

November 3, 2006

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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 2006** 

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 2006 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,

Lee W. Cover

Environmental Manager

Hanson Aggregates Mid-Pacific, Inc.

Lee W. L

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

## Third Quarter 2006 Groundwater Monitoring and Sampling Report

Mission Valley Rock Company 7999 Athenour Way Sunol, California

Prepared by: Tait Environmental Management, Inc.

November 3, 2006

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## Third Quarter 2006 **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

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# Third Quarter 2006 Groundwater Monitoring and Sampling Report Mission Valley Rock Company Sunol, California

#### 1.0 INTRODUCTION

This report summarizes the Third Quarter 2006 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 2006 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:

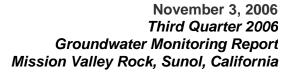
- Groundwater Monitoring & Sampling
- Laboratory Analyses
- Report Preparation
- Non-hazardous Waste Disposal

#### 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-52, 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 newly installed wells 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.

#### 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 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). 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 data 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 2006 groundwater monitoring data, the overall depth to groundwater at the site ranged from 3.90 feet bgs in well MW-4S to 10.69 feet bgs in well MW-12LF. In general, groundwater levels have declined three to five feet in most wells relative to the Second Quarter 2006 monitoring event.

Groundwater in the shallow-zone wells is generally flowing in an southeasterly direction at an approximate gradient of 0.009 foot/foot (ft/ft), although this direction was altered by a groundwater mound centered on wells MW-4S and MW-10S in the eastern part of the site (Figure 3). Groundwater in the deep-zone wells is flowing in an easterly to east-southeasterly direction at a gradient of approximately 0.012 ft/ft (Figure 4). Groundwater in the Livermore Formation is flowing in an easterly direction at a gradient of approximately to 0.006 ft/ft (Figure 5). The flow direction in each of the 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. The redi-mix pond located west of the asphalt plant was pumped out during the summer of 2006, and the water level in the pond dropped approximately 10 feet during this time. The lowering of the water level in the redi-mix pond may have affected the wells located closest to it and had less effect on the furthest wells (MW-4 and MW-10). Also, Pond 1, which is located about 500 feet northeast of the asphalt plant was mucked out during the summer, and the water level dropped about two feet. The resultant effect of this activity is not clear, however.

#### 5.0 GROUNDWATER MONITORING WELL PURGING AND SAMPLING

On September 05, 2006, 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 2006 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 05, 06, and 07, 2006, the groundwater monitoring wells were sampled using a Waterra inertial pump as part of the Third Quarter 2006 groundwater monitoring and sampling event. Groundwater samples were collected from 26 wells at the site. 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 175 gallons of purged groundwater were pumped into four steel 55-gallon drums during the sampling event. Groundwater samples were either collected from the discharge end of the pump at low-flow levels or disposable bailers and transferred into laboratory-supplied containers. Care was taken to ensure that no headspace was present in the containers.

Integrated Waste Management of Milpitas, California provided pick-up services for the drummed purge water generated by the monitoring activities. The drums were transported and disposed as non-hazardous water at Seaport Refining & Environmental in Redwood City, California on September 15, 2006. The Certificate of Disposal is contained in Appendix C.

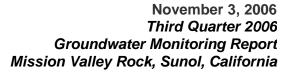
#### 6.0 LABORATORY ANALYSES

The groundwater samples collected during the Third Quarter 2006 groundwater monitoring and sampling event were analyzed for:

• The diesel and gasoline fractions of Total Petroleum Hydrocarbons (TPHd and TPHg, respectively) using EPA Method No. 8015M.

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 Benzene, toluene, ethylbenzene, total xylenes (BTEX); 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.

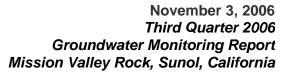
Contoured dissolved-phase TPHg concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 5, 7, and 8, respectively. Contoured dissolved-phase MTBE concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 9, 10, and 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.

Third Quarter 2006 groundwater analytical results are summarized in Table 3, and a copy of the laboratory analytical report is presented in Appendix D. Historical groundwater analytical results are summarized in Table 4.

#### 7.0 SUMMARY OF ACTIVITIES AND FINDINGS

Based upon the data presented in this report, previous investigations, current regulatory quidelines, 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 are three to four feet lower this quarter relative to the corresponding Second Quarter 2006 groundwater levels. The groundwater flow direction in all groundwater zones (shallow, deep, and Livermore Formation) is generally easterly to east-southeasterly at gradients ranging from 0.006 to 0.012 ft/ft.
- Twenty-six (26) groundwater samples were collected from the monitoring wells at the site, and they were delivered to SunStar for analysis.
- A maximum TPHd concentration of 210,000 micrograms per liter (μg/L) was detected in well MW-11D. TPHd concentrations appear to be localized in the southern part of the area.
- A maximum TPHg concentration of 71,000 µg/L was detected in well MW-7D. Highest concentrations of TPHg appear to be localized in the deep-zone wells in the north-central part of the area, particularly in the north 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.
- A maximum MTBE concentration of 200 µg/L was detected in well MW-6S. MTBE is localized in the southern part of the area in the vicinity of wells MW-2, MW-6, and MW-11. MTBE is notably absent in wells MW-7 and MW-9 in the northern part of the area.





- A maximum benzene concentration of 1,800 µg/L was detected in well MW-9D.
   Benzene tends to be localized in the northern part of the area in the vicinity of wells MW-7 and MW-9, although some lower level impacts were noted in well MW-11D.
- Concentration trends of toluene, ethylbenzene, and total xylenes are similar to those of benzene.
- 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 TPHd and MTBE concentrations
  tend to be localized in the groundwater in the southern part of the area, downgradient of
  the former USTs. The data suggest the presence of more than one source for detected
  hydrocarbons in groundwater.
- The lateral extent of hydrocarbons in groundwater has not been defined north and south
  of the former UST area.

#### 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.

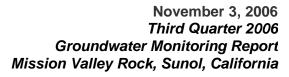
The program includes formal procedures for sampling, decontamination, instrument calibration, documentation of activities and calculations, and peer review. Routine QC procedures were performed by the laboratory and included daily calibration of instruments, percent surrogate recoveries and analysis 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.

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





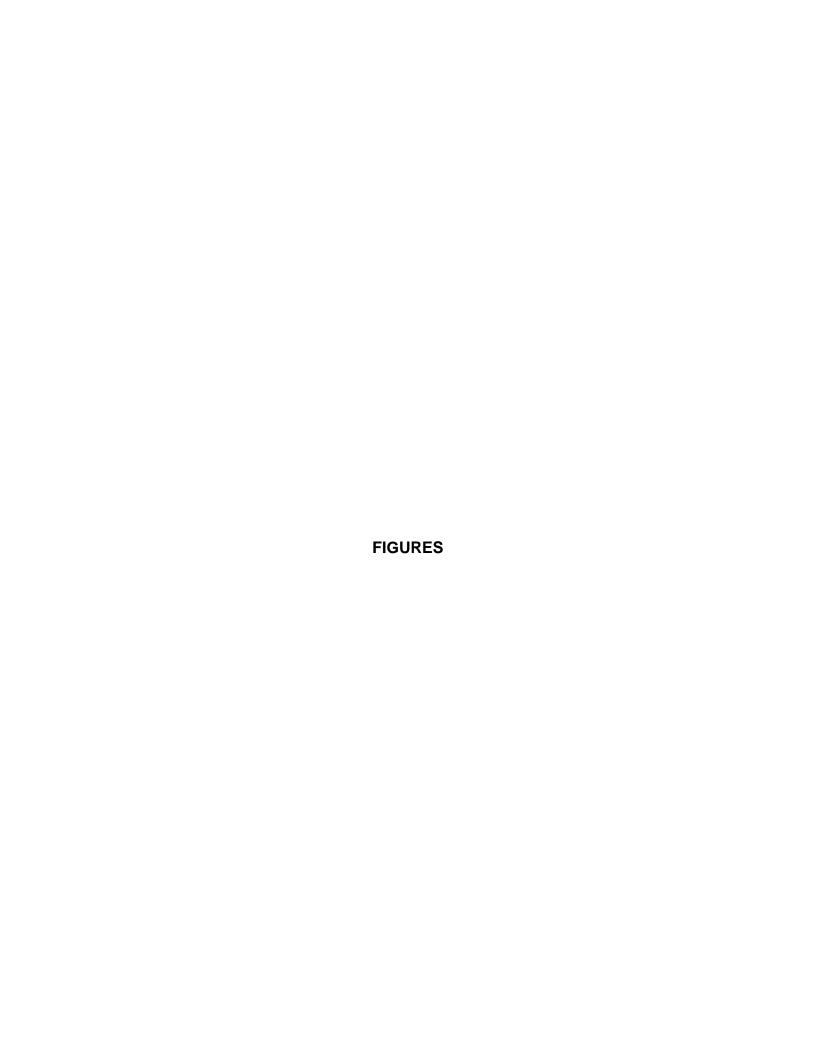
Tait Environmental Management, April 1, 2005, Site Assessment and First Quarter 2005 Groundwater Monitoring and Sampling Report, Mission Valley Rock Company, 7999 Athenour Way, Sunol, California 94586.

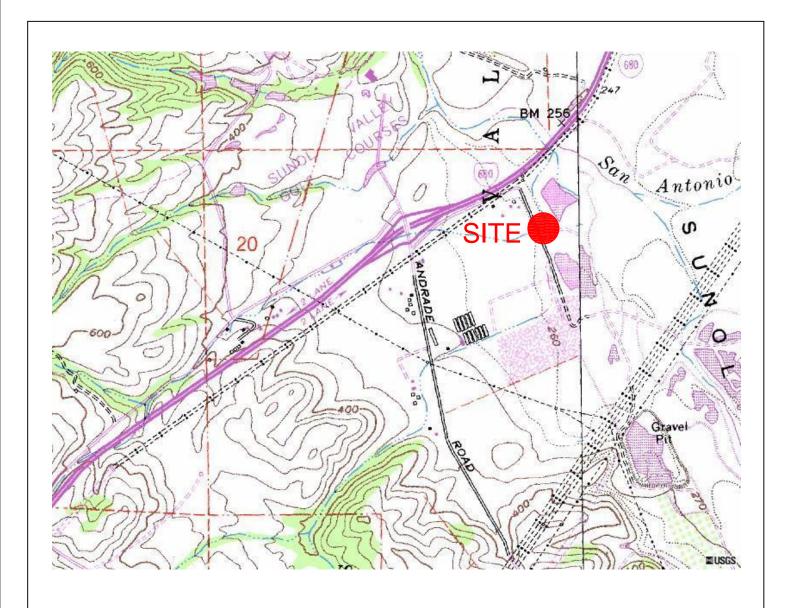
U.S. Geological Survey (USGS), 1989, Fremont 7.5 Minute Topographic Quadrangle Map, 1:24,000.

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

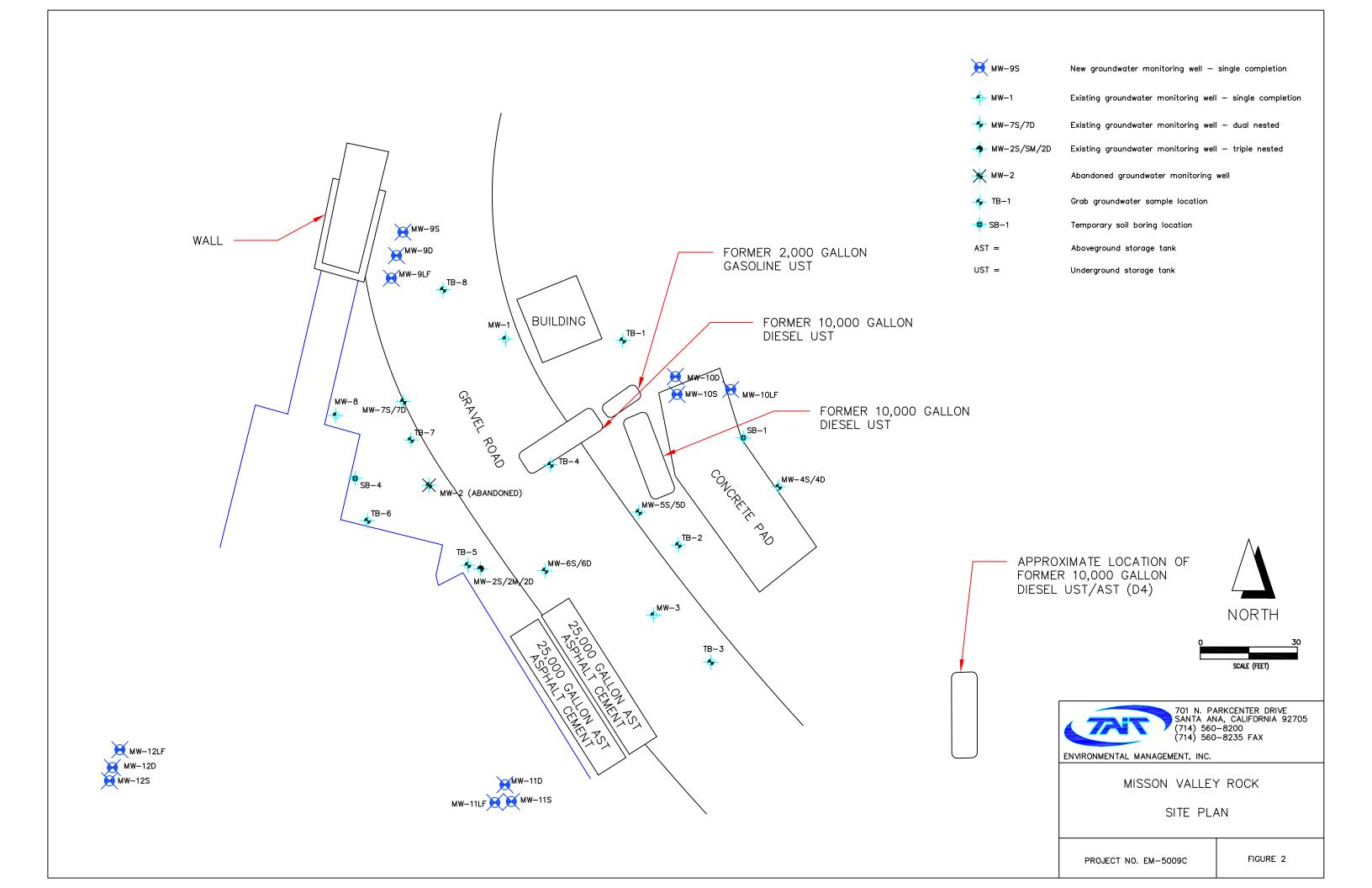


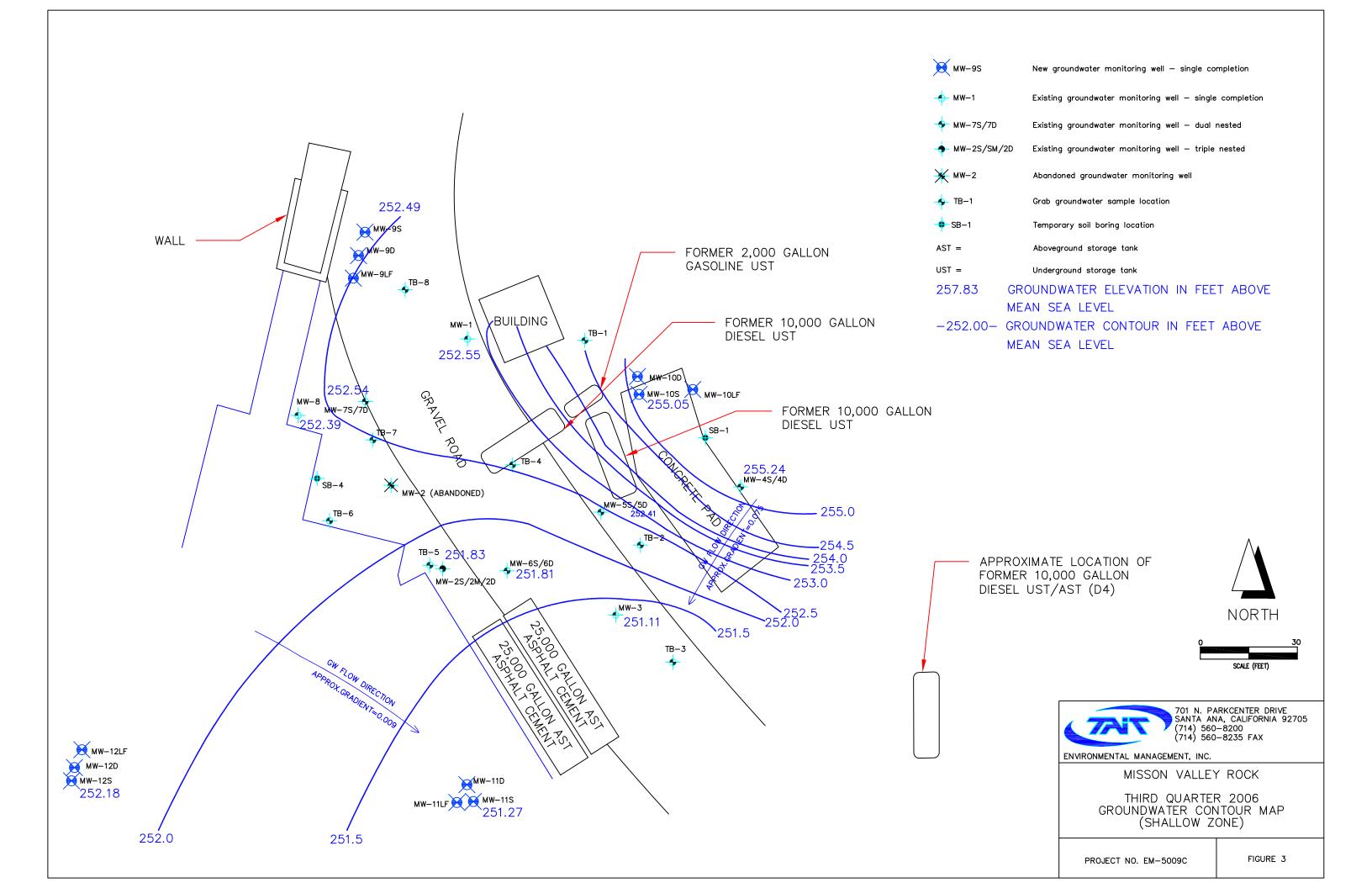
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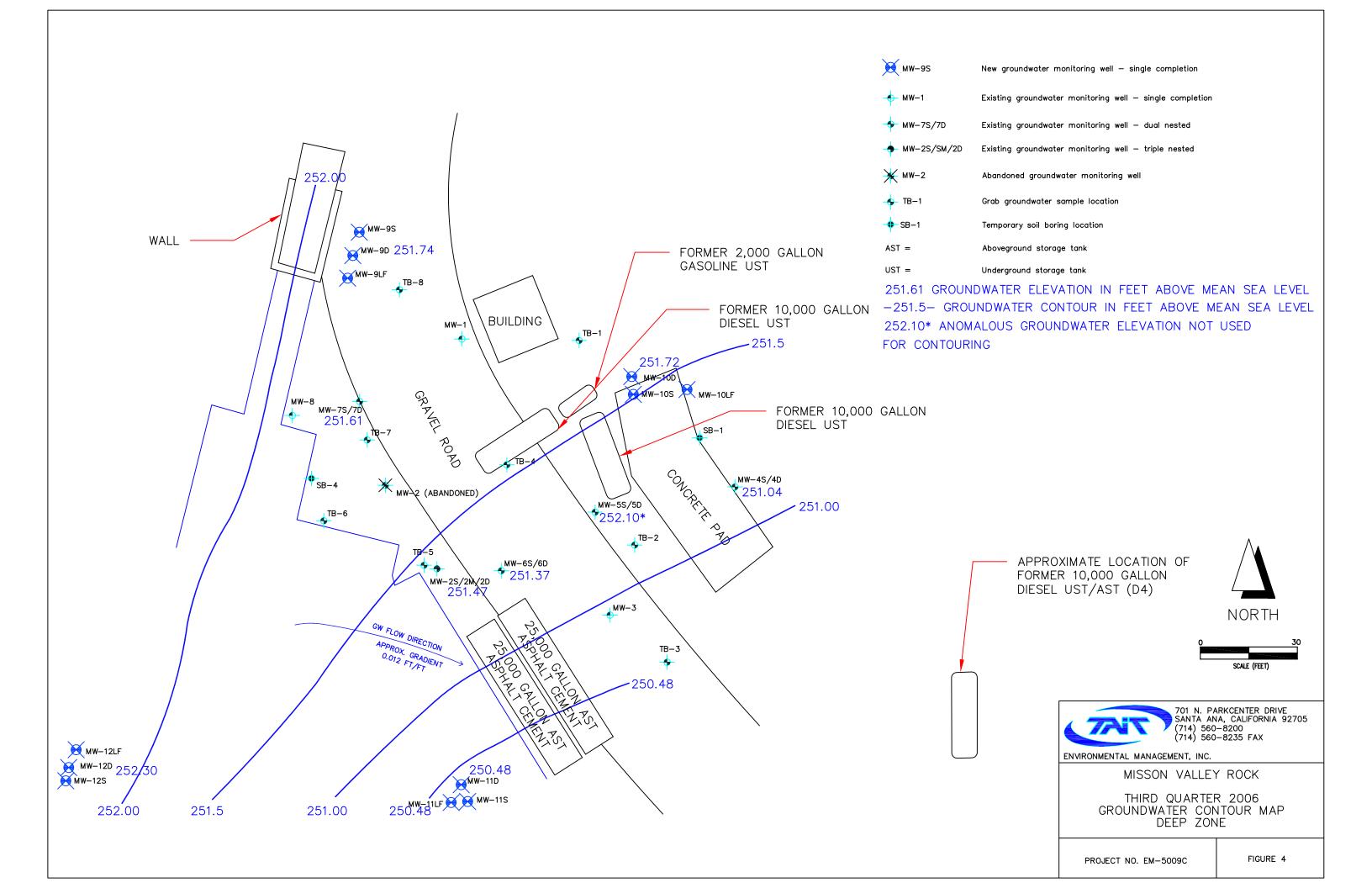
SITE VICINITY MAP MISSION VALLEY ROCK CO. 7999 ATHENOUR WAY SUNOL, CALIFORNIA

