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**Third Quarter 2007  
Groundwater Monitoring and Sampling Report**

Mission Valley Rock Company  
7999 Athenour Way  
Sunol, California

Prepared by:  
**Tait Environmental Management, Inc.**

*November 14, 2007*



Hanson Aggregates Mid-Pacific, Inc.  
3000 Busch Road  
Pleasanton, CA 94566-8403

November 14, 2007

Mr. Jerry Wickham  
Hazardous Materials Specialist  
Alameda County Health Care Services  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**SUBJECT: THIRD QUARTER 2007  
GROUNDWATER MONITORING AND SAMPLING REPORT  
MISSION VALLEY ROCK COMPANY  
7999 ATHENOUR WAY, SUNOL, CALIFORNIA**

Dear Mr. Wickham,

Please find enclosed Tait Environmental Management's *Third Quarter 2007 Groundwater Monitoring and Sampling Report* on the above referenced site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions, please don't hesitate to contact the undersigned at (925) 426-4170.

Sincerely,

A handwritten signature in blue ink that reads "Lee W. Cover".

Lee W. Cover  
Environmental Manager  
Hanson Aggregates Mid-Pacific, Inc.

cc: Bill Butler, Hanson Aggregates Mid-Pacific, Inc.

November 14, 2007

**Third Quarter 2007  
Groundwater Monitoring and Sampling Report**

Mission Valley Rock Company  
7999 Athenour Way  
Sunol, California

Prepared for:

Mr. Lee Cover  
Hanson Aggregates Northern California  
3000 Busch Rd., Pleasanton, CA 94566

Prepared by:

*Michael Schenone*

---

Michael Schenone  
Project Scientist

Reviewed by:

*Paul N. McCarter*



---

Paul N. McCarter, PG, CHG, REAI  
Senior Project Manager

**Tait Environmental Management**  
701 North Parkcenter Drive  
Santa Ana, California 92705

Project No. EM-5009C

**TABLE OF CONTENTS**

1.0 INTRODUCTION .....2

2.0 OBJECTIVE AND SCOPE OF WORK.....2

3.0 BACKGROUND .....2

4.0 SITE HYDROGEOLOGY.....2

5.0 GROUNDWATER MONITORING WELL PURGING AND SAMPLING.....3

6.0 LABORATORY ANALYSES.....4

7.0 SUMMARY OF ACTIVITIES AND FINDINGS .....5

8.0 QUALITY ASSURANCE/QUALITY CONTROL .....6

9.0 REFERENCES.....7

10.0 LIMITATIONS.....7

**FIGURES**

1. Site Vicinity Map
2. Site Plan
3. Groundwater Contour Map (Shallow Zone) Third Quarter 2007
4. Groundwater Contour Map (Deep Zone) Third Quarter 2007
5. Groundwater Contour Map (Livermore Formation) Third Quarter 2007
6. TPHg Concentrations in Groundwater (Shallow Zone) Third Quarter 2007
7. TPHg Concentrations in Groundwater (Deep Zone) Third Quarter 2007
8. TPHg Concentrations in Groundwater (Livermore Formation) Third Quarter 2007
9. MTBE Concentrations in Groundwater (Shallow Zone) Third Quarter 2007
10. MTBE Concentrations in Groundwater (Deep Zone) Third Quarter 2007
11. MTBE Concentrations in Groundwater (Livermore Formation) Third Quarter 2007
12. Benzene Concentrations in Groundwater (Shallow Zone) Third Quarter 2007
13. Benzene Concentrations in Groundwater (Deep Zone) Third Quarter 2007
14. Benzene Concentration in Groundwater (Livermore Formation) Third Quarter 2007

## **TABLES**

1. Well Construction Details and Groundwater Elevation Data – Third Quarter 2007
2. Historical Groundwater Gauging Data
3. Groundwater Analytical Results – Third Quarter 2007
4. Historical Groundwater Analytical Results

## **APPENDICES**

- A. Cross Sections
- B. Sampling Data Sheets
- C. Certificate of Disposal
- D. TEM Laboratory Report

**Third Quarter 2007  
Groundwater Monitoring and Sampling Report  
Mission Valley Rock Company  
Sunol, California**

## **1.0 INTRODUCTION**

This report summarizes the Third Quarter 2007 groundwater monitoring and sampling event conducted at the Mission Valley Rock Company (site) located at 7999 Athenour Way in Sunol, California (Figure 1). The wells were sampled as part of the Third Quarter 2007 groundwater monitoring and sampling program.

## **2.0 OBJECTIVE AND SCOPE OF WORK**

The objective of the proposed scope of work was to monitor and sample the existing groundwater monitoring wells at the site (Figure 2).

The scope of work that Tait Environmental Management (TEM) developed to meet the objectives included the following tasks:

- Groundwater Monitoring & Sampling
- Laboratory Analyses
- Report Preparation
- Non-hazardous Waste Disposal

## **3.0 BACKGROUND**

In May 1996, Tank Protect Engineering (TPE) removed one gasoline and two diesel underground storage tanks (USTs). During June 1998, three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed at the site. Quarterly groundwater monitoring continued from January 1999 through March 2000 (TEM, 2000).

In June 2000, TEM assumed the contract for environmental services at the site. In December 2002, eight soil borings (TB-1 through TB-8) were drilled and sampled at the site using a direct-push rig.

In January 2005, eight additional soil borings were advanced at the site using a hollow-stem auger drill rig. Six of the borings were converted to single-, double-, and triple-completion groundwater monitoring wells for a total of 12 wells (MW-2S, MW-2M, MW-2D, MW-4S, MW-4D, MW-5S, MW-5D, MW-6S, MW-6D, MW-7S, MW-7D, MW-8). Shallow wells were designated with an "S" and deep wells were designated with a "D". Groundwater monitoring well MW-2 was abandoned. The work was performed in accordance with the Alameda County Environmental Health Services (ACEHS) directive of November 16, 2004, which requested the collection of depth-discrete groundwater samples from the site (ACEHS, 2004).



In April and May 2006, LFR, Inc. (LFR) installed, developed, sampled, and surveyed 12 additional wells (MW-9S, MW-9D, MW-9LF, MW-10S, MW-10D, MW-10LF, MW-11S, MW-11D, MW-11LF, MW-12S, MW-12D, and MW-12LF) in four well clusters, which were located peripherally to the existing wells. The "LF" wells were screened in the Livermore Formation below the deep-zone wells.

The wells installed by LFR were surveyed and added to the groundwater monitoring and sampling schedule during the Second Quarter 2006. Data concerning the wells installed in April and May 2006 were provided to TEM by LFR. Quarterly groundwater monitoring and sampling have been conducted by TEM from the Fourth Quarter 2000 through the present.

In February 2007, LFR completed a site assessment to more completely characterize the lateral extent of the fuel hydrocarbons in groundwater in the areas north and south of well clusters MW-9 and MW-11, respectively, as well as the vertical extent of fuel hydrocarbons at deeper intervals than those currently screened in wells MW-9LF and MW-11LF (LFR, 2007). In its Site Assessment Report, dated April 10, 2007, LFR concluded, with subsequent ACEHS concurrence, that the lateral and vertical extent of the contamination in the groundwater has been sufficiently characterized in the area of the asphalt plant and that further investigation in this area is not necessary. The ACEH also concurred with LFR's recommendation of a pilot test for proposed air sparging as the primary remedial alternative. Additional data from that investigation was included in the First Quarter 2007 Groundwater Monitoring Report, and the contours present in this report reflect that data.

#### **4.0 SITE HYDROGEOLOGY**

The site is located within the Sunol Valley at an elevation of approximately 260 feet above mean sea level (USGS, 1989). The land surface at the site has been disturbed by excavation activities; however, the natural surface slopes at a gradient of approximately 35 feet per mile toward San Antonio Creek to the east-northeast. San Antonio Creek flow is toward the northwest.

Drilling and sampling activities at the site indicate that a discontinuous clay layer is present below the surficial gravels in the area west of the gravel road to depths of 10 to 15 feet below ground surface (bgs), with the exception of the area at MW-2S/2M/2D, where the clay layer extends to a depth of 25 feet bgs (TEM, 2005). This clay layer was not observed east of this area. Soils below the clay layer to the maximum depth explored (30 feet bgs) consist primarily of gravelly sand and sandy gravel mixtures. The top of the Livermore Formation is not well defined; however, the Livermore Formation appears to contain a higher percentage of fine-grained material, primarily silt, than the overlying higher permeability gravels. Cross sections showing the site hydrogeology, and the analytical results from soil samples collected during assessment activities and current groundwater analytical results are contained in Appendix A.

Groundwater levels are measured from the shallow-zone, deep-zone, and Livermore Formation wells. The levels are generally similar between the zones, and the groundwater zones appear to be generally hydraulically continuous.



Based on the Third Quarter 2007 groundwater monitoring data, the overall depth to groundwater at the site ranged from 4.77 feet bgs in well MW-4S to 9.71 feet bgs in well MW-12LF. Relative to the Second Quarter 2007 groundwater monitoring event, groundwater levels declined in all wells, except for well MW-9LF, where it increased by 1.94 feet. In general, groundwater levels have declined an average of 1.4 feet in the wells relative to the Second Quarter 2007 monitoring event (Tait, 2007).

Groundwater in the shallow-zone wells in the southern and western parts of the site is generally flowing in a southeasterly direction at an approximate gradient of 0.012 foot/foot (ft/ft). In the northeastern part of the site, this direction appears to be affected by a groundwater mound in the area of wells MW-4S and MW-10S (Figure 3). In this area, shallow-zone groundwater is flowing in a southwesterly direction away from the mound at a gradient of approximately 0.071 ft/ft.

Groundwater in the deep-zone wells is flowing in a general southeasterly direction at a gradient of approximately 0.017 ft/ft (Figure 4).

Groundwater in the Livermore Formation is flowing in a general easterly direction a gradient of approximately 0.014 ft/ft (Figure 5).

Vertical groundwater gradients have generally increased from the Second Quarter 2007 to the Third Quarter 2007 groundwater monitoring events.

The flow direction in the shallow-zone, deep-zone, and Livermore Formation flow regimes is opposite to the regional northwesterly groundwater flow direction in the Sunol Valley as reported by the ACEHS in their letter to Mission Valley Rock Company, dated November 3, 2005 (ACEHS, 2005). The variation from the regional trend may reflect local conditions, and the groundwater levels at the site may be affected by excavation and pumping operations related to aggregate extraction at the site. Groundwater flow in the Livermore Formation during the Third Quarter 2007 appears to correlate with earlier monitoring events prior to the Second Quarter 2007.

## 5.0 GROUNDWATER MONITORING WELL PURGING AND SAMPLING

On September 10, 2007, static groundwater levels were measured and recorded in the on-site groundwater monitoring wells using an electrical product/water interface meter. Water levels were measured relative to the top of the well casing (representing the wellhead survey point). Prior to use at each well, the meter was decontaminated with a mild detergent solution and two de-ionized water rinses. Groundwater gauging and elevation data for the Third Quarter 2007 event are summarized in Table 1. Historical groundwater elevation data are summarized in Table 2. Groundwater sampling data sheets are presented in Appendix B.

On September 10, 11, and 12, 2007, the groundwater monitoring wells were purged using low-flow (micro-purge) techniques. A portable Barant peristaltic low-flow pump was employed as





part of the Third Quarter 2007 groundwater monitoring and sampling event. Prior to the Third Quarter 2007, purging and sampling were completed using a submersible pump. However, analytical result from the equipment blank samples indicated that attempts at fully decontaminating the sampling equipment were not completely successful, particularly during the sampling of the wells with highest concentrations of hydrocarbons. Based on this, and as recommended in the Second Quarter 2007 Groundwater Monitoring Report (Tait, 2007), the sampling protocols were changed to low-flow purging techniques beginning with the current groundwater monitoring event.

The Barant peristaltic pump is a portable pump that uses a rotating pump head and flexible tubing to create peristaltic pumping action. New 1/8-inch polyethylene tubing was used for each well, and the tubing was left in the well as dedicated tubing following sampling activities. The Barant pump does not come in contact with groundwater, and therefore, eliminates the need for decontamination. The tubing inlet was placed into the well approximately in the middle of the screened interval.

Groundwater samples were collected from 26 wells at the site. Samples were collected once field parameters had stabilized following three successful readings. Based on the sampling method employed, it was determined that equipment blank samples were no longer required. Groundwater samples were collected from the discharge end of the pump tubing at low-flow levels and transferred into laboratory-supplied containers. Care was taken to ensure that no headspace was present in the containers. Following sample collection, the samples were labeled, placed into an ice-chilled cooler (4°C), and transported under chain-of-custody protocols to SunStar Laboratories, Inc. (SunStar), a State-Certified laboratory (ELAP No. 2250) for chemical analysis.

Approximately 8 gallons of purged groundwater were pumped into a steel 55-gallon drum during the Third Quarter 2007 sampling event. Integrated Waste Management of Milpitas, California provided pick-up services for the drummed purge water generated by the sampling activities. The drum was transported and disposed as non-hazardous water at Seaport Refining & Environmental in Redwood City, California on July 02, 2007. The Certificate of Disposal is contained in Appendix C.

## 6.0 LABORATORY ANALYSES

The groundwater samples collected during the Third Quarter 2007 groundwater monitoring and sampling event were analyzed for the diesel and gasoline fractions of Total Petroleum Hydrocarbons (TPH<sub>d</sub> and TPH<sub>g</sub>, respectively) using EPA Method No. 8015M; for benzene, toluene, ethylbenzene, total xylenes (BTEX); and for methyl tertiary butyl ether (MTBE), and the other fuel oxygenates tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), and ethyl tertiary-butyl ether (ETBE) using EPA Method No. 8260B.

Contoured dissolved-phase TPH<sub>g</sub> concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 6, 7, and 8, respectively. Contoured dissolved-phase MTBE concentrations in the shallow zone, deep zone, and Livermore



Formation zone are presented in Figures 9, 10, and 11, respectively. Contoured dissolved-phase benzene concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 12, 13, and 14, respectively.

## **7.0 SUMMARY OF ACTIVITIES AND FINDINGS**

Based upon the data presented in this report, previous investigations, current regulatory guidelines, and the judgment of TEM, the following is a summary of activities and findings:

- Based on the depth to water measurements obtained by TEM, groundwater levels have declined an average of 1.4 feet this quarter relative to the corresponding Second Quarter 2007 groundwater levels.
- The groundwater flow direction for the shallow zone ranges from southeasterly to southwesterly at gradients ranging from 0.012 to 0.071 ft/ft, respectively.
- Groundwater in the deep zone is flowing toward the southeast at a gradient of about 0.017 ft/ft.
- Groundwater in the Livermore Formation is flowing in an easterly direction at a gradient of 0.014 ft/ft.
- The mounding effect in the area of wells MW-4S and MW-10s cannot be adequately explained by any specific mechanism and may be a combination of factors, including excavation and pumping operations related to aggregate extraction during the Third Quarter of 2007.
- Twenty-six groundwater samples were collected by TEM from the monitoring wells at the site, and they were delivered to SunStar for analysis.
- A maximum TPHd concentration of 21,000 micrograms per liter ( $\mu\text{g/L}$ ) was detected in well MW-11D. Highest TPHd concentrations appear to be localized in deep-zone wells in the central and southern parts of the area extending from well MW-11D in the south to MW-9D in the north, as well as in the area of shallow zone wells MW-2S and MW-6S.
- A maximum TPHg concentration of 36,000  $\mu\text{g/L}$  was detected in well MW-9D. Highest concentrations of TPHg appear to be localized in the deep-zone wells in the north-central part of the area, particularly in the vicinity of wells MW-7D and MW-9D, and in the vicinity of well MW-11D in the south-central part of the area (Figure 7).
- A maximum MTBE concentration of 190  $\mu\text{g/L}$  was detected in well MW-11LF. MTBE is localized in the central and southern parts of the area in the vicinity of wells MW-2, MW-6, MW-10, and MW-11 (Figures 9, 10, and 11). MTBE is notably absent in well clusters MW-7 and MW-9 in the northern part of the area.



- A maximum benzene concentration of 990  $\mu\text{g/L}$  was detected in well MW-9D. Benzene tends to be localized in the deep-zone wells in the northern part of the area in the vicinity of wells MW-7D and MW-9D (Figure 13).
- Concentration trends of toluene, ethylbenzene, and total xylenes are similar to those of benzene.
- TBA was detected in wells MW-9D and MW-11LF at concentrations of 30  $\mu\text{g/L}$  and 13  $\mu\text{g/L}$ , respectively.
- MTBE and TBA were the only fuel oxygenates detected above their respective reporting limits during the Third Quarter 2007 groundwater monitoring event.
- In general, TPHg and BTEX tend to be localized in the groundwater in the northern part of the area, upgradient of the former USTs, whereas MTBE concentrations tend to be localized in the groundwater in the central and southern parts of the area, downgradient of the former USTs. Fluctuating groundwater conditions may have occurred at the site in the past, resulting in variable migration pathways for the fuel hydrocarbons in the groundwater.
- With some exceptions, notably the TPHd concentrations in the area of wells MW-2, MW-6, and MW-11, overall fuel hydrocarbon concentrations generally tended to be somewhat lower relative to the Second Quarter of 2007 levels.
- The concentrations of hydrocarbons in groundwater indicate that the deep zone is the most impacted zone at the site.

## **8.0 QUALITY ASSURANCE/QUALITY CONTROL**

To increase the confidence levels in the data obtained and minimize the likelihood that judgments were made from potentially erroneous data, a quality assurance/quality control (QA/QC) program was implemented. QA refers to management of actions designed to maintain precision, accuracy, completeness, and representativeness of the data developed from the project. QC refers to accepted formal procedures and activities specifically designed for the purpose of collecting data that are intended to be reliable and consistent for the site conditions.

The program includes formal procedures for sampling, decontamination, instrument calibration, documentation of activities and calculations, and peer review. Routine QC procedures were performed by the laboratory and included daily calibration of instruments, percent surrogate recoveries and analysis of matrix spikes and matrix spike duplicates. The laboratory reported the results to be within acceptable percent recoveries with no results exceeding the laboratory-established control limits.



## 9.0 REFERENCES

Alameda County Environmental Health Services, November 16, 2004, *Fuel Leak Case No. RO0000207*, Mission Valley Rock and Asphalt, 7999 Anthenour Way, CA.

Alameda County Environmental Health Services, November 3, 2005, *Fuel Leak Case No. RO0000207*, Mission Valley Rock and Asphalt, 7999 Anthenour Way, CA.

LFR, Inc., April 10, 2007, *Site Assessment Report of Additional Lateral and Vertical Characterization and Plan for Interim Remediation at the Asphalt Plant*, Hanson Aggregates Mission Valley Rock Facility, 7999 Athenour Way, Sunol, Alameda County, California.

Tait Environmental Management, July 28, 2000, *Second Quarter Report*, June 2000, Mission Valley Rock Company, 7999 Athenour Way, Sunol, California 94586.

Tait Environmental Management, April 1, 2005, *Site Assessment and First Quarter 2005 Groundwater Monitoring and Sampling Report*, Mission Valley Rock Company, 7999 Athenour Way, Sunol, California 94586.

Tait Environmental Management, August 3, 2007, *Second Quarter 2007 Groundwater Monitoring and Sampling Report*, Mission Valley Rock Company, 7999 Athenour Way, Sunol, California.

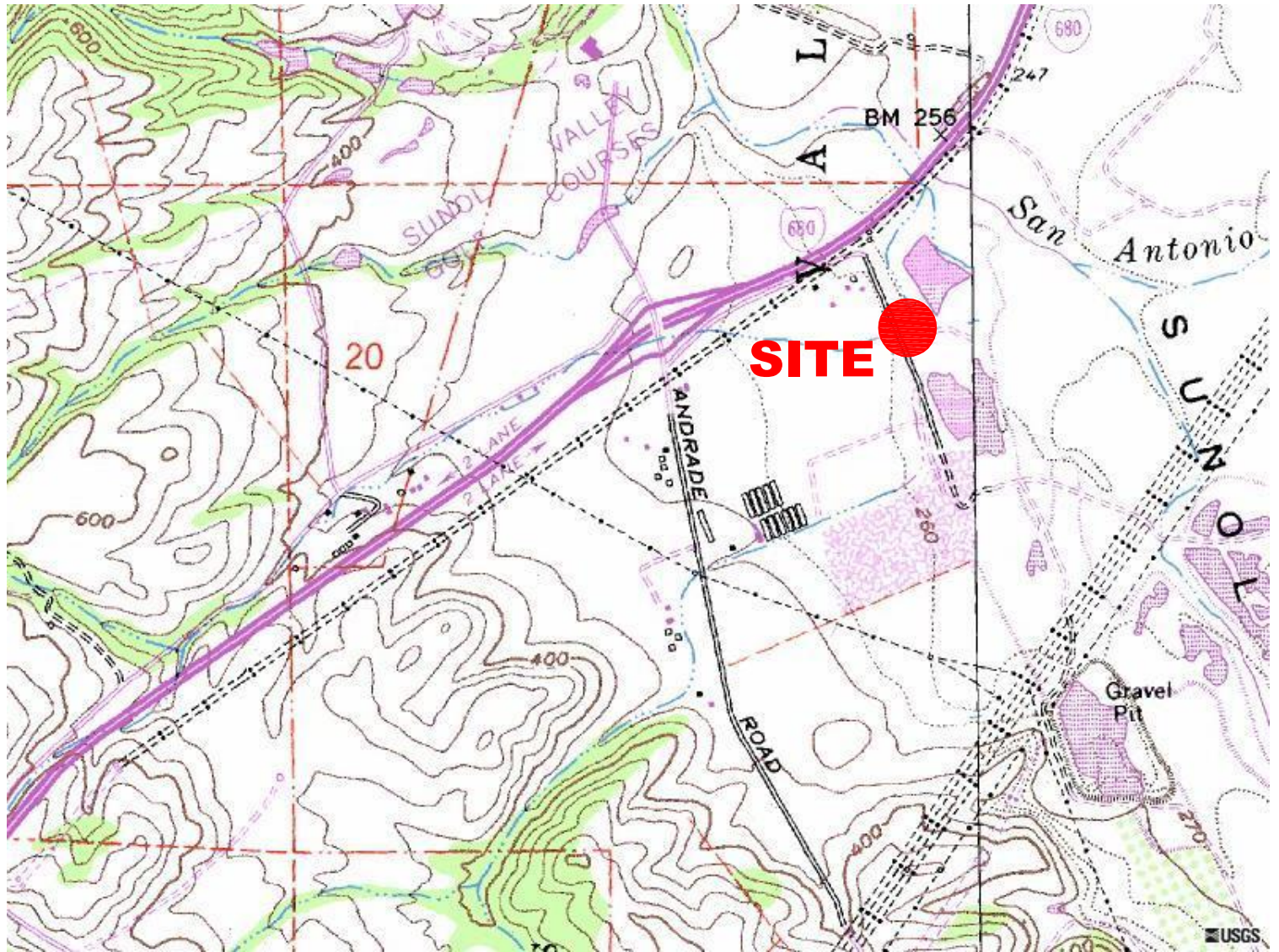
U.S. Geological Survey (USGS), 1989, *Fremont 7.5 Minute Topographic Quadrangle Map*, 1:24,000.

## 10.0 LIMITATIONS

No investigation is considered thorough enough to exclude the presence of hazardous materials at a given site. Opinions and/or recommendations presented apply to site conditions existing at the time of the performance of services and TEM is unable to report on or accurately predict events which may impact the site following conduct of the described services, whether occurring naturally or caused by external forces. No responsibility is assumed by TEM for conditions it is not authorized to investigate, or conditions not generally recognized as environmentally unacceptable at the time services were performed. Services hereunder were performed in accordance with our agreement and understanding with, and solely for the use of, Mission Valley Rock. TEM is not responsible for the subsequent separation, detachment or partial use of this document. Any reliance on this report by a third party shall be at such party's sole risk.

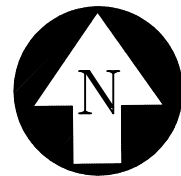
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## FIGURES



**NOTES:**

BASE MAP TAKEN FROM TERRASERVER.COM,  
 UNITED STATES GEOLOGICAL SURVEY (USGS),  
 FREEMONT QUADRANGLE, ALAMEDA COUNTY,  
 CALIFORNIA. PRINTED JULY 1, 1989.



