants with the use of RegenOx, view the Range of Treatable Contaminants Guide

Chemical Composition – Part A Oxidant

- Sodium Percarbonate – CAS #15630-89-4
- Sodium Carbonate Monohydrate - CAS #5968-11-6
- Silicic Acid – CAS #7699-11-6
- Silica Gel – CAS #63231

Chemical Composition – Part B Activator Complex

- Silicic Acid, Sodium Salt, Sodium Silicate - CAS#1344-09-08
- Silica Gel – CAS #63231
- Ferrous Sulfate – CAS #7720-78-7
- Water – CAS#7732-18-5

Properties

- Bulk Density – Part A 0.9-1.2 g/cm3; Part B – 1.39 g/cm3
- pH - 10-11 per recommended mixing ratios (3-5% oxidant in solution)
- Solubility – Oxidant - 14.5 g/100 g water; Activator – miscible in water
- Appearance – Brown to orange-brown when mixed with water
- Odor – Not detectable
- Vapor Pressure – None
- Non-hazardous

RegenOx® Technical Description

Storage and Handling Guidelines

Storage
Store in a cool, dry place out of heat/direct sunlight
Store at temperatures not to exceed 40°C/104°F
Store in original tightly closed container
Store in a well-ventilated place
Do not store near combustible materials
Store away from incompatible materials
Protect from contamination
Provide appropriate exhaust ventilation in places where dust is formed

Handling
Minimize dust generation and accumulation
Observe good industrial hygiene practices
Keep away from clothing and combustible materials
Take any precaution to avoid mixing with combustibles
Avoid contact with eyes
Do not taste or swallow
Do not eat, drink or smoke nearby
Wear appropriate personal protective equipment
Wash hands thoroughly after handling
Avoid release to the environment

Applications

RegenOx is applied using direct-injection techniques or wells. The application process enables the two- part product to be combined, then pressure-injected into the zone of contamination and moved out into the aquifer media. Application instructions for this product are contained in the RegenOx Application Instructions Guide.

Health and Safety

Material is relatively safe to handle; however, we recommend avoiding contact with eyes, skin and clothing. OSHA Level D personal protection equipment including vinyl or rubber gloves, eye protection and dust mask are recommended when handling this product. Please review the Material Safety Data Sheet for additional storage, packaging, usage, and handling requirements here: RegenOx Part A SDS and RegenOx Part B SDS.

REGENESIS

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673
949.366.8000

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

1 Identification of the substance/mixture and of the supplier

1.1 Product identifier

Trade Name: Alconox
Synonyms:
Product number: 1104-1, 1104, 1125, 1150, 1101, 1103, 1112-1, 1112

1.2 Application of the substance / the mixture : Cleaning material/Detergent

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer
Alconox, Inc.
30 Glenn Street
White Plains, NY 10603
1-914-948-4040

Supplier

Emergency telephone number:
ChemTel Inc
North America: 1-800-255-3924
International: 01-813-248-0585

2 Hazards identification

2.1 Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.

Hazard-determining components of labeling:
Tetrasodium Pyrophosphate
Sodium tripolyphosphate
Sodium Alkylbenzene Sulfonate

2.2 Label elements:

Skin irritation, category 2.
Eye irritation, category 2A.

Hazard pictograms:

Signal word: Warning

Hazard statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Additional information: None.

Hazard description

Hazards Not Otherwise Classified (HNOC): None

Information concerning particular hazards for humans and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

3 Composition/information on ingredients

3.1 Chemical characterization : None

3.2 Description : None

3.3 Hazardous components (percentages by weight)

Identification	Chemical Name	Classification	Wt. %
CAS number: 7758-29-4	Sodium tripolyphosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	12-28
CAS number: 68081-81-2	Sodium Alkylbenzene Sulfonate	Acute Tox. 4; H303 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	8-22
CAS number: 7722-88-5	Tetrasodium Pyrophosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	2-16

3.4 Additional Information : None.

4 First aid measures

4.1 Description of first aid measures

General information: None.

After inhalation:

Maintain an unobstructed airway.

Loosen clothing as necessary and position individual in a comfortable position.

After skin contact:

Wash affected area with soap and water.

Seek medical attention if symptoms develop or persist.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

Remove contact lens(es) if able to do so during rinsing.

Seek medical attention if irritation persists or if concerned.

After swallowing:

Rinse mouth thoroughly.

Seek medical attention if irritation, discomfort, or vomiting persists.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed:

No additional information.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

For safety reasons unsuitable extinguishing agents : None

5.2 Special hazards arising from the substance or mixture :

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Protective equipment:

Wear protective eye wear, gloves and clothing.
Refer to Section 8.

5.4 Additional information :

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.
Avoid contact with skin, eyes and clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures :

Ensure adequate ventilation.
Ensure air handling systems are operational.

6.2 Environmental precautions :

Should not be released into the environment.
Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up :

Wear protective eye wear, gloves and clothing.

6.4 Reference to other sections : None

7 Handling and storage

7.1 Precautions for safe handling :

Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities :

Store in a cool, well-ventilated area.

7.3 Specific end use(s):

No additional information.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

8 Exposure controls/personal protection

8.1 Control parameters :

a) 7722-88-5, Tetrasodium Pyrophosphate, OSHA TWA 5 mg/m3

b) Dusts, non-specific OEL, Irish Code of Practice

(i) Total inhalable 10 mg/m3 (8hr)

(ii) Respirible 4mg/m3 (8hr)

(iii) Tetrasodium Pyrophosphate, OSHA TWA 5 mg/m3, (8hr)

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Respiratory protection:

Not needed under normal use conditions.

Protection of skin:

Select glove material impermeable and resistant to the substance or preparation. Protective gloves recommended to comply with EN 374. Take note of break through times, permeability, and special workplace conditions, such as mechanical strain, duration of contact, etc. Protective gloves should be replaced at the first sign of wear.

Eye protection:

Safety goggles or glasses, or appropriate eye protection. Recommended to comply with ANSI Z87.1 and/or EN 166.

General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

9 Physical and chemical properties

Appearance (physical state, color):	White and cream colored flakes - powder	**Explosion limit lower:** **Explosion limit upper:**	Not determined or not available. Not determined or not available.
Odor:	Not determined or not available.	**Vapor pressure at 20°C:**	Not determined or not available.
Odor threshold:	Not determined or not available.	**Vapor density:**	Not determined or not available.
pH-value:	9.5 (aqueous solution)	**Relative density:**	Not determined or not available.
Melting/Freezing point:	Not determined or not available.	**Solubilities:**	Not determined or not available.
Boiling point/Boiling range:	Not determined or not available.	**Partition coefficient (n-octanol/water):**	Not determined or not available.
Flash point (closed cup):	Not determined or not available.	**Auto/Self-ignition temperature:**	Not determined or not available.
Evaporation rate:	Not determined or not available.	**Decompositio n**	Not determined or not available.

Safety Data Sheet

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Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Flammability (solid, gaseous):	Not determined or not available.	**Viscosity**:	a. Kinematic: Not determined or not available. b. Dynamic: Not determined or not available.
Density at 20°C:	Not determined or not available.		

10 Stability and reactivity

10.1 Reactivity : None

10.2 Chemical stability : None

10.3 Possibility hazardous reactions : None

10.4 Conditions to avoid : None

10.5 Incompatible materials : None

10.6 Hazardous decomposition products : None

11 Toxicological information

11.1 Information on toxicological effects :

Acute Toxicity:

Oral:

: LD50 > 5000 mg/kg oral rat - Product .

Chronic Toxicity: No additional information.

Skin corrosion/irritation:

Sodium Alkylbenzene Sulfonate: Causes skin irritation. .