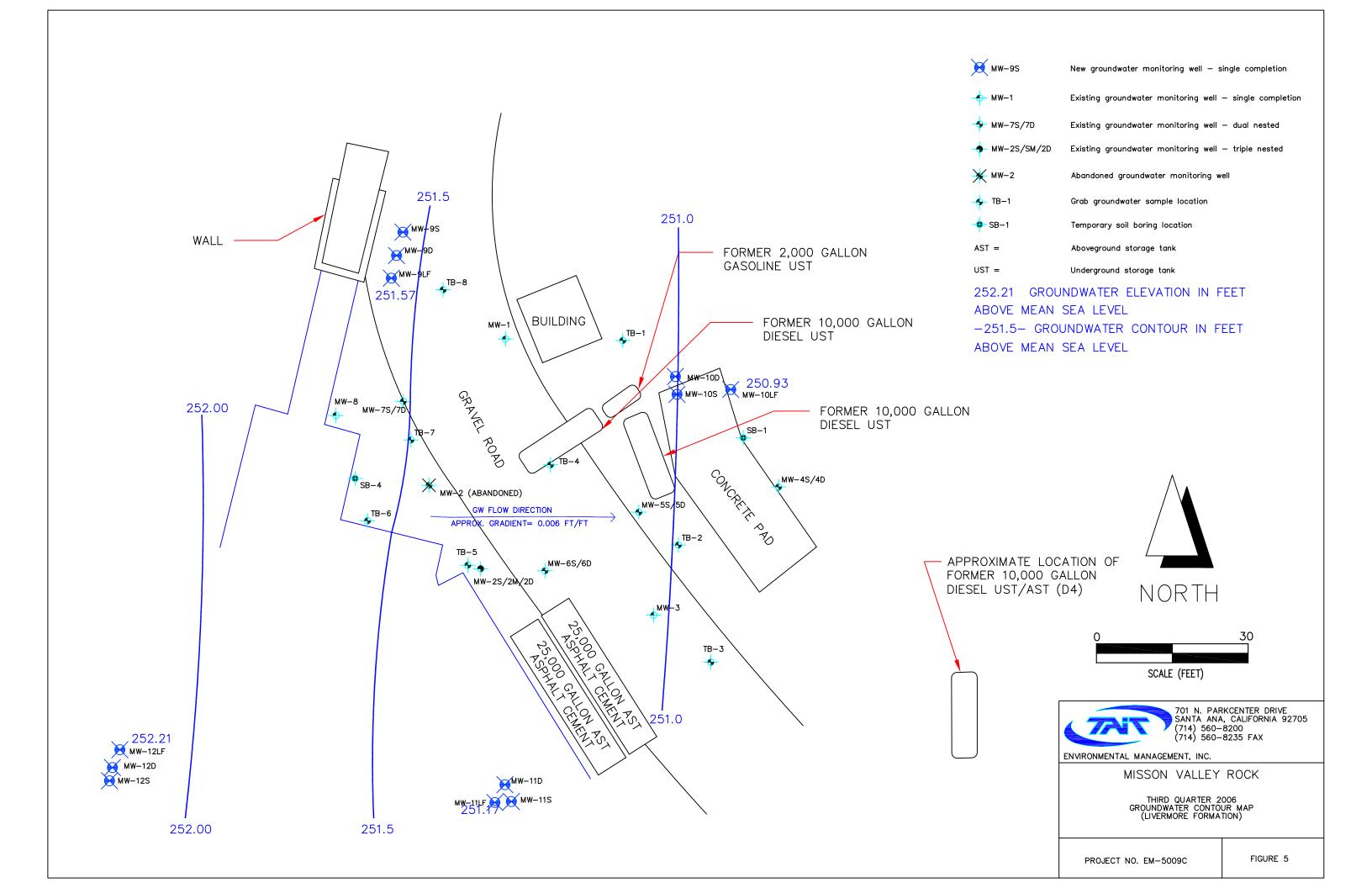
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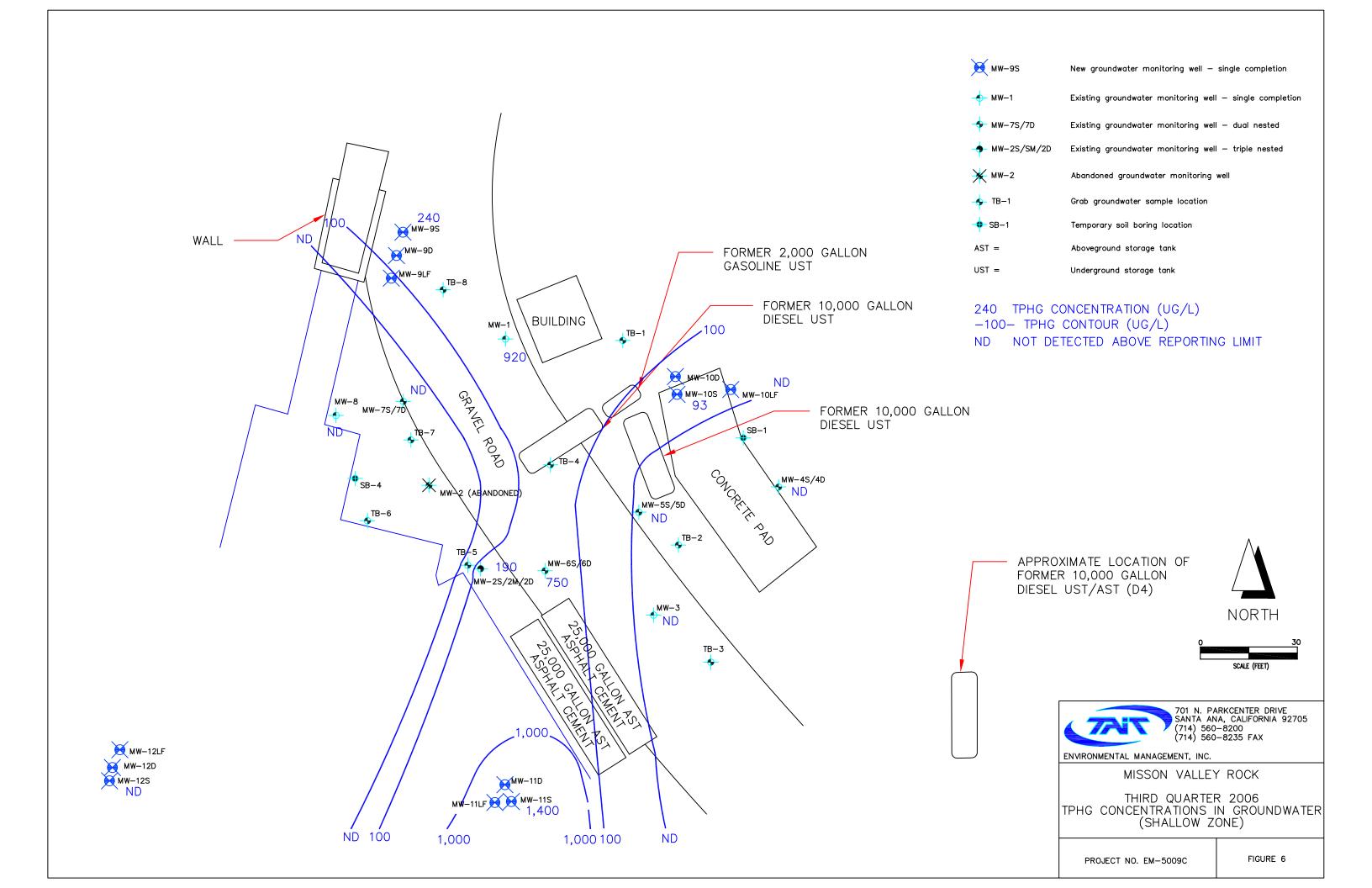
FIGURE 1