0 1000 2000

APPROXIMATE SCALE  
 (IN FEET)

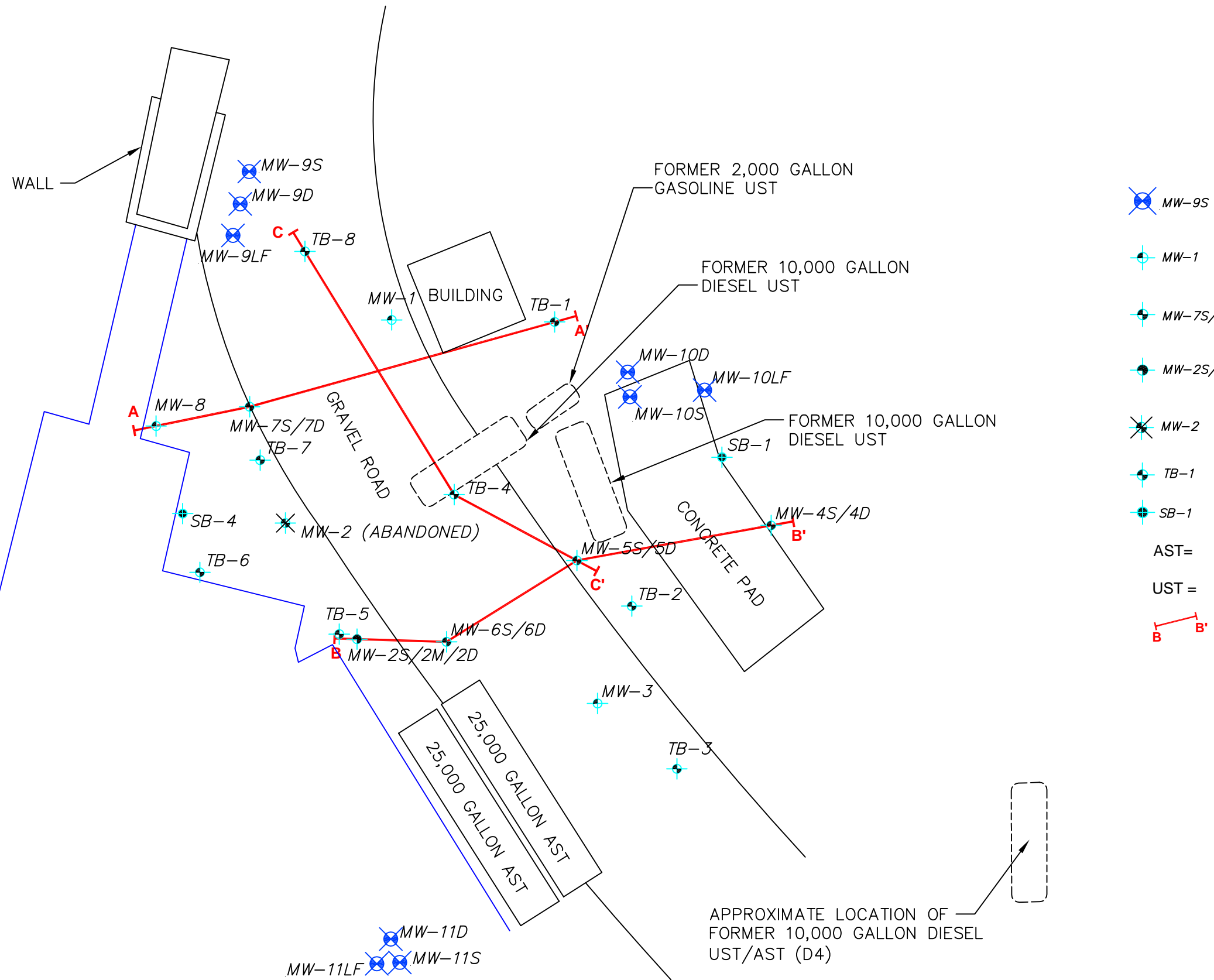


**TAIT ENVIRONMENTAL MANAGEMENT, INC.**  
 701 NORTH PARKCENTER DRIVE  
 SANTA ANA, CALIFORNIA 92705  
 (714) 560-8200  
 (714) 560-8235 FAX









**SITE VICINITY MAP**  
 HANSON AGGREGATES  
 (FORMALLY MISSION VALLEY ROCK CO.)  
 7999 ATHENOUR WAY  
 SUNOL, CALIFORNIA

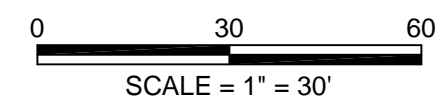
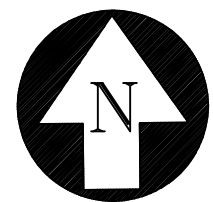
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 REVIEWED BY: P.M.  
 PROJECT: EM5009C  
 DATE: OCTOBER 2007



**FIGURE 1**



**EXPLANATION**

-  MW-9S NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
-  MW-1 EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
-  MW-7S/7D EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED
-  MW-2S/SM/2D EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED
-  MW-2 ABANDONED GROUNDWATER MONITORING WELL
-  TB-1 GRAB GROUNDWATER SAMPLE LOCATION
-  SB-1 TEMPORARY SOIL BORING LOCATION
- AST= ABOVEGROUND STORAGE TANK
- UST = UNDERGROUND STORAGE TANK
-  CROSS SECTION LOCATIONS (APPENDIX A)



-  MW-12LF
-  MW-12D
-  MW-12S

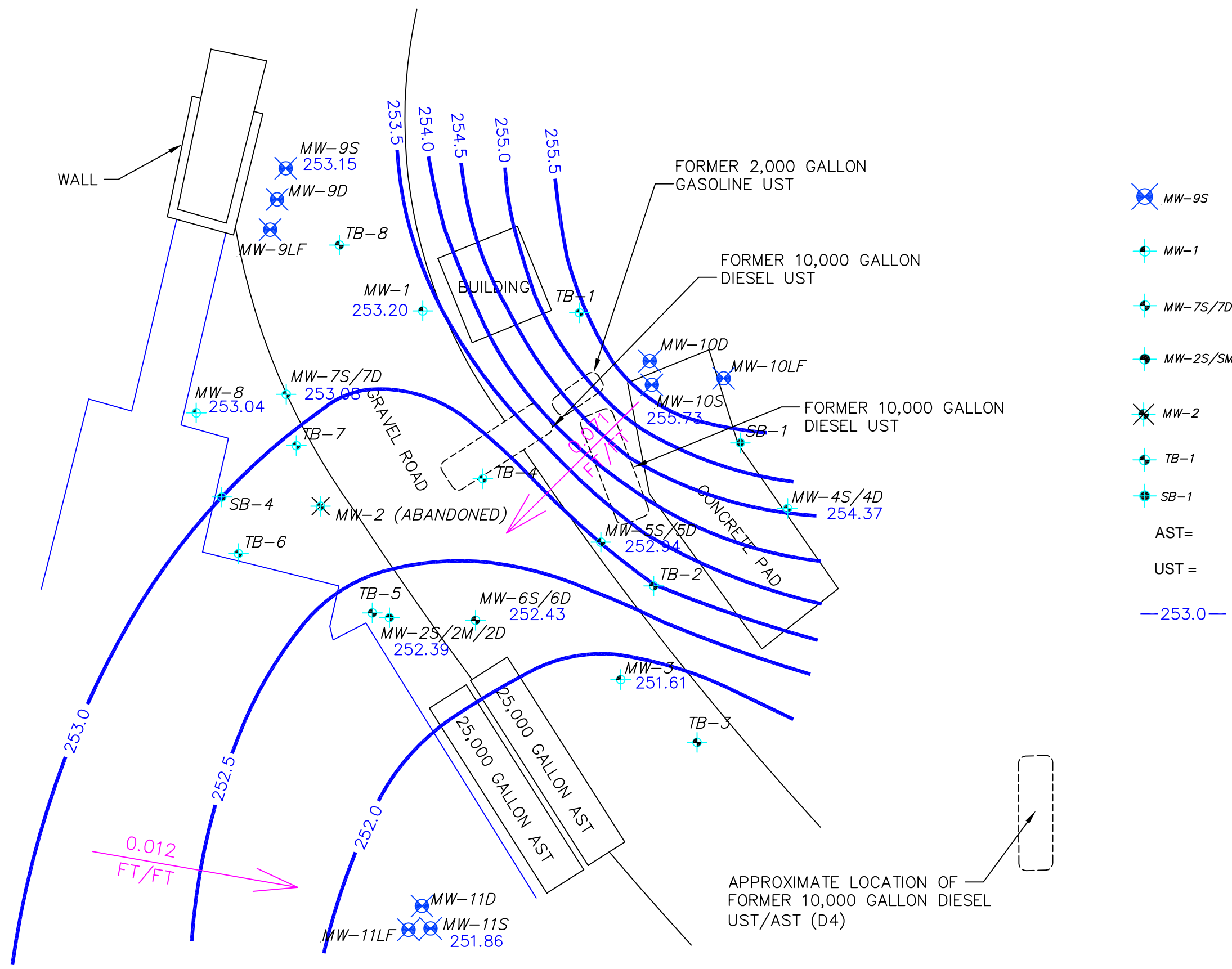


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**SITE PLAN**  
 THIRD QUARTER 2007  
 HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)  
 7999 ATHENOUR WAY, SUNOL, CALIFORNIA

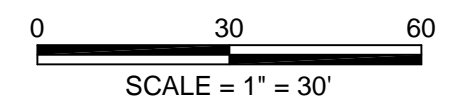
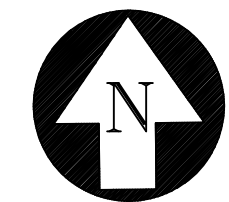
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DATE:	OCTOBER 2007

**FIGURE 2**



**EXPLANATION**

-  MW-9S NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
-  MW-1 EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
-  MW-7S/7D EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED
-  MW-2S/SM/2D EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED
-  MW-2 ABANDONED GROUNDWATER MONITORING WELL
-  TB-1 GRAB GROUNDWATER SAMPLE LOCATION
-  SB-1 TEMPORARY SOIL BORING LOCATION
- AST= ABOVEGROUND STORAGE TANK
- UST= UNDERGROUND STORAGE TANK
-  -253.0- GROUNDWATER ELEVATION CONTOUR (IN FEET ABOVE MEAN SEA LEVEL)



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**GROUNDWATER CONTOUR MAP (SHALLOW ZONE)**

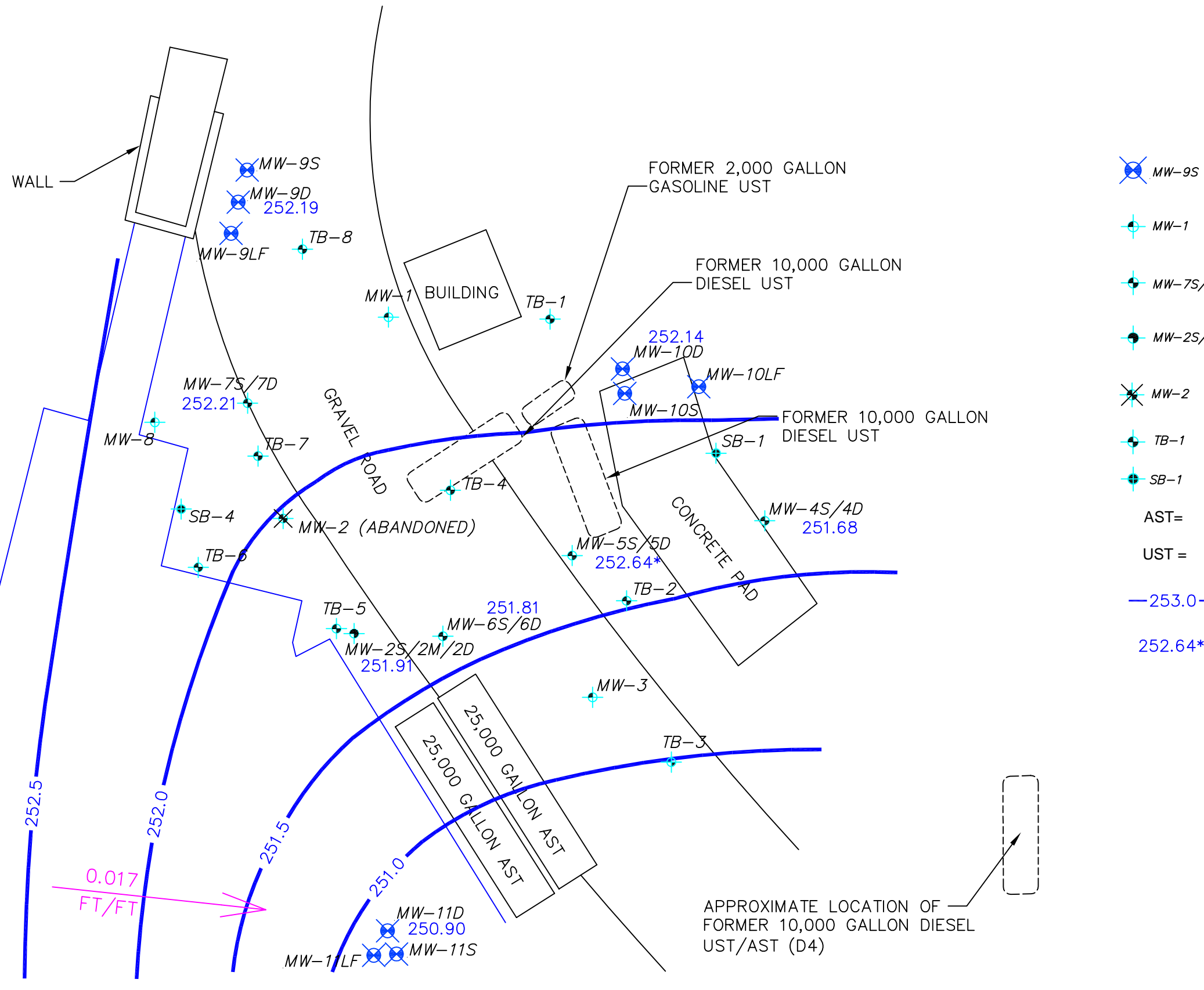
THIRD QUARTER 2007

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)  
 7999 ATHENOUR WAY, SUNOL, CALIFORNIA








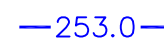
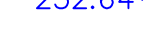
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REVIEWED BY:	P.M.
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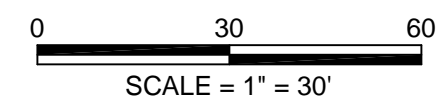
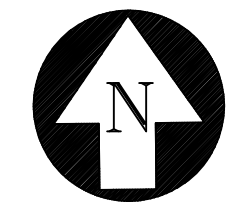
FIGURE  
3





**EXPLANATION**

-  MW-9S NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
-  MW-1 EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
-  MW-7S/7D EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED
-  MW-2S/SM/2D EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED
-  MW-2 ABANDONED GROUNDWATER MONITORING WELL
-  TB-1 GRAB GROUNDWATER SAMPLE LOCATION
-  SB-1 TEMPORARY SOIL BORING LOCATION
- AST= ABOVEGROUND STORAGE TANK
- UST = UNDERGROUND STORAGE TANK
-  253.0 GROUNDWATER ELEVATION CONTOUR (IN FEET ABOVE MEAN SEA LEVEL)
-  252.64\* NOT USED FOR CONTOURING

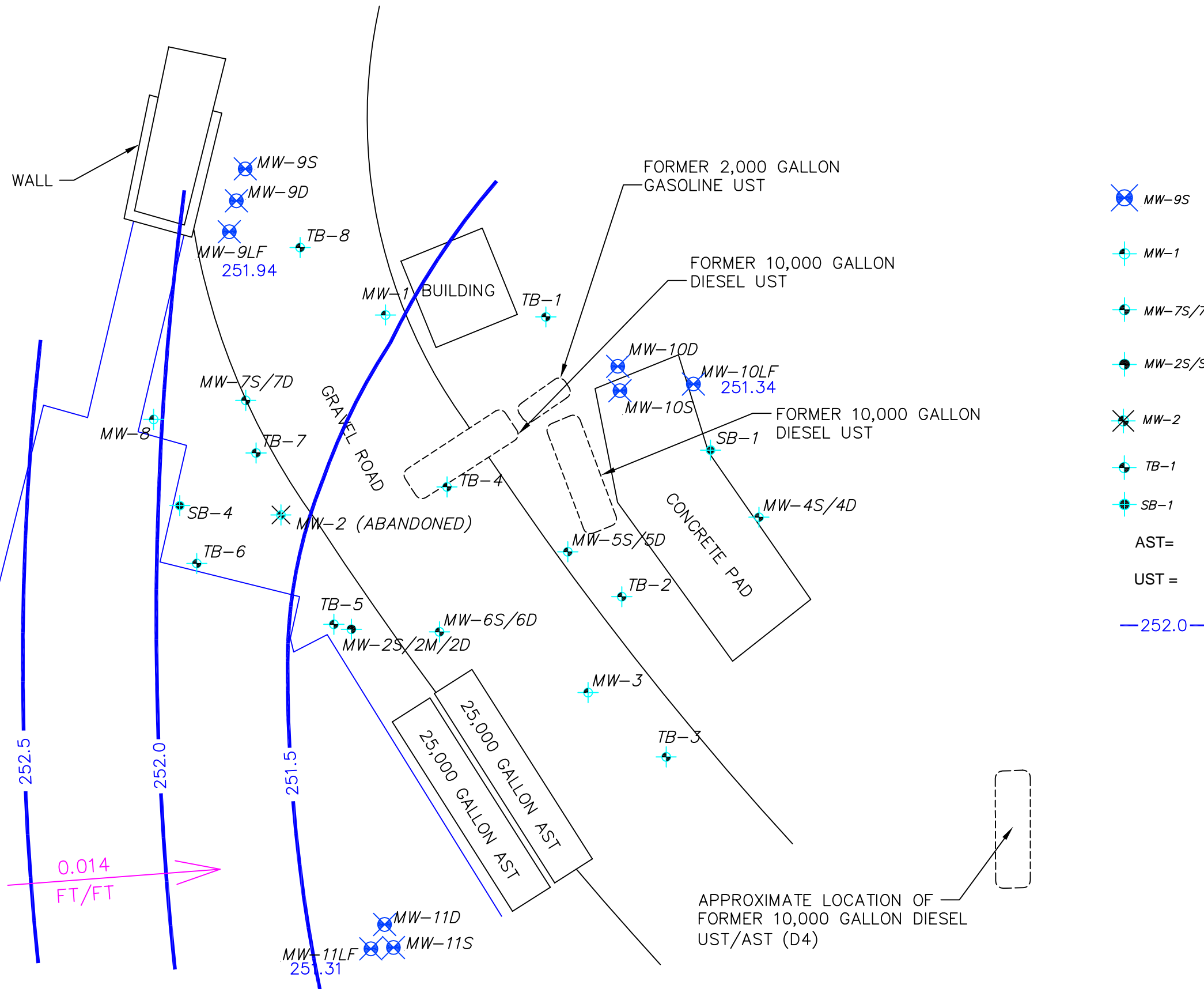


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**GROUNDWATER CONTOUR MAP (DEEP ZONE)**  
 THIRD QUARTER 2007  
 HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)  
 7999 ATHENOUR WAY, SUNOL, CALIFORNIA

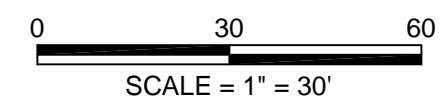
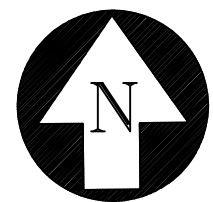
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FIGURE  
4



**EXPLANATION**

-  MW-9S NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
-  MW-1 EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
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-  MW-2S/SM/2D EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED
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-  TB-1 GRAB GROUNDWATER SAMPLE LOCATION
-  SB-1 TEMPORARY SOIL BORING LOCATION
- AST= ABOVEGROUND STORAGE TANK
- UST = UNDERGROUND STORAGE TANK
-  252.0 GROUNDWATER ELEVATION CONTOUR (IN FEET ABOVE MEAN SEA LEVEL)



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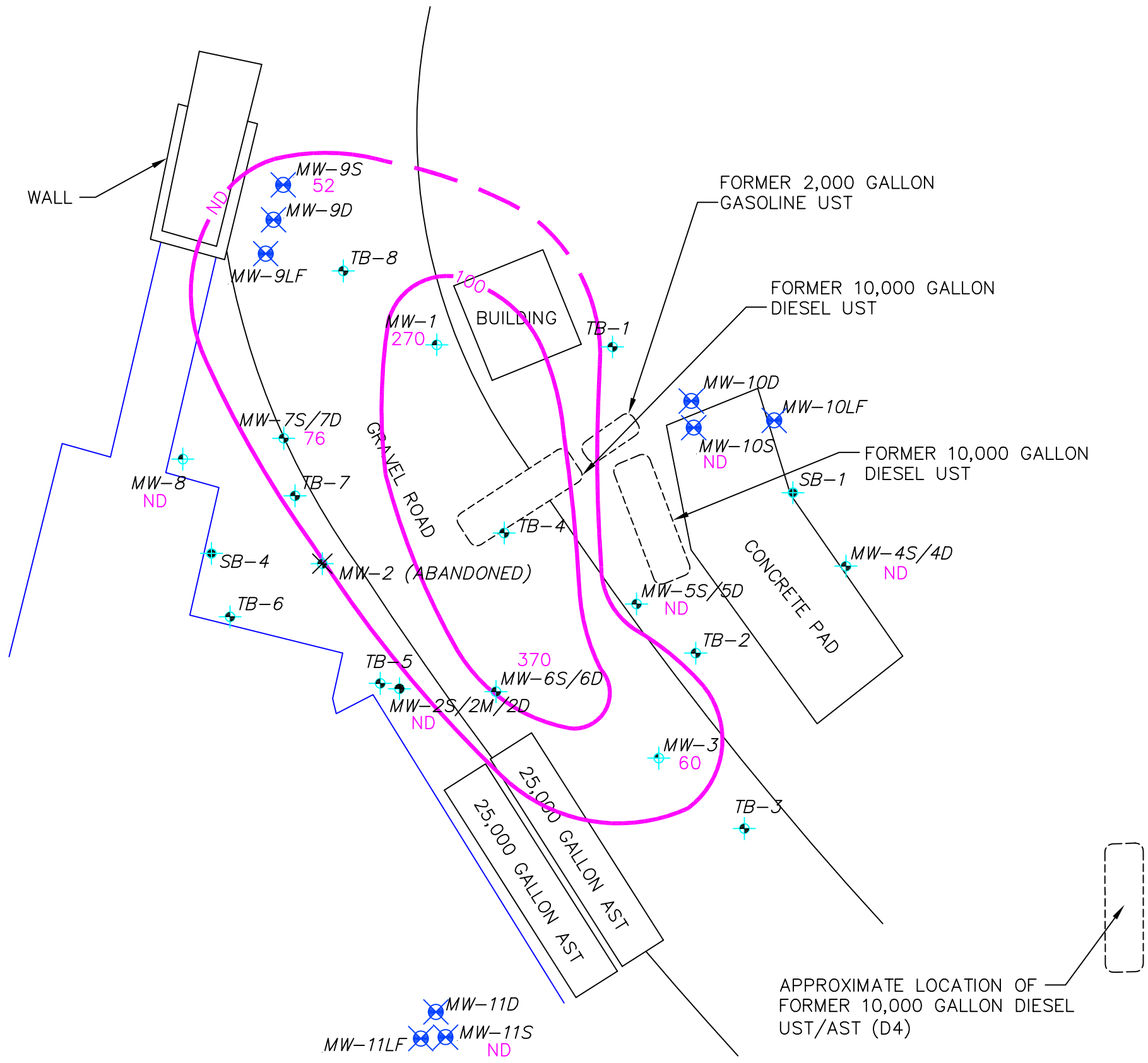
**GROUNDWATER CONTOUR MAP (LIVERMORE FORMATION)**

THIRD QUARTER 2007









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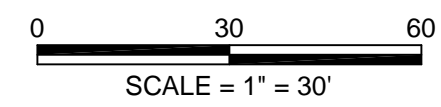
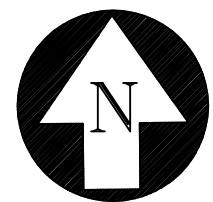
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FIGURE  
5



**EXPLANATION**

-  MW-9S NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
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-  SB-1 TEMPORARY SOIL BORING LOCATION
- AST= ABOVEGROUND STORAGE TANK
- UST= UNDERGROUND STORAGE TANK
-  100 TPHg CONTOUR (µg/L)
- ND NOT DETECTED ABOVE LABRATORY REPORTING LIMIT



MW-12LF  
 MW-12D  
 MW-12S  
 ND

MW-11D  
 MW-11S  
 MW-11LF  
 ND



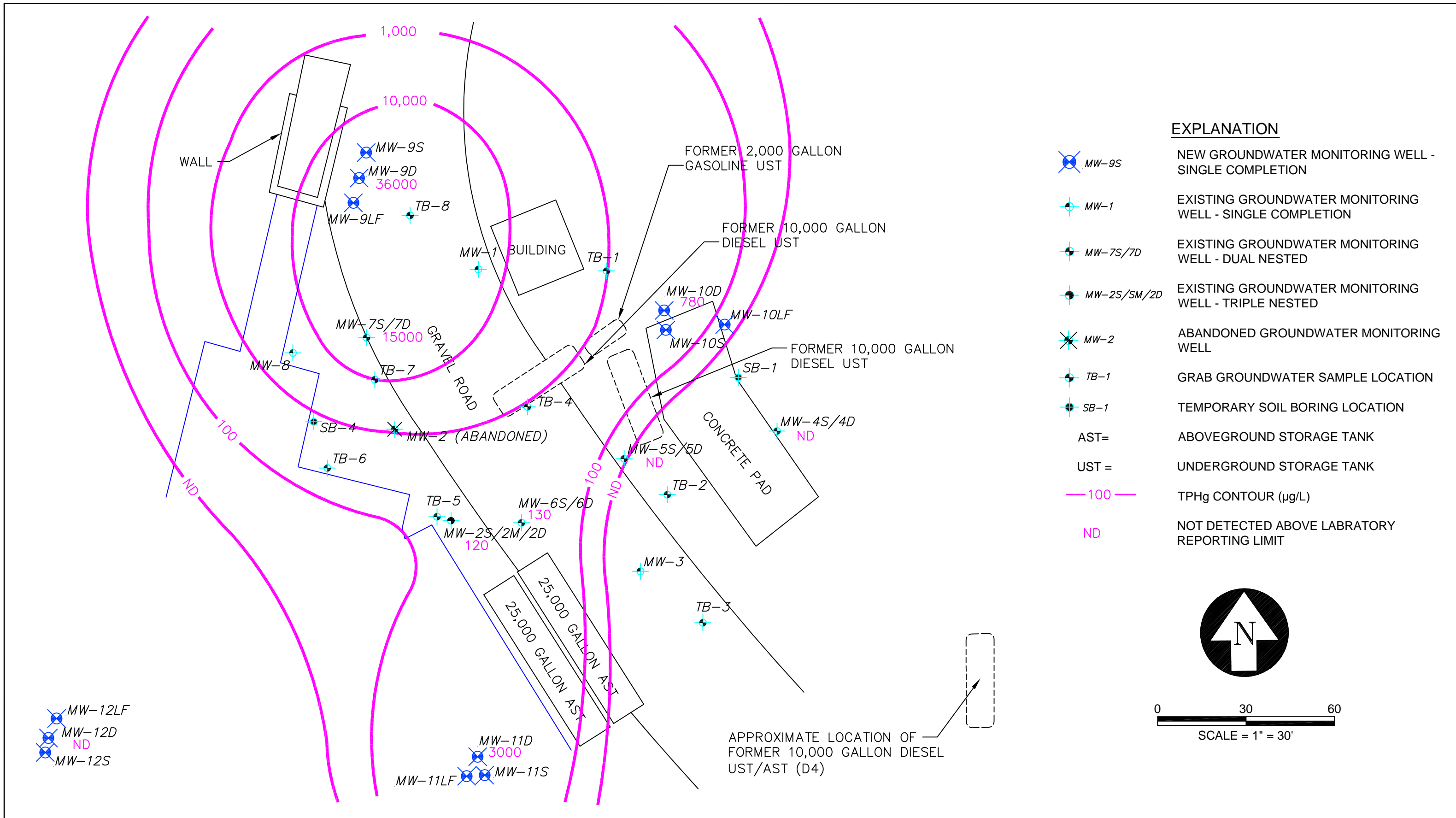
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**TPHg CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)**  
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FIGURE  
 6