Serious eye damage/irritation:

Sodium Alkylbenzene Sulfonate: Causes serious eye irritation .

Tetrasodium Pyrophosphate: Rabbit - Risk of serious damage to eyes .

Respiratory or skin sensitization: No additional information.

Carcinogenicity: No additional information.

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

Germ cell mutagenicity: No additional information.

Reproductive toxicity: No additional information.

STOT-single and repeated exposure: No additional information.

Additional toxicological information: No additional information.

12 Ecological information

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

12.1 Toxicity:

Sodium Alkylbenzene Sulfonate: Fish, LC50 1.67 mg/l, 96 hours.
Sodium Alkylbenzene Sulfonate: Aquatic invertebrates, EC50 Daphnia 2.4 mg/l, 48 hours. Sodium Alkylbenzene Sulfonate: Aquatic Plants, EC50 Algae 29 mg/l, 96 hours.
Tetrasodium Pyrophosphate: Fish, LC50 - other fish - 1,380 mg/l - 96 h.
Tetrasodium Pyrophosphate: Aquatic invertebrates, EC50 - Daphnia magna (Water flea) - 391 mg/l - 48 h.

12.2 Persistence and degradability: No additional information.

12.3 Bioaccumulative potential: No additional information.

12.4 Mobility in soil: No additional information.

General notes: No additional information.

12.5 Results of PBT and vPvB assessment:

PBT: No additional information.

vPvB: No additional information.

12.6 Other adverse effects: No additional information.

13 Disposal considerations

13.1 Waste treatment methods (consult local, regional and national authorities for proper disposal)

Relevant Information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11).

14 Transport information

14.1 UN Number: ADR, ADN, DOT, IMDG, IATA	None
14.2 UN Proper shipping name: ADR, ADN, DOT, IMDG, IATA	None
14.3 Transport hazard classes: ADR, ADN, DOT, IMDG, IATA	**Class:** None **Label:** None **LTD.QTY:** None

US DOT

Limited Quantity Exception: None

Bulk:
RQ (if applicable): None
Proper shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant (if applicable): No additional information.

Non Bulk:
RQ (if applicable): None
Proper shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant (if applicable): No additional information.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Comments: None	**Comments:** None
14.4 Packing group: ADR, ADN, DOT, IMDG, IATA	None
14.5 Environmental hazards :	None
14.6 Special precautions for user:	None
Danger code (Kemler):	None
EMS number:	None
Segregation groups:	None
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.	
14.8 Transport/Additional information:	
Transport category:	None
Tunnel restriction code:	None
UN "Model Regulation":	None

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

North American

SARA

Section 313 (specific toxic chemical listings): None of the ingredients are listed.
Section 302 (extremely hazardous substances): None of the ingredients are listed.

CERCLA (Comprehensive Environmental Response, Clean up and Liability Act) Reportable

Spill Quantity: None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

Inventory: All ingredients are listed.
Rules and Orders: Not applicable.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Canadian

Canadian Domestic Substances List (DSL):
All ingredients are listed.

EU

REACH Article 57 (SVHC): None of the ingredients are listed.

Safety Data Sheet

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Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Germany MAK: Not classified.
EC 648/2004 – This is an industrial detergent. Contains >30% phosphate, 15-30% anionic surfactant, <5% EDTA salts
EC 551/2009 – This is not a laundry or dishwasher detergent
EC 907/2006 – Contains no enzymes, optical brighteners, perfumes, allergenic fragrances, or preservative agents

Asia Pacific

Australia

Australian Inventory of Chemical Substances (AICS): All ingredients are listed.

China

Inventory of Existing Chemical Substances in China (IECSC): All ingredients are listed.

Japan

Inventory of Existing and New Chemical Substances (ENCS): All ingredients are listed.

Korea

Existing Chemicals List (ECL): All ingredients are listed.

New Zealand

New Zealand Inventory of Chemicals (NZOIC): All ingredients are listed.

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients are listed.

Taiwan

Taiwan Chemical Substance Inventory (TSCI): All ingredients are listed.

16 Other information

Abbreviations and Acronyms: None

Summary of Phrases

Hazard statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.

NFPA: 1-0-0
HMIS: 1-0-0

Precautionary statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

Manufacturer Statement:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

APPENDIX G
GROUNDWATER DISCHARGE PERMIT

EA Engineering, Science, & Technology, Inc., PBC
320 Gold Avenue SW, Suite 1300
Albuquerque, New Mexico 87102
Phone: (505) 224-9013

February 13, 2020

Mr. Jason Herman, Team Leader
New Mexico Environment Department
Ground Water Quality Bureau
Harold Runnels Building
1190 Saint Francis Drive
P.O. Box 5469
Santa Fe, NM 87502-5469

RE: Underground Injection Control General Discharge Permit
Moberg's Garage and Texaco Station
New Mexico Highway 161, Watrous, New Mexico
Facility IDs: 29439/1869, Release IDs: 1189/1623, WPIDs: 4086/4091
Deliverable IDs: 4086-2/4091-2

Dear Mr. Herman:

Attached please find the Underground Control General Discharge Permit (UIC DP) for your review and approval. EA Engineering, Science, and Technology, Inc., PBC (EA), on behalf of the New Mexico Environment Department Petroleum Storage Tank Bureau NMED PSTB, is conducting remediation of groundwater and soil at Moberg's Garage and Texaco Station in Watrous New Mexico. Work is conducted under NMED PSTB approved Work Plan IDs 4086 and 4091. Ms. Susan von Gonten is the NMED PSTB project manager and Ms. Katherine MacNeil is the NMED PSTB engineer overseeing the project. NMED PSTB will oversee the activities.

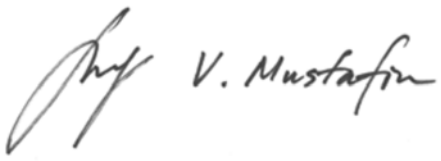
As part of the remediation, EA will inject into subsurface Regenesis Oxygen Release Compound (ORC) Advanced®. Work will be performed in accordance with New Mexico Administrative Code 20.5.119, Corrective Action for Storage Tank System Containing Petroleum Products, and the Final Remediation Plan submitted to the NMED PSTB on February 12, 2020. EA published the notice of submission of the Final Remediation Plan in Las Vegas Optic on February 12, 2020. Second publication is scheduled for February 19, 2020. A copy of the certified notice was also mailed to the adjacent property owner.

A check in the amount of $100 US dollars for permit review is attached.

If you have any questions or comments, please feel free to contact me at (505) 715-4477 or vmustafin@eaest.com.