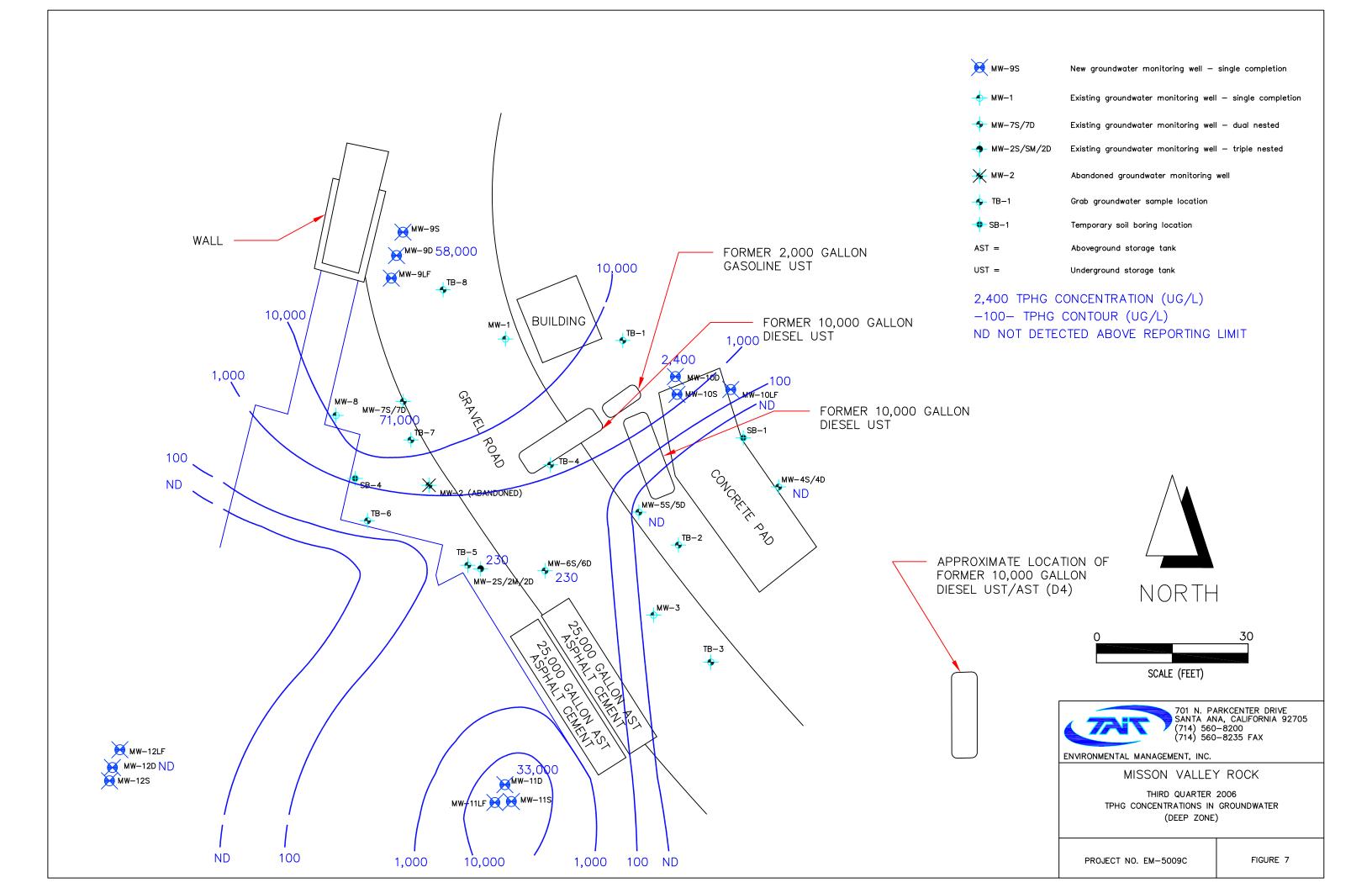


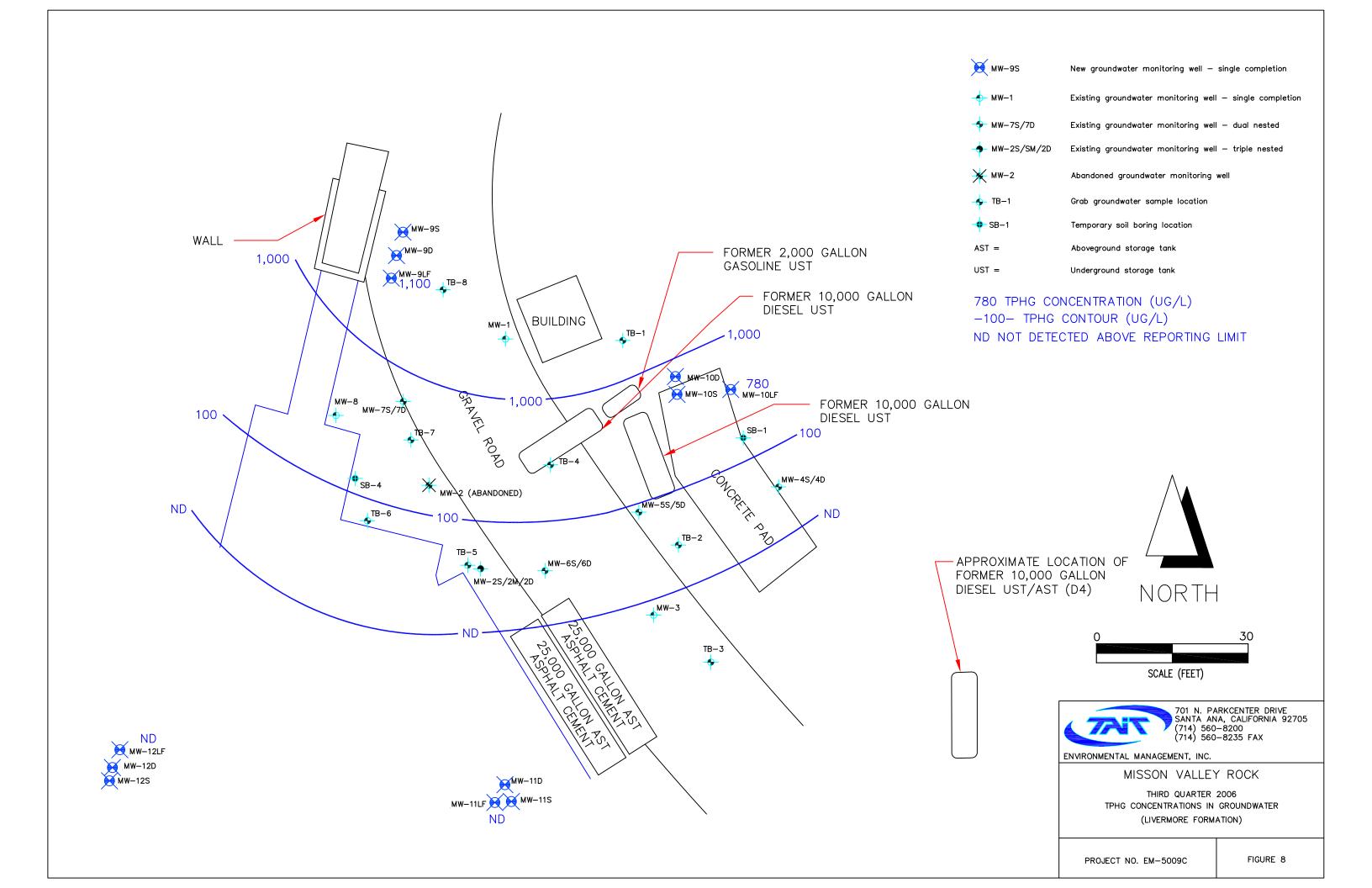


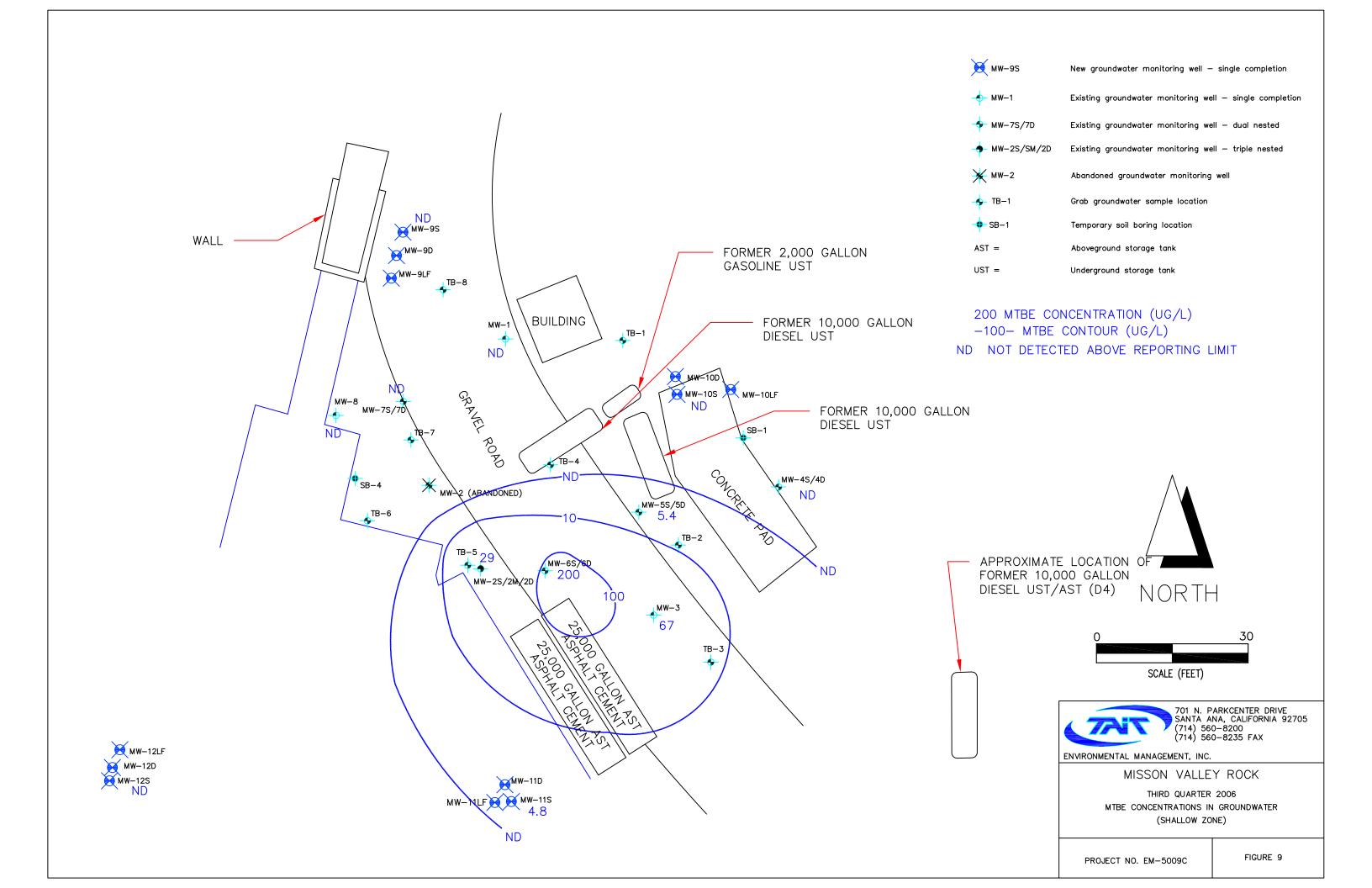


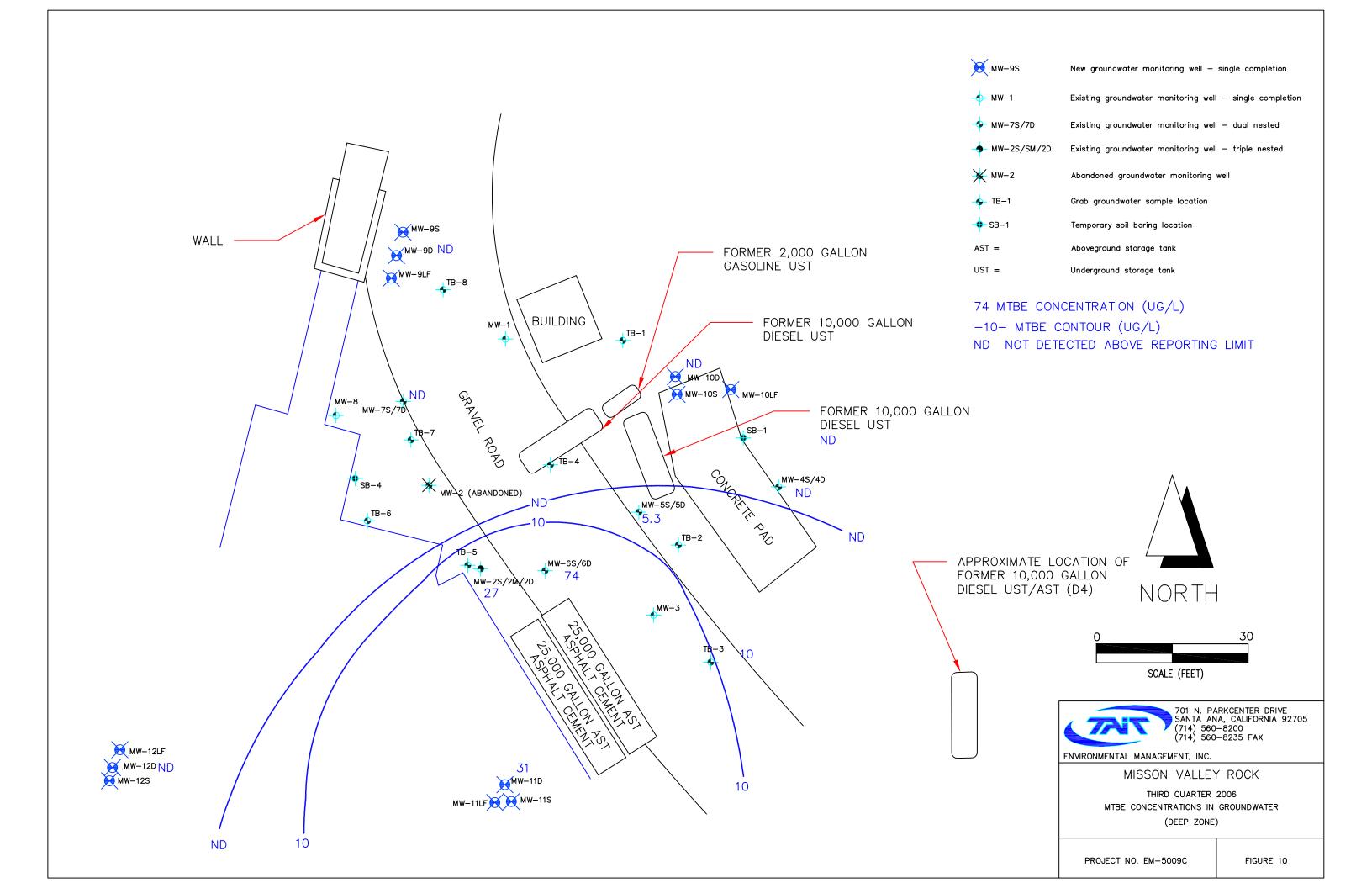


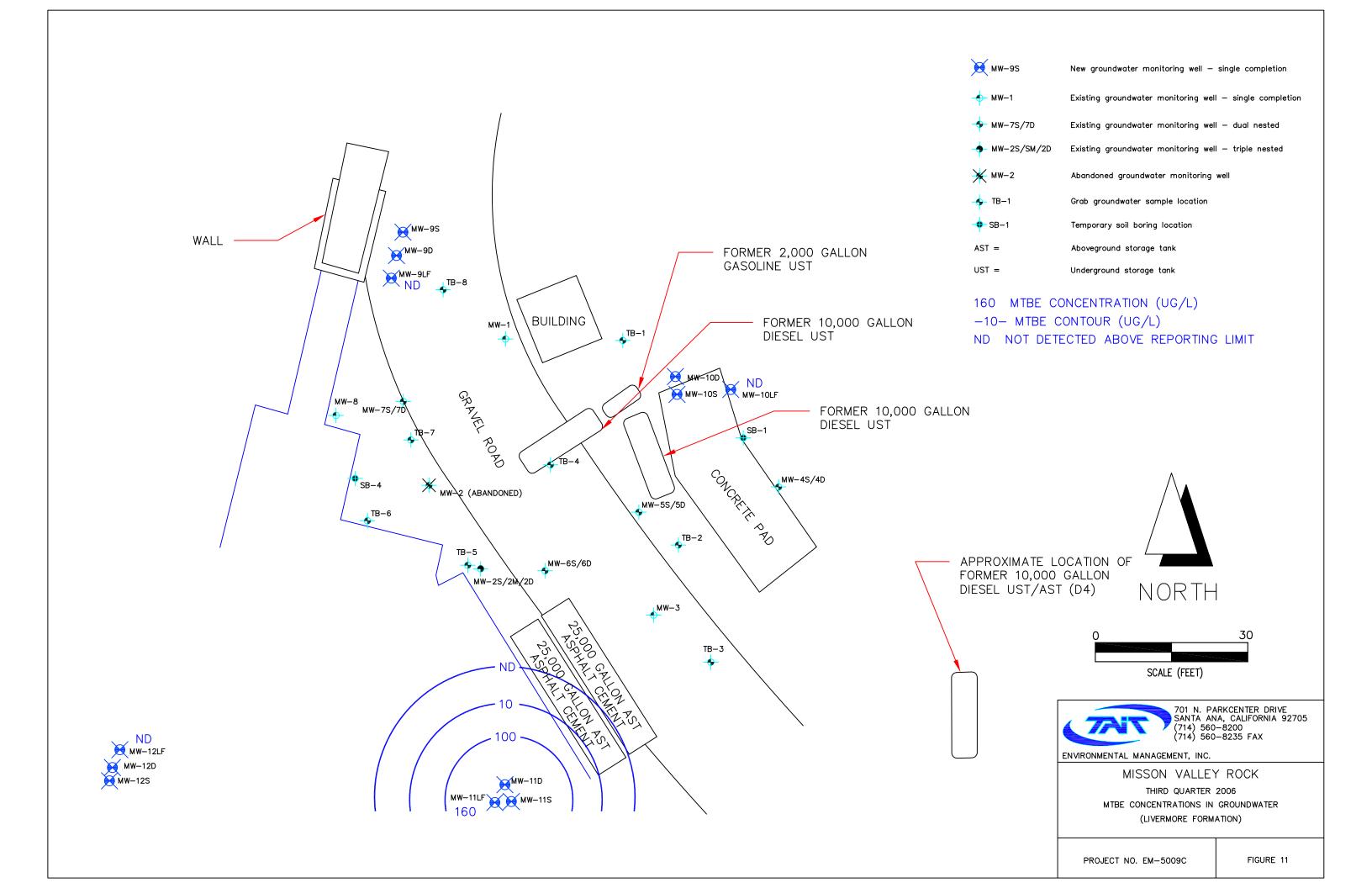


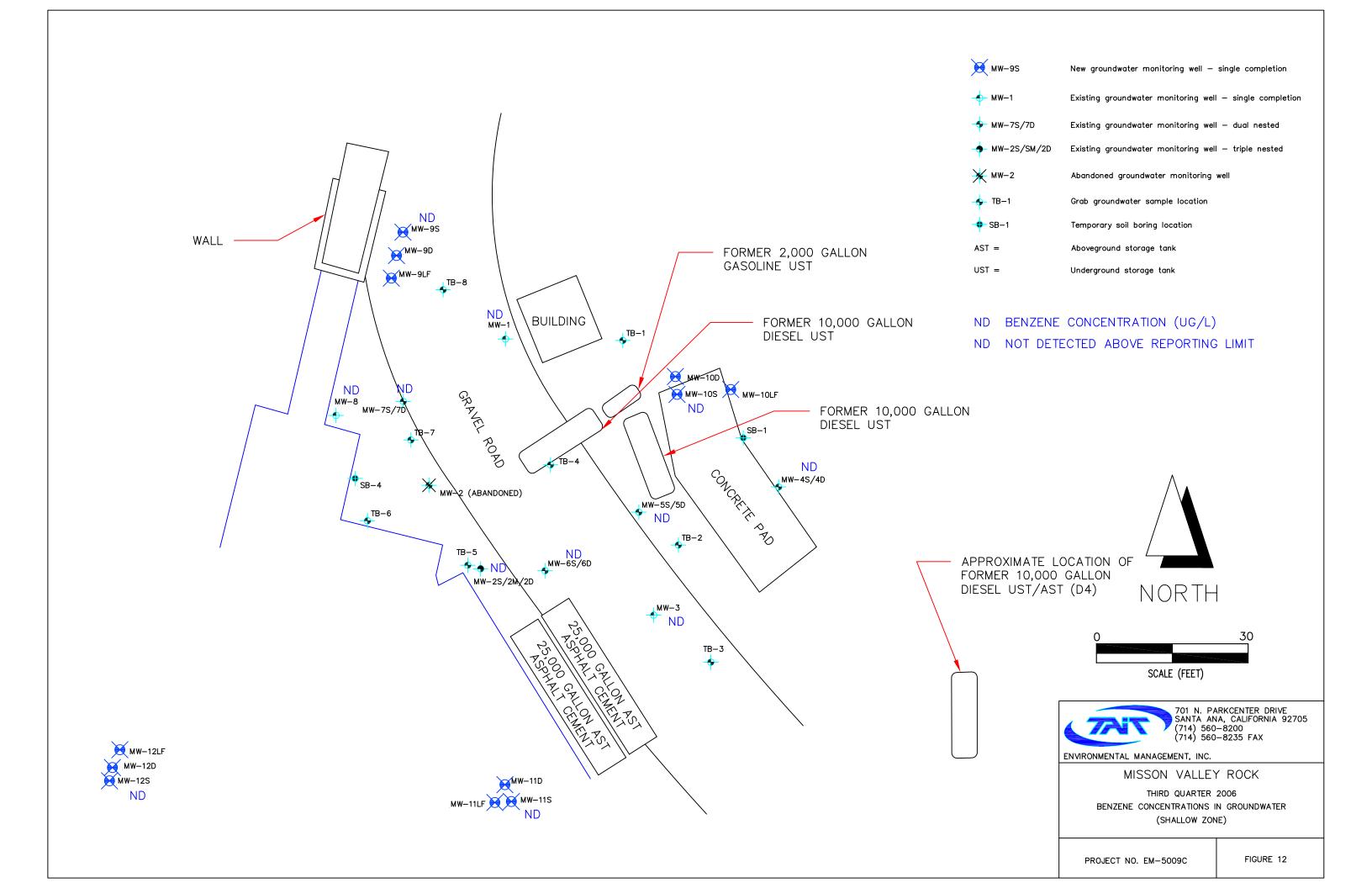


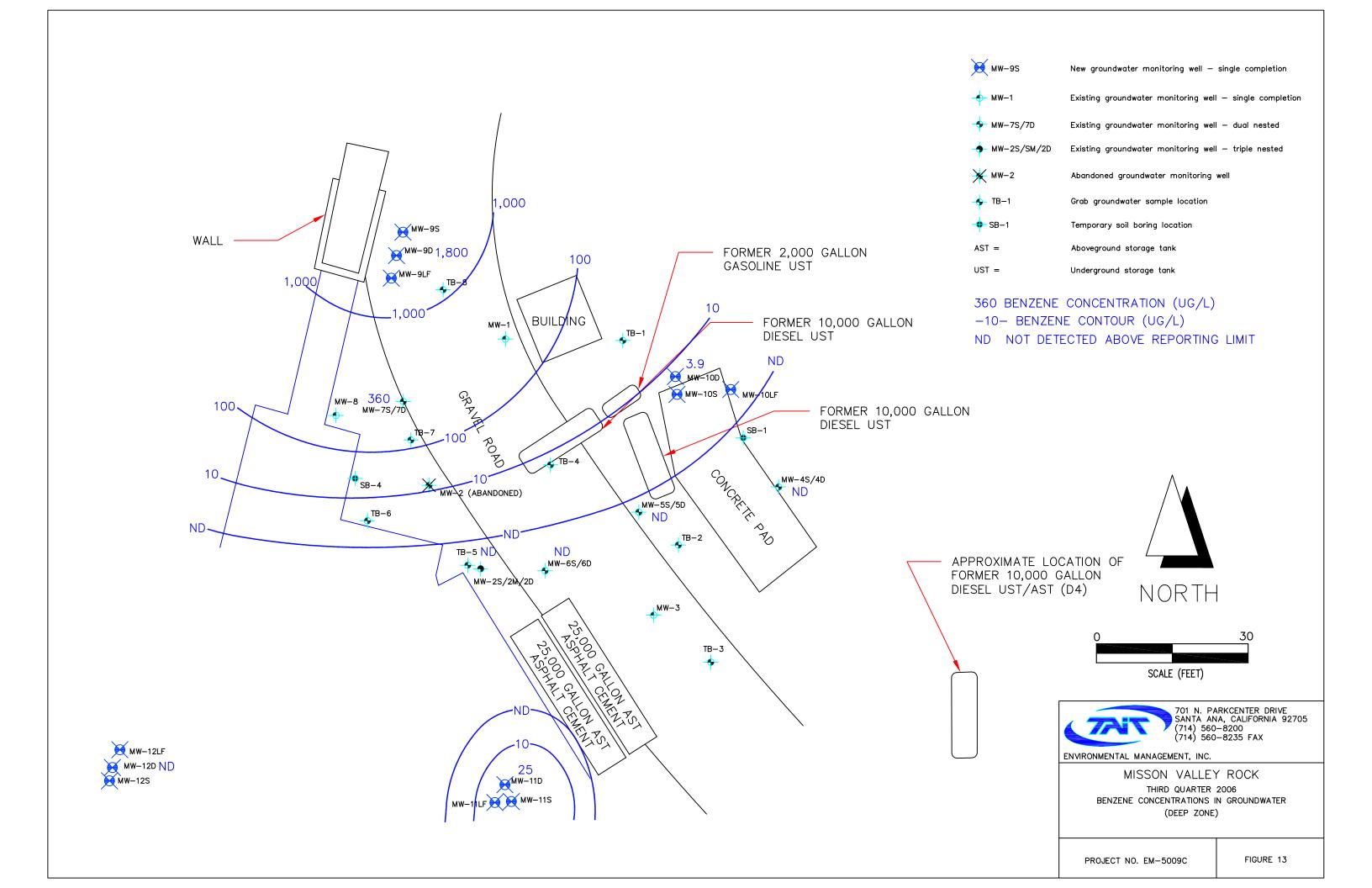


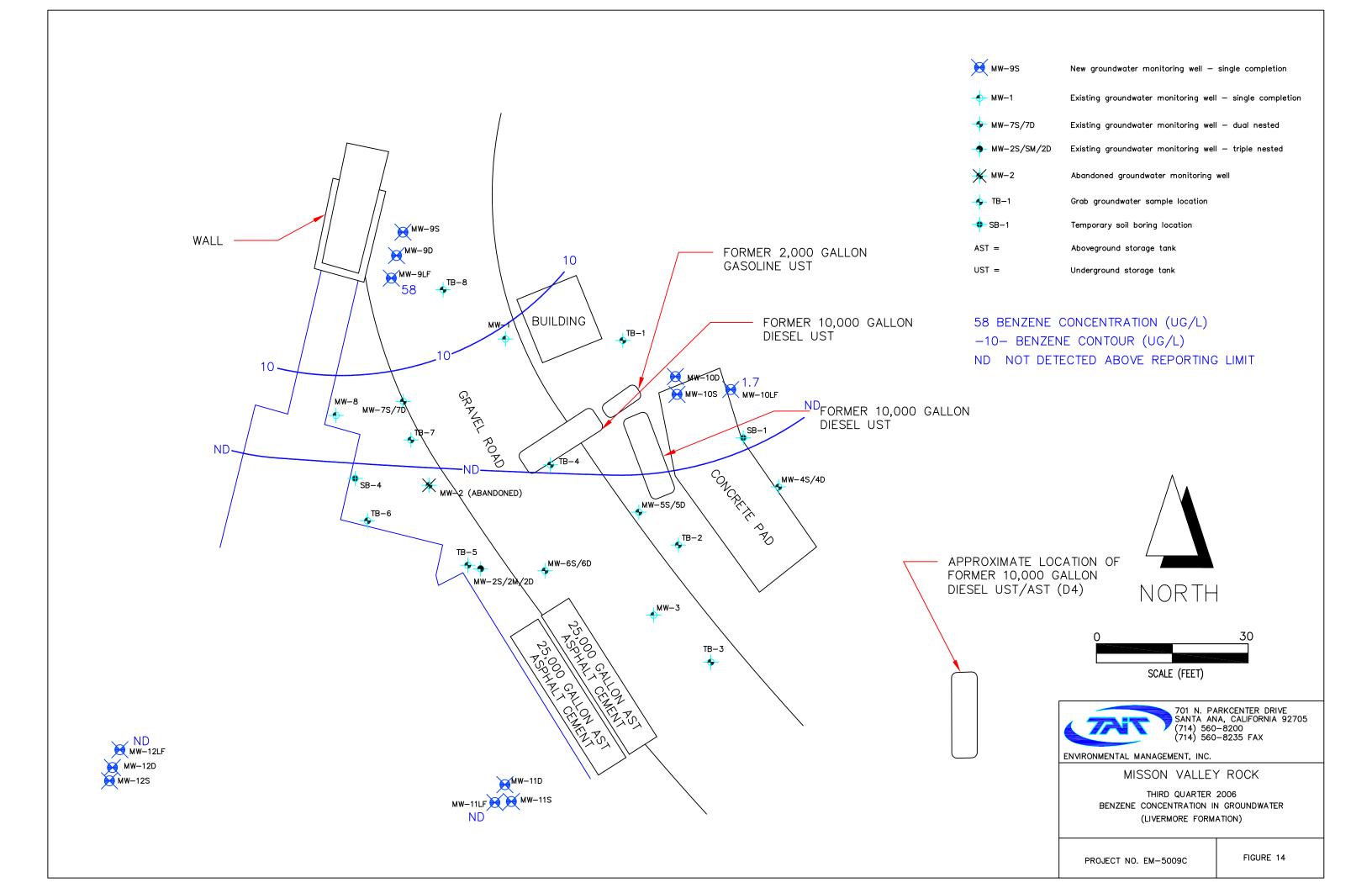














#### Table 1

#### Well Construction Details and Groundwater Elevation Data Third Quarter 2006

Mission Valley Rock Company

Sunol, California

| Surioi, Calilornia |                                |                                 |                              |                              |  |                                     |  |  |  |  |
|--------------------|--------------------------------|---------------------------------|------------------------------|------------------------------|--|-------------------------------------|--|--|--|--|
| Well ID            | Casing<br>Diameter<br>(inches) | Depth to Water (feet below TOC) | Total Depth (feet below TOC) | Screened Interval (feet bgs) | Measuring Point<br>Elevation (feet<br>MSL) | Groundwater<br>Elevation (feet MSL) |  |  |  |  |
| MW-1               | 2                              | 6.13                            | 17.78                        | 5.0 - 20.0                   | 258.68                                     | 252.55                              |  |  |  |  |
| MW-2S              | 2                              | 7.01                            | 8.71                         | 3.0-8.0                      | 258.84                                     | 251.83                              |  |  |  |  |
| MW-2M              | 2                              | 7.36                            | 12.29                        | 14.0-19.0                    | 258.99                                     | 251.63                              |  |  |  |  |
| MW-2D              | 2                              | 7.44                            | 29.54                        | 25.0-30.0                    | 258.91                                     | 251.47                              |  |  |  |  |
| MW-3               | 2                              | 7.97                            | 14.70                        | 5.0-20.0                     | 259.08                                     | 251.11                              |  |  |  |  |
| MW-4S              | 2                              | 3.90                            | 8.35                         | 3.0-8.0                      | 259.14                                     | 255.24                              |  |  |  |  |
| MW-4D              | 2                              | 8.18                            | 23.38                        | 17.0-22.0                    | 259.22                                     | 251.04                              |  |  |  |  |
| MW-5S              | 2                              | 7.02                            | 8.24                         | 3.0-8.0                      | 259.43                                     | 252.41                              |  |  |  |  |
| MW-5D              | 2                              | 7.30                            | 22.65                        | 17.0-22.0                    | 259.40                                     | 252.10                              |  |  |  |  |
| MW-6S              | 2                              | 6.94                            | 15.00                        | 5.0-15.0                     | 258.75                                     | 251.81                              |  |  |  |  |
| MW-6D              | 2                              | 7.90                            | 29.15                        | 24.5-29.5                    | 259.27                                     | 251.37                              |  |  |  |  |
| MW-7S              | 2                              | 6.30                            | 8.48                         | 5.0-8.0                      | 258.84                                     | 252.54                              |  |  |  |  |
| MW-7D              | 2                              | 7.19                            | 23.61                        | 20.0-25.0                    | 258.80                                     | 251.61                              |  |  |  |  |
| MW-8               | 2                              | 6.45                            | 15.30                        | 5.0-15.0                     | 258.84                                     | 252.39                              |  |  |  |  |
| MW-9S              | 2                              | 5.92                            | 12.20                        | 5.3-12.3                     | 258.41                                     | 252.49                              |  |  |  |  |
| MW-9D              | 2                              | 7.12                            | 24.28                        | 18.9-23.9                    | 258.86                                     | 251.74                              |  |  |  |  |
| MW-9LF             | 2                              | 7.37                            | 39.11                        | 33.3-38.3                    | 258.94                                     | 251.57                              |  |  |  |  |
| MW-10S             | 2                              | 5.62                            | 9.58                         | 4.8-9.8                      | 260.67                                     | 255.05                              |  |  |  |  |
| MW-10D             | 2                              | 8.92                            | 19.38                        | 15.5-20.5                    | 260.64                                     | 251.72                              |  |  |  |  |
| MW-10LF            | 2                              | 9.65                            | 39.90                        | 34.4-39.4                    | 260.58                                     | 250.93                              |  |  |  |  |
| MW-11S             | 2                              | 7.69                            | 9.43                         | 4.8-9.8                      | 258.96                                     | 251.27                              |  |  |  |  |
| MW-11D             | 2                              | 8.50                            | 20.50                        | 15.3-20.3                    | 258.98                                     | 250.48                              |  |  |  |  |
| MW-11LF            | 2                              | 7.84                            | 39.41                        | 32.8-37.8                    | 259.01                                     | 251.17                              |  |  |  |  |
| MW-12S             | 2                              | 10.51                           | 11.04                        | 4.6-11.6                     | 262.69                                     | 252.18                              |  |  |  |  |
| MW-12D             | 2                              | 10.40                           | 19.70                        | 16.0-21.0                    | 262.70                                     | 252.30                              |  |  |  |  |
| MW-12LF            | 2                              | 10.69                           | 39.50                        | 33.7-38.7                    | 262.90                                     | 252.21                              |  |  |  |  |

#### Note:

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 March 2, 2006.

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

| Well | Top of Casing<br>Elevation (Feet) | Date     | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|------|-----------------------------------|----------|---------------------------------|----------------------------------|----------------------|
|      |                                   | 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                   |
|      | 256.51                            | 03/22/01 | 2.28                            | 254.23                           | ND                   |
|      | 200.01                            | 06/27/01 | 3.60                            | 252.91                           | ND                   |
|      | -                                 | 09/21/01 | 6.50                            | 250.01                           | ND                   |
|      | -                                 | 12/27/01 | 1.29                            | 255.22                           | ND                   |
| MW-1 |                                   | 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 ND                |
|      |                                   | 03/31/03 | 1.40                            | 255.11                           | ND 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                   |
|      |                                   | 01/17/05 | 3.41                            | 255.27                           | ND                   |
|      |                                   | 05/04/05 | 1.20                            | 257.48                           | ND                   |
|      |                                   | 08/12/05 | 4.52                            | 254.16                           | ND                   |
|      | 258.68                            | 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                   |
|      |                                   | 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                 |
| MW-2 | 256.7                             | 06/27/01 | 3.31                            | 253.39                           | 0.06                 |
|      |                                   | 09/21/01 | 7.08                            | 249.62                           | 0.34                 |
|      | Γ                                 | 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                   |
|      |                                   | 09/19/03 | 5.02                            | 251.68                           | ND                   |
|      |                                   | 12/22/03 | NM                              | NM                               | ND                   |
|      |                                   | 01/05/05 |                                 | Abandoned                        |                      |

| Well     | Top of Casing<br>Elevation (Feet)                | Date                 | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (fee |
|----------|--|----------------------|---------------------------------|----------------------------------|--------------------|
|          |  | 01/17/05             | 4.25                            | 254.59                           | ND                 |
|          |  | 05/04/05             | 1.98                            | 256.86                           | ND                 |
|          |  | 08/12/05             | 5.46                            | 253.38                           | ND                 |
| MANA/ OC | 250.04   | 12/12/05             | 7.38                            | 251.46                           | ND                 |
| MW-2S    | 258.84   | 03/02/06             | 2.24                            | 256.60                           | ND                 |
|          |  | 06/12/06             | 3.08                            | 255.76                           | ND                 |
|          |  | 09/05/06             | 7.01                            | 251.83                           | 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                 |
| MW-2M    | 258.99   | 03/02/06             | 2.10                            | 256.89                           | ND                 |
|          |  | 06/12/06             | 3.39                            | 255.60                           | ND                 |
|          |  | 09/05/06             | 7.36                            | 251.63                           | 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<br>ND           |
|          |  | 12/12/05             | 7.85                            | 251.06                           | ND<br>ND           |
| MW-2D    | 258.91   | 03/02/06             | 2.16                            | 256.75                           | ND                 |
|          |  | 06/12/06             | 3.48                            | 255.43                           | ND                 |
|          |  | 09/05/06             | 7.44                            | 251.47                           | ND                 |
|          |  | 06/22/00             | 2.66                            | 254.00                           | ND                 |
|          |  | 06/23/98             | 2.66                            | 254.06                           |                    |
|          |  | 01/05/99             | 4.47                            | 252.25                           | Slight Odor        |
|          |  | 03/29/99             | 3.96                            | 252.76                           | Sheen              |
|          | <u> </u>   | 06/10/99             | 5.54                            | 251.18                           | ND<br>Chasa        |
|          |  | 09/17/99             | 6.18                            | 250.54                           | Sheen              |
|          |  | 12/27/99             | 5.52                            | 251.20                           | Odor               |
|          | <u> </u>   | 03/22/00             | 4.61                            | 252.11                           | Odor               |
|          | <u> </u>   | 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                 |
|          | 256.72   | 03/22/01             | 4.73                            | 251.99                           | ND<br>NM           |
|          |  | 06/27/01             | NM<br>7.90                      | NM                               | NM                 |
|          |  | 09/21/01             | 7.89                            | 248.83                           | ND<br>ND           |
|          |  | 12/27/01             | 3.77<br>5.12                    | 252.95                           |                    |
| MW-3     |  | 03/29/02<br>06/13/02 |                                 | 251.60<br>250.20                 | ND<br>ND           |
|          |  | 06/13/02             | 6.52                            | 250.20<br>249.44                 | ND<br>ND           |
|          |  |                      | 7.28                            |                                  |                    |
|          |  | 12/03/02<br>03/31/03 | 6.40<br>4.01                    | 250.32<br>252.71                 | ND<br>ND           |
|          |  |                      | 5.13                            |                                  | ND                 |
|          |  | 06/27/03<br>09/19/03 | 5.13                            | 251.59<br>251.50                 | ND                 |
|          |  | 12/22/03             | 7.20                            | 251.59<br>249.52                 | ND                 |
|          | <del>                                     </del> |                      |                                 | 249.52<br>253.27                 | <br>ND             |
|          |  | 01/17/05<br>05/04/05 | 5.81                            |                                  | ND                 |
|          |  | 05/04/05             | 3.50<br>6.01                    | 255.58<br>253.07                 | ND                 |
|          |  | 12/12/05             | 8.45                            |                                  |                    |
|          | 259.08   |                      |                                 | 250.63                           | ND<br>ND           |
|          | ∠၁ყ.∪ఠ   | 03/02/06             | 3.42                            | 255.66                           | ND                 |
|          |  | 06/12/06             | 4.15                            | 254.93                           | ND                 |

| Well      | Top of Casing<br>Elevation (Feet) | Date                 | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|-----------|-----------------------------------|----------------------|---------------------------------|----------------------------------|----------------------|
|           |                                   | 04/47/05             | 1.00                            | 054.50                           | NID                  |
|           |                                   | 01/17/05             | 4.62                            | 254.52                           | ND<br>ND             |
|           |                                   | 05/04/05             | 3.73                            | 255.41                           | ND<br>ND             |
|           | -                                 | 08/12/05             | 3.45                            | 255.69                           | ND<br>ND             |
| MW-4S     | 259.14                            | 12/12/05             | 5.48                            | 253.66                           | ND<br>ND             |
|           |                                   | 03/02/06<br>06/12/06 | 3.10                            | 256.04                           | ND                   |
|           |                                   | 09/05/06             | 4.10<br>3.90                    | 255.04<br>255.24                 | ND<br>ND             |
|           |                                   | 09/03/00             | 3.90                            | 200.24                           | IND                  |
|           |                                   | 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                   |
| MW-4D     | 259.22                            | 03/02/06             | 3.63                            | 255.59                           | ND                   |
|           |                                   | 06/12/06             | 4.51                            | 254.71                           | ND                   |
|           |                                   | 09/05/06             | 8.18                            | 251.04                           | ND                   |
|           |                                   |                      |                                 |                                  |                      |
|           |                                   | 01/17/05             | 4.57                            | 254.86                           | ND                   |
|           | 1                                 | 05/04/05             | 2.50                            | 256.93                           | ND                   |
|           |                                   | 08/12/05             | 5.30                            | 254.13                           | ND                   |