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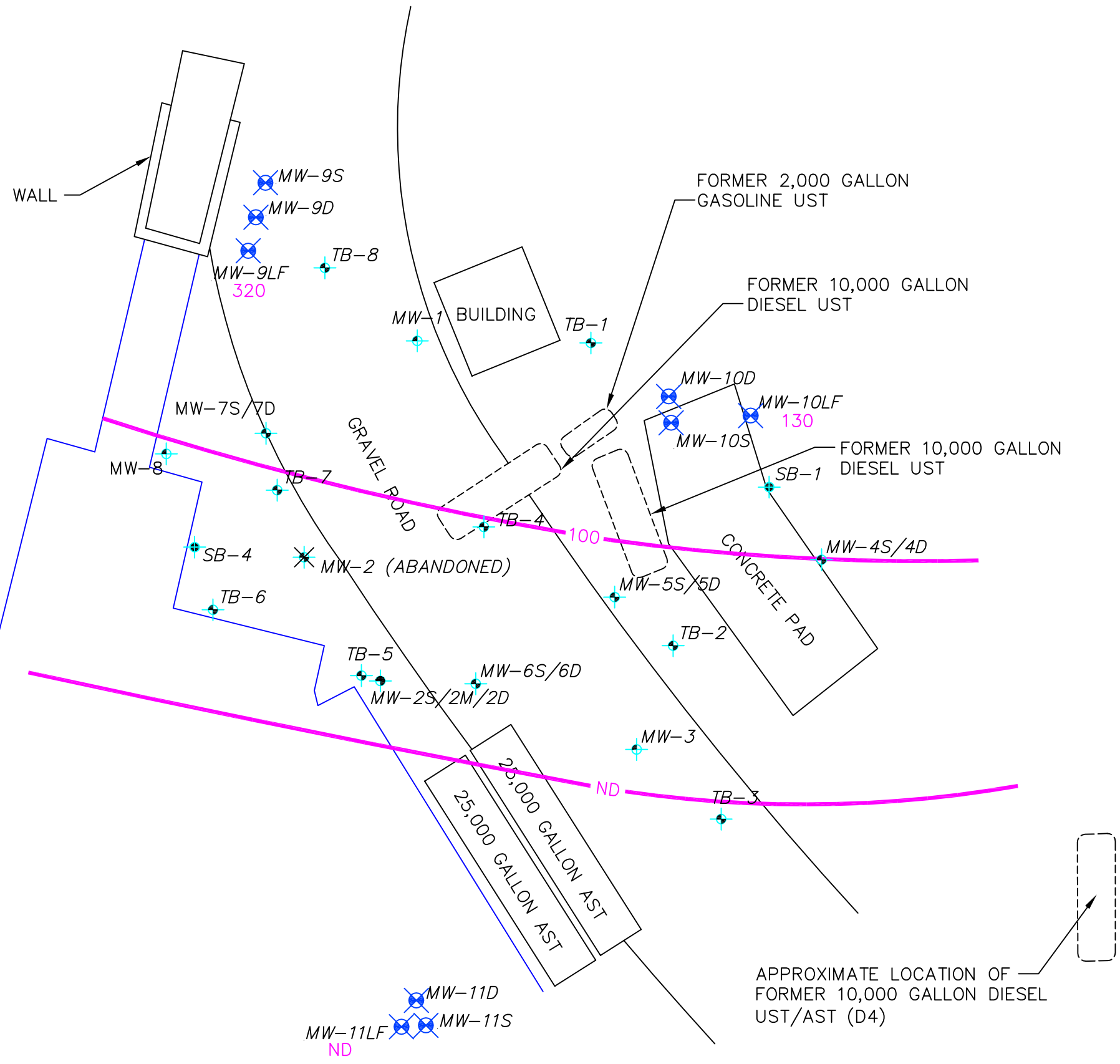
### TPHg CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)

THIRD QUARTER 2007









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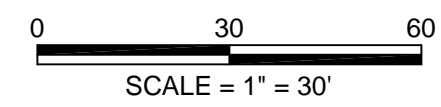
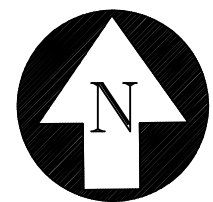
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FIGURE  
7



**EXPLANATION**

-  MW-9S NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
-  MW-1 EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
-  MW-7S/7D EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED
-  MW-2S/SM/2D EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED
-  MW-2 ABANDONED GROUNDWATER MONITORING WELL
-  TB-1 GRAB GROUNDWATER SAMPLE LOCATION
-  SB-1 TEMPORARY SOIL BORING LOCATION
- AST= ABOVEGROUND STORAGE TANK
- UST= UNDERGROUND STORAGE TANK
-  100 TPHg CONTOUR (µg/L)
- ND NOT DETECTED ABOVE LABRATORY REPORTING LIMIT

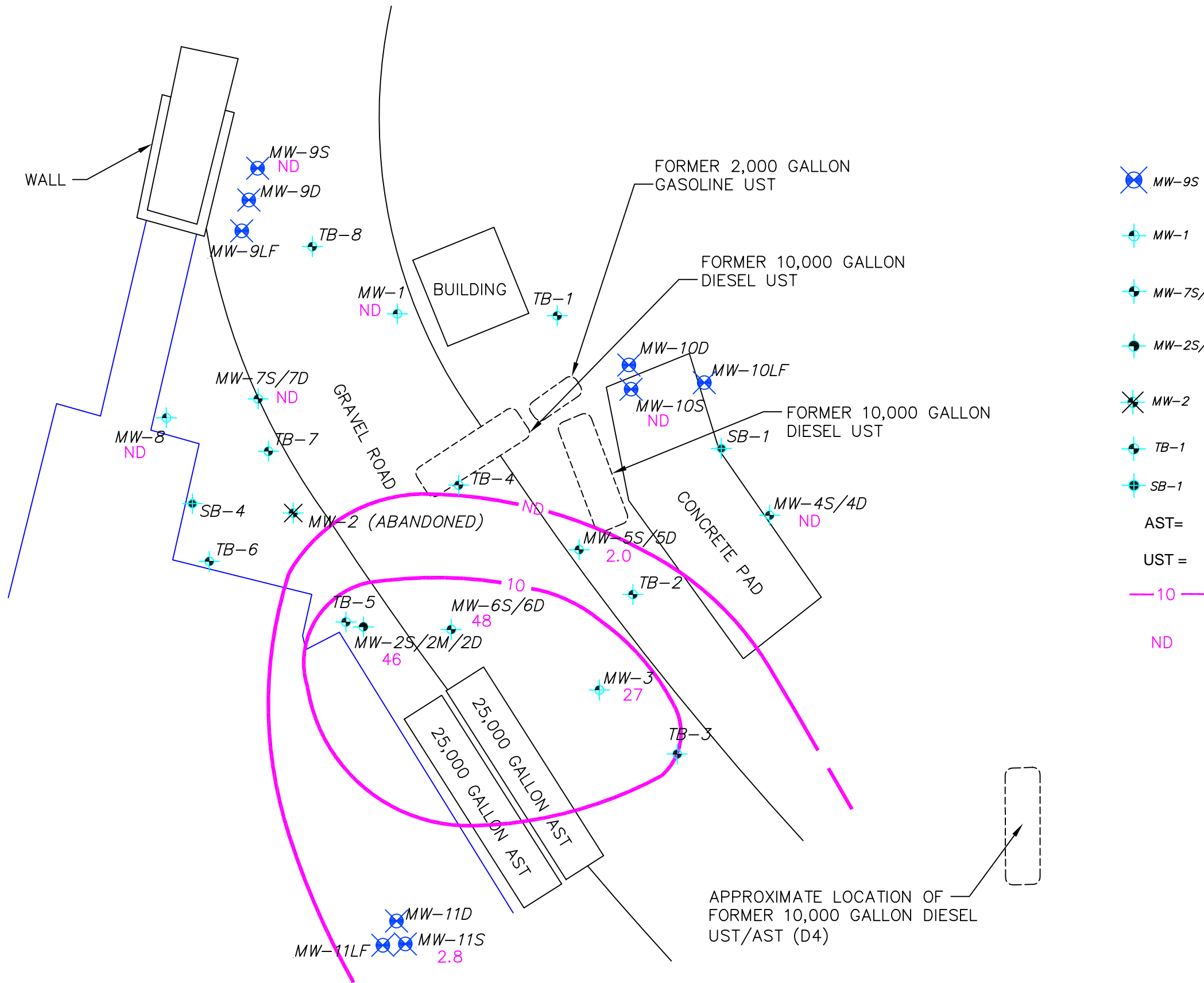


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**TPHg CONCENTRATIONS IN GROUNDWATER (LIVERMORE FORMATION)**  
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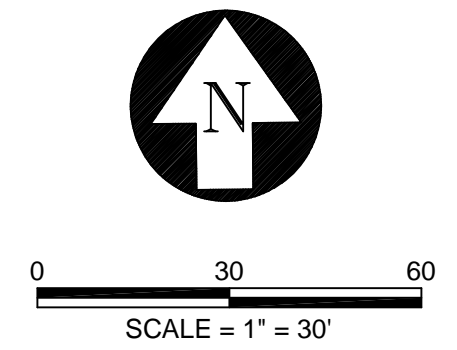
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FIGURE  
8



**EXPLANATION**

	MW-9S	NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
	MW-1	EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
	MW-7S/7D	EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED
	MW-2S/SM/2D	EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED
	MW-2	ABANDONED GROUNDWATER MONITORING WELL
	TB-1	GRAB GROUNDWATER SAMPLE LOCATION
	SB-1	TEMPORARY SOIL BORING LOCATION
	AST =	ABOVEGROUND STORAGE TANK
	UST =	UNDERGROUND STORAGE TANK
	10	MTBE CONTOUR (µg/L)
	ND	NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

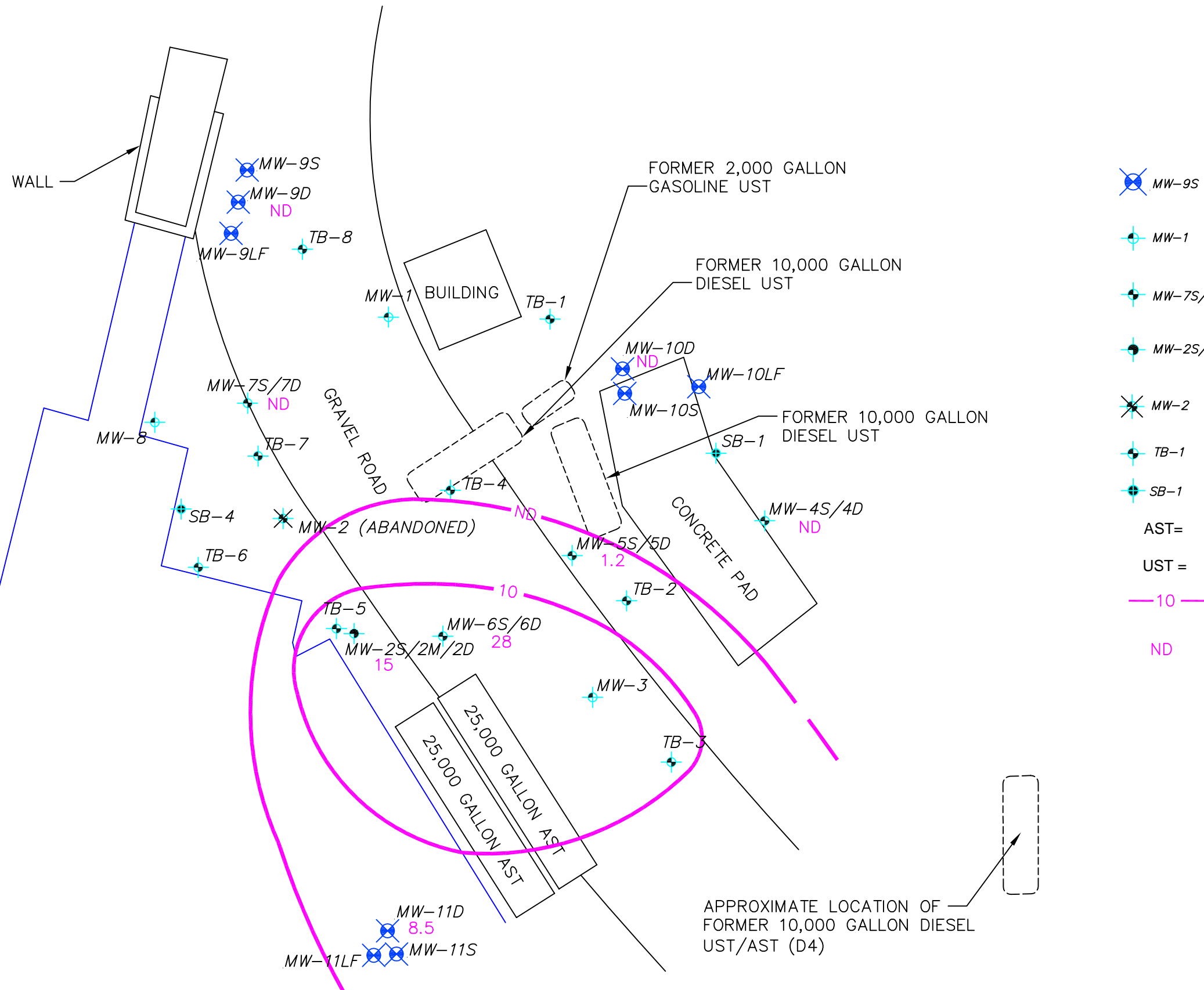


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**MTBE CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)**  
 THIRD QUARTER 2007  
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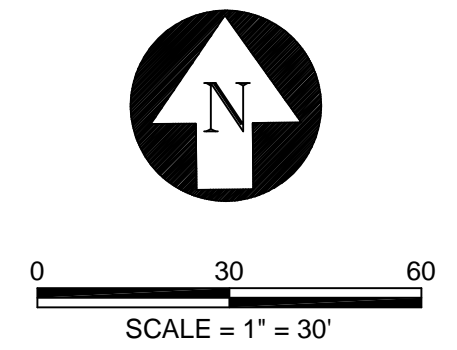
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FIGURE  
9



**EXPLANATION**

	MW-9S	NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
	MW-1	EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
	MW-7S/7D	EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED
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	10	MTBE CONTOUR (µg/L)
	ND	NOT DETECTED ABOVE LABRATORY REPORTING LIMIT



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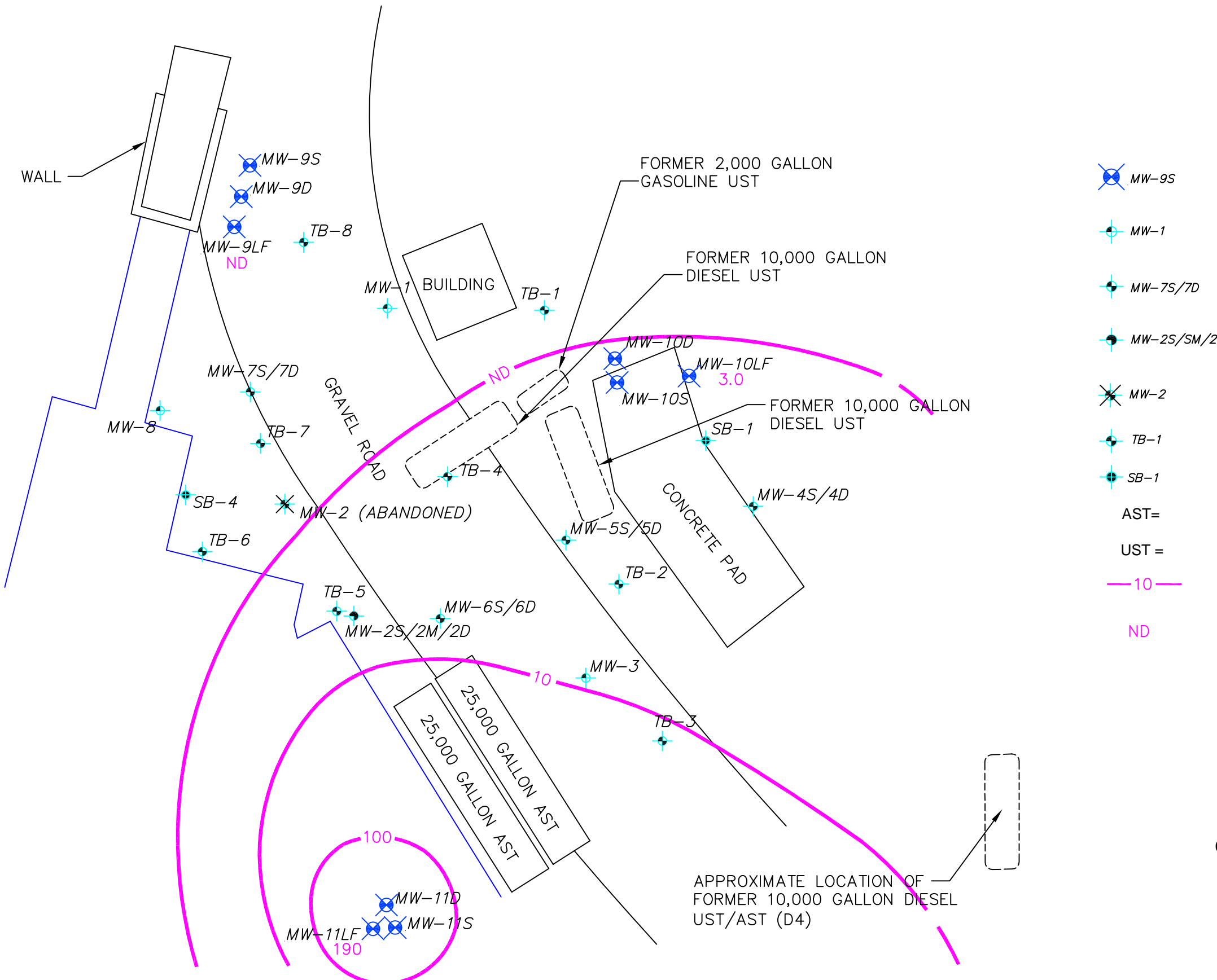
**MTBE CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)**

THIRD QUARTER 2007









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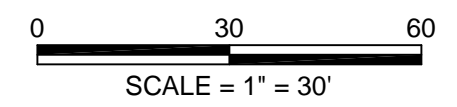
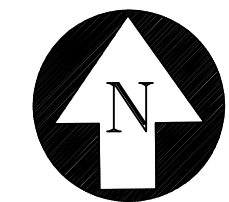
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FIGURE  
10



**EXPLANATION**

	MW-9S	NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
	MW-1	EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
	MW-7S/7D	EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED
	MW-2S/SM/2D	EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED
	MW-2	ABANDONED GROUNDWATER MONITORING WELL
	TB-1	GRAB GROUNDWATER SAMPLE LOCATION
	SB-1	TEMPORARY SOIL BORING LOCATION
	AST =	ABOVEGROUND STORAGE TANK
	UST =	UNDERGROUND STORAGE TANK
	10	MTBE CONTOUR (µg/L)
	ND	NOT DETECTED ABOVE LABORATORY REPORTING LIMIT



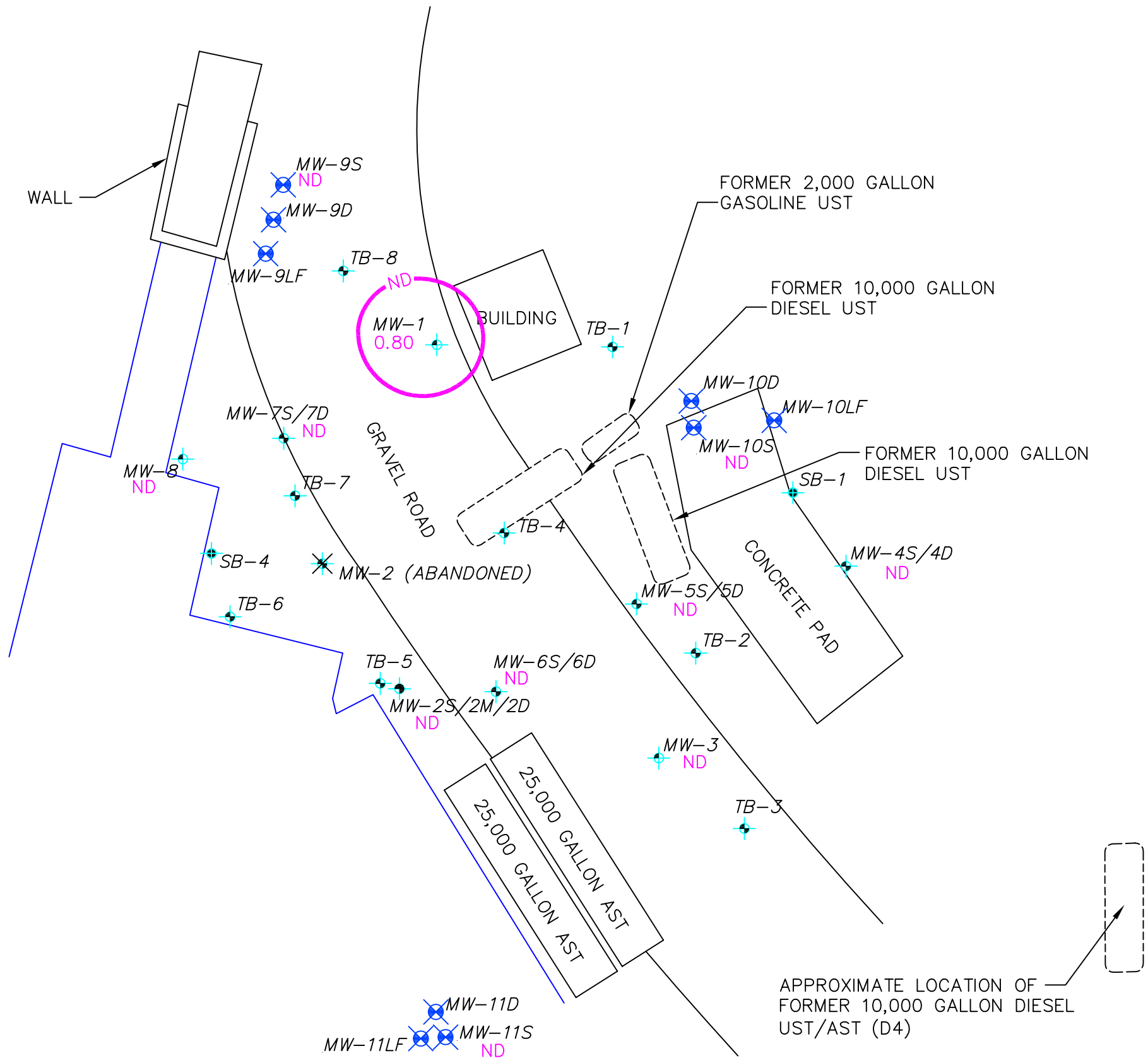
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**MTBE CONCENTRATIONS IN GROUNDWATER (LIVERMORE FORMATION)**  
 THIRD QUARTER 2007  
 HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)  
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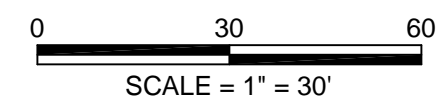
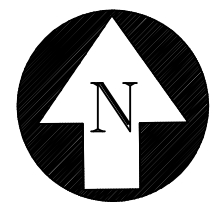
FIGURE  
11






**EXPLANATION**

-  MW-9S NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
-  MW-1 EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
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-  SB-1 TEMPORARY SOIL BORING LOCATION
- AST= ABOVEGROUND STORAGE TANK
- UST = UNDERGROUND STORAGE TANK
-  ND BENZENE CONTOUR (µg/L)
- ND NOT DETECTED ABOVE LABRATORY REPORTING LIMIT



-  MW-12LF
-  MW-12D
-  MW-12S
- ND



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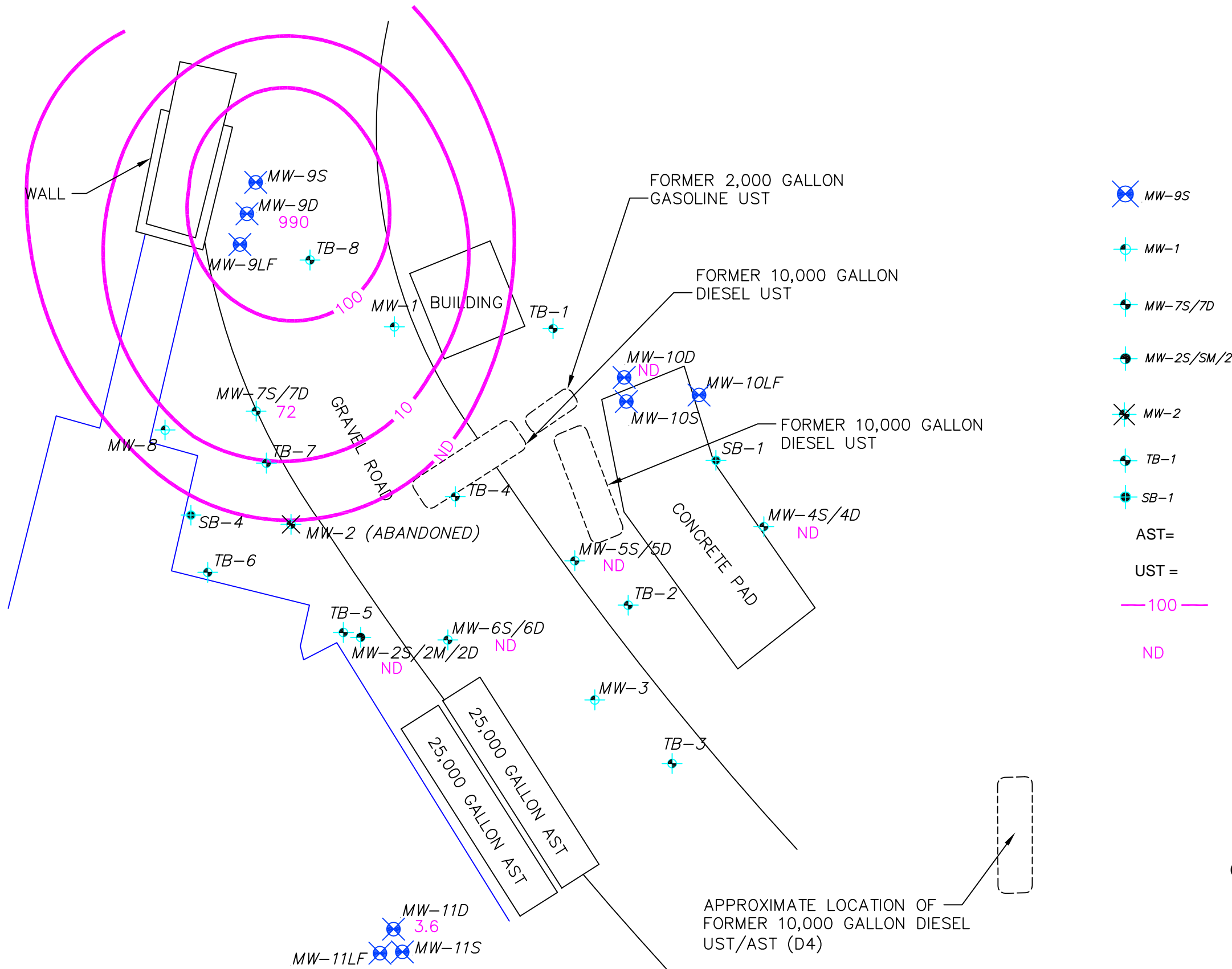
**BENZENE CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)**