Sincerely,

EA Engineering, Science, and Technology, Inc., PBC



Vener Mustafin, P.E.
Senior Engineer

Attachment: Underground Injection Control General Discharge Permit

Cc: Ms. Susan von Gonten, NMED PSTB
Ms. Katherine MacNeil, NMED PSTB
File

UNDERGROUND INJECTION CONTROL
GENERAL DISCHARGE PERMIT

NEW MEXICO ENVIRONMENT DEPARTMENT
GROUND WATER QUALITY BUREAU

UNDERGROUND INJECTION CONTROL

GENERAL DISCHARGE PERMIT

Certified Mail- Return Receipt Requested

Facility Name:	Moberg's Garage/Texaco Station State Lead Site New Mexico Highway 161, Watrous, New Mexico Contract #19 667 3200 0010
Facility Location:	Injection of oxidant is proposed along New Mexico Highway 161 in Watrous (see attached Injection Plan)
Legally Responsible Party:	NMED Petroleum Storage Tank Bureau 2905 Rodeo Park Drive East, Building 1 Santa Fe NM, 87505 Tel (505) 476-4397 Point of Contact: Mike McVey, P.G. EA Engineering, 320 Gold Avenue Suite 1300 Albuquerque, NM 87102 (505) 224-9013 x1530 mmcvey@eaest.com
Remediation Oversight Agency Contact:	NMED PSTB Attn: Susan von Gonten 505-476-4389
Remediation or Injection Plan Identification:	Moberg's Garage/Texaco Station Final Remediation Plan
Permitting Action:	New
PPS Contact	Jason Herman, 505-827-2713

EFFECTIVE DATE: _____ **TERM ENDS:** _____

_____

Michelle Hunter
Chief, Ground Water Quality Bureau

[Subsection H of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.I]

I. UIC GENERAL DISCHARGE PERMIT

The New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) issues this Underground Injection Control General Discharge Permit (UIC Permit) for the subsurface emplacement of additive fluids through a Class V UIC injection wells for the purpose of facilitating remediation of vadose zone and/or ground water. The GWQB issues this UIC Permit to NMED PSTB (Permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Ground and Surface Water Protection Regulations, 20.6.2 NMAC.

In issuing this UIC Permit, the GWQB has determined that the requirements of Subsection C of 20.6.2.3109 NMAC have been met. The activities authorized by this UIC Permit are principally governed by the Moberg's Garage/Texaco Station Final Remediation Plan (Injection Plan), under the authority of STATUTES/REGULATIONS, with oversight by the Petroleum Storage Tank Bureau Remedial Action Program. Compliance with this UIC Permit requires compliance with the terms, requirements, and conditions of the Injection Plan. The term of this UIC Permit shall be no longer than five years from the effective date of this UIC Permit.

The injection activities, the location of the injection site, the type of injection and quantities of additives being used are briefly described as follows:

Injection Activities (summary: including injection well type, number of wells, and injection frequency)

Copy of the Injection Plan Attached (required): ■

The specified amendment is Regenesis® Oxygen Release Compound (ORC) Advanced® (calcium hydroxide oxide, mono- and dipotassium phosphate). The ORC Advanced® will be batch mixed with water to form a slurry and immediately injected via direct push injection tools. A field log of number and volume of batches will be maintained. The batch mixing will be to 25 percent (%) solids by mass, as per Regenesis® specification. This is 10 pounds (lbs) of ORC Advanced to 3.6 gallons (30 lbs) of water. The injection will be through approximately 78 direct push boreholes. The design mass of ORC Advanced is approximately 8,260 lbs, so about 106 lbs of ORC Advanced (17 lbs/ft over the 6-foot vertical treatment thickness) will be injected into each of the 78 boreholes into an approximately 6-foot interval, as shown on Drawings G-2 and C-1. At 25% solids, the total injectate volume per borehole will be about 38 gallons, or ~6 gallons per vertical foot of injection. Subsequent "hot spot" treatments can be performed, if necessary, based on results of groundwater quality monitoring. EA will notify the GWQB 30 days in advance of any such subsequent "hot spot" injections.

Injection Site Information

Depth to Ground Water: 9 to 13 feet

Existing concentration of total dissolved solids (TDS) in ground water: <1,000 mg/L (estimated from specific conductance)

Location: Along NM Highway 161 between Oliver Street and Union Street

County: Mora
Latitude: 35° 47' 26"
Longitude: 104° 58' 55"
Map Showing Area of Injection Sites Attached (required) -:

Additives Being Used (including volumes, manufacturer, and mixing ratios)

REGENESIS ORC Advanced® (calcium hydroxide oxide, calcium hydroxide, mono- and dipotassium phosphate). The batch mixing will be to 25% solids as per Regenesis® specification. This is 10 lbs of ORC Advanced to 3.6 gallons (30 lbs) of water. The injection will be through 78 direct push boreholes. The design demand of ORC Advanced is 8,260 lbs, so about 106 lbs of ORC Advanced (17 lbs/ft over the 6-foot vertical treatment thickness) will be injected into each of the 78 boreholes as shown on Drawings G-2 and C-1. At 25% solids, the total injectate volume per borehole will be about 38 gallons, or ~6 gallons per vertical foot of injection. Safety Data Sheets and Regenesis Technical Specification Sheets for ORC Advanced are attached.

Anticipated Precipitation, Dissolution, Adsorption, and Desorption Products

The ORC Advanced will create aerobic conditions and raise the oxidation reduction potential (ORP) in the groundwater, so we do not expect local dissolution of redox metals such as manganese and ferrous iron. The ORC Advanced will be injected as a solid phase (slurry) that will slowly dissolve in groundwater releasing oxygen to facilitate aerobic biodegradation. We do not anticipate any deleterious reactions or daughter products as a result of this injection.

This UIC Permit consists of the complete and accurate completion of this UIC Permit form as determined by the GWQB.
Issuance of this UIC Permit does not relieve the Permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

Signatures

Signature must be that of the person listed as the legally responsible party on this application.

I, the applicant, attest under penalty of law to the truth of the information and supporting documentation contained in this application for an Underground Injection Control General Discharge Permit.

Applicant's Signature

Signature: V. Mustafin _____ Date: 02/13/2020 _____

Printed Name: Vener Mustafin (for EA Engineering, Science, and Technology, Inc. PBC)

Title: Project Engineer

II. FINDINGS

In issuing this UIC Permit, GWQB finds:

1. The Permittee is injecting fluids so that such injections will move directly or indirectly into ground water within the meaning of Section 20.6.2.3104 NMAC.
2. The Permittee is injecting fluids so that such fluids will move into ground water of the State of New Mexico which has an existing concentration of 10,000 mg/L or less of TDS within the meaning of Subsection A of 20.6.2.3101 NMAC.
3. The Permittee is using a Class V UIC well as described in 20.6.2.5002(B)(5)(d)(ii) NMAC for in situ ground water remediation by injecting a fluid that facilitates vadose zone or groundwater remediation.
4. The Permittee is injecting fluids into groundwater in order to achieve the remediation goals identified in the Injection Plan.

III. AUTHORIZATION TO DISCHARGE

The Permittee is authorized to inject chemical additives into ground water in accordance with this UIC Permit and the Injection Plan under the oversight of Petroleum Storage Tank Bureau Remedial Action Program.

[20.6.2.3104 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection C of 20.6.2.3109 NMAC]

IV. CONDITIONS

The conditions of this UIC Permit shall be complied with by the Permittee and are enforceable by GWQB.

1. The Permittee shall perform remediation activities in accordance with the Injection Plan and shall notify GWQB of any changes prior to making them.

   [20.6.2.3107 NMAC]

2. The Permittee shall monitor the injection activities and their effects on ground water quality as required by the Injection Plan and shall provide GWQB with electronic copies of the required reporting and any pertinent documentation of activities at the site.

   [20.6.2.3107.A NMAC, 20.6.2.3109.A NMAC]

3. If the GWQB or the Permittee identifies any failure of the Injection Plan or this UIC Permit to comply with 20.6.2 NMAC not specifically noted herein, GWQB may require the Permittee to submit a corrective action plan and a schedule for completion of corrective actions to address the failure.

   Additionally, the GWQB may tallow the Permittee to submit a proposed modification to the Injection Plan, this UIC Permit, or both.

   [20.6.2.3107.A NMAC, 20.6.2.3109.E NMAC]

4. ADDITIONAL MONITORING REQUIREMENTS – Groundwater quality monitoring will be performed quarterly on the site monitoring wells listed below. Well locations are provided on the attached Injection Plan (Drawing C-1), and surveyed coordinates of site wells are provided in the attached survey report.