| MW-5S     | 259.43                            | 12/12/05             | 7.68                            | 251.75                           | ND                   |
| IVI VV-35 |                                   | 03/02/06             | 1.42                            | 258.01                           | ND                   |
|           |                                   | 06/12/06             | 3.73                            | 255.70                           | ND                   |
|           |                                   | 09/05/06             | 7.02                            | 252.41                           | 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                   |
| MW-5D     | 259.40                            | 12/12/05             | 7.92                            | 251.48                           | ND                   |
|           | 200.10                            | 03/02/06             | 1.98                            | 257.42                           | ND                   |
|           |                                   | 06/12/06             | 3.64                            | 255.76                           | ND                   |
|           |                                   | 09/05/06             | 7.30                            | 252.10                           | ND                   |
|           |                                   | 0.1.1                |                                 | 054 :-                           | \                    |
|           |                                   | 01/17/05             | 4.30                            | 254.45                           | ND ND                |
|           |                                   | 05/04/05             | 1.96                            | 256.79                           | ND                   |
|           |                                   | 08/12/05             | 5.17                            | 253.58                           | ND<br>ND             |
| MW-6S     | 258.75                            | 12/12/05             | 7.48                            | 251.27                           | ND<br>ND             |
|           |                                   | 03/02/06<br>06/12/06 | 1.95<br>3.10                    | 256.80<br>255.65                 | ND<br>ND             |
|           |                                   | 09/05/06             | 6.94                            | 251.81                           |                      |
|           |                                   | 09/05/06             | 0.94                            | 201.01                           | ND                   |
|           | +                                 | 01/17/05             | 5.17                            | 254.10                           | ND                   |
|           | <del> </del>                      | 05/04/05             | 2.80                            | 256.47                           | ND                   |
|           |                                   | 08/12/05             | 6.30                            | 252.97                           | ND                   |
|           |                                   | 12/12/05             | 8.32                            | 250.95                           | ND                   |
| MW-6D     | 259.27                            | 03/02/06             | 2.70                            | 256.57                           | ND<br>ND             |
|           |                                   | 06/12/06             | 4.05                            | 255.22                           | ND                   |
|           |                                   | 09/05/06             | 7.90                            | 251.37                           | ND                   |
|           |                                   | 33,30,00             | 1.00                            | 201.07                           | 140                  |

| Well       | Top of Casing<br>Elevation (Feet) | Date                 | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|------------|-----------------------------------|----------------------|---------------------------------|----------------------------------|----------------------|
|            |                                   | 01/17/05             | 3.42                            | 255.40                           | ND                   |
| MW-7S      |                                   | 05/04/05             | 1.44                            | 257.38                           | ND                   |
|            | 258.82                            | 08/12/05             | 4.80                            | 254.02                           | ND                   |
|            |                                   | 12/12/05             | 6.64                            | 252.18                           | ND                   |
|            |                                   | 03/02/06             | 0.95                            | 257.87                           | ND                   |
|            |                                   | 06/12/06             | 2.55                            | 256.29                           | ND                   |
|            | 258.84                            | 09/05/06             | 6.30                            | 252.54                           | ND                   |
|            |                                   |                      |                                 |                                  |                      |
|            |                                   | 01/17/05             | 5.50                            | 252.57                           | ND                   |
|            | _                                 | 05/04/05             | 1.45                            | 256.62                           | ND                   |
|            | 258.07                            | 08/12/05             | 4.70                            | 253.37                           | ND                   |
| MW 7D      |                                   | 12/12/05             | 7.40                            | 250.67                           | ND                   |
| MW-7D      |                                   | 03/02/06             | 5.10                            | 252.97                           | Gasoline odor        |
|            |                                   | 06/12/06             | 3.66                            | 255.14                           | Gasoline odor        |
|            | 258.80                            | 09/05/06             | 7.19                            | 251.61                           | ND                   |
|            |                                   | 00/00/00             | 7.10                            | 201.01                           | IND                  |
|            |                                   | 01/17/05             | 3.45                            | 255.39                           | ND                   |
|            | -                                 | 05/04/05             | 1.25                            | 257.59                           | ND ND                |
|            | -                                 | 08/12/05             | 4.92                            | 253.92                           | ND<br>ND             |
|            | -                                 | 12/12/05             | 6.67                            | 252.17                           | ND<br>ND             |
| MW-8       | 258.84                            | 03/02/06             | 0.78                            | 258.06                           | ND<br>ND             |
|            |                                   | 06/12/06             | 2.44                            | 256.40                           |                      |
|            | -                                 |                      |                                 |                                  | ND<br>ND             |
|            | -                                 | 09/05/06             | 6.45                            | 252.39                           | ND                   |
|            |                                   | 06/12/06             | 2.14                            | 256.27                           | ND                   |
| MW-9S      | 258.41                            | 09/05/06             | 5.92                            | 252.49                           | ND                   |
|            |                                   | 06/12/06             | 3.16                            | 255.70                           | ND                   |
| MW-9D      | 258.86                            | 09/05/06             | 7.12                            | 251.74                           | ND                   |
|            |                                   | 06/12/06             | 3.46                            | 255.48                           | ND                   |
| MW-9LF     | 258.94                            | 09/05/06             | 7.37                            | 251.57                           | ND<br>ND             |
| WW-3LI     | 230.34                            | 09/03/00             | 1.51                            | 231.37                           | ND                   |
|            |                                   | 06/12/06             | 5.00                            | 255.67                           | ND                   |
| MW-10S     | 260.67                            | 09/05/06             | 5.62                            | 255.05                           | ND                   |
|            |                                   | 06/12/06             | 5.42                            | 255.22                           | ND                   |
| MW-10D     | 260.64                            | 09/05/06             | 8.92                            | 255.22                           | ND<br>ND             |
| 141 AA-10D | 200.04                            | 09/05/06             | 0.92                            | 201.12                           | טוו                  |
|            |                                   | 06/12/06             | 5.99                            | 254.59                           | ND                   |
| MW-10LF    | 260.58                            | 06/12/06<br>09/05/06 | 9.65                            | 254.59                           | ND<br>ND             |
| IVIVV-IULF | 260.56                            | 09/05/06             | 9.05                            | 250.93                           | ND                   |
|            |                                   | 06/12/06             | 3.69                            | 255.27                           | ND                   |
| MW-11S     | 258.96                            | 09/05/06             | 7.69                            | 251.27                           | ND                   |
|            |                                   | 00/40/22             | 0.70                            | 055.00                           | ND                   |
|            | 050.00                            | 06/12/06             | 3.70                            | 255.28                           | ND                   |
| MW-11D     | 258.98                            | 09/05/06             | 8.50                            | 250.48                           | ND                   |
|            |                                   | 06/12/06             | 3.90                            | 255.11                           | ND                   |
| MW-11LF    | 259.01                            | 09/05/06             | 7.84                            | 251.17                           | ND ND                |
|            | 200.01                            | 33,33,00             | 7.07                            | 201.17                           | ND                   |

#### Table 2

### **Historical Groundwater Gauging Data**

Mission Valley Rock Company Sunol, California

| Well    | Top of Casing<br>Elevation (Feet) | Date     | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---------|-----------------------------------|----------|---------------------------------|----------------------------------|----------------------|
|         |                                   | 06/12/06 | 5.77                            | 256.92                           | ND                   |
| MW-12S  | 262.69                            | 09/05/06 | 10.51                           | 252.18                           | ND                   |
|         |                                   |          |                                 |                                  |                      |
|         |                                   | 06/12/06 | 5.69                            | 257.01                           | ND                   |
| MW-12D  | 262.70                            | 09/05/06 | 10.40                           | 252.30                           | ND                   |
|         |                                   |          |                                 |                                  |                      |
|         |                                   | 06/12/06 | 5.92                            | 256.98                           | ND                   |
| MW-12LF | 262.90                            | 09/05/06 | 10.69                           | 252.21                           | ND                   |
|         |                                   |          |                                 |                                  |                      |

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 2006

Mission Valley Rock Company Sunol, California

|         |          |                |                | on, Camorria      |                   |                        |                         |                |
|---------|----------|----------------|----------------|-------------------|-------------------|------------------------|-------------------------|----------------|
| Well    | Date     | TPHd<br>(ug/L) | TPHg<br>(ug/L) | Benzene<br>(ug/L) | Toluene<br>(ug/L) | Ethylbenzene<br>(ug/L) | Total Xylenes<br>(ug/L) | MTBE<br>(ug/L) |
| MW-1    | 9/6/2006 | ND             | 920            | ND                | ND                | 5.3                    | ND                      | ND             |
| MW-2S   | 9/6/2006 | 11000          | 190            | ND                | ND                | ND                     | ND                      | 29             |
| MW-2M   | 9/6/2006 | 1900           | 330            | ND                | ND                | ND                     | ND                      | 22             |
| MW-2D   | 9/6/2006 | 1700           | 230            | ND                | ND                | ND                     | ND                      | 27             |
| MW-3    | 9/6/2006 | ND             | ND             | ND                | ND                | ND                     | ND                      | 67             |
| MW-4S   | 9/5/2006 | ND             | ND             | ND                | ND                | ND                     | ND                      | ND             |
| MW-4D   | 9/5/2006 | ND             | ND             | ND                | ND                | ND                     | ND                      | ND             |
| MW-5S   | 9/5/2006 | ND             | ND             | ND                | ND                | ND                     | ND                      | 5.4            |
| MW-5D   | 9/5/2006 | ND             | ND             | ND                | 0.60              | ND                     | ND                      | 5.3            |
| MW-6S   | 9/6/2006 | 2400           | 750            | ND                | ND                | 0.7                    | 0.50                    | 200            |
| MW-6D   | 9/6/2006 | ND             | 230            | ND                | ND                | ND                     | ND                      | 74             |
| MW-7S   | 9/7/2006 | ND             | ND             | ND                | ND                | ND                     | ND                      | ND             |
| MW-7D   | 9/7/2006 | 22000          | 71000          | 360               | 8600              | 33000                  | 87000                   | ND             |
| MW-8    | 9/7/2006 | ND             | ND             | ND                | 3.3               | ND                     | 5.5                     | ND             |
| MW-9S   | 9/7/2006 | ND             | 240            | ND                | ND                | ND                     | ND                      | ND             |
| MW-9D   | 9/7/2006 | 5400           | 58000          | 1800              | 7400              | 2400                   | 8000                    | ND             |
| MW-9LF  | 9/7/2006 | ND             | 1100           | 58                | 23                | 31                     | 58                      | ND             |
| MW-10S  | 9/7/2006 | ND             | 93             | ND                | ND                | ND                     | ND                      | ND             |
| MW-10D  | 9/7/2006 | ND             | 2400           | 3.9               | 2.0               | 54                     | 11.9                    | ND             |
| MW-10LF | 9/7/2006 | ND             | 780            | 1.7               | 1.6               | 1.7                    | 7.8                     | ND             |

# Table 3 Groundwater Analytical Results Third Quarter 2006

Mission Valley Rock Company Sunol, California

| Well    | Date     | TPHd<br>(ug/L) | TPHg<br>(ug/L) | Benzene<br>(ug/L) | Toluene<br>(ug/L) | Ethylbenzene<br>(ug/L) | Total Xylenes<br>(ug/L) | MTBE<br>(ug/L) |
|---------|----------|----------------|----------------|-------------------|-------------------|------------------------|-------------------------|----------------|
| MW-11S  | 9/6/2006 | 3300           | 1400           | ND                | ND                | ND                     | ND                      | 4.8            |
| MW-11D  | 9/6/2006 | 210000         | 33000          | 25                | 30                | 28                     | 97                      | 31             |
| MW-11LF | 9/6/2006 | 5300           | ND             | ND                | ND                | ND                     | ND                      | 160            |
| MW-12S  | 9/7/2006 | ND             | 81             | ND                | ND                | ND                     | ND                      | ND             |
| MW-12D  | 9/6/2006 | ND             | ND             | ND                | ND                | ND                     | ND                      | ND             |
| MW-12LF | 9/6/2006 | ND             | ND             | ND                | ND                | ND                     | ND                      | ND             |

#### 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), and Tert-butyl alcolhol (TBA) were performed using EPA Method No. 8260B.