THIRD QUARTER 2007

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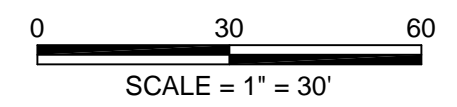
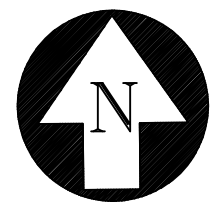
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FIGURE  
12



**EXPLANATION**

	MW-9S	NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
	MW-1	EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
	MW-7S/7D	EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED
	MW-2S/SM/2D	EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED
	MW-2	ABANDONED GROUNDWATER MONITORING WELL
	TB-1	GRAB GROUNDWATER SAMPLE LOCATION
	SB-1	TEMPORARY SOIL BORING LOCATION
	AST=	ABOVEGROUND STORAGE TANK
	UST =	UNDERGROUND STORAGE TANK
	100	BENZENE CONTOUR (µg/L)
	ND	NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

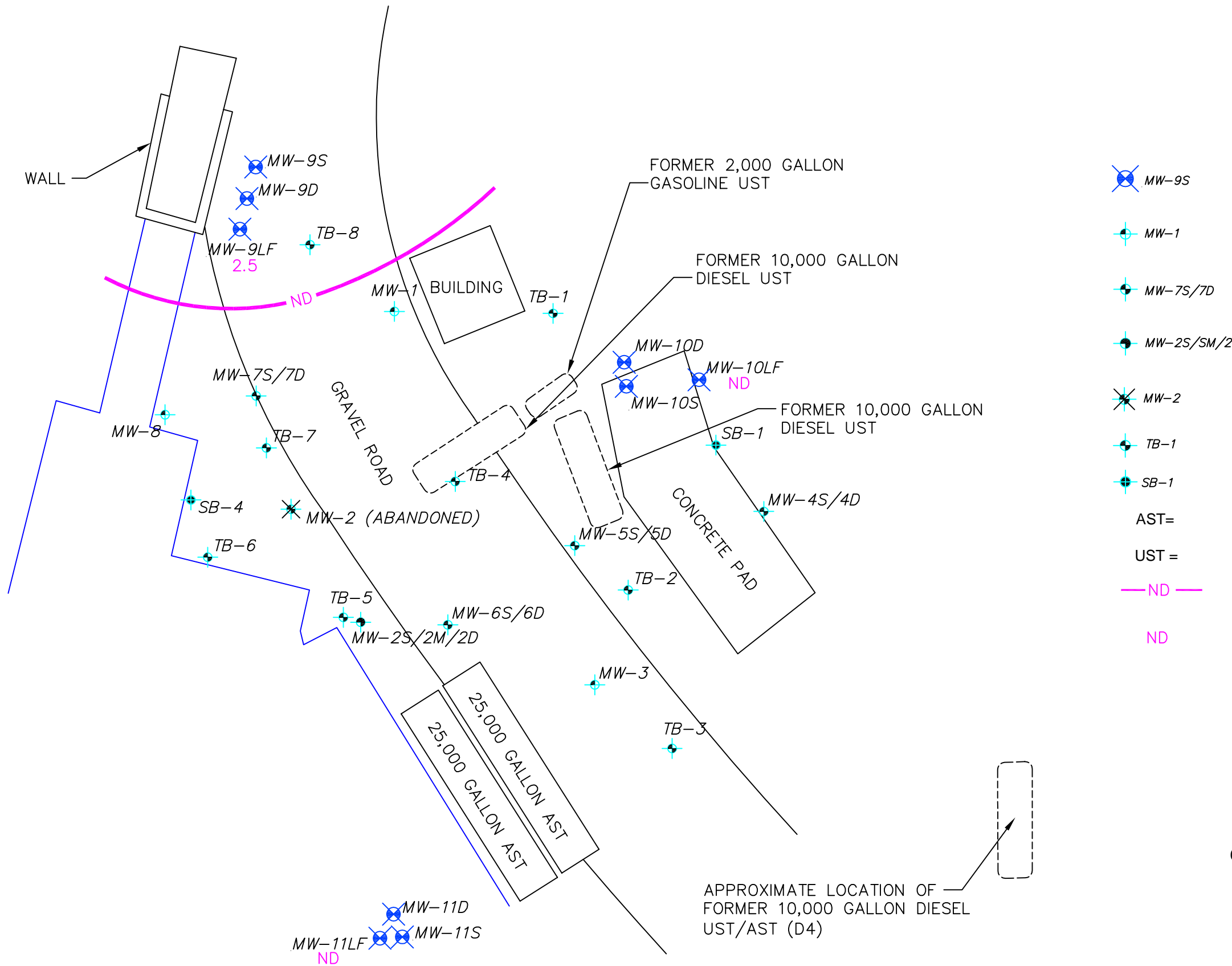


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



**BENZENE CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)**  
 THIRD QUARTER 2007  
 HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)  
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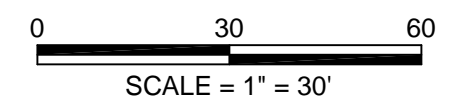
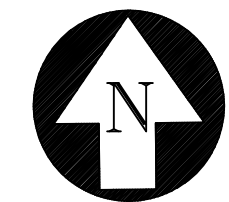
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FIGURE  
13



**EXPLANATION**

	MW-9S	NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION
	MW-1	EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
	MW-7S/7D	EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED
	MW-2S/SM/2D	EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED
	MW-2	ABANDONED GROUNDWATER MONITORING WELL
	TB-1	GRAB GROUNDWATER SAMPLE LOCATION
	SB-1	TEMPORARY SOIL BORING LOCATION
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	ND	BENZENE CONTOUR (µg/L)
	ND	NOT DETECTED ABOVE LABORATORY REPORTING LIMIT



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**BENZENE CONCENTRATIONS IN GROUNDWATER (LIVERMORE FORMATION)**  
 THIRD QUARTER 2007  
 HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)  
 7999 ATHENOUR WAY, SUNOL, CALIFORNIA

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DATE:	OCTOBER 2007

**FIGURE**  
 14

## **TABLES**

**Table 1**  
**Well Construction Details and Groundwater Elevation Data**  
**Third Quarter 2007**  
Mission Valley Rock Company  
Sunol, California

Well ID	Casing Diameter (inches)	Depth to Water (feet below TOC)	Total Depth (feet below TOC)	Screened Interval (feet bgs)	Measuring Point Elevation (feet MSL)	Groundwater Elevation (feet MSL)
MW-1	2	5.48	17.78	5.0 - 20.0	258.68	253.20
MW-2S	2	6.45	8.71	3.0-8.0	258.84	252.39
MW-2M	2	6.88	12.29	14.0-19.0	258.99	252.11
MW-2D	2	7.00	29.54	25.0-30.0	258.91	251.91
MW-3	2	7.47	14.70	5.0-20.0	259.08	251.61
MW-4S	2	4.77	8.35	3.0-8.0	259.14	254.37
MW-4D	2	7.54	23.38	17.0-22.0	259.22	251.68
MW-5S	2	6.49	8.24	3.0-8.0	259.43	252.94
MW-5D	2	6.76	22.65	17.0-22.0	259.40	252.64
MW-6S	2	6.32	15.00	5.0-15.0	258.75	252.43
MW-6D	2	7.46	29.15	24.5-29.5	259.27	251.81
MW-7S	2	5.76	8.48	5.0-8.0	258.84	253.08
MW-7D	2	6.59	23.61	20.0-25.0	258.80	252.21
MW-8	2	5.80	15.34	5.0-15.0	258.84	253.04
MW-9S	2	5.26	12.20	5.3-12.3	258.41	253.15
MW-9D	2	6.67	24.28	18.9-23.9	258.86	252.19
MW-9LF	2	7.00	39.11	33.3-38.3	258.94	251.94
MW-10S	2	4.94	9.58	4.8-9.8	260.67	255.73
MW-10D	2	8.50	19.38	15.5-20.5	260.64	252.14
MW-10LF	2	9.24	39.90	34.4-39.4	260.58	251.34
MW-11S	2	7.10	9.43	4.8-9.8	258.96	251.86
MW-11D	2	8.08	20.50	15.3-20.3	258.98	250.90
MW-11LF	2	7.70	39.41	32.8-37.8	259.01	251.31
MW-12S	2	9.54	11.04	4.6-11.6	262.69	253.15
MW-12D	2	9.45	19.70	16.0-21.0	262.70	253.25
MW-12LF	2	9.71	39.50	33.7-38.7	262.90	253.19

**Notes:**

Screened intervals are approximated. Screened interval in wells is lower than the measured total depth due to silting in the bottom of wells.

The measurement point for the above wells is the north side of the top of casing.

Depth to water and total depth measurements taken by Tait Environmental Management, Inc. personnel on September 11, 2007.

Total depth and depth to water measurements taken by Tait Environmental Management from designated measurement point.

Groundwater Elevation = Measurement Point Elevation - Depth to Water.

TOC = Top of Casing

bgs = Below Ground Surface

MSL = Mean Sea Level

**Table 2**  
**Historical Groundwater Gauging Data**  
Mission Valley Rock Company  
Sunol, California

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
MW-1	256.51	06/23/98	1.32	255.19	ND
		01/05/99	2.28	254.23	ND
		03/29/99	1.88	254.63	ND
		06/10/99	3.35	253.16	ND
		09/17/99	3.66	252.85	ND
		12/27/99	2.94	253.57	ND
		03/22/00	2.72	253.79	Odor
		06/30/00	4.01	252.50	Slight Odor
		09/14/00	5.11	251.40	Slight Odor
		12/20/00	4.95	251.56	ND
		03/22/01	2.28	254.23	ND
		06/27/01	3.60	252.91	ND
		09/21/01	6.50	250.01	ND
		12/27/01	1.29	255.22	ND
		03/29/02	2.91	253.60	ND
		06/13/02	3.95	252.56	ND
		09/27/02	5.18	251.33	ND
		12/03/02	3.90	252.61	ND
		03/31/03	1.40	255.11	ND
		06/27/03	2.65	253.86	ND
	09/19/03	4.67	251.84	ND	
	12/22/03	4.60	251.91	ND	
	258.68	01/17/05	3.41	255.27	ND
		05/04/05	1.20	257.48	ND
		08/12/05	4.52	254.16	ND
		12/12/05	6.44	252.24	ND
03/02/06		0.71	257.97	ND	
06/12/06		2.47	256.21	ND	
09/05/06		6.13	252.55	ND	
12/04/06		5.42	253.26	ND	
02/26/07		2.46	256.22	ND	
06/11/07		4.10	254.58	ND	
09/11/07	5.48	253.20	ND		
MW-2	256.7	06/23/98	1.72	254.98	0.005
		01/05/99	2.69	254.01	4.00
		03/29/99	2.50	254.20	ND
		06/10/99	4.00	252.70	Sheen
		09/17/99	4.54	252.16	0.50
		12/27/99	3.85	252.85	0.13
		03/22/00	3.20	253.50	0.03
		06/30/00	4.62	252.08	0.02
		09/14/00	5.95	250.75	>0.01
		12/20/00	5.65	251.05	0.07
		03/22/01	3.21	253.49	0.10
		06/27/01	3.31	253.39	0.06
		09/21/01	7.08	249.62	0.34
		12/27/01	2.18	254.52	0.26
		03/29/02	3.40	253.30	0.90
		06/13/02	4.35	252.35	0.08
		09/27/02	5.54	251.16	ND
		12/03/02	4.30	252.40	ND
		03/31/03	1.78	254.92	ND
		06/27/03	3.10	253.60	ND

**Table 2**  
**Historical Groundwater Gauging Data**  
Mission Valley Rock Company  
Sunol, California

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
		09/19/03	5.02	251.68	ND

**Table 2**  
**Historical Groundwater Gauging Data**  
Mission Valley Rock Company  
Sunol, California

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
<b>MW-2</b>	256.7	12/22/03	NM	NM	ND
		01/05/05	Abandoned		
<b>MW-2S</b>	258.84	01/17/05	4.25	254.59	ND
		05/04/05	1.98	256.86	ND
		08/12/05	5.46	253.38	ND
		12/12/05	7.38	251.46	ND
		03/02/06	2.24	256.60	ND
		06/12/06	3.08	255.76	ND
		09/05/06	7.01	251.83	ND
		12/04/06	6.40	252.44	ND
		02/26/07	3.52	255.32	ND
		06/11/07	4.93	253.91	ND
<b>MW-2M</b>	258.99	09/11/07	6.45	252.39	ND
		01/17/05	4.68	254.31	ND
		05/04/05	2.32	256.67	ND
		08/12/05	5.77	253.22	ND
		12/12/05	7.78	251.21	ND
		03/02/06	2.10	256.89	ND
		06/12/06	3.39	255.60	ND
		09/05/06	7.36	251.63	ND
		12/04/06	6.89	252.10	ND
		02/26/07	3.79	255.20	ND
<b>MW-2D</b>	258.91	06/11/07	5.30	253.69	ND
		09/11/07	6.88	252.11	ND
		01/17/05	4.75	254.16	ND
		05/04/05	2.38	256.53	ND
		08/12/05	5.90	253.01	ND
		12/12/05	7.85	251.06	ND
		03/02/06	2.16	256.75	ND
		06/12/06	3.48	255.43	ND
		09/05/06	7.44	251.47	ND
		12/04/06	6.94	251.97	ND
<b>MW-3</b>	256.72	02/26/07	3.89	255.02	ND
		06/11/07	5.45	253.46	ND
		09/11/07	7.00	251.91	ND
		06/23/98	2.66	254.06	ND
		01/05/99	4.47	252.25	Slight Odor
		03/29/99	3.96	252.76	Sheen
		06/10/99	5.54	251.18	ND
		09/17/99	6.18	250.54	Sheen
		12/27/99	5.52	251.20	Odor
		03/22/00	4.61	252.11	Odor
		06/30/00	6.35	250.37	Very Slight Odor
		09/14/00	7.30	249.42	Very Slight Odor
		12/20/00	7.29	249.43	ND
		03/22/01	4.73	251.99	ND
		06/27/01	NM	NM	NM
		09/21/01	7.89	248.83	ND
12/27/01	3.77	252.95	ND		
03/29/02	5.12	251.60	ND		
06/13/02	6.52	250.20	ND		
09/27/02	7.28	249.44	ND		
12/03/02	6.40	250.32	ND		



**Table 2**  
**Historical Groundwater Gauging Data**  
Mission Valley Rock Company  
Sunol, California

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
MW-3	256.72	03/31/03	4.01	252.71	ND
		06/27/03	5.13	251.59	ND
		09/19/03	5.13	251.59	ND
		12/22/03	7.20	249.52	ND
	259.08	01/17/05	5.81	253.27	ND
		05/04/05	3.50	255.58	ND
		08/12/05	6.01	253.07	ND
		12/12/05	8.45	250.63	ND
		03/02/06	3.42	255.66	ND
		06/12/06	4.15	254.93	ND
		09/05/06	7.97	251.11	ND
		12/04/06	7.30	251.78	ND
		02/26/07	4.62	254.46	ND
		06/11/07	6.11	252.97	ND
09/11/07	7.47	251.61	ND		
MW-4S	259.14	01/17/05	4.62	254.52	ND
		05/04/05	3.73	255.41	ND
		08/12/05	3.45	255.69	ND
		12/12/05	5.48	253.66	ND
		03/02/06	3.10	256.04	ND
		06/12/06	4.10	255.04	ND
		09/05/06	3.90	255.24	ND
		12/04/06	4.05	255.09	ND
		02/26/07	3.40	255.74	ND
		06/11/07	4.75	254.39	ND
MW-4D	259.22	09/10/07	4.77	254.37	ND
		01/17/05	5.96	253.26	ND
		05/04/05	3.93	255.29	ND
		08/12/05	5.60	253.62	ND
		12/12/05	8.50	250.72	ND
		03/02/06	3.63	255.59	ND
		06/12/06	4.51	254.71	ND
		09/05/06	8.18	251.04	ND
		12/04/06	7.95	251.27	ND
		02/26/07	4.49	254.73	ND
MW-5S	259.43	06/11/07	6.25	252.97	ND
		09/10/07	7.54	251.68	ND
		01/17/05	4.57	254.86	ND
		05/04/05	2.50	256.93	ND
		08/12/05	5.30	254.13	ND
		12/12/05	7.68	251.75	ND
		03/02/06	1.42	258.01	ND
		06/12/06	3.73	255.70	ND
		09/05/06	7.02	252.41	ND
		12/04/06	6.31	253.12	ND
MW-5D	259.40	02/26/07	3.06	256.37	ND
		06/11/07	5.10	254.33	ND
		09/10/07	6.49	252.94	ND
		01/17/05	5.15	254.25	ND
		05/04/05	2.75	256.65	ND
		08/12/05	5.60	253.80	ND
		12/12/05	7.92	251.48	ND
		03/02/06	1.98	257.42	ND

**Table 2**  
**Historical Groundwater Gauging Data**  
Mission Valley Rock Company  
Sunol, California

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
MW-5D	259.40	06/12/06	3.64	255.76	ND
		09/05/06	7.30	252.10	ND
		12/04/06	6.69	252.71	ND
		02/26/07	3.56	255.84	ND
		06/11/07	5.39	254.01	ND
		09/11/07	6.76	252.64	ND
MW-6S	258.75	01/17/05	4.30	254.45	ND
		05/04/05	1.96	256.79	ND
		08/12/05	5.17	253.58	ND
		12/12/05	7.48	251.27	ND
		03/02/06	1.95	256.80	ND
		06/12/06	3.10	255.65	ND
		09/05/06	6.94	251.81	ND
		12/04/06	6.30	252.45	ND
		02/26/07	3.44	255.31	ND
		06/11/07	4.80	253.95	ND
MW-6D	259.27	09/11/07	6.32	252.43	ND
		01/17/05	5.17	254.10	ND
		05/04/05	2.80	256.47	ND
		08/12/05	6.30	252.97	ND
		12/12/05	8.32	250.95	ND
		03/02/06	2.70	256.57	ND
		06/12/06	4.05	255.22	ND
		09/05/06	7.90	251.37	ND
		12/04/06	7.37	251.90	ND
		02/26/07	4.35	254.92	ND
MW-7S	258.82	06/11/07	5.93	253.34	ND
		09/11/07	7.46	251.81	Odor
		01/17/05	3.42	255.40	ND
		05/04/05	1.44	257.38	ND
		08/12/05	4.80	254.02	ND
	258.84	12/12/05	6.64	252.18	ND
		03/02/06	0.95	257.87	ND
		06/12/06	2.55	256.29	ND
		09/05/06	6.30	252.54	ND
		12/04/06	5.60	253.24	ND
MW-7D	258.07	02/26/07	2.61	256.23	ND
		06/11/07	4.32	254.52	ND
		09/10/07	5.76	253.08	ND
		01/17/05	5.50	252.57	ND
		05/04/05	1.45	256.62	ND
	258.80	08/12/05	4.70	253.37	ND
		12/12/05	7.40	250.67	ND
		03/02/06	5.10	252.97	Gasoline odor
		06/12/06	3.66	255.14	Gasoline odor
		09/05/06	7.19	251.61	ND
MW-R	258.84	12/04/06	6.64	252.16	ND
		02/26/07	3.65	255.15	ND
		06/11/07	4.95	253.85	ND
		09/11/07	6.59	252.21	Odor
MW-R	258.84	01/17/05	3.45	255.39	ND
		05/04/05	1.25	257.59	ND
		08/12/05	4.92	253.92	ND

**Table 2**  
**Historical Groundwater Gauging Data**  
Mission Valley Rock Company  
Sunol, California

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
MW-8	258.84	12/12/05	6.67	252.17	ND
		03/02/06	0.78	258.06	ND
		06/12/06	2.44	256.40	ND
		09/05/06	6.45	252.39	ND
		12/04/06	5.80	253.04	ND
		02/26/07	2.68	256.16	ND
		06/11/07	4.32	254.52	ND
		09/10/07	5.80	253.04	ND
MW-9S	258.41	06/12/06	2.14	256.27	ND
		09/05/06	5.92	252.49	ND
		12/04/06	5.21	253.20	ND
		02/26/07	3.28	255.13	ND
		06/11/07	3.70	254.71	ND
		09/11/07	5.26	253.15	ND
MW-9D	258.86	06/12/06	3.16	255.70	ND
		09/05/06	7.12	251.74	ND
		12/04/06	6.58	252.28	ND
		02/26/07	3.52	255.34	Sheen
		06/11/07	5.19	253.67	Sheen
		09/11/07	6.67	252.19	Odor
MW-9LF	258.94	06/12/06	3.46	255.48	ND
		09/05/06	7.37	251.57	ND
		12/04/06	6.85	252.09	ND
		02/26/07	3.79	255.15	ND
		06/11/07	8.94	250.00	ND
		09/11/07	7.00	251.94	ND
MW-10S	260.67	06/12/06	5.00	255.67	ND
		09/05/06	5.62	255.05	ND
		12/04/06	5.04	255.63	ND
		02/26/07	3.88	256.79	ND
		06/11/07	4.84	255.83	ND
		09/11/07	4.94	255.73	ND
MW-10D	260.64	06/12/06	5.42	255.22	ND
		09/05/06	8.92	251.72	ND
		12/04/06	8.18	252.46	ND
		02/26/07	5.40	255.24	ND
		06/11/07	7.13	253.51	ND
		09/11/07	8.50	252.14	ND
MW-10LF	260.58	06/12/06	5.99	254.59	ND
		09/05/06	9.65	250.93	ND
		12/04/06	9.02	251.56	ND
		02/26/07	6.23	254.35	ND
		06/11/07	7.86	252.72	ND
		09/11/07	9.24	251.34	ND
MW-11S	258.96	06/12/06	3.69	255.27	ND
		09/05/06	7.69	251.27	ND
		12/04/06	7.28	251.68	ND
		02/26/07	4.20	254.76	ND
		06/11/07	5.72	253.24	ND
		09/11/07	7.10	251.86	ND
MW-11D	258.98	06/12/06	3.70	255.28	ND
		09/05/06	8.50	250.48	ND
		12/04/06	7.65	251.33	ND

**Table 2**  
**Historical Groundwater Gauging Data**  
 Mission Valley Rock Company  
 Sunol, California

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
MW-11B	250.90	02/26/07	4.48	254.50	Sheen
		06/11/07	6.14	252.84	Sheen
		09/12/07	8.08	250.90	Sheen

**Table 2**  
**Historical Groundwater Gauging Data**  
Mission Valley Rock Company  
Sunol, California

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
MW-11LF	259.01	06/12/06	3.90	255.11	ND
		09/05/06	7.84	251.17	ND
		12/04/06	7.75	251.26	ND
		02/26/07	4.69	254.32	ND
		06/11/07	6.15	252.86	ND
		09/10/07	7.70	251.31	ND
MW-12S	262.69	06/12/06	5.77	256.92	ND
		09/05/06	10.51	252.18	ND
		12/04/06	10.00	252.69	ND
		02/26/07	6.45	256.24	ND
		06/11/07	7.95	254.74	ND
		09/10/07	9.54	253.15	ND
MW-12D	262.70	06/12/06	5.69	257.01	ND
		09/05/06	10.40	252.30	ND
		12/04/06	9.94	252.76	ND
		02/26/07	6.47	256.23	ND
		06/11/07	7.96	254.74	ND
		09/11/07	9.45	253.25	ND
MW-12LF	262.90	06/12/06	5.92	256.98	ND
		09/05/06	10.69	252.21	ND
		12/04/06	10.25	252.65	ND
		02/26/07	6.65	256.25	ND
		06/11/07	8.10	254.80	ND
		09/11/07	9.71	253.19	ND

**Notes:**

Depth to water and liquid phase hydrocarbon (LPH) thickness reported in feet below measurement point.

Groundwater elevations reported in feet above mean sea level (msl).

Adjusted groundwater elevation = Measurement Point Elevation - Depth to Water + (LPH Thickness x 0.75)

ND = Not Detected

TOC = Top of Casing

MSL = Mean Sea Level

LPH = Liquid-Phase Hydrocarbon

**Table 3**  
**Groundwater Analytical Results**  
**Third Quarter 2007**  
Mission Valley Rock Company  
Sunol, California

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Tert-amyl methyl ether TAME (ug/L)	Tert-butyl alcohol (ug/L)	MTBE (ug/L)
MW-1	09/11/07	ND<500	<b>270</b>	<b>0.80</b>	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-2S	09/11/07	<b>17000</b>	ND<50	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<10	ND<50	<b>46</b>
MW-2M	09/11/07	<b>4900</b>	<b>220</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>14</b>
MW-2D	09/11/07	<b>4600</b>	<b>120</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>15</b>
MW-3	09/11/07	ND<500	<b>60</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>27</b>
MW-4S	09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-4D	09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-5S	09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>2.0</b>
MW-5D	09/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>1.2</b>
MW-6S	09/11/07	<b>930</b>	<b>370</b>	ND<0.5	ND<0.5	<b>1.3</b>	ND<1.0	ND<2.0	ND<10	<b>48</b>
MW-6D	09/12/07	ND<500	<b>130</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>28</b>
MW-7S	09/10/07	ND<500	<b>76</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-7D	09/12/07	<b>3500</b>	<b>15000</b>	<b>72</b>	<b>340</b>	<b>1300</b>	<b>1940</b>	ND<2.0	ND<10	ND<1.0
MW-8	09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-9S	09/11/07	ND<500	<b>52</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-9D	09/12/07	<b>4400</b>	<b>36000</b>	<b>990</b>	<b>5700</b>	<b>2800</b>	<b>4600</b>	ND<2.0	<b>30</b>	ND<1.0
MW-9LF	09/11/07	ND<500	<b>320</b>	<b>2.5</b>	<b>0.59</b>	ND<0.5	<b>1.94</b>	ND<2.0	ND<10	ND<1.0
MW-10S	09/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-10D	09/11/07	ND<500	<b>780</b>	ND<0.5	ND<0.5	<b>1.7</b>	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-10LF	09/11/07	ND<500	<b>130</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>3.0</b>
MW-11S	09/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>2.8</b>

**Table 3**  
**Groundwater Analytical Results**  
**Third Quarter 2007**  
Mission Valley Rock Company  
Sunol, California

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Tert-amyl methyl ether TAME (ug/L)	Tert-butyl alcohol (ug/L)	MTBE (ug/L)
<b>MW-11D</b>	09/12/07	<b>21000</b>	<b>3000</b>	<b>3.6</b>	<b>4.0</b>	<b>7.9</b>	<b>22</b>	ND<2.0	ND<10	<b>8.5</b>
<b>MW-11LF</b>	09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	<b>13</b>	<b>190</b>
<b>MW-12S</b>	09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
<b>MW-12D</b>	09/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
<b>MW-12LF</b>	09/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0

**Notes:**

Analyses for Total Petroleum Hydrocarbons as Gasoline and Diesel (TPHg and TPHd, respectively) were performed using EPA Method No. 8015M.