   South Injection Area (see Injection Plan): W-1, W-2, W-3, BMW-10, BMW-11, and BMW-16

   North Injection Area: BMW-1, BMW-2, BMW-3, BMW-5, BMW-5R, BMW-8, BMW-18, BMW-21, and BMW-22

5. TERMINATION – Within 30 days of completion of activities authorized by this UIC Permit the Permittee shall submit a closure report and a request to terminate the UIC Permit to the GWQB for its approval. The closure report shall identify how the injection well(s) was closed in accordance with the Injection Plan. The Permittee shall provide Petroleum Storage Tank Bureau Remedial Action Program with a copy of this closure report.

   [20.6.2.5005 NMAC, 19.27.4 NMAC]

6. INSPECTION and ENTRY – The Permittee shall allow a representative of the NMED to inspect the facility and its operations subject to this UIC Permit and the WQCC regulations. The GWQB representative may, upon presentation of proper credentials, enter at reasonable times upon or through any premises in which a water contaminant source is located or in which are located any records required to be maintained by regulations of the federal government or the WQCC.

The Permittee shall allow the GWQB representative to have access to, and reproduce for their use, any copy of the records, and to perform assessments, sampling or monitoring during an inspection for the purpose of evaluating compliance with this UIC Permit and the WQCC regulations.

Nothing in this UIC Permit shall be construed as limiting in any way the inspection and entry authority of GWQB under the WQA, the WQCC Regulations, or any other local, state or federal regulations.

[20.6.2.3107.D NMAC, NMSA 1978, §§ 74-6-9.B and 74-6-9.E]

7. MODIFICATIONS and/or AMENDMENTS – In the event the Permittee proposes a change to the injection plan that would result in a change in the volume injected; the location of the injections; or the concentration of the additives being injected by the facility, the Permittee shall notify GWQB prior to implementing such changes. The Permittee shall obtain approval (which may require modification of this UIC Permit) by GWQB prior to implementing such changes.

   [20.6.2.3107.C NMAC, 20.6.2.3109.E and G NMAC]

8. COMPLIANCE with OTHER LAWS – Nothing in this UIC Permit shall be construed in any way as relieving the Permittee of the obligation to comply with all applicable federal, state, and local laws, regulations, permits or orders.

   [NMSA 1978, § 74-6-5.L]

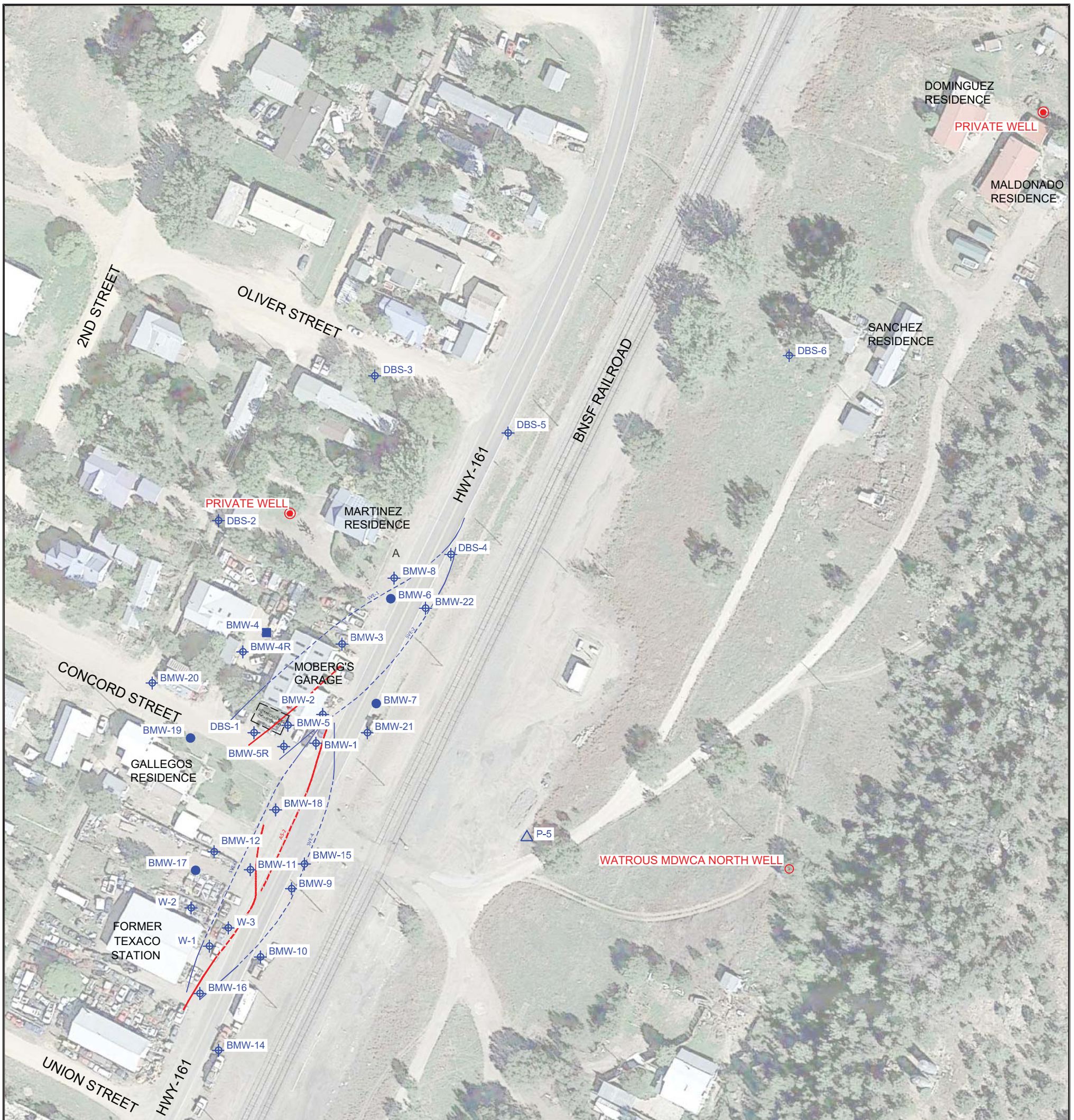
9. PERMIT FEES – Payment of permit fees is due at the time of UIC Permit approval. Permit fees shall be paid in a single payment remitted to GWQB no later than 30 days after the UIC Permit effective date.

   Permit fees are associated with issuance of this UIC Permit. Nothing in this UIC Permit shall be construed as relieving the Permittee of the obligation to pay all permit fees assessed by GWQB. A Permittee that ceases injecting or does not commence injecting during the term of the UIC Permit shall pay all permit fees assessed by GWQB. An approved UIC Permit shall be suspended or terminated if the facility fails to remit a payment by its due date.