Tert-amyl methyl ether (TAME), Di-isoproppyl ether (DIPE), and Ethyl tert-butyl ther (ETBE) were not detected above laboratory detection limits. Total xylene concentrations were determined by adding m,p-xylene and o-xylene from laboratory report.

NM = Not Measured

mg/L = Milligrams per Liter

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

|          |  |                                  |                          | Sunoi, Caii                          | ioiiia                               |                            |                                 |                  |
|----------|--|----------------------------------|--------------------------|--------------------------------------|--------------------------------------|----------------------------|---------------------------------|------------------|
| Well     | Date   | TPHd                             | TPHg                     | Benzene                              | Toluene                              | Ethylbenzene               | Xylenes (ug/L)                  | MTBE             |
| vveii    | Date   | (ug/L)                           | (ug/L)                   | (ug/L)                               | (ug/L)                               | (ug/L)                     | / Gronos (ug/L)                 | (ug/L)           |
|          | 06/23/98   | 0.1                              | 3,100                    | 19                                   | 2.3                                  | 91                         | 48                              | 110              |
|          | 10/01/98   | 0.1                              | 2,300                    | 3.1                                  | 4.2                                  | 5.0                        | 15                              | ND<0.5           |
|          | 01/05/99   | 350                              | ND<50                    | 12                                   | 7.5                                  | 20                         | 6.2                             | ND<5.0           |
|          | 03/29/99   | 190                              | ND<50                    | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<0.5                          | ND<0.5           |
|          | 06/10/99   | 210                              | 1,800                    | 1.2                                  | 0.9                                  | 1.5                        | 4.6                             | ND<0.5           |
|          | 09/17/99   | 62                               | 180                      | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<0.5                          | ND<0.5           |
|          | 12/27/99   | 290                              | ND<50                    | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<0.5                          | ND<0.5           |
|          | 03/22/00   | 86                               | ND<50                    | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<0.5                          | ND<0.5           |
|          | 06/30/00   | 70                               | 450                      | 2.1                                  | ND<0.5                               | 2.1                        | 1.4                             | 7.6              |
|          | 09/14/00   | ND<50                            | 850                      | 5.4                                  | ND<0.5                               | 9.4                        | 2.6                             | 9.8              |
|          | 12/20/00   | ND<1,000                         | 370                      | 5.3                                  | ND<1.0                               | 2.7                        | ND<3.0                          | 55               |
|          | 03/22/01   | ND<1,000                         | 700                      | ND<1.0                               | ND<1.0                               | 1.4                        | ND<1.0                          | ND<1.0           |
|          | 06/27/01   | ND<1,000                         | 170                      | ND<1.0                               | ND<1.0                               | 1.2                        | ND<1.0                          | ND<1.0           |
|          | 09/21/01   | ND<1,000                         | 730                      | 1.4                                  | ND<1.0                               | 7.6                        | 1.2                             | ND<1.0           |
| MW-1     | 12/27/01   | 1000                             | 500                      | 15                                   | ND<1.0                               | 27                         | 5.5                             | ND<1.0           |
|          | 03/29/02   | 12000                            | 29000                    | 50                                   | ND<25                                | 960                        | 290                             | ND<25            |
|          | 06/13/02   | ND<1,000                         | 1400                     | 3.5                                  | ND<1.0                               | 42                         | 7.9                             | ND<1.0           |
|          | 09/27/02   | 1400                             | 760                      | ND<1.0                               | ND<1.0                               | 4.3                        | 1.1                             | ND<1.0           |
|          | 12/03/02   | ND<1,000                         | 1600                     | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | ND<1.0           |
|          | 03/31/03   | ND<1,000                         | 620                      | 1.2                                  | ND<1.0                               | 12                         | ND<1.0                          | ND<1.0           |
|          | 06/27/03   | ND<1,000                         | 0.61                     | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | ND<1.0           |
|          | 09/19/03   | ND<1,000                         | 1.2                      | ND<1.0                               | ND<1.0                               | 6.4                        | ND<1.0                          | ND<1.0           |
|          | 12/22/03   | ND<1,000                         | 0.49                     | ND<1.0                               | ND<1.0                               | 3.0                        | ND<1.0                          | ND<1.0           |
|          | 01/17/05   | ND<50                            | 63                       | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<0.5                          | ND<1.0           |
|          | 05/04/05   | ND<50                            | 1200                     | ND<0.5                               | ND<0.5                               | 8.5                        | 1.2                             | ND<1.0           |
|          | 08/12/05   | ND<50                            | 410                      | ND<0.5                               | ND<0.5                               | 2.4                        | ND<0.5                          | ND<1.0           |
|          | 12/13/05<br>03/03/06                                     | ND<50                            | 750                      | 3.8                                  | ND<0.5                               | 4.2                        | ND<1.0<br>ND<1.0                | ND<1.0           |
|          |  | ND<50                            | 310<br>96                | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<1.0<br>ND<1.0                | ND<1.0           |
|          | 06/13/06<br>09/06/06                                     | ND<50<br>ND<50                   | 920                      | ND<0.5<br>ND<0.5                     | ND<0.5                               | ND<0.5<br><b>5.3</b>       | ND<1.0<br>ND<0.5                | ND<1.0<br>ND<1.0 |
|          | 06/23/98   | 12,000                           | 2,500                    | 0.68                                 | ND<0.5<br>ND<0.50                    | 1.2                        | 0.57                            | 14               |
|          | 10/01/98   | 4,300                            | ND<50                    | ND<0.5                               | ND<0.50                              | ND<0.5                     | ND<0.5                          | ND<0.5           |
|          | 01/05/99   | 38,000                           | ND<5,000                 | ND<50                                | ND<50                                | 51                         | 190                             | ND<500           |
|          | 03/29/99   | 580                              | ND<50                    | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<0.5                          | ND<0.5           |
|          | 06/10/99   | 4,500                            | 24,000                   | 38                                   | 27                                   | 41                         | 98                              | ND<0.5           |
|          | 09/17/99   | 24,000                           | 1,400                    | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<0.5                          | 27               |
|          | 12/27/99   | 2,300                            | ND<50                    | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<0.5                          | ND<0.5           |
|          | 03/22/00   | 620                              | ND<50                    | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<0.5                          | ND<0.5           |
|          | 06/30/00   | 1,700                            | 270                      | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<0.5                          | 17               |
|          | 09/14/00   | 5,800                            | 130                      | ND<0.5                               | ND<0.5                               | ND<0.5                     | 0.94                            | 12               |
|          | 12/20/00   | 19,000                           | 1700                     | ND<50                                | ND<50                                | ND<50                      | ND<150                          | ND<250           |
| MW-2     | 03/22/01   | 610000                           | 3300                     | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | 9.0              |
| IVIVV-Z  | 06/27/01   | 8800                             | 1800                     | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | 6.7              |
|          | 09/21/01   | 530000                           | 7000                     | ND<50                                | ND<50                                | ND<50                      | ND<50                           | ND<50            |
|          | 12/27/01   | 27000                            | 310                      | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | 62               |
|          | 03/29/02   | 65000                            | 130                      | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | 30               |
|          | 06/13/02   | 130000                           | 460                      | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | 24               |
|          | 09/27/02   | 480000                           | 290                      | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | 16               |
|          | 12/03/02   | 61000                            | 1800                     | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | 10               |
|          | 03/31/03   | 5000                             | ND<100                   | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | 14               |
|          | 06/27/03   | 8.1                              | 360                      | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | 20               |
|          | 09/19/03   | 85                               | 12                       | ND<1.0                               | ND<1.0                               | ND<1.0                     | ND<1.0                          | 15               |
|          | 12/22/03   |                                  |                          |                                      | NS<br>Abanda                         |                            |                                 |                  |
|          | 01/17/05   | 1100                             | 730                      | ND<0.5                               | Abando                               | 1. <b>0</b>                | 3.5                             | 50               |
|          |  |                                  | 190                      |                                      | ND<0.5                               |                            |                                 | 44               |
|          | 05/04/05<br>08/12/05                                     | 8200<br>6100                     | 120                      | ND<0.5<br>ND<0.5                     | ND<0.5<br>ND<0.5                     | ND<0.5<br>ND<0.5           | ND<0.5<br>ND<0.5                | 77               |
| MW-2S    | 12/12/05   | ND<50                            | ND<50                    | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<1.0                          | 26               |
| 11111-20 | 03/03/06   | 5900                             | 160                      | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<1.0                          | 21               |
|          | 06/13/06   | 8700                             | ND<50                    | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<1.0                          | 22               |
|          |  | 11000                            | 190                      | ND<0.5                               | ND<0.5                               | ND<0.5                     | ND<1.0                          | 29               |
|          | U9/Uh/Uh   |                                  |                          |                                      | 1.7                                  | 89                         | 82.2                            | 38               |
|          | 09/06/06   | 4100                             | 3300                     | D 5                                  |                                      |                            |                                 |                  |
|          | 01/17/05   | 4100<br>ND<50                    | 3300<br>610              | 6.5<br>ND<0.5                        |                                      |                            |                                 | 32               |
|          | 01/17/05<br>05/04/05                                     | ND<50                            | 610                      | ND<0.5                               | ND<0.5                               | 16                         | 10.6                            | 32<br>56         |
| MW-2M    | 01/17/05<br>05/04/05<br>08/12/05                         | ND<50<br>ND<50                   | 610<br>460               | ND<0.5<br>ND<0.5                     | ND<0.5<br>ND<0.5                     | 16<br>2.5                  | 10.6<br>1.2                     | 56               |
| MW-2M    | 01/17/05<br>05/04/05<br>08/12/05<br>12/12/05             | ND<50<br>ND<50<br>ND<50          | 610                      | ND<0.5<br>ND<0.5<br>ND<0.5           | ND<0.5<br>ND<0.5<br>ND<0.5           | 16<br>2.5<br>ND<0.5        | 10.6<br>1.2<br>ND<1.0           |                  |
| MW-2M    | 01/17/05<br>05/04/05<br>08/12/05<br>12/12/05<br>03/03/06 | ND<50<br>ND<50<br>ND<50<br>ND<50 | 610<br>460<br>410<br>290 | ND<0.5<br>ND<0.5<br>ND<0.5<br>ND<0.5 | ND<0.5<br>ND<0.5<br>ND<0.5<br>ND<0.5 | 16<br>2.5<br>ND<0.5<br>0.5 | 10.6<br>1.2<br>ND<1.0<br>ND<1.0 | 56<br>28<br>17   |
| MW-2M    | 01/17/05<br>05/04/05<br>08/12/05<br>12/12/05             | ND<50<br>ND<50<br>ND<50          | 610<br>460<br>410        | ND<0.5<br>ND<0.5<br>ND<0.5           | ND<0.5<br>ND<0.5<br>ND<0.5           | 16<br>2.5<br>ND<0.5        | 10.6<br>1.2<br>ND<1.0           | 56<br>28         |

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

|          |          |         |               | Sunol, Cali | rornia  |              |                |              |
|----------|----------|---------|---------------|-------------|---------|--------------|----------------|--------------|
|          |          | TPHd    | TPHg          | Benzene     | Toluene | Ethylbenzene |                | MTBE         |
| Well     | Date     | (ug/L)  | (ug/L)        | (ug/L)      | (ug/L)  | (ug/L)       | Xylenes (ug/L) | (ug/L)       |
|          |          |         |               |             |         |              |                |              |
|          | 01/17/05 | 1800    | 1000          | 6.5         | ND<0.5  | 80           | 71             | 62           |
|          | 05/04/05 | ND<50   | 250           | ND<0.5      | ND<0.5  | 4.6          | 1.6            | 72           |
|          | 08/12/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | 2.8          | 1.1            | 51           |
| MW-2D    | 12/12/05 | ND<50   | 200           | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | 39           |
|          | 03/03/06 | ND<50   | 140           | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | 38           |
|          | 06/13/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | 36           |
|          | 09/06/06 | 1700    |               |             |         |              |                | 27           |
|          |          |         | 230           | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         |              |
|          | 06/23/98 | 12,000  | 300           | 0.80        | ND<0.5  | ND<0.5       | ND<0.5         | 150          |
|          | 10/01/98 | 6400    | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<0.5       |
|          | 01/05/99 | 5,600   | ND<100        | 1.6         | 1.4     | ND<1.0       | ND<1.0         | 110          |
|          | 03/29/99 | 150     | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<0.5       |
|          | 06/10/99 | 620     | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<0.5       |
|          | 09/17/99 | 1,500   | 230           | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 89           |
|          | 12/27/99 | 58      | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<0.5       |
|          | 03/22/00 | 94      | ND<50         |             | ND<0.5  | ND<0.5       | ND<0.5         | ND<0.5       |
|          |          |         |               | ND<0.5      |         |              |                |              |
|          | 06/30/00 | 240     | 170           | ND<0.5      | 0.52    | ND<0.5       | ND<0.5         | 100          |
|          | 09/14/00 | 850     | 170           | 0.81        | ND<0.5  | ND<0.5       | ND<0.5         | 68           |
|          | 12/20/00 | 1600    | 230           | ND<1.0      | ND<1.0  | ND<1.0       | ND<3.0         | 80           |
|          | 03/22/01 | 1100    | 140           | ND<1.0      | ND<1.0  | ND<1.0       | ND<1.0         | 83           |
|          | 06/27/01 |         | · <del></del> |             | NS      |              |                |              |
|          | 09/21/01 | 3800    | ND<100        | ND<1.0      | ND<1.0  | ND<1.0       | ND<1.0         | 45           |
|          | 12/27/01 | 3100    | 340           | 1.4         | 1.1     | 10           | 3.8            | 45           |
| MW-3     | 03/29/02 | 1500    | ND<100        | ND<1.0      | ND<1.0  | ND<1.0       | ND<1.0         | 50           |
|          |          |         |               |             |         |              |                |              |
|          | 06/13/02 | ND<1000 | 160           | ND<1.0      | ND<1.0  | ND<1.0       | ND<1.0         | 36           |
|          | 09/27/02 | ND<1000 | ND<1000       | ND<1.0      | ND<1.0  | ND<1.0       | ND<1.0         | 43           |
|          | 12/03/02 | ND<1000 | ND<100        | ND<1.0      | ND<1.0  | ND<1.0       | ND<1.0         | 41           |
|          | 03/31/03 | ND<1000 | ND<100        | ND<2.5      | ND<2.5  | ND<2.5       | ND<2.5         | 92           |
|          | 06/27/03 | 1200    | ND<100        | ND<2.0      | ND<2.0  | ND<2.0       | ND<2.0         | 93           |
|          | 09/19/03 | ND<1000 | ND<100        | ND<2.0      | ND<2.0  | ND<2.0       | ND<2.0         | 65           |
|          | 12/22/03 | 5700    | 190           | ND<2.0      | ND<2.0  | ND<2.0       | ND<2.0         | 56           |
|          | 01/17/05 | ND<50   | 590           | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 47           |
|          |          |         | ND<50         |             |         |              |                |              |
|          | 05/04/05 | ND<50   |               | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 190          |
|          | 08/11/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 110          |
|          | 12/13/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | 75           |
|          | 03/03/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | 140          |
|          | 06/12/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | 100          |
|          | 09/06/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 67           |
|          | 01/17/05 | ND<50   | 65            | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.0       |
|          | 05/04/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.0       |
|          | 08/12/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | 2.2          | 5.8            | ND<1.        |
| MW-4S    | 12/12/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | ND<1.        |
|          | 03/03/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | ND<1.        |
|          |          |         |               |             |         |              |                |              |
|          | 06/12/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | ND<1.        |
|          | 09/05/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.        |
|          | 01/17/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.        |
|          | 05/04/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.        |
|          | 08/12/05 | ND<50   | 410           | ND<0.5      | 2.2     | 10.0         | 25.5           | ND<1.        |
| MW-4D    | 12/12/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | ND<1.        |
| _        | 03/03/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | ND<1.        |
|          | 06/12/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | 8            |
|          | 09/05/06 |         | ND<50         |             |         | ND<0.5       |                | ND<1.        |
|          |          | ND<50   |               | ND<0.5      | ND<0.5  |              | ND<1.0         |              |
|          | 01/17/05 | ND<50   | ND<50         | ND<0.5      | 4.5     | ND<0.5       | ND<0.5         | ND<1.        |
|          | 05/04/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.        |
|          | 08/11/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 6            |
| MW-5S    | 12/12/05 | ND<50   | ND<50         | 3.4         | 1.3     | ND<0.5       | ND<1.0         | ND<1.        |
|          | 03/03/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | ND<1.        |
|          | 06/12/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | ND<1.        |
|          | 9/5/2006 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 5.4          |
|          | 01/17/05 | ND<50   | 210           | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.        |
|          | 05/04/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 10           |
|          |          |         |               |             |         |              |                |              |
| MANA/ FD | 08/11/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 6.4          |
| MW-5D    | 12/12/05 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | ND<1.        |
|          | 03/03/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | 4.7          |
|          | 06/12/06 | ND<50   | ND<50         | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | 5.0          |
|          | 09/05/06 | ND<50   | ND<50         | ND<0.5      | 0.60    | ND<0.5       | ND<0.5         | 5            |
| •        | 01/17/05 | 2800    | 1600          | 6.1         | ND<0.5  | 3.6          | 2.3            | 160          |
|          | 05/04/05 | ND<50   | 750           | ND<0.5      | ND<0.5  | 3.0          | ND<0.5         | 160          |
|          | -        |         | 1100          |             |         |              |                |              |
|          | 08/12/05 | 1300    |               | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 410          |
| MW 60    | 40/40/05 |         |               |             | ND<0.5  | 1.4          | ND<1.0         | 190          |
| MW-6S    | 12/12/05 | ND<50   | 1000          | ND<0.5      |         |              |                |              |
| MW-6S    | 03/03/06 | ND<50   | 940           | ND<0.5      | ND<0.5  | 4.9          | ND<1.0         | 60           |
| MW-6S    |          |         |               |             |         |              |                | 60<br>ND<1.0 |