Analyses for benzene, toluene, ethylbenzene, total xylenes, methyl-tert-butyl ether (MTBE), Tert-amyl methyl ether (TAME), and Tert-butyl alcohol (TBA) were performed using EPA Method No. 8260B. Di-isopropyl ether (DIPE), and Ethyl tert-butyl ether (ETBE) were not detected above laboratory detection limits.

Total xylene concentrations were determined by adding m,p-xylene and o-xylene from laboratory report.

ug/L = Micrograms per Liter

ND = Non-detect at or above corresponding laboratory reporting limit.

**Table 4**  
**Historical Groundwater Analytical Results**  
 Mission Valley Rock Company  
 Sunol, California

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TAME (ug/L)	TBA (ug/L)	MTBE (ug/L)
MW-1	06/23/98	0.1	3,100	19	2.3	91	48	ND<2.0	ND<10	110
	10/01/98	0.1	2,300	3.1	4.2	5.0	15	ND<2.0	ND<10	ND<0.5
	01/05/99	350	ND<50	12	7.5	20	6.2	ND<2.0	ND<10	ND<5.0
	03/29/99	190	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	06/10/99	210	1,800	1.2	0.9	1.5	4.6	ND<2.0	ND<10	ND<0.5
	09/17/99	62	180	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	12/27/99	290	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	03/22/00	86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	06/30/00	70	450	2.1	ND<0.5	2.1	1.4	ND<2.0	ND<10	7.6
	09/14/00	ND<50	850	5.4	ND<0.5	9.4	2.6	ND<2.0	ND<10	9.8
	12/20/00	ND<1,000	370	5.3	ND<1.0	2.7	ND<3.0	ND<2.0	ND<10	55
	03/22/01	ND<1,000	700	ND<1.0	ND<1.0	1.4	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/27/01	ND<1,000	170	ND<1.0	ND<1.0	1.2	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/21/01	ND<1,000	730	1.4	ND<1.0	7.6	1.2	ND<2.0	ND<10	ND<1.0
	12/27/01	1000	500	15	ND<1.0	27	5.5	ND<2.0	ND<10	ND<1.0
	03/29/02	12000	29000	50	ND<25	960	290	ND<2.0	ND<10	ND<25
	06/13/02	ND<1,000	1400	3.5	ND<1.0	42	7.9	ND<2.0	ND<10	ND<1.0
	09/27/02	1400	760	ND<1.0	ND<1.0	4.3	1.1	ND<2.0	ND<10	ND<1.0
	12/03/02	ND<1,000	1600	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	ND<1.0
	03/31/03	ND<1,000	620	1.2	ND<1.0	12	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/27/03	ND<1,000	0.61	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/19/03	ND<1,000	1.2	ND<1.0	ND<1.0	6.4	ND<1.0	ND<2.0	ND<10	ND<1.0
	12/22/03	ND<1,000	0.49	ND<1.0	ND<1.0	3	ND<1.0	ND<2.0	ND<10	ND<1.0
	01/17/05	ND<50	63	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0
	05/04/05	ND<50	1200	ND<0.5	ND<0.5	8.5	1.2	ND<2.0	ND<10	ND<1.0
	08/12/05	ND<50	410	ND<0.5	ND<0.5	2.4	ND<0.5	ND<2.0	ND<10	ND<1.0
12/13/05	ND<50	750	3.8	ND<0.5	4.2	ND<1.0	ND<2.0	ND<10	ND<1.0	
03/03/06	ND<50	310	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
06/13/06	ND<50	96	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
09/06/06	ND<50	920	ND<0.5	ND<0.5	5.3	ND<1.0	ND<2.0	ND<10	ND<1.0	
12/05/06	ND<50	1200	1.4	ND<0.5	1.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
02/27/07	ND<500	430	1.1	ND<0.5	7.9	ND<1.0	ND<2.0	ND<10	ND<1.0	
06/12/07	ND<500	370	0.9	ND<0.5	17	ND<1.0	ND<2.0	ND<10	ND<1.0	
09/11/07	ND<500	270	0.80	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
MW-2	06/23/98	12,000	2,500	0.68	ND<0.50	1.2	0.57	ND<2.0	ND<10	14
	10/01/98	4,300	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	01/05/99	38,000	ND<5,000	ND<50	ND<50	51	190	ND<2.0	ND<10	ND<500
	03/29/99	580	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	06/10/99	4,500	24,000	38	27	41	98	ND<2.0	ND<10	ND<0.5
	09/17/99	24,000	1,400	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	27
	12/27/99	2,300	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	03/22/00	620	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	06/30/00	1,700	270	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	17
	09/14/00	5,800	130	ND<0.5	ND<0.5	ND<0.5	0.94	ND<2.0	ND<10	12
	12/20/00	19,000	1700	ND<50	ND<50	ND<50	ND<150	ND<2.0	ND<10	ND<250
	03/22/01	610000	3300	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	9
	06/27/01	8800	1800	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	6.7
	09/21/01	530000	7000	ND<50	ND<50	ND<50	ND<50	ND<2.0	ND<10	ND<50
12/27/01	27000	310	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	62	

TPHd: diesel  
 TPHg: gasoline  
 TAME: tert amyl methyl ether  
 TBA: tert-butyl alcohol  
 MTBE: methyl tert-butyl ether  
 ug/L: micrograms per liter  
 ND: not detected above laboratory reporting limit



**Table 4**  
**Historical Groundwater Analytical Results**  
 Mission Valley Rock Company  
 Sunol, California

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TAME (ug/L)	TBA (ug/L)	MTBE (ug/L)
	03/29/02	65000	130	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	30
	06/13/02	130000	460	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	24
	09/27/02	480000	290	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	16
	12/03/02	61000	1800	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	10
	03/31/03	5000	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	14
	06/27/03	8.1	360	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	20
	09/19/03	85	12	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	15
	12/22/03	NS								
01/17/05	Abandoned									
MW-2S	01/17/05	1100	730	ND<0.5	ND<0.5	1.0	3.5	ND<2.0	ND<10	50
	05/04/05	8200	190	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	44
	08/12/05	6100	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	77
	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	26
	03/03/06	5900	160	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	21
	06/13/06	8700	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	22
	09/06/06	11000	190	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	29
	12/05/06	18000	ND<50	ND<0.5	ND<50	ND<0.5	ND<1.0	ND<2.0	ND<10	38
	02/28/07	6600	140	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	33
06/12/07	3700	90	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	12	19	
09/11/07	17000	ND<50	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<10	ND<50	46	
MW-2M	01/17/05	4100	3300	6.5	1.7	89	82.2	ND<2.0	ND<10	38
	05/04/05	ND<50	610	ND<0.5	ND<0.5	16	10.6	ND<2.0	ND<10	32
	08/12/05	ND<50	460	ND<0.5	ND<0.5	2.5	1.2	ND<2.0	ND<10	56
	12/12/05	ND<50	410	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	28
	03/03/06	ND<50	290	ND<0.5	ND<0.5	0.5	ND<1.0	ND<2.0	ND<10	17
	06/13/06	ND<50	130	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/06/06	1900	330	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	22
	12/05/06	6100	340	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	37
	02/27/07	ND<500	310	ND<0.5	ND<0.5	0.65	ND<1.0	ND<2.0	ND<10	25
06/12/07	350	290	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	14	
09/11/07	4900	220	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	14	
MW-2D	01/17/05	1800	1000	6.5	ND<0.5	80	71	ND<2.0	ND<10	62
	05/04/05	ND<50	250	ND<0.5	ND<0.5	4.6	1.6	ND<2.0	ND<10	72
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	2.8	1.1	ND<2.0	ND<10	51
	12/12/05	ND<50	200	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	39
	03/03/06	ND<50	140	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	38
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	36
	09/06/06	1700	230	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	27
	12/05/06	3000	150	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	37
	02/27/07	1100	140	ND<0.5	ND<0.5	0.63	1.1	ND<2.0	ND<10	25
06/12/07	ND<500	140	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	19	
09/11/07	4600	120	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	15	
	06/23/98	12,000	300	0.80	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	150
	10/01/98	6400	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	01/05/99	5,600	ND<100	1.6	1.4	ND<1.0	ND<1.0	ND<2.0	ND<10	110
	03/29/99	150	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	06/10/99	620	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5
	09/17/99	1,500	230	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	89
	12/27/99	58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5

TPHd: diesel  
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 ug/L: micrograms per liter  
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 Mission Valley Rock Company  
 Sunol, California

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TAME (ug/L)	TBA (ug/L)	MTBE (ug/L)	
MW-3	03/22/00	94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<0.5	
	06/30/00	240	170	ND<0.5	0.52	ND<0.5	ND<0.5	ND<2.0	ND<10	100	
	09/14/00	850	170	0.81	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	68	
	12/20/00	1600	230	ND<1.0	ND<1.0	ND<1.0	ND<3.0	ND<2.0	ND<10	80	
	03/22/01	1100	140	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	83	
	06/27/01	NS									
	09/21/01	3800	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	45	
	12/27/01	3100	340	1.4	1.1	10	3.8	ND<2.0	ND<10	45	
	03/29/02	1500	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	50	
	06/13/02	ND<1000	160	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	36	
	09/27/02	ND<1000	ND<1000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	43	
	12/03/02	ND<1000	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	41	
	03/31/03	ND<1000	ND<100	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.0	ND<10	92	
	06/27/03	1200	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	93	
	09/19/03	ND<1000	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	65	
	12/22/03	5700	190	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	56	
	01/17/05	ND<50	590	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	47	
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	190	
	08/11/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	110	
	12/13/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	75	
03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	140		
06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	100		
09/06/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	67		
12/05/06	ND<50	82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	39		
02/27/07	56	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	43		
06/12/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	45		
09/11/07	ND<500	60	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	27		
MW-4S	01/17/05	ND<50	65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0	
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0	
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	2.2	5.8	ND<2.0	ND<10	ND<1.0	
	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
	09/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
	02/26/07	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
06/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0		
09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0		
MW-4D	01/17/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0	
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0	
	08/12/05	ND<50	410	ND<0.5	2.2	10	25.5	ND<2.0	ND<10	ND<1.0	
	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	7.8	
	09/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
	02/26/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0	
06/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0		
09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0		

TPHd: diesel  
 TPHg: gasoline  
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 Mission Valley Rock Company  
 Sunol, California

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TAME (ug/L)	TBA (ug/L)	MTBE (ug/L)
MW-5S	01/17/05	ND<50	ND<50	ND<0.5	<b>4.5</b>	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0
	08/11/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>5.8</b>
	12/12/05	ND<50	ND<50	<b>3.4</b>	<b>1.3</b>	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>5.4</b>
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>5.8</b>
	02/26/07	<b>360</b>	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>3.2</b>
06/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>2.2</b>	
09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>2.0</b>	
MW-5D	01/17/05	ND<50	<b>210</b>	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>10</b>
	08/11/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>6.4</b>
	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>4.7</b>
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>5.0</b>
	09/05/06	ND<50	ND<50	ND<0.5	<b>0.60</b>	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>5.3</b>
	12/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>1.9</b>
	02/28/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>1.6</b>
06/12/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>2.4</b>	
09/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>1.2</b>	
MW-6S	01/17/05	<b>2800</b>	<b>1600</b>	<b>6.1</b>	ND<0.5	<b>3.6</b>	<b>2.3</b>	ND<2.0	ND<10	<b>160</b>
	05/04/05	ND<50	<b>750</b>	ND<0.5	ND<0.5	<b>3.0</b>	ND<0.5	ND<2.0	ND<10	<b>160</b>
	08/12/05	<b>1300</b>	<b>1100</b>	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>410</b>
	12/12/05	ND<50	<b>1000</b>	ND<0.5	ND<0.5	<b>1.4</b>	ND<1.0	ND<2.0	ND<10	<b>190</b>
	03/03/06	ND<50	<b>940</b>	ND<0.5	ND<0.5	<b>4.9</b>	ND<1.0	ND<2.0	ND<10	<b>60</b>
	06/14/06	<b>1300</b>	<b>650</b>	ND<0.5	<b>1.7</b>	<b>1.9</b>	<b>2.0</b>	ND<2.0	ND<10	ND<1.0
	09/06/06	<b>2400</b>	<b>750</b>	ND<0.5	ND<0.5	<b>0.7</b>	<b>0.5</b>	ND<2.0	ND<10	<b>200</b>
	12/05/06	<b>2600</b>	<b>1000</b>	ND<0.5	ND<0.5	<b>1.2</b>	ND<1.0	ND<2.0	ND<10	<b>110</b>
	02/27/07	<b>3000</b>	<b>1100</b>	<b>0.79</b>	ND<0.5	<b>1.1</b>	ND<1.0	ND<2.0	ND<10	<b>54</b>
06/12/07	<b>490</b>	<b>1200</b>	ND<0.5	ND<0.5	<b>1.6</b>	ND<1.0	ND<2.0	ND<10	<b>47</b>	
09/11/07	<b>930</b>	<b>370</b>	ND<0.5	ND<0.5	<b>1.3</b>	ND<1.0	ND<2.0	ND<10	<b>48</b>	
MW-6D	01/17/05	<b>2100</b>	<b>1200</b>	<b>10</b>	ND<0.5	<b>1.6</b>	<b>2.2</b>	ND<2.0	ND<10	<b>180</b>
	05/04/05	ND<50	<b>360</b>	<b>2</b>	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>360</b>
	08/12/05	ND<50	<b>480</b>	<b>2</b>	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>270</b>
	12/12/05	ND<50	<b>240</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>92</b>
	03/03/06	ND<50	<b>310</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>93</b>
	06/14/06	ND<50	<b>130</b>	ND<0.5	<b>3.0</b>	<b>1.1</b>	<b>2.6</b>	ND<2.0	ND<10	<b>69</b>
	09/06/06	ND<50	<b>230</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>74</b>
	12/06/06	<b>1300</b>	<b>500</b>	<b>0.98</b>	<b>8.1</b>	<b>16</b>	<b>38.8</b>	ND<2.0	ND<10	<b>59</b>
	02/27/07	<b>470</b>	<b>150</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>48</b>
06/13/07	ND<500	<b>180</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>39</b>	
09/12/07	ND<500	<b>130</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>28</b>	
	01/17/05	ND<50	<b>12000</b>	<b>10</b>	<b>89</b>	<b>590</b>	<b>1670</b>	ND<2.0	ND<10	ND<1.0
	05/04/05	<b>520</b>	<b>1600</b>	ND<0.5	ND<0.5	<b>31</b>	<b>18.4</b>	ND<2.0	ND<10	ND<1.0
	08/12/05	ND<50	<b>660</b>	ND<0.5	ND<0.5	<b>5.5</b>	ND<0.5	ND<2.0	ND<10	ND<1.0
	12/12/05	ND<50	<b>610</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	03/03/06	ND<50	<b>630</b>	<b>1.1</b>	<b>9</b>	<b>31</b>	<b>78</b>	ND<2.0	ND<10	ND<1.0

TPHd: diesel  
 TPHg: gasoline  
 TAME: tert amyl methyl ether  
 TBA: tert-butyl alcohol  
 MTBE: methyl tert-butyl ether  
 ug/L: micrograms per liter  
 ND: not detected above laboratory reporting limit

**Table 4**  
**Historical Groundwater Analytical Results**  
Mission Valley Rock Company  
Sunol, California

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TAME (ug/L)	TBA (ug/L)	MTBE (ug/L)
MW-7S	06/14/06	ND<50	430	ND<0.5	ND<0.5	6.1	14.5	ND<2.0	ND<10	ND<1.0
	09/07/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	02/26/07	ND<500	55	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/11/07	ND<500	64	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/10/07	ND<500	76	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-7D	01/17/05	ND<50	23000	350	1000	1800	5200	ND<2.0	ND<10	ND<1.0
	05/04/05	NS								
	08/12/05	37	83000	550	2200	4400	10600	ND<2.0	ND<10	ND<50
	12/12/05	150000	1300000	640	3100	21000	54800	ND<2.0	ND<10	ND<50
	03/03/06	45000	71000	420	2400	4400	11300	ND<2.0	ND<10	ND<1.0
	06/14/06	ND<50	160000	310	2400	4500	9800	ND<2.0	ND<10	ND<1.0
	09/07/06	22000	71000	360	8600	33000	87000	ND<2.0	ND<10	ND<1.0
	12/06/06	12000	58000	160	1300	3900	5800	ND<2.0	ND<10	ND<1.0
	02/28/07	790	6800	29	51	460	491	ND<2.0	ND<10	ND<1.0
	06/13/07	23000	100000	270	950	4000	950	ND<2.0	ND<10	ND<1.0
09/12/07	3500	15000	72	340	1300	1940	ND<2.0	ND<10	ND<1.0	
MW-8	01/17/05	ND<50	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	ND<1.0
	12/12/05	830	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/07/06	ND<50	ND<50	ND<0.5	3.3	ND<0.5	5.5	ND<2.0	ND<10	ND<1.0
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	02/26/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	
MW-9S	05/05/06	ND<50	1300	8.6	24	40	29.8	ND<2.0	ND<10	ND<1.0
	06/14/06	ND<50	330	ND<0.5	ND<0.5	3.0	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/07/06	ND<50	240	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	12/05/06	ND<50	190	ND<0.5	ND<0.5	0.76	ND<1.0	ND<2.0	ND<10	ND<1.0
	02/27/07	ND<500	130	0.79	0.58	8.4	1.0	ND<2.0	ND<10	ND<1.0
	06/12/07	ND<500	210	0.76	ND<0.5	5.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/11/07	ND<500	52	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-9D	05/05/06	13	88000	5500	15000	4200	15000	ND<2.0	ND<10	ND<1.0
	06/14/06	ND<50	76000	3200	13000	2700	9200	ND<2.0	ND<10	ND<1.0
	09/07/06	5400	58000	1800	7400	2400	8000	ND<2.0	ND<10	ND<1.0
	12/06/06	9100	170000	1800	6700	3400	7400	ND<2.0	ND<10	ND<1.0
	02/28/07	4500	210000	1900	6200	2400	9000	ND<2.0	ND<10	ND<1.0
	06/13/07	11000	42000	1600	5100	2600	2131	13	39	ND<1.0
	09/12/07	4400	36000	990	5700	2800	4600	ND<2.0	30	ND<1.0
MW-9LF	05/05/06	ND<50	5400	12	17	190	150	ND<2.0	ND<10	ND<1.0
	06/14/06	ND<50	1800	13	17	30	36	ND<2.0	ND<10	ND<1.0
	09/07/06	ND<50	1100	58	23	31	58	ND<2.0	ND<10	ND<1.0
	12/05/06	290	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	31
	02/27/07	ND<500	530	39	5	31	25.4	ND<2.0	ND<10	ND<1.0
	06/12/07	ND<500	280	14	0.92	3.8	4.5	ND<2.0	ND<10	ND<1.0
	09/11/07	ND<500	320	2.5	0.59	ND<0.5	1.94	ND<2.0	ND<10	ND<1.0

TPHd: diesel  
TPHg: gasoline  
TAME: tert amyl methyl ether  
TBA: tert-butyl alcohol  
MTBE: methyl tert-butyl ether  
ug/L: micrograms per liter  
ND: not detected above laboratory reporting limit

**Table 4**  
**Historical Groundwater Analytical Results**  
 Mission Valley Rock Company  
 Sunol, California

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TAME (ug/L)	TBA (ug/L)	MTBE (ug/L)
MW-10S	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/07/06	ND<50	<b>93</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	12/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	02/26/07	ND<500	<b>54</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/12/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-10D	05/05/06	ND<50	<b>5900</b>	<b>24</b>	<b>9</b>	<b>260</b>	<b>23</b>	ND<2.0	ND<10	ND<1.0
	06/13/06	ND<50	<b>2300</b>	<b>7.6</b>	<b>2.4</b>	<b>66</b>	<b>6.6</b>	ND<2.0	ND<10	ND<1.0
	09/07/06	ND<50	<b>2400</b>	<b>3.9</b>	<b>2.0</b>	<b>54</b>	<b>11.89</b>	ND<2.0	ND<10	ND<1.0
	12/06/06	ND<50	<b>1600</b>	<b>2.5</b>	<b>1.0</b>	<b>28</b>	<b>4</b>	ND<2.0	ND<10	ND<1.0
	02/27/07	<b>200</b>	<b>850</b>	<b>2.7</b>	<b>0.90</b>	<b>28</b>	<b>2.3</b>	ND<2.0	ND<10	ND<1.0
	06/12/07	ND<500	<b>830</b>	<b>1.0</b>	ND<0.5	<b>14</b>	<b>2.0</b>	ND<2.0	ND<10	ND<1.0
MW-10LF	05/05/06	ND<50	<b>860</b>	ND<0.5	<b>11</b>	ND<0.5	<b>4.6</b>	ND<2.0	ND<10	ND<1.0
	06/13/06	ND<50	<b>780</b>	<b>2.0</b>	<b>2.4</b>	<b>1.1</b>	<b>4.2</b>	ND<2.0	ND<10	ND<1.0
	09/07/06	ND<50	<b>780</b>	<b>1.7</b>	<b>1.6</b>	<b>1.7</b>	<b>7.8</b>	ND<2.0	ND<10	ND<1.0
	12/05/06	<b>190</b>	<b>610</b>	<b>0.5</b>	<b>0.56</b>	ND<0.5	<b>1.5</b>	ND<2.0	ND<10	<b>3.7</b>
	02/27/07	ND<500	<b>580</b>	<b>1.0</b>	<b>1.1</b>	<b>0.51</b>	<b>3.6</b>	ND<2.0	ND<10	ND<1.0
	06/12/07	<b>260</b>	<b>440</b>	<b>0.5</b>	<b>0.7</b>	ND<0.5	<b>2.5</b>	ND<2.0	ND<10	<b>2.0</b>
MW-11S	05/05/06	ND<50	<b>11000</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>8.4</b>
	06/14/06	ND<50	<b>730</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/06/06	<b>3300</b>	<b>1400</b>	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10	<b>4.8</b>
	12/06/06	<b>1700</b>	<b>130</b>	<b>0.71</b>	ND<0.5	<b>0.64</b>	<b>0.51</b>	ND<2.0	ND<10	<b>11</b>
	02/27/07	<b>540</b>	<b>300</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>4.3</b>
	06/12/07	ND<500	<b>1800</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>4.3</b>
MW-11D	05/05/06	ND<50	<b>13000</b>	<b>20</b>	<b>20</b>	<b>26</b>	<b>77</b>	ND<2.0	ND<10	<b>47</b>
	06/14/06	<b>18000</b>	<b>6500</b>	<b>12</b>	<b>4.4</b>	<b>11</b>	<b>22</b>	ND<2.0	ND<10	<b>26</b>
	09/06/06	<b>210000</b>	<b>33000</b>	<b>25</b>	<b>30</b>	<b>28</b>	<b>97</b>	ND<2.0	ND<10	<b>31</b>
	12/06/06	<b>190000</b>	<b>2100</b>	<b>15</b>	<b>23</b>	<b>29</b>	<b>101</b>	ND<2.0	ND<10	<b>19</b>
	02/28/07	<b>13000</b>	<b>7400</b>	<b>8.4</b>	<b>16</b>	<b>17</b>	<b>54</b>	ND<2.0	ND<10	<b>18</b>
	06/13/07	<b>6700</b>	<b>11000</b>	<b>6.2</b>	<b>7</b>	<b>13</b>	<b>39</b>	ND<2.0	ND<10	<b>15</b>
MW-11LF	05/05/06	ND<50	<b>1300</b>	ND<0.5	ND<0.5	ND<0.5	<b>3</b>	ND<2.0	ND<10	<b>250</b>
	06/14/06	<b>1100</b>	<b>99</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>240</b>
	09/06/06	<b>5300</b>	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>160</b>
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>240</b>
	02/27/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>110</b>
	06/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	<b>110</b>
MW-12S	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/07/06	ND<50	<b>81</b>	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	12/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	<b>210</b>	ND<1.0
	02/27/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	<b>19</b>	ND<1.0
09/10/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0	