   [20.6.2.3114.F NMAC, NMSA 1978, § 74-6-5.K]

DRAWINGS

P:\Active Projects\PSTB State lead\Moberg's Garage_Texaco Station\Reports\4086-1 Final Remediation Plan\Figures



LEGEND:

- MONITORING WELL
- SUPPLY WELL
- PIEZOMETER
- PRIVATE WELL
- WELL LOST AND/OR PRESUMED DESTROYED
- WELL PLUGGED AND ABANDONED
- HORIZONTAL AIR SPARGE WELL (SCREENED WHERE DASHED)
- HORIZONTAL SVE WELL (SCREENED WHERE DASHED)

N

100 50 0 100

SCALE IN FEET

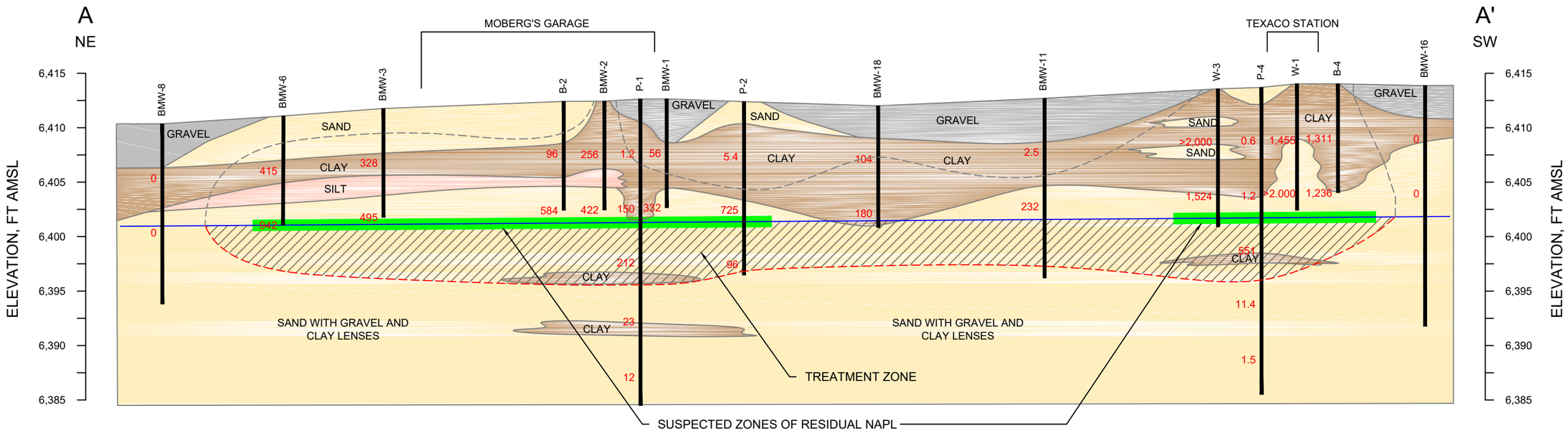
MOBERG'S GARAGE AND TEXACO STATION
WATROUS, NEW MEXICO

DRAWING G-1
SITE LAYOUT

PROJECT #:	6350901	PROJECT PHASE:	03	PROJECT MANAGER:	MM

320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC



P-4 ← WELL ID

1,455 ← PID READING, PPMV

STATIC GROUNDWATER LEVEL

EXTENT OF PRE-REMEDIATION SOILS ABOVE 100 PPMV

PID = PHOTOIONIZATION DETECTOR
PPMV = PARTS PER MILLION BY VOLUME
FT AMSL = FEET ABOVE MEAN SEA LEVEL
NAPL = NON-AQUEOUS PHASE LIQUID

10 5 0 10

VERTICAL SCALE IN FEET

40 20 0 40

HORIZONTAL SCALE IN FEET

SOURCE: DBS&A

MOBERG'S GARAGE AND TEXACO STATION
WATROUS, NEW MEXICO

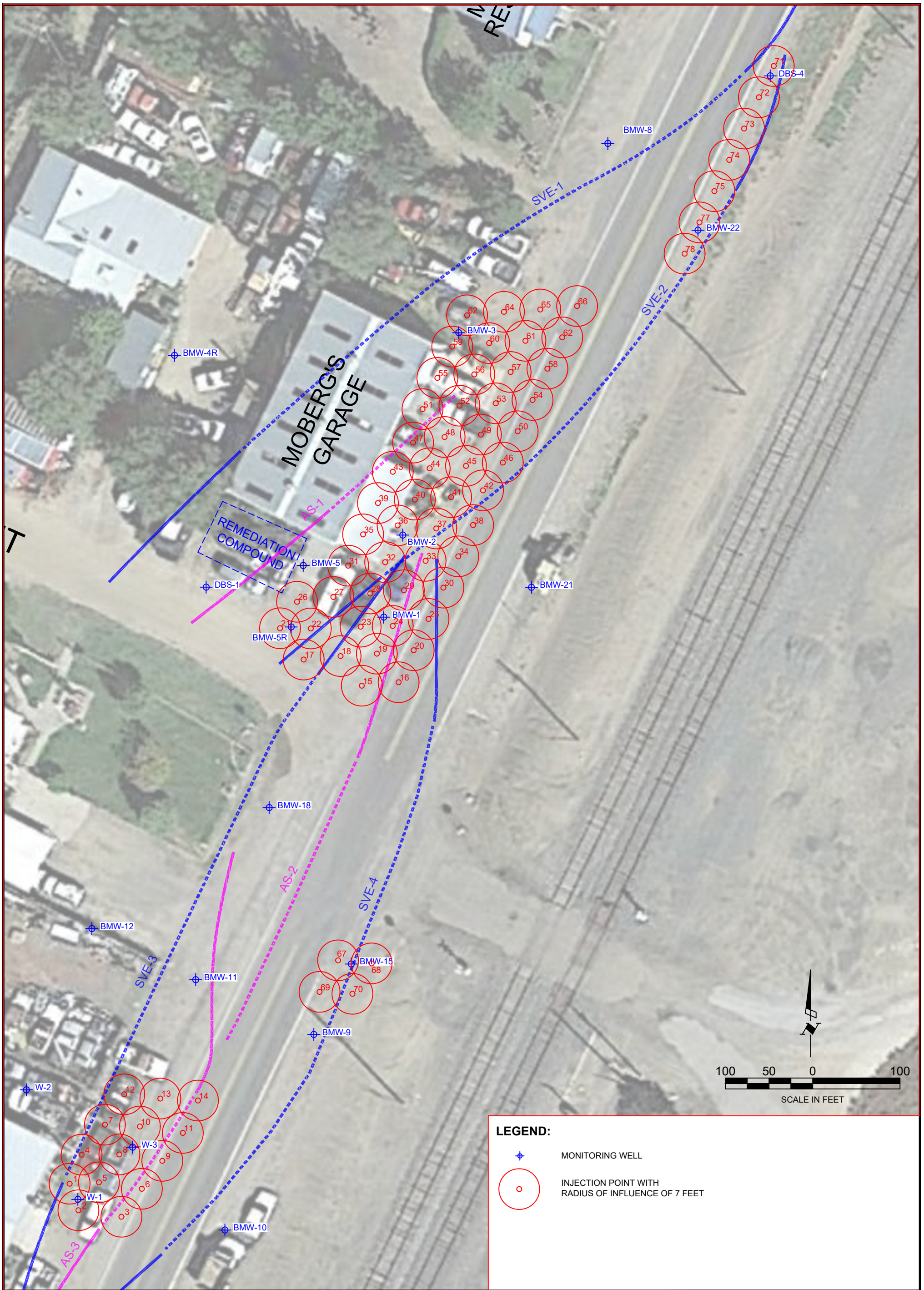
DRAWING G-2
LONGITUDINAL SECTION SHOWING INJECTION ZONE

PROJECT #:	PROPOSAL	PROJECT PHASE:	PROJECT MANAGER:

320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
Phone: (505) 224-9013
Fax: (505) 224-9016
EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC

P:\Active Projects\PSTB State lead\Moberg's Garage_Texaco Station\Reports\4086-1 Final Remediation Plan\Figures

P:\Marketing-Proposals\NMED STATE LEAD\Mobergs Garage_Texaco Station - 2019 Feb\Figures



LEGEND:

- MONITORING WELL
- INJECTION POINT WITH RADIUS OF INFLUENCE OF 7 FEET

MOBERG'S GARAGE AND TEXACO STATION
FINAL REMEDIATION PLAN
WATROUS, NEW MEXICO

INJECTION PLAN

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.
320 Gold Avenue, SW Suite 1210
Albuquerque, NM 87102
Phone: (505) 224-9013
Fax: (505) 224-9016

DRAWING NO.: C-1

PROJECT NUMBER: 6350901

REV.	DATE	DRAWN	CHECKED	REMARKS
0	1/24/20	VM	JS	4086-1 FINAL REMEDIATION PLAN

REVISIONS

ORC ADVANCED® TECHNICAL DESCRIPTION

OXYGEN RELEASE COMPOUND

ORC Advanced® Technical Description

ORC Advanced® is an engineered, oxygen release compound designed specifically for enhanced, *in situ* aerobic bioremediation of petroleum hydrocarbons in groundwater and saturated soils. Upon contact with groundwater, this calcium oxyhydroxide-based material becomes hydrated producing a controlled release of molecular oxygen (17% by weight) for periods of up to 12 months on a single application.