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

| Well   Date   |                |          |        |        | Sunoi, Cali | onna    |              |                |                  |
|---|----------------|----------|--------|--------|-------------|---------|--------------|----------------|------------------|
| Well   Usit     |                |          | TPHd   | TPHa   | Renzene     | Toluene | Ethylhenzene |                | MTBE             |
| MW-FIDER  | Well           | Date     |        |        |             |         | •            | Xylenes (ug/L) |                  |
| MW-6D   |                |          | (ug/L) | (ug/L) | (ug/L)      | (ug/L)  | (ug/L)       |                | (ug/L)           |
| MW-6D   21/20/5   ND-50   480   2   ND-0.5   ND-0.5   ND-0.5   22   21/20/5   ND-50   240   ND-0.5   ND-0.5   ND-0.5   ND-0.1   12/20/5   ND-50   310   ND-0.5   ND-0.5   ND-0.5   ND-0.1   12/20/5   ND-0.5      |                | 01/17/05 | 2100   | 1200   | 10          | ND<0.5  | 1.6          | 2.2            | 180              |
| MW-6D   28/12/05   ND-50   480   2   ND-0.5   ND-0.5   ND-0.5   23/12/05   ND-50   240   ND-0.5   ND-0.5   ND-0.5   ND-0.10   12/12/05   ND-50   230   ND-0.5   ND-0.5   ND-0.5   ND-0.10   12/12/05   ND-0.50   230   ND-0.5   N   | -              | 05/04/05 | ND<50  | 360    | 2           | ND<0.5  | ND<0.5       | ND<0.5         | 360              |
| MW-6D   | -              |          |        |        | 2           |         |              |                | 270              |
| MW-71   | MW-6D          |          |        |        |             |         |              |                | 92               |
| MW-416    ND-50   130   ND-0.5   ND-   | IVIVV-OD       |          |        |        |             |         |              |                |                  |
| MW-7B   | -              |          |        |        |             |         |              |                | 93               |
| MW-75   | _              |          | ND<50  | 130    | ND<0.5      | 3       | 1.1          | 2.6            | 69               |
| MW-78  MW-78  MW-98  MW-98  MW-98  MW-98  MW-99  MW-90  M |                | 09/06/06 | ND<50  | 230    | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | 74               |
| MW-78  MW-78  MW-78  MW-78  MW-79  M |                | 01/17/05 | ND<50  | 12000  | 10          | 89      | 590          | 1670           | ND<1.0           |
| MW-7S    MW-7S   12/12/05   ND-50   660   ND-0.5   ND-0. | ľ              | 05/04/05 |        | 1600   | ND<0.5      | ND<0.5  | 31           | 18.4           | ND<1.0           |
| MW-75   | -              |          |        |        |             |         |              |                | ND<1.0           |
| MW-7D   | MM 78          |          |        |        |             |         |              |                | ND<1.0           |
| MW-95   MW-95   | WIVV-73        |          |        |        |             |         |              |                |                  |
|   | -              |          |        |        |             |         |              |                | ND<1.0           |
| MW-7D   | -              |          |        |        |             |         |              |                | ND<1.0           |
| MW-7D   |                | 09/07/06 | ND<50  | ND<0.5 | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.0           |
| MW-7D   |                | 01/17/05 | ND<50  | 23000  | 350         | 1000    | 1800         | 5200           | ND<1.0           |
| MW-7D   |                | 05/04/05 |        | •      | •           | NS      |              | •              |                  |
| MW-9D   | -              |          | 37     | 83000  | 550         | 2200    | 4400         | 10600          | ND<50            |
| MW-9LF  | MW-7D          |          |        |        |             |         |              |                | ND<50            |
| MW-91   MW-91   MW-105   MD-50   MD-  |                |          |        |        |             |         |              |                |                  |
| MW-9S   09/07/06   22000   71000   360   8600   33000   87000   ND  | ].             |          |        |        |             |         |              |                | ND<1.0           |
| MW-9L   O5/05/06   ND-50   ND-50   ND-0.5   N   |                |          |        |        |             |         |              |                | ND<1.0           |
| MW-8  |                | 09/07/06 | 22000  | 71000  |             | 8600    | 33000        | 87000          | ND<1.0           |
| MW-8         08/12/05         ND<50         ND<50         ND<0.5         ND<0.5 </td <td>I</td> <td>01/17/05</td> <td>ND&lt;50</td> <td>120</td> <td>ND&lt;0.5</td> <td>ND&lt;0.5</td> <td>ND&lt;0.5</td> <td>ND&lt;0.5</td> <td>ND&lt;1.0</td>  | I              | 01/17/05 | ND<50  | 120    | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.0           |
| MW-8         08/12/05         ND<50         ND<50         ND<0.5         ND<0.5 </td <td>ľ</td> <td>05/04/05</td> <td>ND&lt;50</td> <td>ND&lt;50</td> <td>ND&lt;0.5</td> <td>ND&lt;0.5</td> <td>ND&lt;0.5</td> <td>ND&lt;0.5</td> <td>ND&lt;1.0</td>   | ľ              | 05/04/05 | ND<50  | ND<50  | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.0           |
| MW-8  | <b> </b> -     |          |        |        |             |         |              |                | ND<1.0           |
| MW-9LF   05/05/06   ND<50   ND<50   ND<0.5   N  | MW-8           |          |        |        |             |         |              |                | ND<1.0           |
| MW-9S   MS-50   ND-50   ND-50   ND-0.5   ND-0.5   ND-0.5   ND-1.0   ND-0.5   ND-0   | 14144-0        |          |        |        |             |         |              |                |                  |
| MW-95   | -              |          |        |        |             |         |              |                | ND<1.0           |
| MW-9S         05/05/06         ND<50         1300         8.6         24         40         29.8         ND           06/14/06         ND<50  | -              |          |        |        |             |         |              |                | ND<1.0           |
| MW-9S         06/14/06         ND<50  |                | 09/07/06 | ND<50  | ND<50  | ND<0.5      | 3.3     | ND<0.5       | 5.5            | ND<1.0           |
| MW-9D   |                | 05/05/06 | ND<50  | 1300   | 8.6         | 24      | 40           | 29.8           | ND<1.0           |
| MW-9D       | MW-9S          | 06/14/06 | ND<50  | 330    | ND<0.5      | ND<0.5  | 3            | ND<1.0         | ND<1.0           |
| MW-9D         05/05/06         13         88000         5500         15000         4200         15000         ND           06/14/06         ND<50         76000         3200         13000         2700         9200         ND           09/07/06         5400         58000         1800         7400         2400         8000         ND           MW-9LF         05/05/06         ND<50         5400         12         17         190         150         ND           09/07/06         ND<50         1800         13         17         30         36         ND           09/07/06         ND<50         1100         58         23         31         58         ND           MW-10S         05/05/06         ND<50         ND<50         ND<0.5         ND<0.5         ND<0.5         ND<1.0         ND           06/13/06         ND<50         ND<50         ND<0.5   | -              |          |        |        |             |         |              |                | ND<1.0           |
| MW-9D         06/14/06         ND<50  | 1              |          |        |        |             |         |              |                | ND<1.0           |
| MW-9LF  | MW OD          |          |        |        |             |         |              |                |                  |
| MW-9LF         05/05/06         ND<50   | INI NA -AD     |          |        |        |             |         |              |                | ND<1.0           |
| MW-9LF         06/14/06         ND<50   |                |          |        |        |             |         |              |                | ND<1.0           |
| MW-10S  | <u> </u>       | 05/05/06 | ND<50  | 5400   | 12          | 17      | 190          | 150            | ND<1.0           |
| MW-10S         05/05/06         ND<50   | MW-9LF         | 06/14/06 | ND<50  | 1800   | 13          | 17      | 30           | 36             | ND<1.0           |
| MW-10S         05/05/06         ND<50         ND<50         ND<0.5         ND<0.5         ND<0.5         ND<1.0         ND           06/13/06         ND<50   |                | 09/07/06 | ND<50  | 1100   | 58          | 23      | 31           | 58             | ND<1.0           |
| MW-10S         06/13/06         ND<50         ND<50         ND<0.5  | Ī              | 05/05/06 |        |        |             | ND<0.5  | ND<0.5       |                | ND<1.0           |
| MW-10D    MD<  MD<  MD<  MD<  MD<  MD<  MD<   | MW-10S         |          |        |        |             |         |              |                | ND<1.0           |
| MW-10D         05/05/06         ND<50   |                |          |        |        |             |         |              |                | ND<1.0           |
| MW-10D         06/13/06         ND<50   | <u> </u>       |          |        |        |             |         |              |                |                  |
| MW-10LF   |                |          |        |        |             |         |              |                | ND<1.0           |
| MW-10LF         05/05/06         ND<50  | MW-10D         |          |        |        |             |         |              |                | ND<1.0           |
| MW-10LF         06/13/06         ND<50  |                | 09/07/06 | ND<50  | 2400   | 3.9         | 2.0     | 54           | 11.9           | ND<1.0           |
| MW-10LF         06/13/06         ND<50  |                | 05/05/06 | ND<50  | 860    | ND<0.5      | 11      | ND<0.5       | 4.6            | ND<1.0           |
| MW-11S         09/07/06         ND<50   | MW-10LF        | 06/13/06 | ND<50  | 780    | 2.0         | 2.4     | 1.1          | 4.2            | ND<1.0           |
| MW-11S         05/05/06         ND<50   | J <sup>*</sup> |          |        |        |             |         |              |                | ND<1.0           |
| MW-11S         06/14/06         ND<50   | İ              |          |        |        |             |         |              |                | 8.4              |
| MW-11D         05/05/06         ND<50   | MW-119         |          |        |        |             |         |              |                | ND<1.0           |
| MW-11D         05/05/06         ND<50   | 111111113      |          |        |        |             |         |              |                |                  |
| MW-11D         06/14/06         18000         6500         12         4         11         22         2           09/06/06         210000         33000         25         30         28         97         3           MW-11LF         05/05/06         ND<50         1300         ND<0.5         ND<0.5         ND<0.5         ND<0.5         ND<0.5         ND<1.0         2           09/06/06         1100         99         ND<0.5   |                |          |        |        |             |         |              |                | 4.8              |
| MW-11LF         05/05/06         ND<50  |                |          |        |        |             |         |              |                | 47               |
| MW-11LF         05/05/06         ND<50  | MW-11D         |          |        |        |             |         |              |                | 26               |
| MW-11LF         06/14/06         1100         99         ND<0.5   |                | 09/06/06 | 210000 | 33000  | 25          | 30      | 28           | 97             | 31               |
| MW-11LF         06/14/06         1100         99         ND<0.5   |                | 05/05/06 | ND<50  | 1300   | ND<0.5      | ND<0.5  | ND<0.5       | 3              | 250              |
| 09/06/06         5300         ND<50   | MW-11LF        |          |        |        | ND<0.5      |         |              | ND<1.0         | 240              |
| MW-12S         05/05/06         ND<50   | · · · - ·  -   |          |        |        |             |         |              |                | 160              |
| MW-12S         06/13/06         ND<50   | <u> </u>       |          |        |        |             |         |              |                | ND<1.0           |
| 09/07/06 ND<50 <b>81</b> ND<0.5 ND<0.5 ND<0.5 ND<0.5 ND<0.5 ND  | MW 436         |          |        |        |             |         |              |                |                  |
|   | IVI VV-125     |          |        |        |             |         |              |                | ND<1.0           |
| 05/05/06 ND<50 ND<50 ND<0.5 ND<0.5 ND<0.5 ND<1.0 ND   |                |          | ND<50  | 81     | ND<0.5      | ND<0.5  | ND<0.5       | ND<0.5         | ND<1.0           |
| 112 1010 112 1010 112 1010 112 1010   |                | 05/05/06 | ND<50  | ND<50  | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | ND<1.0           |
| MW-12D 06/13/06 ND<50 ND<50 ND<0.5 ND<0.5 ND<0.5 ND<1.0 ND  | MW-12D         | 06/13/06 | ND<50  | ND<50  | ND<0.5      | ND<0.5  | ND<0.5       | ND<1.0         | ND<1.0           |
|   | ľ              |          |        |        |             |         |              |                | ND<1.0           |
|   | i              |          |        |        |             |         |              |                | ND<1.0           |
|   | MM 421 E       |          |        |        |             |         |              |                |                  |
|   | IVI VV-12LF    |          |        |        |             |         |              |                | ND<1.0<br>ND<1.0 |

#### Note:

Concentrations reported in micrograms per Liter (ug/L)
MTBE = Methyl-tert-Butyl Ether

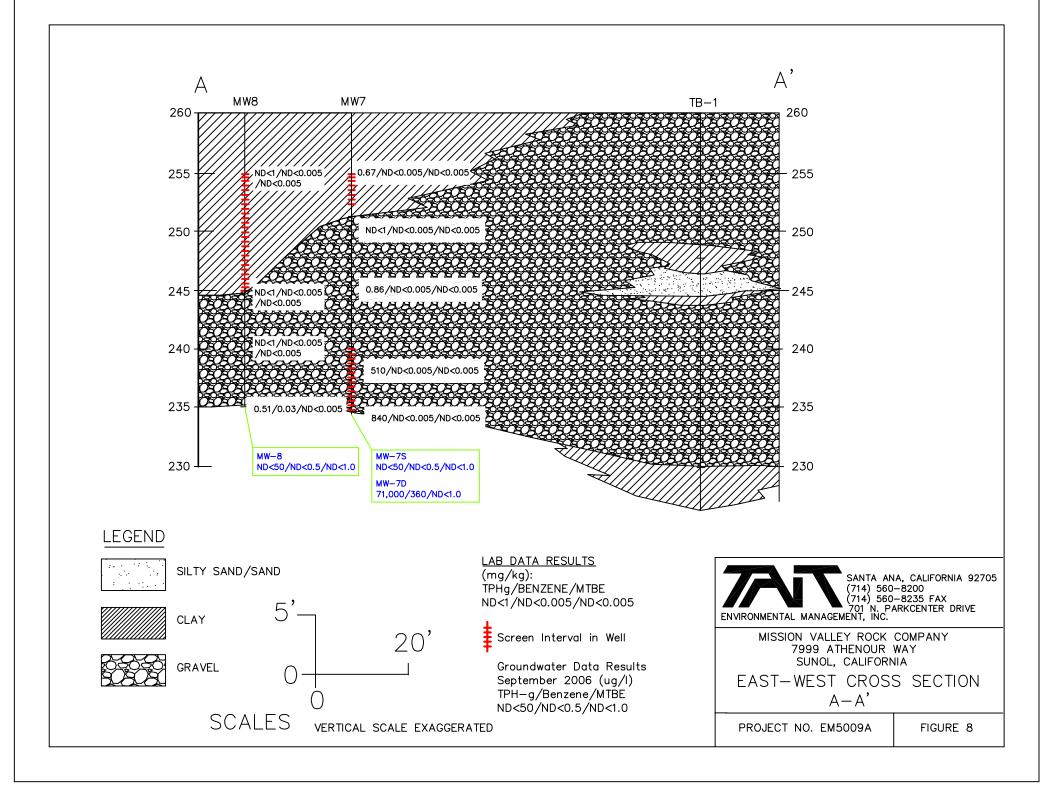
ND = Not Detected at or above corresponding reporting limit
NS = Not Sampled

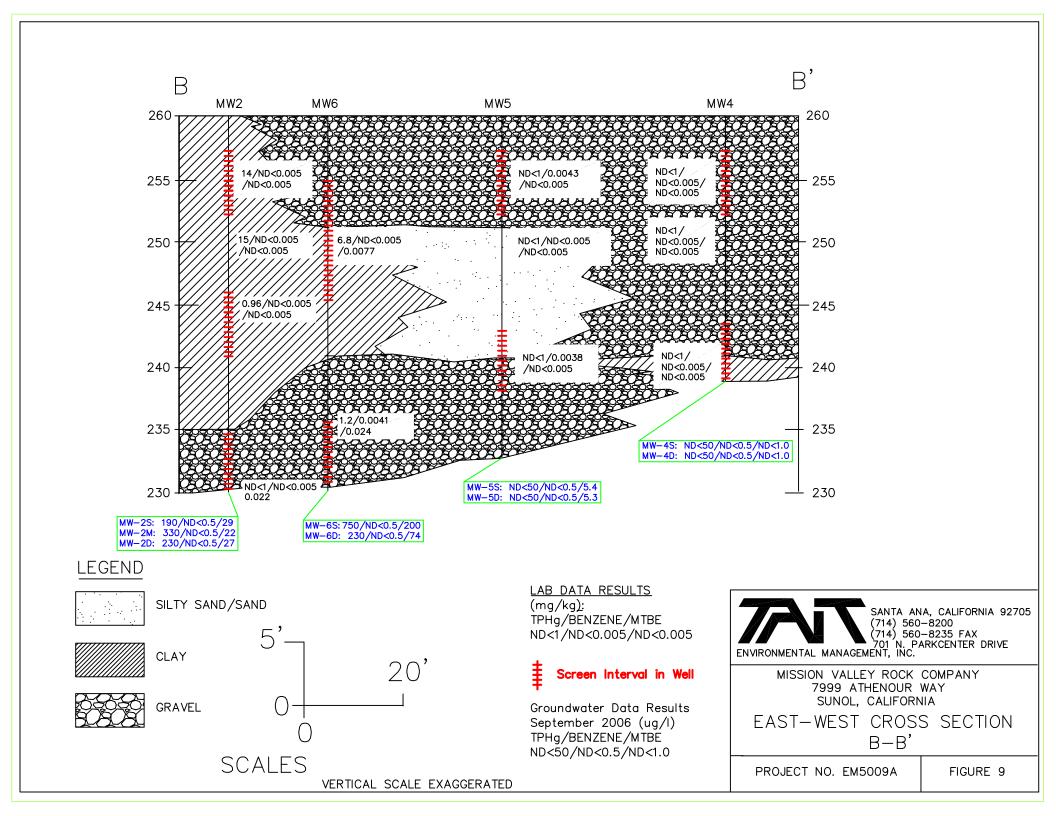
TPHd = Total Petroleum Hydrocarbons as Diesel

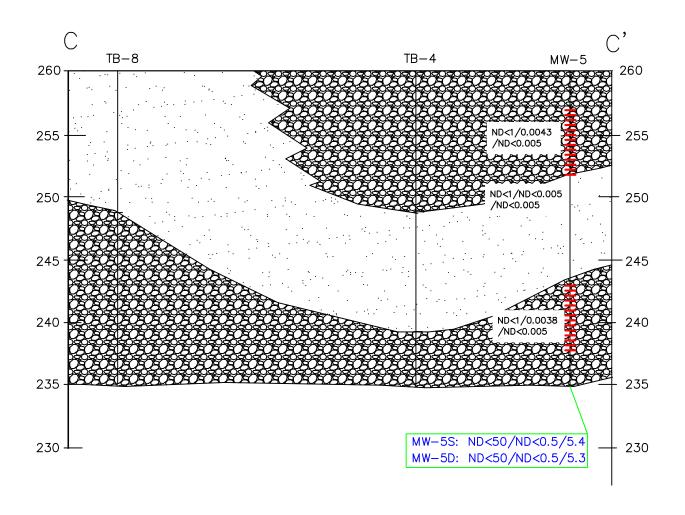
TPHd = Total Petroleum Hydrocarbons as Gasoline

NM: Not Measured

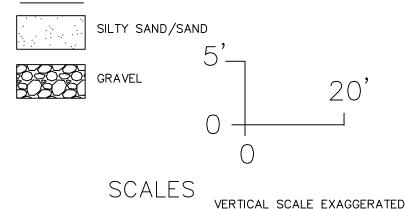
# APPENDIX A CROSS SECTIONS











### LAB DATA RESULTS

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

### Screen Interval in Well

Groundwater Data Results September 2006 (ug/l) TPHg/BENZENE/MTBE ND<50/ND<0.5/ND<1.0



MISSION VALLEY ROCK COMPANY 7999 ATHENOUR WAY SUNOL, CALIFORNIA

NORTH-SOUTH CROSS SECTION C-C'