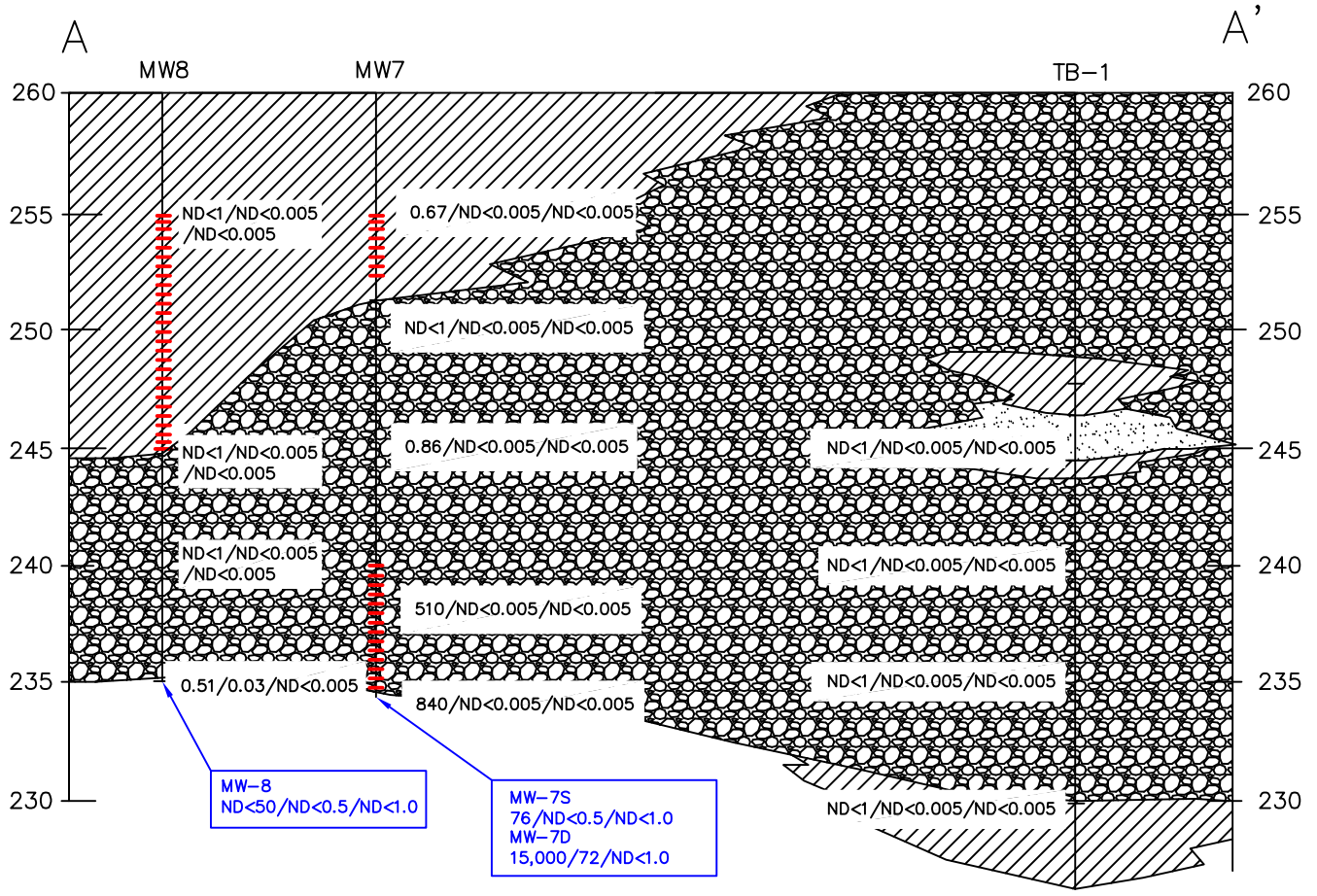
TPHd: diesel  
 TPHg: gasoline  
 TAME: tert amyl methyl ether  
 TBA: tert-butyl alcohol  
 MTBE: methyl tert-butyl ether  
 ug/L: micrograms per liter  
 ND: not detected above laboratory reporting limit

**Table 4**  
**Historical Groundwater Analytical Results**  
Mission Valley Rock Company  
Sunol, California

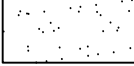



Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TAME (ug/L)	TBA (ug/L)	MTBE (ug/L)
<b>MW-12D</b>	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/06/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	02/28/07	ND<500	51	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
<b>MW-12LF</b>	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/06/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	12/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	02/26/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	06/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0
	09/11/07	ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10	ND<1.0

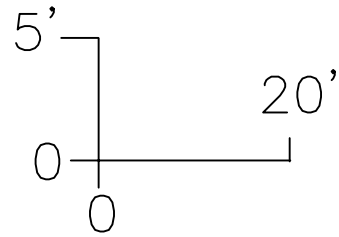
TPHd: diesel  
TPHg: gasoline  
TAME: tert amyl methyl ether  
TBA: tert-butyl alcohol  
MTBE: methyl tert-butyl ether  
ug/L: micrograms per liter  
ND: not detected above laboratory reporting limit

**APPENDIX A**  
**CROSS SECTIONS**



### LEGEND

-  SILTY SAND/SAND
-  CLAY
-  GRAVEL
-  Screen Interval in Well



SCALES VERTICAL SCALE EXAGGERATED

(ELEVATION IN FEET ABOVE MEAN SEA LEVEL)



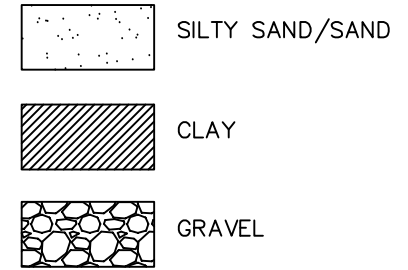
**TAIT ENVIRONMENTAL MANAGEMENT, INC.**  
 701 NORTH PARKCENTER DRIVE  
 SANTA ANA, CALIFORNIA 92705  
 (714) 560-8200  
 (714) 560-8235 FAX

**EAST-WEST CROSS SECTION A-A'**  
 HANSON AGGREGATES  
 (FORMALLY MISSION VALLEY ROCK CO.)  
 7999 ATHENOUR WAY  
 SUNOL, CALIFORNIA

DRAWN BY: N.M.  
 REVIEWED BY: P.M.  
 PROJECT: EM5009C  
 DATE: OCTOBER 2007



# LEGEND



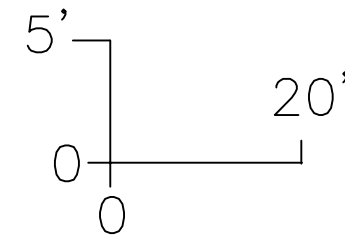
Screen Interval in Well

SOIL SAMPLE RESULTS (On Section)  
 TB Series (December 2002)  
 MW Series (January 2005)

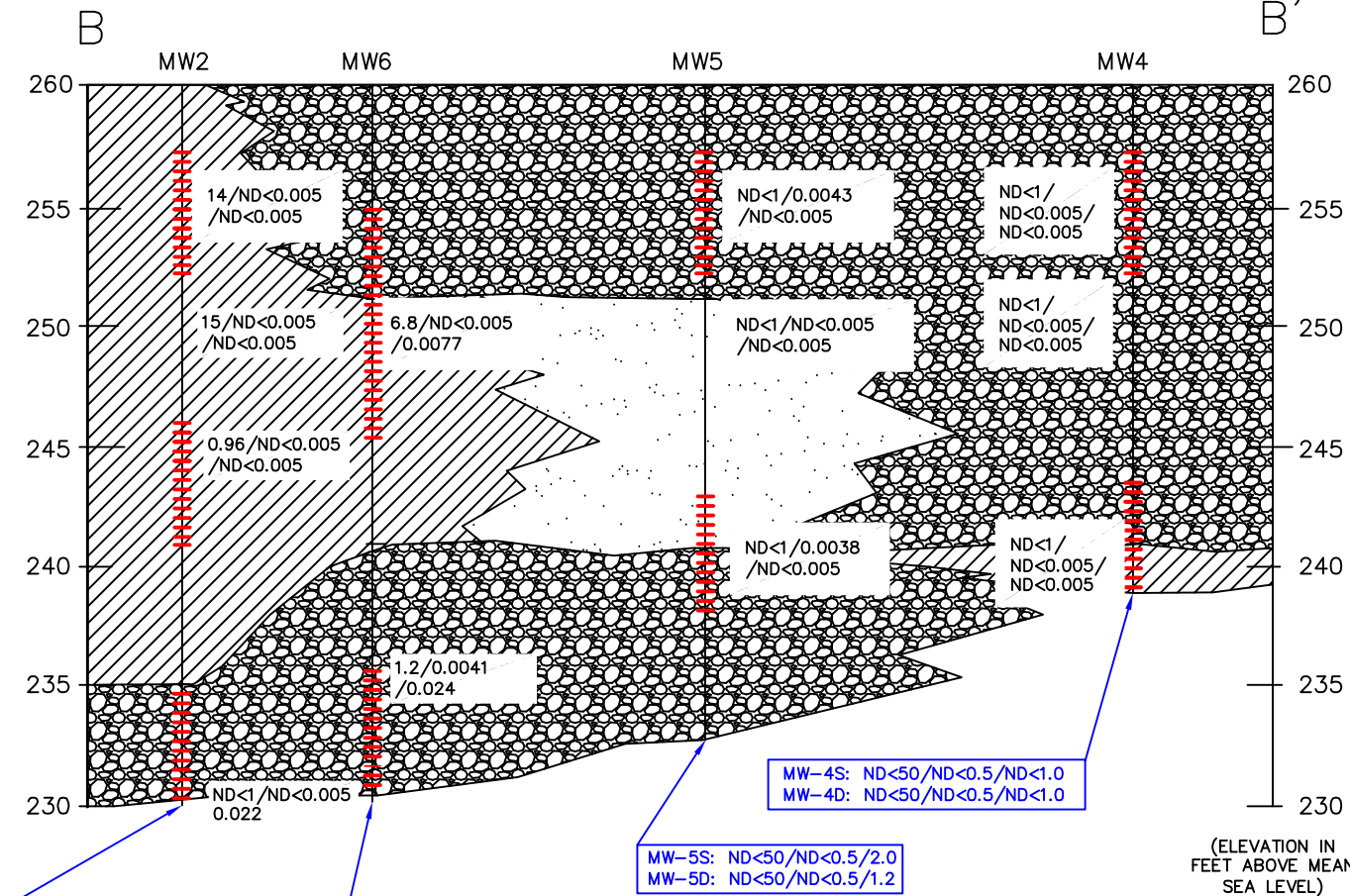
TPHg/BENZENE/MTBE (mg/kg)  
 ND<1/ND<0.005/ND<0.005

GROUNDWATER DATA RESULTS  
 September 2007 (µg/l) (Below Section):

TPH-g/Benzene/MTBE  
 ND<50/ND<0.5/ND<1.0



SCALES VERTICAL SCALE EXAGGERATED



MW-2S: ND<50/ND<0.5/46  
 MW-2M: 220/ND<0.5/14  
 MW-2D: 120/ND<0.5/15

MW-6S: 370/ND<0.5/48  
 MW-6D: 130/ND<0.5/28

MW-5S: ND<50/ND<0.5/2.0  
 MW-5D: ND<50/ND<0.5/1.2

MW-4S: ND<50/ND<0.5/ND<1.0  
 MW-4D: ND<50/ND<0.5/ND<1.0

## EAST-WEST CROSS SECTION B-B'

### HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.) 7999 ATHENOUR WAY SUNOL, CALIFORNIA



TAIT ENVIRONMENTAL MANAGEMENT, INC.  
 701 NORTH PARKCENTER DRIVE  
 SANTA ANA, CALIFORNIA 92705  
 (714) 560-8200  
 (714) 560-8235 FAX

DRAWN BY: N.M.  
 REVIEWED BY: P.M.  
 PROJECT: EM5009C  
 DATE: OCTOBER 2007

# LEGEND



SILTY SAND/SAND



GRAVEL



Screen Interval in Well

## SOIL SAMPLE RESULTS (On Section)

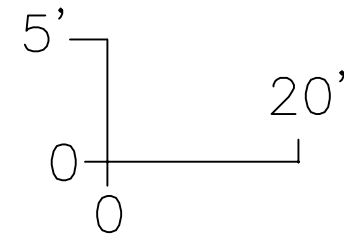
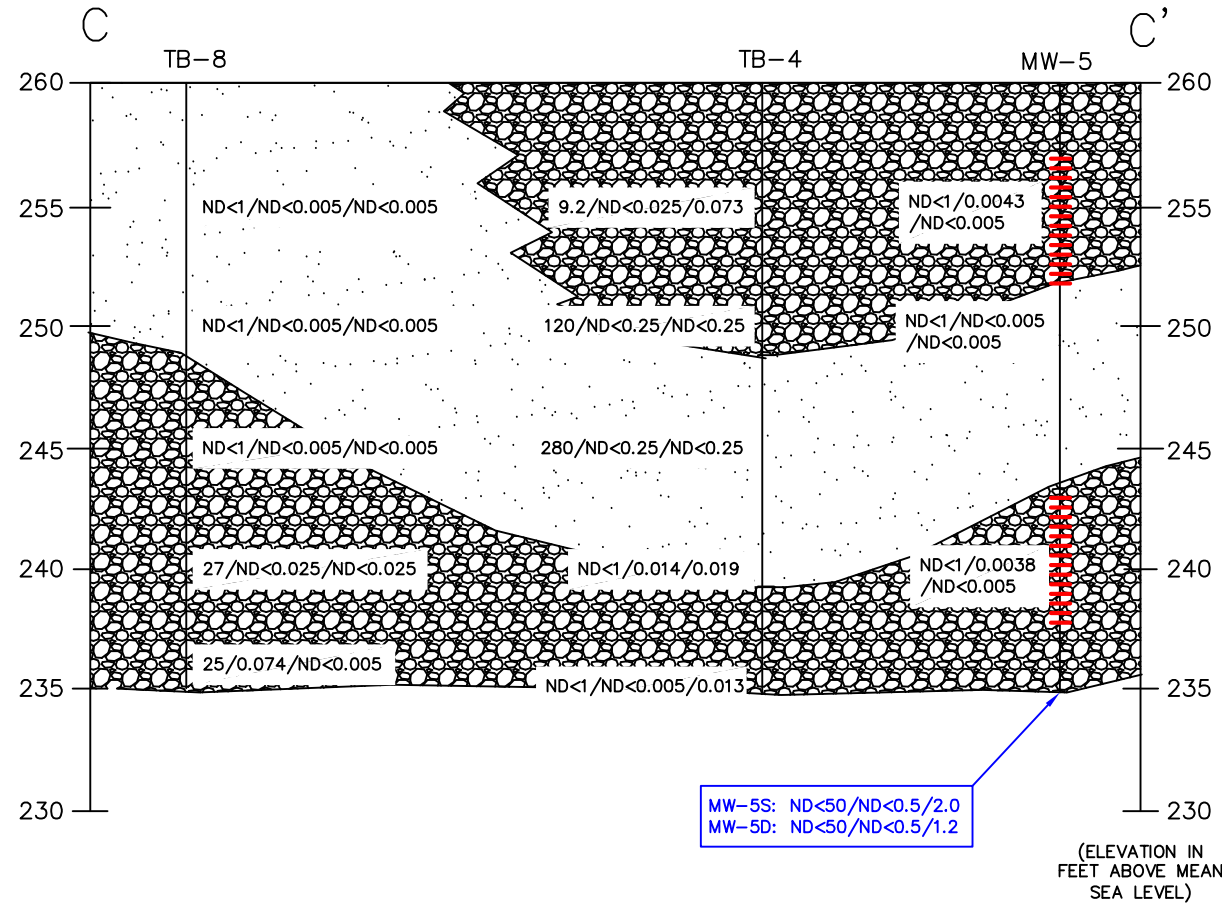
TB Series (December 2002)  
MW Series (January 2005)

TPHg/BENZENE/MTBE (mg/kg)  
ND<1/ND<0.005/ND<0.005

## GROUNDWATER DATA RESULTS

September 2007 (µg/l) (Below Section):

TPH-g/Benzene/MTBE  
ND<50/ND<0.5/ND<1.0



SCALES

VERTICAL SCALE EXAGGERATED



TAIT ENVIRONMENTAL MANAGEMENT, INC.  
701 NORTH PARKCENTER DRIVE  
SANTA ANA, CALIFORNIA 92705  
(714) 560-8200  
(714) 560-8235 FAX

## NORTH-SOUTH CROSS SECTION C-C'

HANSON AGGREGATES  
(FORMALLY MISSION VALLEY ROCK CO.)  
7999 ATHENOUR WAY  
SUNOL, CALIFORNIA

DRAWN BY: N.M.

REVIEWED BY: P.M.

PROJECT: EM5009C

DATE: OCTOBER 2007

**APPENDIX B**  
**SAMPLING DATA SHEETS**



# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name: Mission Valley Rock</b>					<b>Date: 9-10-07</b>				
<b>Project No.: EM5009C</b>					<b>Prepared By: Michael Schenone</b>				
<b>Well Identification: MW-4S</b>					<b>Weather: HOT, DRY</b>		<b>Screen:</b>		
<b>Measurement Point Description: TOC North</b>					<b>Pump Intake: 7'</b>				

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	4.77	8.35		NA	-	-	-	-

<b>Well Diameter (in)</b>		<b>Gallons/Foot</b>				<b>Field Equipment: Horiba, 2-stage pump Low-Flow</b>			
		0.75	2	4	6	<b>Purge Method: 2-stage pump Low-Flow</b>			
0.75	2	4	6	0.02	0.16	0.65	1.47	<b>Well Condition: Good.</b>	

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1230		0 ML	125 ML/MIN	4.80	7.62	25.2	62.4	0.49	2.02	-133	CLEAR
1232		250	↓	4.80	7.82	24.3	8.5	0.48	1.84	-136	↓
1234		500	↓	4.80	7.83	24.2	8.4	0.48	1.34	-146	↓
1236		750	↓	4.80	7.84	24.2	8.1	0.48	1.32	-148	↓
1238		1000	↓	4.80	7.85	24.1	8.2	0.48	1.31	-150	↓

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1230	1238	125 ML/MIN	1000 ML	-	-	4.80	1240	MW-4S

**Notes:** chased threads / replaced bolts

ft-bmp = feet below measuring point  
 G:\TEMForms\Well Sampling Field Data Sheet.doc



### Groundwater Sampling Data Sheet

Project Name: <b>Mission Valley Rock</b>						Date: <b>9-10-07</b>					
Project No.: <b>EM5009C</b>						Prepared By: <b>Michael Schenone</b>					
Well Identification: <b>MW-4d</b>						Weather: <b>Hot, Dry</b>			Screen:		
Measurement Point Description: <b>TOC North</b>						Pump Intake: <b>19'</b>					
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	7.54	23.38		NA	-	-	-	-			
Well Diameter (in)		Gallons/Foot				Field Equipment: <b>Horiba, 2-stage pump LOW-FLOW</b>					
		0.75	<b>2</b>	4	6	Purge Method: <b>2-stage pump LOW-FLOW</b>					
0.75	<b>2</b>	4	6	0.02	0.16	0.65	1.47	Well Condition: <b>Good</b>			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (µm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1250		∅	125 mL / MIN	7.55	7.92	23.1	7.9	0.34	1.73	-152	↓ clear
1252		250		7.55	7.86	22.0	7.2	0.30	1.62	-152	
1254		500		7.55	7.84	21.8	7.0	0.29	1.60	-153	
1256		750		7.55	7.84	21.8	7.2	0.29	1.61	-153	
1258		1000	↓	7.55	7.83	21.8	7.0	0.29	1.60	-153	
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1250	1258	125 mL / MIN	1000 ML	-	-	7.55	1300	MW-4d			
Notes: <b>chased threads / replaced bolts</b>											

# Groundwater Sampling Data Sheet

Project Name: <b>Mission Valley Rock</b>					Date: <b>9-10-07</b>				
Project No.: <b>EM5009C</b>					Prepared By: <b>Michael Schenone</b>				
Well Identification: <b>MW-55</b>					Weather: <b>HOT, DRY</b>		Screen:		
Measurement Point Description: <b>TOC North</b>					Pump Intake: <b>8'</b>				

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	6.49	8.24		NA	-	-	-	-

Well Diameter (In)	Gallons/Foot			Field Equipment: <b>Horiba, 2-stage-pump Low-flow</b>				
	0.75	<b>2</b>	4	6	Purge Method: <b>2-stage pump Low-flow</b>			
0.75	<b>2</b>	4	6	0.02	0.16	0.65	1.47	Well Condition: <b>Good</b>

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity ( $\mu\text{m}$ )	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1336		0	32 ml/min	6.53	7.43	25.5	64.2	0.25	1.64	-114	CLEAR ↓
1340		125	↓	6.54	7.37	25.6	43.1	0.25	1.47	-115	
1344		250		6.59	7.34	25.5	22.0	0.24	1.40	-111	
1348		375		6.60	7.34	25.6	19.9	0.24	1.39	-11	
1352		500		6.64	7.33	25.6	21.3	0.24	1.39	-110	

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1336	1352	32 ml/min	500 ml	-	-	6.64	1400	MW-55

Notes: **chased threads / replaced bolts**



### Groundwater Sampling Data Sheet

Project Name: <b>Mission Valley Rock</b>					Date: <b>9-10-07</b>		
Project No.: <b>EM5009C</b>					Prepared By: <b>Michael Schenone</b>		
Well Identification: <b>MW-7S</b>					Weather: <b>Hot, Dry</b>		Screen:
Measurement Point Description: <b>TOC North</b>					Pump Intake: <b>8'</b>		

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	5.76	8.48	-	NA	-	-	-	-

Well Diameter (in)	Gallons/Foot				Field Equipment: <b>Horiba, 2-stage pump Low-flow</b>			
	0.75	<b>2</b>	4	6	Purge Method: <b>2-stage pump Low flow</b>			
0.75	<b>2</b>	4	6	0.02	0.16	0.65	1.47	Well Condition: <b>Good</b>

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1418		0	<b>38 ml/min</b>	5.88	7.53	26.1	86.2	0.25	4.73	-121	clear
1422		150	↓	5.88	7.55	22.2	58.2	0.24	1.48	-110	↓
1426		300	↓	5.92	7.56	22.1	56.8	0.23	1.36	-112	↓
1430		450	↓	5.97	7.56	22.1	55.4	0.23	1.35	-113	↓
1434		600	↓	5.99	7.57	22.1	54.4	0.23	1.34	-114	↓

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1418	1434	<b>38 ml/min</b>	<b>600ml</b>	-	-	5.99	1442	MW-7S

**Notes:** WELL BOX BROKEN - HIT BY LOADER - CONTACT LFR



### Groundwater Sampling Data Sheet

Project Name: <b>Mission Valley Rock</b>						Date: <b>9-10-07</b>					
Project No.: <b>EM5009C</b>						Prepared By: <b>Michael Schenone</b>					
Well Identification: <b>MW-B</b>						Weather: <b>HOT, DRY</b>			Screen:		
Measurement Point Description: <b>TOC North</b>						Pump Intake: <b>12'</b>					

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	5.80	15.34	-	NA	-	-	-	-

Well Diameter (in)	Gallons/Foot				Field Equipment: <b>Horiba, 2-stage pump Low-flow</b>			
	0.75	2	4	6	Purge Method: <b>2-stage pump Low-flow</b>			
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: <b>Good</b>

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1458		0	125 ml/min	5.80	7.80	20.3	35.6	0.20	1.54	-101	clear
1500		250	↓	5.80	7.78	20.1	38.9	0.19	1.48	-95	↓
1502		500		5.80	7.76	20.1	40.1	0.19	1.46	-90	
1504		750		5.80	7.78	20.1	41.4	0.19	1.45	-80	
1506		1000		5.82	7.78	20.1	40.2	0.19	1.44	-77	

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1458	1506	125 ml/min	1000ml	-	-	5.82	1510	MW-B

Notes: **chased threads / replaced bolts**





# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: <b>Mission Valley Rock</b>						Date: <b>9-10-07</b>					
Project No.: <b>EM5009C</b>						Prepared By: <b>Michael Schenone</b>					
Well Identification: <b>MW-11LF</b>						Weather: <b>Hot, Dry</b>			Screen:		
Measurement Point Description: <b>TOC North</b>						Pump Intake: <b>30'</b>					

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	7.70	39.41	-	NA	-	-	-	-

Well Diameter (in)	Gallons/Foot				Field Equipment: <b>Horiba, 2-stage pump, Low-flow</b>			
	0.75	②	4	6	Purge Method: <b>2-stage pump Low-flow</b>			
0.75	②	4	6	0.02	0.16	0.65	1.47	Well Condition: <b>Good</b>

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1523		∅	125 ml/min	7.78	7.98	20.6	82.1	0.16	1.59	-139	CLEAR
1525		250	↓	7.78	7.97	20.8	76.1	0.16	1.50	-141	↓
1527		500	↓	7.78	7.96	20.9	78.4	0.15	1.45	-143	↓
1529		750	↓	7.78	7.95	21.0	77.6	0.15	1.44	-144	↓
1533		1000	↓	7.78	7.95	20.9	78.1	0.15	1.43	-145	↓

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1523	1533	125 ml/min	1000ml	-	-	7.78	1540	MW-11LF

**Notes:** *chased threads / replaced bolts*



# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name: Mission Valley Rock</b>						<b>Date: 9-10-07</b>					
<b>Project No.: EM5009C</b>						<b>Prepared By: Michael Schenone</b>					
<b>Well Identification: MW-12S</b>						<b>Weather: HOT, DRY</b>			<b>Screen:</b>		
<b>Measurement Point Description: TOC North</b>						<b>Pump Intake: 10.5'</b>					
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	9.54	11.04	-	NA	-	-	-	-			
<b>Well Diameter (in)</b>				<b>Gallons/Foot</b>				<b>Field Equipment:</b> Horiba, 2-stage pump low-flow			
				0.75	②	4	6	<b>Purge Method:</b> 2-stage pump low-flow			
0.75	②	4	6	0.02	0.16	0.65	1.47	<b>Well Condition:</b> Good			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (µm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1630		0	32 ml/min	9.71	7.51	22.3	99.1	0.22	4.39	-45	clear
1634		125	↓	9.71	7.48	22.7	99.6	0.22	4.19	-21	↓
1638		250	↓	9.71	7.43	22.9	86.2	0.22	4.14	-19	↓
1642		375	↓	9.72	7.42	23.1	84.5	0.22	4.04	-17	↓
1646		500	↓	9.73	7.41	23.3	83.1	0.22	4.01	-16	↓
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1630	1646	32 ml/min	500 ml	-	-	9.73	1652	MW-12S			
<b>Notes:</b> chased threads / replaced bolts											



# Groundwater Sampling Data Sheet

TAI Environmental Management, Inc

Project Name: <b>Mission Valley Rock</b>						Date: <b>9-11-07</b>					
Project No.: <b>EM5009C</b>						Prepared By: <b>Michael Schenone</b>					
Well Identification: <b>MW-12d</b>						Weather: <b>cool, dry</b>			Screen:		
Measurement Point Description: <b>TOC North</b>						Pump Intake: <b>16'</b>					

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	9.45	19.70	-	NA	-	-	-	-

Well Diameter (in)	Gallons/Foot				Field Equipment: <b>Horiba, 2-stage pump - Low-flow</b>			
	0.75	②	4	6	Purge Method: <b>2-stage pump - Low-flow</b>			
0.75	②	4	6	0.02	0.16	0.65	1.47	Well Condition: <b>Good</b>

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity ( <u>2/m</u> )	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
914		∅	250 ml/min	9.65	7.71	18.4	67.5	0.17	1.66	121	clear
916		500	↓	9.65	7.63	18.4	62.4	0.16	1.67	115	↓
918		1000	↓	9.65	7.62	18.4	59.8	0.16	1.66	112	↓
920		1500	↓	9.65	7.60	18.4	58.5	0.16	1.68	108	↓
922		2000	↓	9.65	7.60	18.4	56.5	0.17	1.69	106	↓

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
914	922	250 ml/min	2000	-	-	9.65	930	