Example of ORC Advanced

ORC Advanced decreases time to site closure and accelerates degradation rates up to 100 times faster than natural degradation rates. A single ORC Advanced application can support aerobic biodegradation for up to 12 months with minimal site disturbance, no permanent or emplaced above ground equipment, piping, tanks, power sources, etc are needed. There is no operation or maintenance required. ORC Advanced provides lower costs, greater efficiency and reliability compared to engineered mechanical systems, oxygen emitters and bubblers.

ORC Advanced provides remediation practitioners with a significantly faster and highly effective means of treating petroleum contaminated sites. Petroleum hydrocarbon contamination is often associated with retail petroleum service stations resulting from leaking underground storage tanks, piping and dispensers. As a result, ORC Advanced technology and applications have been tailored around the remediation needs of the retail petroleum industry and include: tank pit excavations, amending and mixing with backfill, direct-injection, bore-hole backfill, ORC Advanced Pellets for waterless and dustless application, combined ISCO and bioremediation applications, etc.

For a list of treatable contaminants with the use of ORC Advanced, view the Range of Treatable Contaminants Guide

Chemical Composition

- Calcium hydroxide oxide
- Calcium hydroxide
- Monopotassium phosphate
- Dipotassium phosphate

Properties

- Physical state: Solid
- Form: Powder
- Odor: Odorless
- Color: White to pale yellow
- pH: 12.5 (3% suspension/water)

OXYGEN RELEASE COMPOUND

ORC Advanced® Technical Description

Storage and Handling Guidelines

Storage
Store in a cool, dry place out of direct sunlight
Store in original tightly closed container
Store in a well-ventilated place
Do not store near combustible materials
Store away from incompatible materials
Provide appropriate exhaust ventilation in places where dust is formed

Handling
Minimize dust generation and accumulation
Keep away from heat
Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces
Observe good industrial hygiene practices
Take precaution to avoid mixing with combustibles
Keep away from clothing and other combustible materials
Avoid contact with water and moisture
Avoid contact with eyes, skin, and clothing
Avoid prolonged exposure
Wear appropriate personal protective equipment

Applications

- Slurry mixture direct-push injection through hollow rods or direct-placement into boreholes
- *In situ* or *ex situ* slurry mixture into contaminated backfill or contaminated soils in general
- Slurry mixture injections in conjunction with chemical oxidants like RegenOx or PersulfOx
- Filter sock applications in groundwater for highly localized treatment
- *Ex situ* biopiles

Health and Safety

Wash thoroughly after handling. Wear protective gloves, eye protection, and face protection. Please review the ORC Advanced Safety Data Sheet for additional storage, usage, and handling requirements.

REGENESIS®

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673
949.366.8000

WELL SURVEY DATA

SURVEYING CONTROL, INC.

131 Madison St. N.E.
Albuquerque, NM 87108
(505) 266-0935
Fax (505) 266-9985

February 26, 2016

Attn: Tom Golden, PE
Daniel B. Stephens & Associates, Inc.
6020 Academy Road, N.E. Ste. 100
Albuquerque, NM 87109

Re: Coordinates & Elevations for Monitoring Wells - Moberg's Garage / Texaco Station UST Site at Watrous, New Mexico

Dear Tom:

The following are the coordinates and elevations for the monitoring wells on the above referenced site. The coordinates are New Mexico State Plane Coordinates, East Zone - NAD 83 (1992), and have been adjusted to USC&GS Benchmark / NMDOT GPS Control Point ñM 75ò (Coordinates for M 75 taken from NMDOT GPS Control Map for N.M.P. # G2BT3 Las Vegas-Springer prepared by William A. Bowers, NMPS 11765: Y = 1743582.615, X = 349069.137) The elevations are referred to NAVD 88, and have been adjusted to ñM 75ò as well (Published Elevation = 6419.55ô). The coordinates & elevations below are expressed in US Survey Feet. The elevations shown below labeled ñTop PVC Elev.ò were taken on the black Magic Marker spot on the north edge of the PVC well casing inside the outer cover. The coordinates shown below are to the center of the cap on each well inside the outer cover lid.

Well	Northing	Easting	Top PVC Elev.
DBS-1	1743760.79	348948.14	6416.18
DBS-2	1743948.77	348915.76	6416.40
DBS-3	1744107.31	349071.93	6413.48
DBS-4	1743932.24	349144.56	6414.26
DBS-5	1744050.71	349203.34	6413.73
DBS-6	1744121.28	349480.66	6413.99
W-1	1743552.49	348900.16	6417.66
W-2	1743590.52	348883.30	6418.36
W-3	1743570.11	348918.98	6417.25
BMW-1	1743749.91	349008.85	6416.13
BMW-3	1743846.58	349036.30	6415.41
BMW-4R	1743840.72	348938.71	6415.96
BMW-8	1743910.54	349088.32	6413.80
BMW-9	1743607.20	348981.71	6416.82
BMW-10	1743540.76	348950.03	6417.02
BMW-11	1743626.65	348941.69	6416.38

Well	Northing	Easting	Top PVC Elev.
BMW-12	1743644.99	348906.73	6416.47
BMW-14	1743449.75	348907.08	6417.14
BMW-15	1743631.15	348995.05	6416.65
BMW-16	1743506.31	348889.70	6417.59
BMW-18	1743685.62	348968.19	6415.57
BMW-20	1743811.64	348848.80	6416.53
BMW-21	1743758.66	349058.96	6415.43
BMW-22	1743880.04	349118.88	6414.09
P-5	1743633.07	349189.04	6417.55

Please do not hesitate to call if you have any questions or if you need any additional information.

Sincerely,

Stephen J. Toler, PS

NOTICE OF SUBMISSION OF THE FINAL REMEDIATION PLAN

NOTICE OF SUBMISSION OF FINAL REMEDIATION PLAN

Dates of Notice: February 12th, 2020; February 19th, 2020

Notice is hereby given by EA Engineering, Science, and Technology, Inc. PBC of the submission of a Final Remediation Plan to the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB), as follows:

1. The Final Remediation Plan proposes actions to remediate a release of petroleum or petroleum products into the environment.

2. The release occurred at Moberg's Garage and Texaco Station, Highway 161, Watrous, New Mexico.

3. The Final Remediation Plan proposes injection of Regenesis Oxygen Release Compound (ORC) Advanced® to facilitate aerobic biodegradation of residual contamination present in two hot spots that remain at the site.

4. A copy of the Final Remediation Plan can be viewed by interested parties at the NMED PSTB office located at 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico, 87505 and at the NMED field office located at 2538 Ridgerunner Road, Las Vegas, NM, 87701. In addition, the Final Remediation Plan and all applicable data may be viewed at the following website: https://cloud.env.nm.gov/waste/pages/search.php?search=%21collection2245&k=9b546b8566. Services may be arranged for translation of documents, for interpreters, and for obtaining services for persons with disabilities by contacting the NMED PSTB Project Manager. TDD or TTY users, please access phone numbers using the New Mexico Relay Network, 1-800-659-1779 (voice) and 1-800-659-8331 (TTY users).