PROJECT NO. EM5009A

FIGURE 10

# APPENDIX B SAMPLING DATA SHEETS



| Project Name                  | " Missi                                    | on Va                     | They "                   | 2-0c            | <u> </u>                               |  |       | Date                      | ) <b>:</b>    | 9 -                  | 5-0                | 9                   |                               |                    |   |                  |
|-------------------------------|--|---------------------------|--------------------------|-----------------|--|--|-------|---------------------------|---------------|----------------------|--------------------|---------------------|-------------------------------|--------------------|---|------------------|
| Project No.:                  | EME  | 2009 C                    | J                        |                 |  |  |       | Prep                      | ared E        | ly:                  | M2                 | S                   |                               | *****              |   |                  |
| Weil Identific                | ***************************************    | <u> </u>                  |                          |                 |  |  |       |                           | ther:         |                      | Hor                | / due               | <u> </u>                      | r <del>ee</del> n: |   |                  |
| Measurement                   | Point De                                   | scription:                | <u> </u>                 | <u> </u>        | Mort                                   | <u>~ </u>                              |       | Pum                       | p inta        | ke:                  | 20                 | FT                  |                               |                    |   |                  |
| Depth to<br>LNAPL<br>(ft-bmp) | Static                                     | th to<br>Water<br>ft-bmp) | Well T                   | otai [<br>t-bmp | •                                      | Water<br>Colum<br>Heigh<br>(ft)        | n     | LNAPL Thick<br>(ft-bmp)   |               | 1                    | )ne (1)<br>piume ( | •                   | 1                             | ing<br>mes         | Above<br>Screen<br>Volume               | Screen<br>Volume |
| NA                            | 1.8  | િ                         | 23                       | . Зе            | 3                                      | 15.2                                   | 0     | NA                        |               |                      | 2,47               | 3                   | 7.3                           | 31                 |   | •                |
| Weii Diame                    | eter (in)                                  | 10 m                      | Gal                      | ions/i          | oot                                    |  | Fiel  | d Equipment               | : 47          | 100                  | Adi                | , (                 | walter                        | A DUV              | ND IN                                   | verre            |
|                               |  | 0.75                      | 2                        |                 | 4                                      | 6                                      | Pur   | ge Method:                |               |                      |                    |                     | pump                          | •                  |   |                  |
| 0.75 (2)                      | 4 6  | 0.02                      | 0.16                     |                 | 0.65                                   | 1.47                                   | Wel   | i Condition:              |               |                      | rood               |                     |                               | •                  |   |                  |
| Time Casi                     | me Casing / Screen Purged (gallons         |                           |                          | Rate<br>m)      | Water<br>Level<br>(ft-bmp)             | pl                                     | H     | Temperature<br>(°C)       | Turbic<br>(NT |                      | Condu<br>( ら人      | ctivity<br><b>M</b> | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)        | Obs                                     | ervations        |
| 330                           |  | (gallons) (gpm)           |                          |                 | NA                                     | ۱.۲                                    | 3     | 23.7                      | 800           | )                    | 0.3                | 47                  | 7.9                           | 128                | Clo                                     | udy              |
| 1339                          |  | 2                         | 0.7                      | 22              | ١                                      | 7.                                     | 28    | 21.3                      | 500           | >                    | 03                 | 45                  | 8.7                           | 152                | -                                       |                  |
| 1346                          | _  | 4                         | 0.                       | 29              |  | 7.                                     | 19    | 19.9                      | 49            | 1                    | 0.7                | 75                  | ୫'୫                           | 102                |   |                  |
| 1356                          |  | 6                         | 0.                       | 20              |  | 7.0                                    | 77    | 19.6                      | 49            | 6                    | 0.7                | 76                  | 8.7                           | 97                 |   |                  |
| 1403                          |  | 8                         | 0.1                      | 29              | T                                      | ٦.                                     | 05    | 19.7                      | 47            | 5                    | 0.7                | <i>8</i> એ          | 8.7                           | 103                | . J                                     | /                |
|                               |  |                           |                          |                 |  |  |       |                           |               |                      |                    |                     |                               |                    |   |                  |
| Purge Start<br>Time           | Start Furge End Average Flow Total Gallons |                           | Total C<br>Volur<br>Purg | mes 🌷           | 80%<br>Recovery<br>Water Leve<br>Depth | al at                                  | t San | Level<br>npling<br>t-bmp) | Colle         | mple<br>ection<br>me | San                | nple Identifica     | tion                          |                    |   |                  |
| 1330                          | 1403 0.24 8 3.3                            |                           |                          |                 |  |  |       | 11.24                     | 1             | o .                  | S5                 | 14                  | 05                            |                    | *************************************** |                  |
| Notes:                        |  |                           |                          |                 |  | ······································ |       |                           |               |                      |                    |                     | 1                             |                    |   | <del></del>      |



| Project I               | Name:    | Missi             | on Vo                         | <u> </u>     | ey Y   | 20                                    | دلا                    |                         |                        |               | Date:                             |                | 9-             | 5-0                      | 9      |                               |                    |  |                  |
|-------------------------|----------|-------------------|-------------------------------|--------------|--------|---------------------------------------|------------------------|-------------------------|------------------------|---------------|-----------------------------------|----------------|----------------|--------------------------|--------|-------------------------------|--------------------|--|------------------|
| Project I               | No.:     | EMS               | 2009 C                        |              | J      |                                       |                        |                         |                        |               | Prepa                             | red B          | y:             | MZ.                      | 5      |                               |                    |  |                  |
| Well Ide                |          |                   | MW -                          |              | IS     |                                       |                        |                         |                        |               | Weati                             | ıer:           | 1+             | DT /                     | DRY    | Sc                            | r <del>ee</del> n: |  |                  |
| Measure                 | ment     | Point De          | scription                     | ):<br>       | TOC    | ント                                    | 1012th                 | `                       |                        |               | Pump                              | intak          | e:             |                          |        |                               |                    |  |                  |
| Depth<br>LNAF<br>(ft-bn | 'L       | Static            | th to<br>Water<br>ft-bmp)     | ٧            |        | otal<br>-bm                           | Depth<br>p)            | Wa<br>Colu<br>Hel<br>(f | ımn<br>ght             | LNAPL<br>(ft  | Thickr<br>-bmp)                   | 1055           |                | one (1) C<br>olume (g    |        | <del>-</del> 1                | ing<br>mes         | Above<br>Screen<br>Volume              | Screen<br>Volume |
| NA                      |          | 3,6               | 90                            |              | 8      | .3                                    | 5                      | 4.5                     |                        | 2             | A                                 |                |                | 0.7                      | 2      | 2.                            | 1                  | ************************************** |                  |
| Well [                  | lamet    | or (in)           |                               |              | Gal    | lons                                  | Foot                   |                         | F                      | ield Equip    | ment:                             | H              | <b>&gt;</b> 0- | AC                       | u:     | ALTERA                        | DOW                | p, Inve                                | votov.           |
|                         | <u> </u> | GI (III)          | 0.75                          |              | 2      |                                       | 4                      | 6                       | P                      | urge Meti     | od:                               |                |                |                          |        | pump                          |                    | <del></del>                            |                  |
| 0.75                    |          | 1 6               | 0.02                          |              | 0.16   |                                       | 0.65                   | 1.47                    | W                      | Vell Condi    | tion:                             |                |                | -00d                     |        |                               |                    |  |                  |
| Time                    | Casing   | / Screen          | Volume<br>Purged<br>(gallons) |              | Flow f |                                       | Wate<br>Leve<br>(ft-bm | i                       | pН                     | Temper<br>(°C |                                   | Turbid<br>(NTU |                | Conduct                  | tivity | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)        | Obs                                    | ervations        |
| 1415                    |          |                   | 0                             |              | ø      |                                       | NA                     | ٦                       | . 19                   | 22.           | 8                                 | 712            | -              | 0,8                      | 15     | 7.8                           | 115                | Cl                                     | oudy             |
| 1421                    |          |                   | 1                             |              | 0.1    | 7                                     | 1                      | 7                       | 1.2                    | 7 22.         | 8                                 | 416            | >              | 0.70                     | 15     | 7.8                           | 125                |  |                  |
| 428                     |          |                   | 2                             |              | 6.1    | Ч                                     |                        | -                       | 1.30                   | 22.           | 8                                 | 397            | 7              | 0,70                     | 12     | 7.8                           | 119                |  |                  |
| 1432                    | ļ        |                   | 3                             |              | 0.1    | 7                                     | 1                      |                         | 1.34                   | 4 22.         | 8                                 | 402            | <u>'</u> _     | 0,70                     | 90     | 7.8                           | 116                |  | T                |
| A                       |          |                   |                               | -            |        | · · · · · · · · · · · · · · · · · · · |                        |                         |                        |               |                                   |                |                | ·                        |        |                               |                    |  |                  |
|                         |          |                   |                               |              |        |                                       |                        |                         |                        |               |                                   |                |                |                          |        |                               |                    |  |                  |
| Purge Sta<br>Time       | art F    | Purge End<br>Time |                               | ge f<br>(pm) |        |                                       | al Gallons<br>Purged   | Vo                      | l Cas<br>lume<br>urged | s Re          | 30%<br>covery<br>er Level<br>epth | at             | Sam            | Level<br>apling<br>-bmp) | Colle  | mple<br>ection<br>me          | Sar                | mple Identifica                        | tion             |
| 1415                    |          | 1432              | 0,                            | 18           | 3      |                                       | 3                      | 4                       | . 2                    | Ч             | 79                                | 3              | ۹. د           | 8                        | 14     | 50                            |                    |  |                  |
| Notes:                  |          |                   |                               |              |        |                                       |                        |                         |                        |               |                                   | erahanaran ana |                |                          | ****   |                               |                    |  |                  |



| Project N                  | lame:       | Miss             | ion Ua                        | Mey Y            | 200              | ·~_                       |                                 |          | Date                                   | :                                       | 9        | -5-                      | 06                  |                               |             |                           |                  |
|----------------------------|-------------|------------------|-------------------------------|------------------|------------------|---------------------------|---------------------------------|----------|--|---|----------|--------------------------|---------------------|-------------------------------|-------------|---------------------------|------------------|
| Project N                  | lo.:        |                  | 5009 C                        |                  |                  |                           |                                 |          | Prep                                   | ared B                                  | y:       | MJ                       | S                   |                               |             |                           |                  |
| Well iden                  |             |                  | MW-                           |                  |                  |                           |                                 |          | Weat                                   | her:                                    | 1        | しもて                      | lory                | Sc                            | reen:       |                           |                  |
| Measurer                   | ment i      | Point De         | escription                    | : TOC            | <u> </u>         | ORTH                      | <u> </u>                        |          | Pum                                    | p intak                                 | (e:      | 181                      | FT                  |                               |             |                           |                  |
| Depth t<br>LNAP!<br>(ft-bm | L           | Static           | oth to<br>Water<br>(ft-bmp)   | Well T           | otal D<br>t-bmp) | - (                       | Water<br>Colum<br>Helgh<br>(ft) | n l      | .NAPL Thick<br>(ft-bmp)                | ness                                    | 1        | ne (1)<br>lume (         | _                   | 1                             | ing<br>mes  | Above<br>Screen<br>Volume | Screen<br>Volume |
| NA                         |             | 7.3              | 30                            | 22               | وعار             | 5                         | 15.39                           | 5        | NA                                     |   |          | 2.4                      | و                   | 7.1                           | + _         |                           |                  |
| Well D                     | lamet       | er (In)          |                               | Gal              | lons/F           | oot                       |                                 | Fleic    | i Equipment:                           | He                                      | >e.^     | AC                       | ي ر                 | altera                        | pun         | p, inve                   | reter            |
|                            | · · · · · · | ,                | 0.75                          | 2                |                  | 4                         | 6                               | Purg     | e Method:                              |   |          | Lera                     |                     |                               |             |                           |                  |
| 0.75 (2                    | )   '       | 4 6              | 0.02                          | 0.16             |                  | 0.65                      | 1.47                            | Well     | Condition:                             |   | <u> </u> |                          |                     | `                             |             |                           |                  |
| Tlme                       | Casing      | ı / Screen       | Volume<br>Purged<br>(gallons) | Flow F           |                  | Water<br>Level<br>(ft-bm) | l pl                            | <b>-</b> | Temperature<br>(°C)                    | Turbid<br>(NTL                          |          | Condu<br>(S/v            |                     | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV) | (100                      | ervations        |
| 1509                       |             |                  | 0                             | ø                |                  | NA                        | 7.3                             | 33       | 22.4                                   | 208                                     | 3        | 0.3                      | 811                 | 8.5                           | 114         | <u></u>                   | EAR              |
| 1515                       | ļ           |                  | 2                             | 0.3              |                  |                           | 7.3                             |          | 22.2                                   | 19                                      |          | 0.3                      |                     | <u>છ</u> .9                   | 117         |                           |                  |
| 1521                       |             |                  | 4                             | 0.3              | <u>,3</u>        |                           | 7.                              |          | 22.1                                   | 158                                     | 3        | O · ろ                    |                     | 9.4                           | 120         |                           |                  |
| 1525                       | <del></del> |                  | لما                           | 0.5              | ,0               |                           | 7.                              | 15       | 22.0                                   | 16                                      | 7        | E, O                     |                     | 9.8                           | 155         |                           |                  |
| 1529                       |             |                  | 8                             | 0.5              | 50               | 1                         | 7.                              | 11       | 22.0                                   | 188                                     | 8        | 0.3                      | 48                  | 10.1                          | 110         | ) '                       | <i>V</i>         |
|                            |             |                  |                               |                  |                  |                           |                                 | _        |  | *************************************** |          |                          |                     |                               |             |                           |                  |
| Purge Stal<br>Time         | ırt F       | Purge En<br>Time |                               | ige Flow<br>ipm) |                  | Gallons<br>urged          | Total C<br>Volur<br>Purg        | nes      | 80%<br>Recovery<br>Water Leve<br>Depth | at                                      | Sam      | Level<br>apling<br>-bmp) | San<br>Colle<br>Tir | ction                         | Sa          | ample Identifica          | tion             |
| 1509                       |             | 1529             | 7 0                           | .4               | (                | 8                         | 3.                              | 3        | 10.38                                  | ,   1                                   | 0.       | 38                       | 15                  | 35                            |             |                           |                  |
| Notes:                     |             |                  |                               |                  |                  |                           |                                 |          |  |   |          |                          |                     |                               |             |                           |                  |

| Project N                   | ame:     | Missi                      | on Va                         | lley 1         | 20cx              |                           |                                 |          | Date                                   |                | 9-5                                 |                    |                              |                           |                              |                           |                  |
|-----------------------------|----------|----------------------------|-------------------------------|----------------|-------------------|---------------------------|---------------------------------|----------|--|----------------|-------------------------------------|--------------------|------------------------------|---------------------------|------------------------------|---------------------------|------------------|
| Project N                   | 0.:      | EM5                        | 009 C                         |                |                   |                           |                                 |          | Prep                                   | ared B         |                                     | 428                |                              |                           | v                            |                           |                  |
| Nell Iden                   |          |                            | - WN                          |                |                   |                           |                                 |          | Wea                                    |                |                                     | 1000               | <b>à</b>                     | Sc                        | reen:                        |                           |                  |
| Measuren                    | nent l   | Point Des                  | scription                     | : TOC          | No                | RTH                       |                                 |          | Pum                                    | p Intal        | (e: /                               | AC                 |                              |                           |                              |                           |                  |
| Depth t<br>LNAPI<br>(ft-bm) | <b>-</b> | Dept<br>Static<br>Level (f | Water                         |                | otal De<br>t-bmp) | pth                       | Water<br>Colum<br>Heigh<br>(ft) | n I      | LNAPL Thick<br>(ft-bmp)                |                |                                     | (1) Cas<br>me (gal | - 1                          | Cas<br>Volu               | e (3)<br>sing<br>mes<br>ons) | Above<br>Screen<br>Volume | Screen<br>Volume |
| AU                          |          | 7.0                        | 2                             | 8              | .24               |                           | 1,22                            | -        | NA                                     |                | ٧                                   | 20                 |                              | ٥,                        | ١ م                          |                           |                  |
| Well Di                     | lamet    | er (in)                    |                               | Gal            | lons/Fo           | ot                        |                                 | Field    | d Equipment                            | l L            | DALt                                | ERA                | φs                           | mp,                       | pos                          | , Adr                     | nerle            |
|                             | <u> </u> |                            | 0.75                          | 2              |                   | 4                         | 6                               | Purç     | ge Method:                             | H              | <u>₩</u> ~                          | > />               | 201                          |                           |                              |                           |                  |
| 0.75 ( 2                    | <u> </u> | 4 6                        | 0.02                          | 0.16           | 0.                | 65                        | 1.47                            | Well     | Condition:                             | (              | 500                                 | a                  |                              | <del></del>               |                              |                           |                  |
| Time                        | Casing   | j / Screen                 | Volume<br>Purged<br>(gallons) | Flow (gpr      | 1                 | Water<br>Level<br>(ft-bmp | pl                              | 4        | Temperature<br>(°C)                    | Turbic<br>(NTU |                                     | onductivi<br>S/w   | <sup>τy</sup> Ο              | ssolved<br>xygen<br>mg/L) | ORP<br>(mV)                  | ОЬ                        | servations       |
| 1545                        |          |                            | 0                             | Ø              | ,                 |                           | ( <sub>G</sub> . §              | 38       | 25.4                                   | 996            | a                                   | ملا، ت             | 2 0                          | ٦.١                       | 152                          | - M                       | iery             |
|                             |          |                            | WE                            | <u> </u>       | UEN.              | 7 2                       | >rzy                            | <u> </u> | SING B                                 | tan            | O BA                                | NER                | 2                            | ٠                         | ss t                         | nan (                     | D.5 9A           |
|                             |          |                            |                               |                |                   |                           |                                 |          |  |                |                                     |                    |                              |                           |                              |                           |                  |
| Purge Star<br>Time          | rt F     | Purge End<br>Time          |                               | ge Flow<br>pm) | Total G<br>Purç   |                           | Total C<br>Volur<br>Purg        | nes      | 80%<br>Recovery<br>Water Leve<br>Depth | at             | /ater Lev<br>: Samplii<br>ne (ft-bn | ng (               | Sample<br>Collection<br>Time | 3                         | Sa                           | ample Identific           | ation            |
| 1545                        | •        |                            |                               |                | 0                 | 25                        | (                               |          | 7.27                                   |                | 7 27                                | 1                  | وباف                         | 5                         |                              | •                         |                  |
| Notes:                      | WE       | u w                        | AS I                          | purgi          | EV) 4             | £ 50                      | amp1                            | Ep       | 05,00                                  | 2              | 1126                                | OSAV               | ste V                        | and                       | , be                         | ler                       |                  |



| Project N               | lame:  | Missia                        | on Ua                         | lley 1         | Roc             | K_                         |                                   |       | Date                                   | <b>:</b>     | 9           | - ه -                     | 00    |                               |   |                           |                  |
|-------------------------|--------|-------------------------------|-------------------------------|----------------|-----------------|----------------------------|-----------------------------------|-------|--|--------------|-------------|---------------------------|-------|-------------------------------|---|---------------------------|------------------|
| Project N               | lo.:   | EM5                           | D09 C                         |                |                 |                            |                                   |       | Prep                                   | ared E       | By:         | MZ                        | S     |                               |   |                           |                  |
| Well Ider               |        |                               | MW                            |                |                 |                            |                                   |       | Weat                                   | her:         | 14          | 5/ 70                     |       | 9                             | cr <del>ee</del> n:                     |                           |                  |
| Measure                 | ment l | Point Des                     | cription                      | 10             | C 1             | 20024                      | <del>.\</del>                     |       | Pum                                    | o Inta       | ke:         | 12                        | FT    |                               |   |                           |                  |
| Depth<br>LNAP<br>(ft-bm | L      | Depti<br>Static \<br>Level (f | Water                         | Well 1         | otal E<br>t-bmp | •                          | Water<br>Columi<br>Height<br>(ft) | n L   | .NAPL Thick<br>(ft-bmp)                | ness         | 1           | )ne (1)<br>plume (        |       | g Ca<br>s) Voi                | ee (3)<br>sing<br>umes<br>lions)        | Above<br>Screen<br>Volume | Screen<br>Volume |
| NA                      |        | 7.9                           | 7                             | 14             | .70             |                            | 6-73                              | 3     | てき                                     |              |             | 1.0-                      | 7     | 3 -                           | 23                                      |                           |                  |
| Well D                  | lamet  | er (in)                       |                               | Ga             | lons/i          | oot                        |                                   | Fleid | Equipment:                             | he           | محرا        | OA.                       | ىں    | alteer                        | · pom                                   | pinne                     | RTOR             |
|                         |        |                               | 0.75                          | 2              | <u> </u>        | 4                          | 6                                 | Purg  | e Method:                              |              |             |                           |       | mp                            |   |                           |                  |
| 0.75 ( 2                |        | 4 6                           | 0.02                          | 0.16           |                 | 0.65                       | 1.47                              | Well  | Condition:                             | C            | صو          | od_                       |       |                               |   |                           |                  |
| Time                    | Casing | / Screen                      | Volume<br>Purged<br>(gallons) | Flow<br>(gp    |                 | Water<br>Level<br>(ft-bmp) | pŀ                                | 4     | Temperature<br>(°C)                    | Turbi<br>(NT |             | Conduc                    |       | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                             | Obs                       | ervations        |
| 802                     |        |                               | 0                             | ø              | 3               | NA                         | 7.2                               | -2    | 20.2                                   | 0 VE<br>99   |             | 0.2                       | 85    | 8.0                           | 117                                     | N                         | Rey              |
| <u> </u> ୧୦୧            |        |                               |                               | Ö              | 14              | 1                          | 7.0                               | 21    | 19.7                                   |              |             | 0.2                       | 97    | ריר                           | 141                                     |                           |                  |
| 214                     |        |                               | 2                             | 0.             | 20              |                            | 7.0                               | >5    | 20.0                                   |              |             | 0.2                       | 98    | 7.8                           | 122                                     |                           |                  |
| 821                     |        |                               | 3                             | 0.             |                 |                            | 7.0                               | 7     | 20.0                                   |              |             | 0.2                       | 99    | 7.9                           | 120                                     |                           |                  |
| 828                     |        |                               | 4                             | 0 .            | 14              | 1                          | 7.                                | 11    | 20.3                                   | Ĵ            | /           | 0.2                       | 97    | 7.8                           | 155                                     |                           |                  |
|                         |        |                               |                               |                |                 |                            |                                   |       |  |              |             |                           |       |                               |   |                           |                  |
| Purge Sta<br>Time       | ırt F  | Purge End<br>Time             |                               | ge Flow<br>pm) |                 | Gallons                    | Total C<br>Volun<br>Purg          | nes   | 80%<br>Recovery<br>Water Leve<br>Depth | a            | t Sam       | Level<br>npling<br>t-bmp) | Colle | nple<br>ection<br>ne          | Sar                                     | nple Identifica           | ition            |
| 802                     | -      | 828                           | 0.                            | 15             |                 | 4                          | 3.                                | 7     | 9.32                                   | 4            | ට<br>දි. රි | 57                        | 8     | 31                            | *************************************** |                           |                  |
| Notes:                  |        |                               |                               |                | <u> </u>        |                            |                                   |       | <u> </u>                               |              |             |                           |       |                               |   |                           |                  |