**Notes:** **chased threads / replaced bolts**



# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name: Mission Valley Rock</b>						<b>Date: 9-11-07</b>					
<b>Project No.: EM5009C</b>						<b>Prepared By: Michael Schenone</b>					
<b>Well Identification: MW-12LF</b>						<b>Weather: cool, dry</b>			<b>Screen:</b>		
<b>Measurement Point Description: TOC North</b>						<b>Pump Intake: 35'</b>					

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	9.71	39.50	-	NA	-	-	-	-

<b>Well Diameter (in)</b>				<b>Gallons/Foot</b>				<b>Field Equipment: Horiba, 2 stage pump Low-flow</b>			
				0.75	②	4	6	<b>Purge Method: 2 stage pump Low-flow</b>			
0.75	②	4	6	0.02	0.16	0.65	1.47	<b>Well Condition: Good</b>			

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (µm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1000		0	250 ml / min	9.71	7.66	18.5	59.4	0.16	1.98	71	clear
1002		500	↓	9.92	7.67	18.4	54.2	0.16	1.92	70	↓
1004		1000	↓	9.92	7.67	18.3	55.5	0.16	1.89	69	↓
1006		1500	↓	9.92	7.67	18.3	55.3	0.16	1.91	68	↓
1008		2000	↓	9.93	7.67	18.3	54.1	0.16	1.90	68	↓

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1000	1008	250 ml / min	2000 ml	-	-	9.93	1012	MW-12LF

**Notes:** chased threads / replaced bolts



## Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: <b>Mission Valley Rock</b>						Date: <b>9-11-07</b>					
Project No.: <b>EM5009C</b>						Prepared By: <b>Michael Schenone</b>					
Well Identification: <b>MW-5d</b>						Weather: <b>Hot, Dry</b>			Screen:		
Measurement Point Description: <b>TOC North</b>						Pump Intake: <b>19'</b>					
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	6.76	22.65	-	NA	-	-	-	-			
Well Diameter (In)		Gallons/Foot				Field Equipment: <b>Horiba, 2-stage pump Low-flow</b>					
		0.75	2	4	6	Purge Method: <b>2-stage pump Low-flow</b>					
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: <b>Good</b>			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1036		0	125 ml/min	6.86	7.50	20.8	20.4	0.24	1.76	-91	clear
1038		250	↓	6.86	7.50	20.9	16.3	0.30	1.57	-115	↓
1040		500		6.86	7.52	20.9	15.8	0.31	1.55	-119	
1042		750		6.89	7.53	20.9	15.1	0.32	1.52	-122	
1044		1000		6.91	7.54	20.9	14.9	0.33	1.50	-125	
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1036	1044	125 ml/min	1000 ml	-	-	6.91	1047	MW-5d			
Notes: <b>chased threads / replaced bolts</b>											



### Groundwater Sampling Data Sheet

Project Name: <b>Mission Valley Rock</b>					Date: <b>9-11-07</b>				
Project No.: <b>EM5009C</b>					Prepared By: <b>Michael Schenone</b>				
Well Identification: <b>MW-3</b>					Weather: <b>Hot, Dry</b>				
Measurement Point Description: <b>TOC North</b>					Screen:				
Pump Intake: <b>11'</b>									

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	7.47	14.70	-	NA	-	-	-	-

Well Diameter (in)	Gallons/Foot				Field Equipment: <b>Horiba, 2-stage pump</b>			
	0.75	<b>2</b>	4	6	<b>Low-flow</b>			
0.75	<b>2</b>	4	6	0.02	0.16	0.65	1.47	Purge Method: <b>2-stage pump</b>
							<b>Low-flow</b>	
							Well Condition: <b>Good</b>	

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (µm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1100		0	125 ml/min	7.62	7.66	21.8	198.0	0.33	1.90	-139	
1102		250		7.62	7.64	21.7	185.8	0.32	1.63	-141	cloudy
1104		500		7.62	7.62	21.6	160.3	0.32	1.49	-143	
1106		750		7.62	7.61	21.5	162.4	0.31	1.48	-144	
1108		1000		7.62	7.60	21.4	159.4	0.31	1.46	-144	

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1100	1108	125 ml	1000 ml	-	-	7.62	1113	MW-3

Notes: **chased threads / replaced batts**



## Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name: Mission Valley Rock</b>						<b>Date: 9-11-07</b>					
<b>Project No.: EM5009C</b>						<b>Prepared By: Michael Schenone</b>					
<b>Well Identification: MW-105</b>						<b>Weather: HOT, DRY</b>			<b>Screen:</b>		
<b>Measurement Point Description: TOC North</b>						<b>Pump Intake: 8'</b>					
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	4.94	9.58	-	NA	-	-	-	-			
<b>Well Diameter (in)</b>		<b>Gallons/Foot</b>			<b>Field Equipment: Horiba, 2-stage pump low-flow</b>						
		0.75	2	4	6	<b>Purge Method: 2-stage pump low-flow</b>					
0.75	2	4	6	0.02	0.16	0.65	1.47	<b>Well Condition: Good</b>			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1135		0	125 ml/min	4.94	7.40	24.6	23.5	0.47	1.68	-86	CLEAR
1137		250	↓	4.95	7.40	24.5	10.1	0.47	1.43	-79	↓
1139		500	↓	4.95	7.42	24.5	6.5	0.47	1.32	-75	↓
1141		750	↓	4.95	7.44	24.5	5.9	0.47	1.29	-73	↓
1143		1000	↓	4.95	7.44	24.5	5.4	0.47	1.28	-71	↓
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1135	1143	125 ml	1000 ml	-	-	7.44	1147	MW-105			
<b>Notes:</b> chased threads / replaced bolts											



# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name: Mission Valley Rock</b>						<b>Date: 9-11-07</b>					
<b>Project No.: EM5009C</b>						<b>Prepared By: Michael Schenone</b>					
<b>Well Identification: MW-2d</b>						<b>Weather: HOT, DRY</b>			<b>Screen:</b>		
<b>Measurement Point Description: TOC North</b>						<b>Pump Intake: 24'</b>					
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	7.00	29.54	-	NA	-	-	.	.			
<b>Well Diameter (in)</b>			<b>Gallons/Foot</b>				<b>Field Equipment:</b> Horiba, 2-stage pump <i>Low-flow</i>				
			0.75	2	4	6	<b>Purge Method:</b> 2-stage pump <i>Low-flow</i>				
0.75	2	4	6	0.02	0.16	0.65	1.47	<b>Well Condition:</b> <i>Good</i>			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity ( <u>µm</u> )	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1204		0	125 ml/min	7.05	7.68	23.6	185.2	0.36	1.86	-121	↓ <i>cloudy</i> ↓
1206		250		7.05	7.64	23.7	186.5	0.33	1.76	-124	
1208		500		7.06	7.60	23.7	184.0	0.32	1.79	-127	
1210		750		7.06	7.58	23.8	190.2	0.31	1.78	-130	
1212		1000		7.06	7.57	23.9	185.7	0.30	1.77	-132	
1214		1250		7.06	7.56	23.9	181.3	0.29	1.75	-134	
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1204	1214	125 ml	1250	-	-	7.06	1219	MW-2d			
<b>Notes:</b> <i>chased threads / replaced bolts</i>											





# Groundwater Sampling Data Sheet

TAM Environmental Management, Inc

Project Name: <b>Mission Valley Rock</b>						Date: <b>9-11-07</b>					
Project No.: <b>EM5009C</b>						Prepared By: <b>Michael Schenone</b>					
Well Identification: <b>MW-2M</b>						Weather: <b>HOT, DRY</b>			Screen:		
Measurement Point Description: <b>TOC North</b>						Pump Intake: <b>10'</b>					
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	6.88	12.29	-	NA	-	-	.	.			
Well Diameter (in)				Gallons/Foot				Field Equipment: <b>Horiba, 2-stage pump low-flow</b>			
				0.75	<b>2</b>	4	6	Purge Method: <b>2-stage pump low-flow</b>			
0.75	<b>2</b>	4	6	0.02	0.16	0.65	1.47	Well Condition: <b>Good</b>			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1230		0	125 ml/min	6.98	7.45	24.2	40.5	0.27	1.62	-144	↓ clear
1232		250		6.98	7.48	23.1	31.8	0.27	1.68	-143	
1234		500		6.98	7.49	22.8	20.5	0.26	1.60	-145	
1236		750		6.98	7.48	18.9	18.9	0.26	1.58	-145	
1238		1000		7.05	7.48	22.5	17.4	0.25	1.55	-146	
1240		1250		7.08	7.47	22.4	18.3	0.25	1.54	-147	
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1230	1240	125 ml	1250	-	-	7.08	1244	MW-2M			
Notes: <b>chased threads / replaced bolts</b>											



# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: <b>Mission Valley Rock</b>						Date: <b>9-11-07</b>					
Project No.: <b>EM5009C</b>						Prepared By: <b>Michael Schenone</b>					
Well Identification: <b>MW-98</b>						Weather: <b>Hot, Dry</b>			Screen:		
Measurement Point Description: <b>TOC North</b>						Pump Intake: <b>10'</b>					
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	5.26	12.20	-	NA	-	-	-	-			
Well Diameter (in)				Gallons/Foot				Field Equipment: <b>Horiba, 2 stage pump low-flow</b>			
				0.75	②	4	6	Purge Method: <b>2 stage pump low-flow</b>			
0.75	②	4	6	0.02	0.16	0.65	1.47	Well Condition: <b>Good</b>			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1309		∅	125 ml/min	5.1	7.28	22.8	55.3	0.30	1.70	-144	↓ clear ↓
1311		250		5.30	7.28	22.0	59.1	0.33	1.60	-138	
1313		500		5.30	7.28	22.0	58.4	0.35	1.60	-136	
1315		750		5.31	7.27	22.1	55.5	0.34	1.59	-134	
1317		1000		5.30	7.28	22.1	57.3	0.35	1.58	-132	
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1309	1317	125 ml	1000 ml	-	-	5.30	1321	MW-98			
Notes: <b>chased threads / replaced bolts</b>											

ft-bmp = feet below measuring point  
 G:\TEMForms\Well Sampling Field Data Sheet.doc

# Groundwater Sampling Data Sheet

<b>Project Name: Mission Valley Rock</b>					<b>Date: 9-11-07</b>				
<b>Project No.: EM5009C</b>					<b>Prepared By: Michael Schenone</b>				
<b>Well Identification: MW-6S</b>					<b>Weather: HOT, DRY</b>			<b>Screen:</b>	
<b>Measurement Point Description: TOC North</b>					<b>Pump Intake: 13'</b>				

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	6.32	15.00	-	NA	-	-	-	-

<b>Well Diameter (in)</b>	<b>Gallons/Foot</b>				<b>Field Equipment:</b> Horiba, 2-stage pump <i>low-flow</i>			
	0.75	<u>2</u>	4	6	<b>Purge Method:</b> 2-stage pump <i>low-flow</i>			
0.75	<u>2</u>	4	6	0.02	0.16	0.65	1.47	<b>Well Condition:</b> <i>Good</i>

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1414		0	63 ml/min	6.51	7.85	23.3	79.4	0.29	1.44	-167	
1416		125	↓	6.53	7.77	22.8	81.6	0.29	1.42	-165	clear
1418		250		6.57	7.73	22.8	79.8	0.29	1.40	-164	
1420		375		6.60	7.71	22.7	75.5	0.29	1.39	-164	
1422		500		6.62	7.70	22.7	74.2	0.29	1.38	-164	
1424		625		6.63	7.69	22.7	73.8	0.29	1.37	-165	

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1414	1424	63 ml	625 ml	-	-	6.63	1429	MW-6S

**Notes:** *chased threads / replaced bolts*



### Groundwater Sampling Data Sheet

<b>Project Name: Mission Valley Rock</b>						<b>Date: 9-11-07</b>					
<b>Project No.: EM5009C</b>						<b>Prepared By: Michael Schenone</b>					
<b>Well Identification: MW - 10LF</b>						<b>Weather: HOT, DRY</b>			<b>Screen:</b>		
<b>Measurement Point Description: TOC North</b>						<b>Pump Intake: 35'</b>					
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	9.24	39.90	-	NA	-	-	-	-			
<b>Well Diameter (in)</b>				<b>Gallons/Foot</b>				<b>Field Equipment:</b> Horiba, 2-stage pump - low-flow			
				0.75	2	4	6	<b>Purge Method:</b> 2-stage pump - low-flow			
0.75	2	4	6	0.02	0.16	0.65	1.47	<b>Well Condition:</b> Good			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (µm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1344		0	125 ml/min	9.30	7.88	21.5	24.1	0.31	1.90	-156	clear ↓
1346		250	↓	9.30	7.89	21.0	24.6	0.30	1.72	-160	
1348		500		9.30	7.88	21.2	22.8	0.29	1.66	-161	
1350		750		9.30	7.88	20.9	23.7	0.29	1.63	-162	
1352		1000		9.32	7.88	20.8	21.2	0.29	1.61	-164	
Purge Start Time	Purge End Time	Average Flow (gpm)		Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification		
1344	1352	125 ml	1000 ml	-	-	9.32	1358	MW - 10LF			
<b>Notes:</b> chased threads / replaced bolts											

ft-bmp = feet below measuring point  
 G:\TEM\FORMS\Well Sampling Field Data Sheet.doc



## Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name: Mission Valley Rock</b>						<b>Date: 9-11-07</b>					
<b>Project No.: EM5009C</b>						<b>Prepared By: Michael Schenone</b>					
<b>Well Identification: MW-1</b>						<b>Weather: HOT, DRY</b>			<b>Screen:</b>		
<b>Measurement Point Description: TOC North</b>						<b>Pump Intake: 14'</b>					
<b>Depth to LNAPL (ft-bmp)</b>	<b>Depth to Static Water Level (ft-bmp)</b>	<b>Well Total Depth (ft-bmp)</b>	<b>Water Column Height (ft)</b>	<b>LNAPL Thickness (ft-bmp)</b>	<b>One (1) Casing Volume (gallons)</b>	<b>Three (3) Casing Volumes (gallons)</b>	<b>Above Screen Volume</b>	<b>Screen Volume</b>			
NA	5.48	17.78	-	NA	-	-	-	-			
<b>Well Diameter (in)</b>				<b>Gallons/Foot</b>				<b>Field Equipment:</b> Horiba, 2-stage pump <i>low-flow</i>			
				0.75	②	4	6	<b>Purge Method:</b> 2-stage pump <i>low-flow</i>			
0.75	②	4	6	0.02	0.16	0.65	1.47	<b>Well Condition:</b> <i>Good</i>			
<b>Time</b>	<b>Casing / Screen</b>	<b>Volume Purged (gallons)</b>	<b>Flow Rate (gpm)</b>	<b>Water Level (ft-bmp)</b>	<b>pH</b>	<b>Temperature (°C)</b>	<b>Turbidity (NTU)</b>	<b>Conductivity (<math>\mu\text{m}</math>)</b>	<b>Dissolved Oxygen (mg/L)</b>	<b>ORP (mV)</b>	<b>Observations</b>
1454		∅	125 ml/min	5.60	7.60	23.5	29.2	0.29	1.91	-162	<i>clear</i>
1456		250	↓	5.61	7.57	20.5	19.8	0.30	1.90	-159	↓
1458		500		5.64	7.60	20.7	18.9	0.31	1.88	-160	
1500		750		5.66	7.61	20.8	17.7	0.31	1.85	-158	
1502		1000		5.70	7.60	20.9	17.1	0.32	1.83	-157	
<b>Purge Start Time</b>	<b>Purge End Time</b>	<b>Average Flow (gpm)</b>	<b>Total Gallons Purged</b>	<b>Total Casing Volumes Purged</b>	<b>80% Recovery Water Level Depth</b>	<b>Water Level at Sampling Time (ft-bmp)</b>	<b>Sample Collection Time</b>	<b>Sample Identification</b>			
1454	1502	125 ml	1000 ml	-	-	5.70	1506	MW-1			
<b>Notes:</b> <i>chased threads / replaced bolts</i>											



# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name: Mission Valley Rock</b>						<b>Date: 9-11-07</b>					
<b>Project No.: EM5009C</b>						<b>Prepared By: Michael Schenone</b>					
<b>Well Identification: MW - 9LF</b>						<b>Weather: HOT, DRY</b>			<b>Screen:</b>		
<b>Measurement Point Description: TOC North</b>						<b>Pump Intake: 35'</b>					
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	7.00	39.11	-	NA	-	-	-	-			
<b>Well Diameter (in)</b>			<b>Gallons/Foot</b>				<b>Field Equipment: Horiba, 2-stage pump Low-flow</b>				
			0.75	2	4	6	<b>Purge Method: 2-stage pump Low-flow</b>				
0.75	2	4	6	0.02	0.16	0.65	1.47	<b>Well Condition: Good</b>			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (µm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1516		0	125 ml/min	7.20	7.87	21.4	13.7	0.27	1.75	-162	Clear
1518		250	↓	7.20	7.90	20.9	12.8	0.24	1.65	-162	↓
1520		500		7.20	7.87	20.7	11.9	0.23	1.50	-162	
1522		750		7.21	7.86	20.7	12.9	0.23	1.51	-163	
1524		1000		7.21	7.86	20.7	12.3	0.23	1.50	-163	
1526		1250		7.22	7.85	20.6	11.9	0.23	1.49	-163	
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1516	1526	125 ml	1250 ml	-	-	7.22	1530	MW-9LF			
<b>Notes:</b>											

ft-bmp = feet below measuring point  
 G:\TEM\FORMS\Well Sampling Field Data Sheet.doc



### Groundwater Sampling Data Sheet

<b>Project Name: Mission Valley Rock</b>					<b>Date: 9-11-07</b>						
<b>Project No.: EM5009C</b>					<b>Prepared By: Michael Schenone</b>						
<b>Well Identification: MW-2S</b>					<b>Weather: HOT, DRY</b>			<b>Screen:</b>			
<b>Measurement Point Description: TOC North</b>					<b>Pump Intake: 8'</b>						
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	6.45	8.71	-	NA	-	-	-	-			
<b>Well Diameter (In)</b>		<b>Gallons/Foot</b>			<b>Field Equipment: Horiba, 2-stage pump low-flow</b>						
		0.75	2	4	6	<b>Purge Method: 2-stage pump low-flow</b>					
0.75	2	4	6	0.02	0.16	0.65	1.47	<b>Well Condition: Good</b>			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (µm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1546		0	62 ml/min	6.55	7.81	23.1	6.9	0.22	1.46	-158	↓ clear ↓
1548		125		6.58	7.69	23.3	8.3	0.22	1.34	-157	
1550		250		6.64	7.65	23.3	8.9	0.22	1.35	-157	
1552		375		6.69	7.63	23.4	9.4	0.22	1.33	-157	
1554		500		6.75	7.61	23.4	9.7	0.22	1.34	-157	
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1546	1554	62 ml	500	-	-	6.75	1600	MW-2S			
<b>Notes: chased threads / replaced bolts</b>											



# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: <b>Mission Valley Rock</b>						Date: <b>9-11-07</b>						
Project No.: <b>EM5009C</b>						Prepared By: <b>Michael Schenone</b>						
Well Identification: <b>MW-11S</b>						Weather: <b>Hot, Dry</b>			Screen:			
Measurement Point Description: <b>TOC North</b>						Pump Intake: <b>9'</b>						
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume				
NA	7.10	9.43	-	NA	-	-	-	-				
Well Diameter (in)				Gallons/Foot			Field Equipment: <b>Horiba, 2-stage pump Low-flow</b>					
				0.75	2	4	6	Purge Method: <b>2-stage pump Low-flow</b>				
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: <b>Good</b>				
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (µm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations	
1612		0	62 ml/min	7.12	7.58	22.6	45.1	0.21	1.47	-161	clear	
1614		125	↓	7.14	7.59	<del>28.4</del> 22.2	28.4	0.21	1.45	-161	↓	
1616		250		7.18	7.60	22.0	30.4	0.20	1.46	-163		
1618		375		7.19	7.62	21.9	29.8	0.20	1.45	-163		
1620		500		7.20	7.64	21.9	28.1	0.20	1.44	-164		
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification				
1612	1620	62 ml	500 ml	-	-	7.20	1624	MW-11S				
Notes: <b>chased threads / replaced bottles</b>												





# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name:</b> Mission Valley Rock						<b>Date:</b> 9-11-07					
<b>Project No.:</b> EM5009C						<b>Prepared By:</b> Michael Schenone					
<b>Well Identification:</b> MW-10d						<b>Weather:</b> Hot, Dry			<b>Screen:</b>		
<b>Measurement Point Description:</b> TOC North						<b>Pump Intake:</b> 16'					

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	8.50	19.38	-	NA	-	-	-	-

<b>Well Diameter (in)</b>	<b>Gallons/Foot</b>			<b>Field Equipment:</b> Horiba, 2-stage pump low-flow							
	0.75	2	4	6	<b>Purge Method:</b> 2 stage pump low-flow						
0.75	2	4	6	0.02	0.16	0.65	1.47	<b>Well Condition:</b> Good			

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1636		∅		8.51	7.50	22.6	148.5	0.36	1.68	-184	
1638		250		8.51	7.57	22.0	78.3	0.38	1.61	-188	cloudy
1640		500		8.51	7.60	21.8	70.5	0.39	1.57	-191	clear
1642		750		8.51	7.68	21.8	69.5	0.43	1.40	-197	↓
1644		1000		8.51	7.81	21.8	64.7	0.44	1.36	-198	
1646		1250		8.51	7.82	21.8	62.9	0.44	1.36	-200	
1648		1500		8.51	7.85	21.8	63.5	0.44	1.35	-200	

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1636	1648	125 ml	1500 ml	-	-	8.51	1658	MW-10d

**Notes:** chased threads / replaced bolts



# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name:</b> Mission Valley Rock					<b>Date:</b> 9-12-07				
<b>Project No.:</b> EM5009C					<b>Prepared By:</b> Michael Schenone				
<b>Well Identification:</b> MW-11d					<b>Weather:</b> Cool, Dry			<b>Screen:</b>	
<b>Measurement Point Description:</b> TOC North					<b>Pump Intake:</b> 16'				

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	8.08	20.50	-	NA	-	-	-	-

<b>Well Diameter (in)</b>	<b>Gallons/Foot</b>				<b>Field Equipment:</b> Horiba, 2-stage pump Low-flow			
	0.75	2	4	6	<b>Purge Method:</b> 2-stage pump Low-flow			
0.75	2	4	6	0.02	0.16	0.65	1.47	<b>Well Condition:</b> Good

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1028		∅	125 ml/min	8.10	8.01	19.4	80.9	0.17	2.11	-107	Clear / odor
1030		250	↓	8.10	7.88	19.3	79.9	0.17	1.85	-115	Screen
1032		500	↓	8.10	7.80	19.3	77.2	0.17	1.77	-121	↓
1034		750	↓	8.11	7.79	19.4	74.9	0.17	1.74	-122	↓
1036		1000	↓	8.11	7.78	19.4	77.8	0.17	1.79	-124	↓

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1028	1036	125 ml	1000 ml	-	-	8.11	1041	MW-11d

**Notes:** chased threads / replaced bolts



# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name:</b> Mission Valley Rock						<b>Date:</b> 9-12-07					
<b>Project No.:</b> EM5009C						<b>Prepared By:</b> Michael Schenone					
<b>Well Identification:</b> MW-60						<b>Weather:</b> Hot, Dry			<b>Screen:</b>		
<b>Measurement Point Description:</b> TOC North						<b>Pump Intake:</b> 24'					
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	7.46	29.15	-	NA	-	-	-	-			
<b>Well Diameter (in)</b>				<b>Gallons/Foot</b>				<b>Field Equipment:</b> Horiba, 2-stage pump low flow			
				0.75	2	4	6	<b>Purge Method:</b> 2-stage pump low flow			
0.75	2	4	6	0.02	0.16	0.85	1.47	<b>Well Condition:</b> Good			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1105		0	125 ml/min	7.58	7.60	19.7	43.6	0.18	1.95	-137	clear / odor
1107		250		7.58	7.61	19.9	38.0	0.19	1.90	-138	
1109		500		7.58	7.62	20.0	35.3	0.20	1.79	-138	
1111		750		7.58	7.63	20.0	33.1	0.20	1.75	-139	
1113		1000		7.58	7.64	20.1	34.9	0.20	1.72	-139	
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1105	1113	125 ml	1000 ml	-	-	7.58	1117	MW-60			
<b>Notes:</b> chased threads / replaced bolts											



# Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

<b>Project Name:</b> Mission Valley Rock						<b>Date:</b> 9-12-07					
<b>Project No.:</b> EM5009C						<b>Prepared By:</b> Michael Schenone					
<b>Well Identification:</b> MW-9d						<b>Weather:</b> Hot, Dry			<b>Screen:</b>		
<b>Measurement Point Description:</b> TOC North						<b>Pump Intake:</b> 20'					

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
NA	6.67	24.28	-	NA	-	-	-	-

<b>Well Diameter (in)</b>	<b>Gallons/Foot</b>				<b>Field Equipment:</b> Horiba, 2-stage pump low-flow			
	0.75	2	4	6	<b>Purge Method:</b> 2-stage pump low-flow			
0.75	2	4	6	0.02	0.16	0.65	1.47	<b>Well Condition:</b> Good, needs new gasket *

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1148		0	125 ml / min	6.88	7.68	19.0	55.2	0.27	2.01	-142	clear/odour
1150		250	↓	6.90	7.67	18.9	56.1	0.28	1.80	-143	↓
1152		500		6.94	7.67	18.9	57.3	0.28	1.75	-144	
1154		750		6.97	7.67	18.9	56.2	0.28	1.74	-144	
1156		1000		7.02	7.67	18.9	54.8	0.28	1.73	-145	

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1148	1156	125 ml	1000 ml	-	-	7.02	1159	MW-9d

**Notes:** chased threads / replaced bolts  
\* gasket needs replacing (well box)



### Groundwater Sampling Data Sheet

<b>Project Name: Mission Valley Rock</b>					<b>Date: 9-12-07</b>						
<b>Project No.: EM5009C</b>					<b>Prepared By: Michael Schenone</b>						
<b>Well Identification: MW-7d</b>					<b>Weather: Hot, Dry</b>		<b>Screen:</b>				
<b>Measurement Point Description: TOC North</b>					<b>Pump Intake: 20'</b>						
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume			
NA	6.59	23.61	-	NA	-	-	-	-			
<b>Well Diameter (In)</b>		<b>Gallons/Foot</b>			<b>Field Equipment: Horiba, 2-stage pump Low-flow</b>						
0.75		2	4	6	<b>Purge Method: 2-stage pump Low-flow</b>						
0.75	2	4	6	0.02	0.16	0.65	1.47	<b>Well Condition: wells good / well box broken</b>			
Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1215		0	125 ml / min	6.75	7.77	19.7	54.9	0.23	7.90	-195	clear / odour
1217		250		6.88	7.80	19.7	56.6	0.21	7.73	-199	
1219		500		6.89	7.83	19.8	57.9	0.21	7.52	-202	
1221		750		6.93	7.84	19.7	59.6	0.20	7.48	-203	
1223		1000		6.98	7.84	19.7	58.2	0.20	7.47	-204	
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
1215	1223	125 ml	1000 ml	-	-	6.98	1228	MW-7d			
<b>Notes: * well box broken - needs replacement.</b>											

ft-bmp = feet below measuring point  
 G:\TEM\Forms\Well Sampling Field Data Sheet.doc

**APPENDIX C**  
**CERTIFICATE OF DISPOSAL**

# IWM, Inc.

INTEGRATED WASTESTREAM MANAGEMENT, INC.  
1945 CONCOURSE DRIVE, SAN JOSE, CA 95131  
PHONE: 408.433.1990 FAX: 408.433.9521

## CERTIFICATE OF DISPOSAL

Generator Name: Mission Valley Rock Company  
Address: 7999 Athenour Way  
Sunol, CA 94586  
Contact: Mort Calvert  
Phone: 925.862.2257

Facility Name: Mission Valley Rock  
Address: 7999 Athenour Way  
Sunol, CA 94586  
Facility Contact: Mike Schenone, TAIT Environmental  
Phone: 916.858.1060

IWM Job #:	<u>97322-DW</u>
Description of Waste:	<u>1 Drum of</u> <u>Non-Hazardous</u> <u>Water</u>
Removal Date:	<u>10/4/07</u>
Ticket #:	<u>SP041007-MISC</u>

### Transporter Information

Name: IWM, Inc.  
Address: 1945 Concourse Drive  
San Jose, CA 95131  
Phone: (408) 433-1990

### Disposal Facility Information

Name: Seaport Refining & Environmental  
Address: 700 Seaport Blvd  
Redwood City, CA 94063  
Phone: (650) 364-1024

**IWM, INC. CERTIFIES THAT THE ABOVE LISTED NON-HAZARDOUS WASTE WILL BE TREATED AND DISPOSED AT THE DESIGNATED FACILITY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.**

William T. DeLon *William T. DeLon*  
Authorized Representative (Print Name and Signature)

10/4/07  
Date

**APPENDIX D**

**TEM LABORATORY REPORT**



20 September 2007

Michael Schenone  
Tait Environmental -- Rancho Cordova  
11280 Trade Center Drive  
Rancho Cordova, CA 95742  
RE: Mission Valley Rock

Enclosed are the results of analyses for samples received by the laboratory on 09/14/07 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Albert Vargas". The signature is written in a cursive style with a large, prominent initial "A".