5. Comments on the plan may be sent to the NMED PSTB Project Manager by mail at New Mexico Environment Department Petroleum Storage Tank Bureau, Attn: Susan von Gonten, 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico, 87505; by telephone at (505) 476-4397; or e-mailed to: susan.vongonten@state.nm.us. Comments must be delivered by March 11, 2020. Comments sent to the project manager must also be mailed to the New Mexico Environment Department Secretary, Attn: Secretary Kenney, PO Box 5469, Santa Fe, NM 87502-5469. Please include the name of the site "Moberg's Garage and Texaco Station, Watrous, New Mexico" to ensure comments are correctly assigned to the site.

END OF PUBLIC NOTICE

AVISO DE PRESENTACIÓN DEL PLAN DE REMEDIACIÓN FINAL

Fechas de aviso: 12 de febrero de 2020; 19 de febrero de 2020

Por el presente aviso, EA Engineering, Science, and Technology, Inc. PBC notifica la presentación de un Plan de Remediación Final a la Oficina de Tanques de Almacenamiento de Petróleo (PSTB, por sus siglas en inglés) del Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en inglés), como sigue:

1. El Plan de Remediación Final propone acciones para remediar una liberación de petróleo o productos del petróleo al medio ambiente.

2. La liberación ocurrió en Moberg's Garage y Texaco Station, Highway 161, Watrous, Nuevo México.

3. El Plan de Remediación Final propone la inyección de Regenesis Oxygen Release Compound (ORC, por sus siglas en inglés) Advanced® para facilitar la biodegradación aeróbica de la contaminación residual presente en dos lugares conflictivos que quedan en el sitio.

4. Una copia del Plan de Remediación Final puede ser vista por las partes interesadas en la oficina de PSTB del NMED ubicada en 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico, 87505 y en la oficina local del NMED ubicada en 2538 Ridgerunner Road, Las Vegas, NM, 87701. Además, el Plan de Remediación Final y todos los datos aplicables pueden ser vistos en el siguiente sitio web: https://cloud.env.nm.gov/waste/pages/search.php?search=%21collection2245&k=9b546b8566. Se pueden organizar servicios para la traducción de documentos, para intérpretes, y para obtener servicios para personas con discapacidades comunicándose con la gerente de proyecto de PSTB del NMED. Los usuarios de TDD o TTY, pueden acceder a los números de teléfono usando la Red de Retransmisión de Nuevo México, 1-800-659-1779 (voz) y 1-800-659-8331 (usuarios de TTY).

5. Los comentarios sobre el plan pueden enviarse a la gerente de proyecto de PSTB del NMED por correo a la Oficina de Tanques de Almacenamiento de Petróleo del Departamento de Medio Ambiente de Nuevo México, a la atención de: Susan von Gonten, 2905 Rodeo Park Drive East, Building 1, Santa Fe, Nuevo México, 87505; por teléfono al (505) 476-4397; o por correo electrónico a: susan.vongonten@state.nm.us. Los comentarios deben ser entregados a más tardar el 11 de marzo de 2020. Los comentarios enviados a la gerente de proyecto también deben ser enviados por correo al secretario del Departamento de Medio Ambiente de Nuevo México, a la atención del secretario Kenney, P.O. Box 5469,

Santa Fe, NM 87502-5469. Por favor incluya el nombre del sitio "Moberg's Garage and Texaco Station, Watrous, New Mexico" para asegurar que los comentarios sean asignados correctamente al sitio.

FIN DEL AVISO PÚBLICO

APPENDIX H
PUBLIC NOTICE

NOTICE OF SUBMISSION OF FINAL REMEDIATION PLAN

Dates of Notice: February 12th, 2020; February 19th, 2020

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2. The release occurred at Moberg's Garage and Texaco Station, Highway 161, Watrous, New Mexico.

3. The Final Remediation Plan proposes injection of Regenesis Oxygen Release Compound (ORC) Advanced® to facilitate aerobic biodegradation of residual contamination present in two hot spots that remain at the site.

4. A copy of the Final Remediation Plan can be viewed by interested parties at the NMED PSTB office located at 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico, 87505 and at the NMED field office located at 2538 Ridgerunner Road, Las Vegas, NM, 87701. In addition, the Final Remediation Plan and all applicable data may be viewed at the following website: https://cloud.env.nm.gov/waste/pages/search.php?search=%21collection2245&k=9b546b8566. Services may be arranged for translation of documents, for interpreters, and for obtaining services for persons with disabilities by contacting the NMED PSTB Project Manager. TDD or TTY users, please access phone numbers using the New Mexico Relay Network, 1-800-659-1779 (voice) and 1-800-659-8331 (TTY users).

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END OF PUBLIC NOTICE

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Fechas de aviso: 12 de febrero de 2020; 19 de febrero de 2020

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2. La liberación ocurrió en Moberg's Garage y Texaco Station, Highway 161, Watrous, Nuevo México.

3. El Plan de Remediación Final propone la inyección de Regenesis Oxygen Release Compound (ORC, por sus siglas en inglés) Advanced® para facilitar la biodegradación aeróbica de la contaminación residual presente en dos lugares conflictivos que quedan en el sitio.

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5. Los comentarios sobre el plan pueden enviarse a la gerente de proyecto de PSTB del NMED por correo a la Oficina de Tanques de Almacenamiento de Petróleo del Departamento de Medio Ambiente de Nuevo México, a la atención de: Susan von Gonten, 2905 Rodeo Park Drive East, Building 1, Santa Fe, Nuevo México, 87505; por teléfono al (505) 476-4397; o por correo electrónico a: susan.vongonten@state.nm.us. Los comentarios deben ser entregados a más tardar el 11 de marzo de 2020. Los comentarios enviados a la gerente de proyecto también deben ser enviados por correo al secretario del Departamento de Medio Ambiente de Nuevo México, a la atención del secretario Kenney, P.O. Box 5469,

Santa Fe, NM 87502-5469. Por favor incluya el nombre del sitio "Moberg's Garage and Texaco Station, Watrous, New Mexico" para asegurar que los comentarios sean asignados correctamente al sitio.

FIN DEL AVISO PÚBLICO

6350901 01
Mobergs

Post Mark Here

FEES
Postage Per Piece $7.560
Certified Fee $3.550
Return Receipt Fee 2.850
Total Postage & Fees $13.960

ARTICLE ADDRESSED TO:
Roberta Martinez & Anna Lovato
1301 S Raleigh St.
Denver CO 80219-3751

9402 7118 9956 1285 8399 00
CERTIFIED MAIL TRACKING NUMBER

9402 7118 9956 1285 8399 00
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Restricted Delivery? (Extra Fee) ☐ Yes

Service Type: CERTIFIED

Article Number: 9402 7118 9956 1285 8399 00

9402 7118 9956 1285 8399 00

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (☐Addressee or ☐Agent)
X Roberta Martinez

B. Received By: (Please Print Clearly)

C. Date of Delivery

D. Addressee's Address (If Different From Address Used by Sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

Article Addressed To:

Roberta Martinez & Anna Lovato
1301 S Raleigh St.
Denver CO 80219-3751

Legal# 20020057

Notice of Submission of

Final Remediation Plan

AFFIDAVIT OF PUBLICATION

COUNTY OF SAN MIGUEL

STATE OF NEW MEXICO } ss.