Albert Vargas  
Project Coordinator

Tait Environmental -- Rancho Cordova  
11280 Trade Center Drive  
Rancho Cordova CA, 95742

Project: Mission Valley Rock  
Project Number: EM5009C  
Project Manager: Michael Schenone

**Reported:**  
09/20/07 17:00

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10LF	T701180-01	Water	09/11/07 13:58	09/14/07 10:30
MW-6S	T701180-02	Water	09/11/07 14:29	09/14/07 10:30
MW-1	T701180-03	Water	09/11/07 15:06	09/14/07 10:30
MW-9LF	T701180-04	Water	09/11/07 15:30	09/14/07 10:30
MW-2S	T701180-05	Water	09/11/07 16:00	09/14/07 10:30
MW-11S	T701180-06	Water	09/11/07 16:24	09/14/07 10:30
MW-10D	T701180-07	Water	09/11/07 16:58	09/14/07 10:30
MW-11D	T701180-08	Water	09/12/07 10:41	09/14/07 10:30
MW-6D	T701180-09	Water	09/12/07 11:17	09/14/07 10:30
MW-9D	T701180-10	Water	09/12/07 11:59	09/14/07 10:30
MW-7D	T701180-11	Water	09/12/07 12:28	09/14/07 10:30
MW-4S	T701180-12	Water	09/10/07 12:40	09/14/07 10:30
MW-4D	T701180-13	Water	09/10/07 13:00	09/14/07 10:30
MW-5S	T701180-14	Water	09/10/07 14:00	09/14/07 10:30
MW-7S	T701180-15	Water	09/10/07 14:42	09/14/07 10:30
MW-8	T701180-16	Water	09/10/07 15:10	09/14/07 10:30
MW-11LF	T701180-17	Water	09/10/07 15:40	09/14/07 10:30
MW-12S	T701180-18	Water	09/10/07 16:52	09/14/07 10:30
MW-12D	T701180-19	Water	09/11/07 09:30	09/14/07 10:30
MW-12LF	T701180-20	Water	09/11/07 10:12	09/14/07 10:30
MW-5D	T701180-21	Water	09/11/07 10:47	09/14/07 10:30
MW-3	T701180-22	Water	09/11/07 11:13	09/14/07 10:30
MW-10S	T701180-23	Water	09/11/07 11:47	09/14/07 10:30
MW-2D	T701180-24	Water	09/11/07 12:19	09/14/07 10:30
MW-2M	T701180-25	Water	09/11/07 12:44	09/14/07 10:30
MW-9S	T701180-26	Water	09/11/07 13:21	09/14/07 10:30

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-10LF**  
**T701180-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>130</b>	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.7 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		119 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>3.0</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.0 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		86.9 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.4 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-6S**  
**T701180-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>370</b>	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.1 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

<b>Diesel Range Hydrocarbons</b>	<b>0.93</b>	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	D-02
<i>Surrogate: p-Terphenyl</i>		107 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1.3</b>	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>48</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.2 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		85.8 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.5 %	85-115		"	"	"	"	

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Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-1**  
**T701180-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>270</b>	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.6 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		109 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

<b>Benzene</b>	<b>0.80</b>	0.50	ug/l	1	7091708	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.8 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		83.4 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.6 %	85-115		"	"	"	"	

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 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-9LF**  
**T701180-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>320</b>	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.4 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		109 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

<b>Benzene</b>	<b>2.5</b>	0.50	ug/l	1	7091708	09/17/07	09/17/07	EPA 8260B	
<b>Toluene</b>	<b>0.59</b>	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>1.3</b>	1.0	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>0.64</b>	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.9 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		83.1 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.6 %	85-115		"	"	"	"	

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 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-2S**  
**T701180-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.9 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

<b>Diesel Range Hydrocarbons</b>	<b>17</b>	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	D-02
<i>Surrogate: p-Terphenyl</i>		108 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	2.5	ug/l	5	7091708	09/17/07	09/18/07	EPA 8260B	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	10	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>46</b>	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.1 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	85-115		"	"	"	"	

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Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-11S**  
**T701180-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.0 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		104 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/18/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>2.8</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.0 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		82.1 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.0 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator



Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-10D**  
**T701180-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>780</b>	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.0 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		109 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/18/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1.7</b>	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.8 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		81.9 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.9 %	85-115		"	"	"	"	

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Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-11D**  
**T701180-08 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>3000</b>	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		404 %	65-135		"	"	"	"	S-02

**Extractable Petroleum Hydrocarbons by 8015m**

<b>Diesel Range Hydrocarbons</b>	<b>21</b>	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	D-02
<i>Surrogate: p-Terphenyl</i>		116 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

<b>Benzene</b>	<b>3.6</b>	0.50	ug/l	1	7091708	09/17/07	09/18/07	EPA 8260B	
<b>Toluene</b>	<b>4.0</b>	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>7.9</b>	0.50	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>12</b>	1.0	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>10</b>	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>8.5</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		82.2 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.8 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-6D**  
**T701180-09 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>130</b>	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.8 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		105 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/18/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>28</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.2 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		80.6 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.0 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-9D**  
**T701180-10 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>36000</b>	250	ug/l	5	7091706	09/17/07	09/18/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.2 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

<b>Diesel Range Hydrocarbons</b>	<b>4.4</b>	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	D-02
<i>Surrogate: p-Terphenyl</i>		115 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

<b>Benzene</b>	<b>990</b>	12	ug/l	25	7091708	09/17/07	09/18/07	EPA 8260B	
<b>Toluene</b>	<b>5700</b>	120	"	250	"	"	09/18/07	"	
<b>Ethylbenzene</b>	<b>2800</b>	120	"	"	"	"	09/18/07	"	
<b>m,p-Xylene</b>	<b>2800</b>	25	"	25	"	"	09/18/07	"	
<b>o-Xylene</b>	<b>1800</b>	12	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	1	"	"	09/18/07	"	
<b>Tert-butyl alcohol</b>	<b>30</b>	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.5 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		76.6 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	85-115		"	"	09/18/07	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-7D**  
**T701180-11 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>15000</b>	250	ug/l	5	7091706	09/17/07	09/18/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		77.7 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

<b>Diesel Range Hydrocarbons</b>	<b>3.5</b>	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	D-02
<i>Surrogate: p-Terphenyl</i>		109 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

<b>Benzene</b>	<b>72</b>	0.50	ug/l	1	7091708	09/17/07	09/18/07	EPA 8260B	
<b>Toluene</b>	<b>340</b>	12	"	25	"	"	09/18/07	"	
<b>Ethylbenzene</b>	<b>1300</b>	12	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>1600</b>	25	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>340</b>	12	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	1	"	"	09/18/07	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.2 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		72.6 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		108 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-4S  
 T701180-12 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091706	09/17/07	09/18/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.6 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		105 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/18/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.8 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		84.5 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.9 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-4D  
 T701180-13 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091706	09/17/07	09/18/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.8 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		114 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/18/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.4 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		77.1 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.9 %	85-115		"	"	"	"	

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 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-5S  
 T701180-14 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.3 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/17/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		116 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>2.0</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.8 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		84.0 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.6 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator



Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-7S**  
**T701180-15 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>76</b>	<b>50</b>	<b>ug/l</b>	<b>1</b>	<b>7091706</b>	<b>09/17/07</b>	<b>09/18/07</b>	<b>EPA 8015m</b>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>83.2 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015m**

<b>Diesel Range Hydrocarbons</b>	<b>ND</b>	<b>0.50</b>	<b>mg/l</b>	<b>1</b>	<b>7091404</b>	<b>09/14/07</b>	<b>09/17/07</b>	<b>EPA 8015m</b>	
<i>Surrogate: p-Terphenyl</i>		<i>127 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/18/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>93.2 %</i>	<i>84-118</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Dibromofluoromethane</i>		<i>78.8 %</i>	<i>66-124</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>98.4 %</i>	<i>85-115</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-8  
 T701180-16 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.7 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/17/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		128 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.1 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		85.2 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.2 %	85-115		"	"	"	"	

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Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-11LF  
 T701180-17 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		84.5 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/17/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		135 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
<b>Tert-butyl alcohol</b>	<b>13</b>	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>190</b>	25	"	25	"	"	09/18/07	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.2 %	84-118		"	"	09/17/07	"	
<i>Surrogate: Dibromofluoromethane</i>		85.5 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.5 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-12S**  
**T701180-18 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.4 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/17/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		123 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.4 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		86.9 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.4 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-12D**  
**T701180-19 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.7 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/17/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		116 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.0 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		88.6 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.1 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-12LF**  
**T701180-20 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091706	09/17/07	09/17/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		82.4 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091404	09/14/07	09/17/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		122 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091708	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.2 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89.4 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.1 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-5D  
 T701180-21 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091707	09/17/07	09/18/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.2 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091403	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		117 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091709	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>1.2</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86.8 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		88.9 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.4 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-3**  
**T701180-22 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>60</b>	50	ug/l	1	7091707	09/17/07	09/18/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.0 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091403	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		110 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091709	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>27</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.9 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		88.9 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.0 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator



Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-10S  
 T701180-23 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

C6-C12 (GRO)	ND	50	ug/l	1	7091707	09/17/07	09/18/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		82.4 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

Diesel Range Hydrocarbons	ND	0.50	mg/l	1	7091403	09/14/07	09/15/07	EPA 8015m	
<i>Surrogate: p-Terphenyl</i>		105 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091709	09/17/07	09/17/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.9 %	84-118		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		87.1 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.1 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
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 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-2D**  
**T701180-24 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>120</b>	50	ug/l	1	7091707	09/17/07	09/18/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.2 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

<b>Diesel Range Hydrocarbons</b>	<b>4.6</b>	0.50	mg/l	1	7091403	09/14/07	09/15/07	EPA 8015m	D-02
<i>Surrogate: p-Terphenyl</i>		103 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091709	09/17/07	09/18/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>15</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.1 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92.0 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.5 %	85-115		"	"	"	"	

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 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-2M  
 T701180-25 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>220</b>	50	ug/l	1	7091707	09/17/07	09/18/07	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.8 %	65-135		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015m**

<b>Diesel Range Hydrocarbons</b>	<b>4.9</b>	0.50	mg/l	1	7091403	09/14/07	09/15/07	EPA 8015m	D-02
<i>Surrogate: p-Terphenyl</i>		110 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091709	09/17/07	09/18/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>14</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.4 %	84-118		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89.2 %	66-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.5 %	85-115		"	"	"	"	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**MW-9S**  
**T701180-26 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

<b>C6-C12 (GRO)</b>	<b>52</b>	<b>50</b>	<b>ug/l</b>	<b>1</b>	<b>7091707</b>	<b>09/17/07</b>	<b>09/18/07</b>	<b>EPA 8015m</b>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>78.4 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015m**

<b>Diesel Range Hydrocarbons</b>	<b>ND</b>	<b>0.50</b>	<b>mg/l</b>	<b>1</b>	<b>7091403</b>	<b>09/14/07</b>	<b>09/15/07</b>	<b>EPA 8015m</b>	
<i>Surrogate: p-Terphenyl</i>		<i>109 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	7091709	09/17/07	09/18/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>82.0 %</i>	<i>84-118</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>S-GC</i>
<i>Surrogate: Dibromofluoromethane</i>		<i>86.2 %</i>	<i>66-124</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>97.0 %</i>	<i>85-115</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**Purgeable Petroleum Hydrocarbons by EPA 8015m - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7091706 - EPA 5030 GC**

**Blank (7091706-BLK1)**

Prepared & Analyzed: 09/17/07

Surrogate: 4-Bromofluorobenzene	161		ug/l	200		80.5	65-135			
C6-C12 (GRO)	ND	50	"							

**LCS (7091706-BS1)**

Prepared: 09/17/07 Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	239		ug/l	200		120	65-135			
C6-C12 (GRO)	5510	50	"	5500		100	75-125			

**Matrix Spike (7091706-MS1)**

Source: T701180-20

Prepared: 09/17/07 Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	208		ug/l	200		104	65-135			
C6-C12 (GRO)	5010	50	"	5500	ND	91.1	65-135			

**Matrix Spike Dup (7091706-MSD1)**

Source: T701180-20

Prepared: 09/17/07 Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	203		ug/l	200		101	65-135			
C6-C12 (GRO)	5230	50	"	5500	ND	95.1	65-135	4.30	20	

**Batch 7091707 - EPA 5030 GC**

**Blank (7091707-BLK1)**

Prepared: 09/17/07 Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	160		ug/l	200		80.0	65-135			
C6-C12 (GRO)	ND	50	"							

**LCS (7091707-BS1)**

Prepared: 09/17/07 Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	234		ug/l	200		117	65-135			
C6-C12 (GRO)	5160	50	"	5500		93.9	75-125			

**LCS Dup (7091707-BSD1)**

Prepared: 09/17/07 Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	231		ug/l	200		115	65-135			
C6-C12 (GRO)	5340	50	"	5500		97.0	75-125	3.31	20	

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Albert Vargas, Project Coordinator

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 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**Extractable Petroleum Hydrocarbons by 8015m - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7091403 - EPA 3510C GC**

**Blank (7091403-BLK1)**

Prepared: 09/14/07 Analyzed: 09/15/07

Surrogate: <i>p</i> -Terphenyl	4.57		mg/l	4.00		114	65-135			
Diesel Range Hydrocarbons	ND	0.50	"							

**LCS (7091403-BS1)**

Prepared: 09/14/07 Analyzed: 09/15/07

Surrogate: <i>p</i> -Terphenyl	4.36		mg/l	4.00		109	65-135			
Diesel Range Hydrocarbons	19.2	0.50	"	20.0		96.2	75-125			

**Matrix Spike (7091403-MS1)**

Source: T701180-21

Prepared: 09/14/07 Analyzed: 09/15/07

Surrogate: <i>p</i> -Terphenyl	4.27		mg/l	4.00		107	65-135			
Diesel Range Hydrocarbons	19.9	0.50	"	20.0	ND	99.4	75-125			

**Matrix Spike Dup (7091403-MSD1)**

Source: T701180-21

Prepared: 09/14/07 Analyzed: 09/15/07

Surrogate: <i>p</i> -Terphenyl	4.41		mg/l	4.00		110	65-135			
Diesel Range Hydrocarbons	20.2	0.50	"	20.0	ND	101	75-125	1.80	20	

**Batch 7091404 - EPA 3510C GC**

**Blank (7091404-BLK1)**

Prepared: 09/14/07 Analyzed: 09/15/07

Surrogate: <i>p</i> -Terphenyl	4.28		mg/l	4.00		107	65-135			
Diesel Range Hydrocarbons	ND	0.50	"							

**LCS (7091404-BS1)**

Prepared: 09/14/07 Analyzed: 09/17/07

Surrogate: <i>p</i> -Terphenyl	4.82		mg/l	4.00		120	65-135			
Diesel Range Hydrocarbons	17.7	0.50	"	20.0		88.5	75-125			

**Matrix Spike (7091404-MS1)**

Source: T701180-03

Prepared: 09/14/07 Analyzed: 09/17/07

Surrogate: <i>p</i> -Terphenyl	4.73		mg/l	4.00		118	65-135			
Diesel Range Hydrocarbons	18.1	0.50	"	20.0	ND	90.6	75-125			

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
11280 Trade Center Drive  
Rancho Cordova CA, 95742

Project: Mission Valley Rock  
Project Number: EM5009C  
Project Manager: Michael Schenone

**Reported:**  
09/20/07 17:00

**Extractable Petroleum Hydrocarbons by 8015m - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7091404 - EPA 3510C GC**

**Matrix Spike Dup (7091404-MSD1)**

**Source: T701180-03**

Prepared: 09/14/07

Analyzed: 09/18/07

Surrogate: <i>p</i> -Terphenyl	5.11		mg/l	4.00		128	65-135			
Diesel Range Hydrocarbons	18.6	0.50	"	20.0	ND	93.1	75-125	2.70	20	

SunStar Laboratories, Inc.

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7091708 - EPA 5030 GCMS**

**Blank (7091708-BLK1)**

Prepared & Analyzed: 09/17/07

Surrogate: 4-Bromofluorobenzene	7.46		ug/l	8.00		93.2	84-118			
Surrogate: Dibromofluoromethane	6.67		"	8.00		83.4	66-124			
Surrogate: Toluene-d8	7.90		"	8.00		98.8	85-115			
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							

**LCS (7091708-BS1)**

Prepared: 09/17/07 Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	7.48		ug/l	8.00		93.5	84-118			
Surrogate: Dibromofluoromethane	6.29		"	8.00		78.6	66-124			
Surrogate: Toluene-d8	8.04		"	8.00		100	85-115			
Benzene	19.1	0.50	"	20.0		95.4	75-125			
Toluene	19.7	0.50	"	20.0		98.4	75-125			

**Matrix Spike (7091708-MS1)**

Source: T701180-18

Prepared: 09/17/07 Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	7.56		ug/l	8.00		94.5	84-118			
Surrogate: Dibromofluoromethane	6.35		"	8.00		79.4	66-124			
Surrogate: Toluene-d8	7.89		"	8.00		98.6	85-115			
Benzene	18.1	0.50	"	20.0	ND	90.7	75-125			
Toluene	18.9	0.50	"	20.0	ND	94.3	75-125			

SunStar Laboratories, Inc.

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Albert Vargas, Project Coordinator



Tait Environmental -- Rancho Cordova  
 11280 Trade Center Drive  
 Rancho Cordova CA, 95742

Project: Mission Valley Rock  
 Project Number: EM5009C  
 Project Manager: Michael Schenone

**Reported:**  
 09/20/07 17:00

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7091708 - EPA 5030 GCMS**

**Matrix Spike Dup (7091708-MSD1)**

**Source: T701180-18**

Prepared: 09/17/07

Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	7.49		ug/l	8.00		93.6	84-118			
Surrogate: Dibromofluoromethane	6.45		"	8.00		80.6	66-124			
Surrogate: Toluene-d8	8.01		"	8.00		100	85-115			
Benzene	19.3	0.50	"	20.0	ND	96.6	75-125	6.35	20	
Toluene	19.9	0.50	"	20.0	ND	99.6	75-125	5.42	20	

**Batch 7091709 - EPA 5030 GCMS**

**Blank (7091709-BLK1)**

Prepared & Analyzed: 09/17/07

Surrogate: 4-Bromofluorobenzene	6.89		ug/l	8.00		86.1	84-118			
Surrogate: Dibromofluoromethane	6.65		"	8.00		83.1	66-124			
Surrogate: Toluene-d8	7.29		"	8.00		91.1	85-115			
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							

**LCS (7091709-BS1)**

Prepared: 09/17/07 Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	6.61		ug/l	8.00		82.6	84-118			S-GC
Surrogate: Dibromofluoromethane	6.81		"	8.00		85.1	66-124			
Surrogate: Toluene-d8	7.59		"	8.00		94.9	85-115			
Benzene	17.6	0.50	"	20.0		88.2	75-125			
Toluene	16.9	0.50	"	20.0		84.7	75-125			

SunStar Laboratories, Inc.



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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
11280 Trade Center Drive  
Rancho Cordova CA, 95742

Project: Mission Valley Rock  
Project Number: EM5009C  
Project Manager: Michael Schenone

**Reported:**  
09/20/07 17:00

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7091709 - EPA 5030 GCMS**

**LCS Dup (7091709-BSD1)**

Prepared: 09/17/07 Analyzed: 09/18/07

Surrogate: 4-Bromofluorobenzene	6.69		ug/l	8.00		83.6	84-118			S-GC
Surrogate: Dibromofluoromethane	6.83		"	8.00		85.4	66-124			
Surrogate: Toluene-d8	7.60		"	8.00		95.0	85-115			
Benzene	19.5	0.50	"	20.0		97.3	75-125	9.81	20	
Toluene	19.2	0.50	"	20.0		96.0	75-125	12.5	20	

SunStar Laboratories, Inc.

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Albert Vargas, Project Coordinator

Tait Environmental -- Rancho Cordova  
11280 Trade Center Drive  
Rancho Cordova CA, 95742

Project: Mission Valley Rock  
Project Number: EM5009C  
Project Manager: Michael Schenone

**Reported:**  
09/20/07 17:00

### Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

D-02 Hydrocarbon pattern present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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SunStar Laboratories, Inc.

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Albert Vargas, Project Coordinator

SunStar Laboratories, Inc.  
 3002 Dow Ave., Ste. 212  
 Tustin, CA 92780  
 714-505-4010

### Chain of Custody Record

Client: Tait Environmental  
 Address: 11280 Trade Center Drive  
 Phone: 916 764-1239 Fax: 916 358-1011  
 Project Manager: Nike Schenone

Date: 9-13-07 Page: 1 of 2  
 Project Name: Mission Valley Park  
 Collector: M. Schenone Client Project #: EM5009C  
 Batch #: T701180

COC 72602

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers	
MW-4S	9-10-07	1240	GRAB	VCA													
MW-4d		1300					X			X	X			12		1	
MW-5S		1400					X			X	X			13			
MW-7S		1442					X			X	X			14			
MW-8		1510					X			X	X			15			
MW-11LF		1540					X			X	X			16			
MW-12S		1652					X			X	X			17			
MW-12d	9-11-07	930					X			X	X			18			
MW-12LF		1012					X			X	X			14			
MW-5d		1047					X			X	X			20			
MW-3		1113					X			X	X			21			
MW-10S		1147					X			X	X			22			
MW-2d		1219					X			X	X			23			
MW-2M		1244					X			X	X			24			
MW-9S		1321					X			X	X			25			
							X			X	X			26			
Relinquished by: (signature) <u>Michael Schenone</u> Date / Time <u>9-13-07 1415</u>			Received by: (signature) <u>[Signature]</u> Date / Time <u>9/13/07 1415</u>			Total # of containers		75		Notes		EDF					
Relinquished by: (signature)			Received by: (signature)			Chain of Custody seals Y/N/NA				Seals intact? Y/N/NA							
Relinquished by: (signature)			Received by: (signature)			Received good condition/cold											
Sample disposal instructions: Disposal @ \$2.00 each			Return to client			Pickup		Turn around time: <u>NORMAL</u>									

STD. TAT

p.2  
Bill Hannell Sunstar Labs 5307565698  
Sep 13 07 07:50p

T0600102092

SunStar Laboratories, Inc.  
 3002 Dow Ave., Ste. 212  
 Tustin, CA 92780  
 714-505-4010

### Chain of Custody Record

Client: Tait Environmental  
 Address: 11280 Trade Center Drive  
 Phone: (916) 764-1239 Fax: (916) 858-1011  
 Project Manager: Mike Schenone

Date: 9-13-07 Page: 2 Of 2  
 Project Name: Mission Valley Rock  
 Collector: M. Schenone Client Project #: EM5009C  
 Batch #: T701180 COC 72609

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers
MW-10LF	9-11-07	1358	GRAB	VOA			X			X	X			01		5
MW-6S		1429					X			X	X			02		↓
MW-1		1506					X			X	X			03		
MW-9LF		1530					X			X	X			04		
MW-2S		1600					X			X	X			05		
MW-11S		1624					X			X	X			06		
MW-10d		1658					X			X	X			07		
MW-11d	9-12-07	1041					X			X	X			08		
MW-6d		1117					X			X	X			09		
MW-9d		1159					X			X	X			10		
MW-7d		1228					X			X	X			11		
Relinquished by: (signature) <u>Michael Schenone</u> Date / Time <u>9-13-07 1415</u>														Total # of containers <b>55</b>	Notes <b>EDF # 70600102092</b>	
Relinquished by: (signature) <u>[Signature]</u> Date / Time <u>9-13-07 1415</u>																
Relinquished by: (signature) <u>[Signature]</u> Date / Time <u>9-14-07 10:30am</u>																
Received by: (signature) <u>[Signature]</u> Date / Time <u>9-13-07 1415</u>														Chain of Custody seals Y/N/NA		
Received by: (signature) <u>[Signature]</u> Date / Time <u>9-14-07 10:30am</u>														Seals intact? Y/N/NA		
Received by: (signature) <u>[Signature]</u> Date / Time <u>9-14-07 10:30am</u>														Received good condition/cold		
														Turn around time: <b>NORMAL</b>		

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_