Phil Scherer, Being first duly sworn, on oath states that he is the Editor of the Las Vegas Optic, a tri-weekly newspaper of general paid and general circulation in San Miguel county, New Mexico, entered under the second class postal privilege in said county, being the county in which the notice hereto attached is required to be published and said paper has been published in said San Miguel County continuously and uninterruptedly during a period of six months prior to the first issue thereof containing said notice. That the notice of which a copy as published is hereto attached and hereby made a part hereof was published in the English Language in said newspaper once each week for 2 consecutive weeks on the following dates, to wit:

First Publication on the 12 day of February, 20 20.

Second Publication on the 19 day of February, 20 20.

Third Publication on the _____ day of _____, 20 20.

Fourth Publication on the _____ day of _____, 20 20.

Fifth Publication on the _____ day of _____, 20 20.

Sixth Publication on the _____ day of _____, 20 20.

That such notice is a legal notice and was published in said newspaper duly qualified for that purpose within the meaning of the provisions of Chapter 167, session Laws of 1937, and that payment therefor has been made – assessed as Court costs.

Phillip Scherer

Editor

Subscribed and sworn to before me this 24th day of February, 2020.

Maria S. Sanchez

Notary Public

5/30/2021

Expires

Official Seal
MARIA S. SANCHEZ
Notary Public
State of New Mexico
My Commission Expires 5/30/21

LVO2019

www.lasvegasoptic.com

LAS VEGAS OPTIC Classifieds

To place a classified ad call: 505-425-6796 or email: lvclassified@lasvegasoptic.com

To view legals online, go to: www.publicnoticeads.com • To view classifieds/legals online, go to: www.lasvegasoptic.com

155 Lost

$500.00 Reward 1 yr old German Shepherd, answers to Zeus, Lost in Ojitos Frios area. Call 575-799-0842.

600 Employment

Phlebotomy Certification (blood drawing) $350 Las Vegas, March 28th and 29th swphlebotomy.net 505-410-7889

610 Employment Wanted

state EMPLOYEES CREDIT UNION

FULL TIME-TELLER STATE Employees Credit Union is currently seeking a highly motivated, organized individual for the Full-Time Teller position in the Las Vegas Office. Successful candidate will perform routine member transactions, including deposits, withdrawals, cash advances, loan payments, transfers and check cashing accurately and efficiently. Candidate must possess a minimum of 6 months cash handling experience, excellent member service skills; previous financial experience is a plus. State Employees Credit Union offers a highly competitive benefits package. For more information and to apply please visit www.secunm.org or call 505-954-3404. Applications must be received by Human Resources. EOE

710 Apartments for Rent

1 BR Apt. Located at 212 Union St. $600/Mon.+ $600/dep. Includes all Utilities + WiFi, Couple/1 Person Only. Call 505-514-0385

720 Houses for Rent

3 BD, 2 BA, Fenced yard large kitchen/living room, large master BD and bath. Good location, 1 Yr. Lease. Call 505-617-1600

900 Legal Notices

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Dates of Notice: February 12th, 2020; February 19th, 2020

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• • •

AVISO DE PRESENTACIÓN DEL PLAN DE REMEDIACIÓN FINAL
Fechas de aviso:12 de febrero de 2020; 19 de febrero de 2020

Por el presente aviso, EA Engineering, Science, and Technology, Inc. PBC notifica la presentación de un Plan de Remediación Final a la Oficina de Tanques de Almacenamiento de Petróleo (PSTB, por sus siglas en inglés) del Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en inglés), como sigue:

1. El Plan de Remediación Final propone acciones para remediar una liberación de petróleo o productos del petróleo al medio ambiente.
2. La liberación ocurrió en Moberg's Garage y Texaco Station, Highway 161, Watrous, Nuevo México.
3. El Plan de Remediación Final propone la inyección de Regenesis Oxygen Release Compound (ORC, por sus siglas en inglés) Advanced® para facilitar la biodegradación aeróbica de la contaminación residual presente en dos lugares conflictivos que quedan en el sitio.
4. Una copia del Plan de Remediación Final puede ser vista por las partes interesadas en la oficina de PSTB del NMED ubicada en 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico, 87505 y en la oficina local del NMED ubicada en 2538 Ridgerunner Road, Las Vegas, NM, 87701. Además, el Plan de Remediación Final y todos los datos aplicables pueden ser vistos en el siguiente sitio web: https://cloud.env.nm.gov/waste/pages/search.php?search=%21collection2245&k=9b546b8566. Se pueden organizar servicios para la traducción de documentos, para intérpretes, y para obtener servicios para personas con discapacidades comunicándose con la gerente de proyecto de PSTB del NMED. Los usuarios de TDD o TTY, pueden acceder a los números de teléfono usando la Red de Retransmisión de Nuevo México, 1-800-659-1779 (voz) y 1-800-659-8331 (usuarios de TTY).
5. Los comentarios sobre el plan pueden enviarse a la gerente de proyecto de PSTB del NMED por correo a la Oficina de Tanques de Almacenamiento de Petróleo del Departamento de Medio Ambiente de Nuevo México, a la atención de: Susan von Gonten, 2905 Rodeo Park Drive East, Building 1, Santa Fe, Nuevo México, 87505; por teléfono al (505) 476-4397; o por correo electrónico a: susan.vongonten@state.nm.us. Los comentarios deben ser entregados a más tardar el 11 de marzo de 2020. Los comentarios enviados a la gerente de proyecto también deben ser enviados por correo al secretario del Departamento de Medio Ambiente de Nuevo México, a la atención del secretario Kenney, P.O. Box 5469, Santa Fe, NM 87502-5469. Por favor incluya el nombre del sitio "Moberg's Garage and Texaco Station, Watrous, New Mexico" para asegurar que los comentarios sean asignados correctamente al sitio.

PUB: Las Vegas Optic, Feb 12, 19, 2020
#20020057

PUBLIC NOTICE
Section 8 Public Hearing

The San Miguel County Housing Authority has developed its PHA-5 Year and Annual Plan on accordance with the requirements set forth in the Housing Quality and Work Responsibility Act of 1999. The Plan along with supporting documentation will be available for review at the Administrative Offices of San Miguel County located at 500 W. National Avenue, 203, Las Vegas, New Mexico, from January 17, 2020 thru March 2, 2020 during normal business hours. On March 2, 2020, from 1:00 p.m. to 3:00 p.m., in the San Miguel County Commission Chambers, Second Floor of the County Administration Building, 500 W. National Avenue, Las Vegas, New Mexico, a public hearing will be held to entertain any written comments that the public may have. Questions may be addressed to Alex Tafoya, Planning and Zoning Supervisor, San Miguel County, 500 W. National Avenue, Suite 203, Las Vegas, New Mexico 87701, telephone 505-425-7805.
Signed: Alex Tafoya, Planning and Zoning Supervisor
PUB: Las Vegas Optic, Feb 19, 2020
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APPENDIX I
IMPLEMENTATION SCHEDULE

APPENDIX I. IMPLEMENTATION SCHEDULE
MOBERG'S GARAGE AND TEXACO STATION, WATROUS, NEW MEXICO

Activity	Description	Task Duration	Total Duration
1	Final FRP Approval	30	30
2	Phase 4 Work Plan Preparation and Approval	30	60
3	Public Notice Period	30	90
4	Vendor and Contractor Procurement	5	95
5	Mobilize to Site	10	105
6	Inject ORC-A	14	119
7	1st Quarterly Sampling	91	210
8	2nd Quarterly Sampling	91	301
9	3rd Quarterly Sampling	91	392
10	Annual Monitoring and Performance Assessment	91	483

Note:
The presented schedule is preliminary and may be adjusted based on regulatory approval, property access, equipment, materials, subcontractor availability, and other factors.