| roject N                | tame:  | Missi             | on Va                         | Mey 1                                 | 2021              | <u> </u>                   |                                       |         | Date:                                   |  | 9-6                                  | - 0 G | ·                             |             |   |  |
|-------------------------|--------|-------------------|-------------------------------|---------------------------------------|-------------------|----------------------------|---------------------------------------|---------|---|--|--------------------------------------|-------|-------------------------------|-------------|---|--|
| Project N               |        |                   | 2009 C                        |                                       |                   |                            |                                       |         | Prepa                                   | red By                                 | : M3                                 | `S    |                               |             |   |  |
| Nell Iden               |        |                   | MW.                           | T                                     |                   | -                          |                                       |         | Weat                                    | her: t                                 | tor /                                | Dry   | Sc                            | reen:       |   |  |
| /leasure                | ment   | Point De          | scription                     | TO                                    | <u> </u>          | 7 OBYF                     | 4                                     |         | Pump                                    | Intak                                  | <u> 20</u>                           | FT    |                               |             |   |  |
| Depth<br>LNAP<br>(ft-bm | L      | Static            | th to<br>Water<br>ft-bmp)     | Well T                                | otal De<br>t-bmp) | •                          | Water<br>Column<br>Height<br>(ft)     | LN      | IAPL Thick<br>(ft-bmp)                  | ness                                   | One (1)<br>Volume (                  | _     | - 1                           | ing<br>mes  | Above<br>Screen<br>Volume               | Screen<br>Volume                       |
| NA                      |        | 7.0               | 90                            | 29.                                   | 15                |                            | 21.25                                 | -       | NA                                      |  | 3.1                                  | 4     | 10                            | - 2         |   | _                                      |
| Well D                  | lamei  | ter (In)          |                               | Gal                                   | ions/F            | oot                        | ı                                     | Fleid I | Equipment:                              | 1-6                                    | eulos,                               | لمرب  | itera p                       | omp.        | inver                                   | non                                    |
|                         |        |                   | 0.75                          | 2                                     |                   | 4                          | 6 I                                   | urge    | Method:                                 |  |                                      |       | omp.                          |             |   |  |
| 0.75 2                  |        | 4 6               | 0.02                          | 0.16                                  |                   | 0.65                       | 1.47 <b>\</b>                         | Nell C  | ondition:                               |  | <del>ood</del>                       | `     | `                             | ·           |   |  |
| Time                    | Casing | g / Screen        | Volume<br>Purged<br>(gallons) | Flow (gpr                             |                   | Water<br>Level<br>(ft-bmp) | рH                                    | T       | emperature<br>(°C)                      | Turbidit<br>(NTU)                      |                                      |       | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV) | Obs                                     | ervations                              |
| 845                     |        |                   | 0                             | 9                                     | 5                 | NA                         | 7.5                                   | જ       | 19.2                                    | 205                                    | 0.7                                  | 223   | 4.8                           | 124         | حا م                                    | · dy                                   |
| 853                     |        |                   | 3                             | 0.3                                   | 8                 |                            | 7.4                                   | 4       | 19.4                                    | 195                                    | 0.7                                  | 230   | 8.2                           | 127         |   |  |
| 704                     | -      |                   | لها                           | 0.                                    | 27                |                            | 7.2                                   | 5       | 19.6                                    | 219                                    | 0.7                                  | 134   | 8.4                           | 130         |   | ······································ |
| 715                     | ļ      |                   | 9                             | 0.                                    | 27                |                            | 7.2                                   | 2       | 19.4                                    | 302                                    | - 0.                                 | 234   | 7.9                           | 129         |   |  |
| 925                     |        |                   | 12                            | 0.                                    | 30                | 4                          | 7.2                                   | .2      | 19.4                                    | 229                                    | 0.2                                  | 234   | 8.1                           | 131         |   | 7                                      |
|                         |        |                   |                               |                                       |                   |                            |                                       |         |   | ······································ |                                      |       |                               |             | *************************************** |  |
| Purge Sta<br>Time       | art    | Purge End<br>Time |                               | ge Flow<br>pm)                        |                   | Gallons<br>rged            | Total Ca<br>Volum<br>Purge            | es      | 80%<br>Recovery<br>Water Level<br>Depth | at                                     | iter Level<br>Sampling<br>e (ft-bmp) | Colle | nple<br>ection<br>me          | Sar         | mple Identifica                         | ition                                  |
| 845                     |        | 925               | 0                             | · 3                                   | (                 | 12                         | 3.5                                   | 5       | 12.15                                   | 4                                      | 3.12                                 | 9     | 28                            |             |   |  |
| Notes:                  | L      |                   |                               | · · · · · · · · · · · · · · · · · · · | ·                 |                            | · · · · · · · · · · · · · · · · · · · |         |   |  |                                      | L     |                               |             |   |  |



| Project N               | lame: Miss       | ion Va                                | Mey R           | -0 C.K.               |                      |                               |        | Date                                   |               | 9     | - le -c                   | 9     |                               |   |                           |                  |
|-------------------------|------------------|---------------------------------------|-----------------|-----------------------|----------------------|-------------------------------|--------|--|---------------|-------|---------------------------|-------|-------------------------------|---|---------------------------|------------------|
| Project N               | lo EM            | 5009 C                                |                 |                       |                      |                               |        | Prepa                                  | ared E        | _     | MZ                        |       |                               |   |                           |                  |
|                         | ntification:     | · · · · · · · · · · · · · · · · · · · |                 |                       |                      |                               |        | Weat                                   | her:          | 1-4   | az ( (                    | Day   | Sc                            | reen:                                   |                           |                  |
| Measure                 | ment Point D     | scription                             | : TOC           | , Nob                 | 74                   |                               |        | Pum                                    | o Inta        | ke:   | 11 E                      | 7     | ·                             |   |                           |                  |
| Depth<br>LNAP<br>(ft-bm | L Static         | oth to<br>: Water<br>(ft-bmp)         |                 | tal Depth<br>bmp)     | Co<br>He             | ater<br>lumr<br>elght<br>(ft) | n Li   | NAPL Thick<br>(ft-bmp)                 | ness          | 1     | One (1)<br>plume (        |       | s) Volu                       | e (3)<br>sing<br>mes<br>ons)            | Above<br>Screen<br>Volume | Screen<br>Volume |
| NA                      | ره ،             | 94                                    | 15.             | 00                    | 8                    | ٥٥.                           | ,      | NA                                     |               |       | 1.20                      | 1     | 3.8                           | 37                                      |                           |                  |
| Well I                  | Diameter (in)    |                                       | Gall            | ons/Foot              |                      |                               | Fleid  | Equipment:                             | 1-40          | بحدا  | , 40°                     | سم    | Itera p                       | ump,                                    | inver                     | rer              |
| 77011 2                 | -                | 0.75                                  | 2               | 4                     | 6                    |                               | Purge  | Method:                                |               |       | TERA                      |       | •                             |   |                           |                  |
| 0.75                    | 4 6              | 0.02                                  | 0.16            | 0.65                  | 1.4                  | 7                             | Well ( | Condition:                             |               |       | 000                       | 4     |                               |   |                           |                  |
| Time                    | Casing / Screen  | Volume<br>Purged<br>(gallons)         | Flow R          | ate L                 | ater<br>evel<br>bmp) | pł-                           | 4      | remperature<br>(°C)                    | Turbio<br>(NT |       | Condu                     |       | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                             | Obs                       | ervations        |
| 736                     |                  | Ø                                     | Ø               | 2                     | A                    | 7.0                           | o5 ·   | 21.4                                   | OVE           |       | 0.2                       | 58    | 7,2                           | -125                                    | Mur                       | 248              |
| 741                     |                  | (                                     | 0.2             | 0 1                   |                      | 7.0                           | >5     | 22.0                                   | 719           |       | 0.2                       | .95   | 7.7                           | - 143                                   |                           | ordy             |
| 744                     |                  | 2                                     | 0.3             | 3                     |                      | 7.1                           | "      | 21.9                                   | 42            | 8     | 0.2                       | ۹4    | 7.5                           | - 145                                   |                           |                  |
| 948                     |                  | 3                                     | 0.2             | -5                    |                      | 7.1                           | 13     | 22.0                                   | 36            | 1     | Ø.2                       | -99   | 7.4                           | - 140                                   |                           |                  |
| 953                     |                  | Ч                                     | 0.1             | ٠ ( ص                 |                      | 7.                            | 10     | 22.1                                   | 39            | 7_    | 0.3                       | 97    | 7.6                           | - 134                                   | 3 1                       |                  |
|                         |                  |                                       |                 |                       |                      |                               |        |  |               |       |                           |       |                               |   |                           |                  |
| Purge Sta<br>Time       | Purge En<br>Time | <b>I</b>                              | ge Flow<br>Ipm) | Total Gallo<br>Purged | ns \                 | otal Ca<br>Volum<br>Purg      |        | 80%<br>Recovery<br>Water Leve<br>Depth | , a           | t San | Level<br>npling<br>t-bmp) | Colle | mple<br>ection<br>me          | San                                     | nple Identifica           | ation            |
| 936                     | 953              | 0.                                    | 24              | 4                     |                      | 3 .                           | ١      | <b>8</b> .55                           |               | 8 .   | 72                        | 95    | 57                            | N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                           |                  |
| Notes:                  | 1                | 1                                     |                 |                       |                      | ,                             |        | L                                      |               |       |                           |       |                               |   |                           |                  |





Project Name: Mission Valley Rock 9-6-06 Date: Project No.: EM 5009 C Prepared By: MJS Well Identification: HOT / DRY Weather: NW -Screen: **Measurement Point Description:** TOC NORTH Pump Intake: 20 FT Water Three (3) Depth to Depth to **Above Well Total Depth** Column LNAPL Thickness One (1) Casing Casing Screen LNAPL **Static Water** Screen (ft-bmp) Height (ft-bmp) Volume (gallons) **Volumes** Volume (ft-bmp) Level (ft-bmp) Volume (ft) (gallons) 3.54 NA 29.54 7.44 22.10 MA 10.6 Gailons/Foot Field Equipment: Hordon, walters pump, inventor Well Diameter (in) 0.75 4 6 **Purge Method:** WALTERA PUMP. (2 0.75 6 0.02 0.16 0.65 1.47 **Well Condition:** (50000. Volume Water Dissolved Flow Rate Turbidity Temperature Conductivity ORP Purged Time Casing / Screen Level pΗ Oxygen Observations (gpm) (°C) (NTU) (mV) (gallons) (ft-bmp) (mg/L)21.5 1013 0 Q NA 7.39 832 0.261 8.6 -130 MURKY 1018 3 0.60 7113 20.9 343 0.259 8.5 -137 Cloudy PECI 21.0 234 cloudy 6 0,27 7.09 0.256 Q, 6 -128 9.2 1038 9 0.33 CLEAR TO. T 70.4 112 0.258 -H43 -148 1050 12 0.25 80, F 20.4 0.258 9.4 clear 80 80% Total Casing Water Level Sample Purge Start Purge End Average Flow Total Gallons Recovery Volumes at Sampling Collection Sample Identification Time Time Water Level (gpm) Purged Purged Time (ft-bmp) Time Depth 5101 1050 12 3.4 11.86 7.82 0.32 1055 Notes:



| Project N                   | ame:       | Miss             | 101      | · Val                     | الدير لأ       | 206        | K_                        |                                 |       | Date                              | ::           | 9-    | ره - ه                    | وک    | ·                             |             |                           |                  |
|-----------------------------|------------|------------------|----------|---------------------------|----------------|------------|---------------------------|---------------------------------|-------|-----------------------------------|--------------|-------|---------------------------|-------|-------------------------------|-------------|---------------------------|------------------|
| Project N                   | o.:        | EM               | 500      | 39 C                      | <del></del>    |            |                           | ····                            |       | Prep                              | ared I       |       | MJ                        |       |                               |             |                           |                  |
| Well Iden                   |            |                  |          |                           | 2M             |            |                           |                                 |       | Wea                               | ther:        | 140   | 70                        | 24    | Sc                            | reen:       |                           |                  |
| Measuren                    | nent       | Point D          | escr     | iption:                   | TOC            | <u>, N</u> | HESOI                     |                                 |       | Pum                               | p inta       | ke:   | 11 1                      | -T    |                               |             |                           |                  |
| Depth (<br>LNAPI<br>(ft-bm) | L          | Der<br>Statio    |          | ater                      | Well T         | otal D     | • 1                       | Water<br>Colum<br>Helgh<br>(ft) | n     | LNAPL Thick<br>(ft-bmp)           |              |       | ene (1)<br>Polume (       | _     | ' 1                           | ing<br>mes  | Above<br>Screen<br>Volume | Screen<br>Volume |
| 2                           |            | 7.               | 34       | 2                         | 12             | . 20       | \                         | 4.93                            | 5     | NA                                |              |       | 0.7                       | 9     | 2.3                           | 37          | _                         |                  |
| Well D                      | lamet      | ter (in)         |          |                           | Gal            | lons/F     | oot                       |                                 | Fle   | ld Equipment                      | : 4          | 02.   | 40                        | مدر   | use p                         | · ~ 6 · ·   | Inver                     | LES .            |
|                             |            | <b></b>          |          | 0.75                      | 2              | ,7         | 4                         | 6                               | Pur   | ge Method:                        |              |       |                           |       | mp                            |             |                           |                  |
| 0.75 2                      | $\sum_{i}$ | 4 6              |          | 0.02                      | 0.16           | ·/         | 0.65                      | 1.47                            | We    | ll Condition:                     |              |       | >OD.                      |       |                               |             |                           |                  |
| Time                        | Casing     | g / Screen       | Ρι       | olume<br>urged<br>allons) | Flow I         |            | Water<br>Level<br>(ft-bmp | pl                              | Н     | Temperature<br>(°C)               | Turbi<br>(NT |       | Conduc<br>(_S/\           |       | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV) | Obs                       | ervations        |
| 1103                        |            |                  |          | 0                         | Ø              |            | NA                        | ر م)                            | 77    | 23.2                              | 27           | 7     | 0.7                       | 48    | 9.8                           | -52         | CLE                       | An               |
| 1107                        |            |                  |          | 1                         | 0.7            | LS_        |                           | ع. ي                            | 32    | 22.6                              | 29           | 2     | 0 . 2                     | 52    | 10.1                          | -77         | cle                       | An               |
| 1114                        |            |                  |          | 2                         | 0,1            | 14         |                           | 6 .8                            | 39    | 22.2                              | 30           | 9     | 0.2                       | 57    | 10:7                          | -81         | 1                         |                  |
| 1123                        |            |                  | ,        | 3                         | انه            | ( )        | $\downarrow$              | <i>ن</i> . و                    | 14    | 21.8                              | 35           | S     | 0.2                       | (e)   | 10.8                          | - 79        |                           | <u></u>          |
|                             |            |                  |          |                           |                |            |                           |                                 |       |                                   |              |       |                           |       |                               |             |                           |                  |
|                             |            |                  |          |                           |                |            |                           |                                 |       |                                   |              |       |                           |       |                               |             |                           |                  |
|                             |            |                  | <u> </u> |                           |                |            |                           |                                 |       |                                   |              |       |                           |       |                               |             |                           |                  |
| Purge Star<br>Time          | rt I       | Purge En<br>Time | d        |                           | ge Flow<br>om) |            | Gallons<br>urged          | Total C<br>Volur<br>Purg        | nes Ì | 9 Recovery<br>Water Leve<br>Depth | al a         | t San | Level<br>npling<br>t-bmp) | Colle | nple<br>ection<br>ne          | Sar         | nple Identifica           | tion             |
| 1103                        |            | 1123             |          | 0.                        | 15             | •          | 3                         | 3.9                             | છ     | 8.34                              |              | 8.    | 11                        | 112   | -5                            |             |                           |                  |
| Notes:                      |            |                  | ·        |                           |                |            |                           | <u> </u>                        |       |                                   | <b></b>      |       | . <u></u>                 |       |                               |             | Min                       |                  |



| Project N               | lame:  | Missi             | on Vo                         | Mey F           | 2004              |                            |                                   |             | Date:                     | 9-1                             | ٥- ص                | ص                   |                               |             |                           |   |
|-------------------------|--------|-------------------|-------------------------------|-----------------|-------------------|----------------------------|-----------------------------------|-------------|---------------------------|---------------------------------|---------------------|---------------------|-------------------------------|-------------|---------------------------|---|
| Project N               | lo.:   | EME               | 5009 C                        |                 |                   |                            |                                   |             | Prepared                  | By:                             | MZ                  | 5                   |                               |             |                           |   |
| Vell Ider               |        |                   | MW.                           |                 |                   |                            |                                   |             | Weather:                  | ble                             | or /                | Ory                 | Sc                            | creen:      |                           |   |
| leasure                 | ment l | Point De          | scription                     | : TOX           | 2 PO              | 274                        |                                   |             | Pump Int                  | ake:                            | •                   |                     |                               |             |                           |   |
| Depth<br>LNAP<br>(ft-bm | L      | Static            | th to<br>Water<br>(ft-bmp)    |                 | otal Der<br>-bmp) | th C                       | Water<br>column<br>Height<br>(ft) |             | Thickness<br>-bmp)        |                                 | ne (1) (<br>lume (ş | _                   | Cas                           | mes         | Above<br>Screen<br>Volume | Screen<br>Volume                        |
| NA                      |        | 7.0               | <u>ا (</u>                    | 8               | .71               | ١                          | .70                               | 7           | A                         |                                 | <i>۵</i> ٠ ۽        | .7                  | 0.9                           | 18          | Websen or                 |   |
| Well D                  | lamet  | er (in)           |                               | Gall            | ons/Foo           | t                          |                                   | Field Equip | ment: 📙                   | 0016                            | >4- ,               | مدن                 | HERA                          | pump        | , inve                    | nron                                    |
|                         | ~      |                   | 0.75                          | 2               | 4                 |                            | 6                                 | Purge Meti  | ioq: F7                   | -                               | 5 WA                | ILED                |                               | •           | •                         |   |
| 0.75 (2                 |        | 4 6               | 0.02                          | 0.16            | 0.6               | 5 1                        | .47                               | Well Condi  | tion:                     | 500                             | 0.                  |                     |                               |             |                           |   |
| Time                    | Casing | ) / Screen        | Volume<br>Purged<br>(gallons) | Flow F          | 2)                | Water<br>Level<br>(ft-bmp) | pН                                | Tempe       |                           |                                 | Conduc<br>(S/v      |                     | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV) | Obs                       | ervations                               |
| 135                     |        |                   | Ø                             | 6               |                   | NA                         | 6.5                               | 9 23.       | 9 90                      | 164<br>19                       | 0.2                 | 46                  | 9.4                           | - 150       | » m                       | iery                                    |
|                         |        |                   |                               | w               | <u> </u>          | WE                         | 72                                | ony         | US (NE                    | 5 617                           | ono                 | 460                 | .100                          |             |                           |   |
|                         |        |                   |                               |                 |                   |                            |                                   |             |                           |                                 |                     |                     |                               |             |                           |   |
|                         |        |                   |                               |                 |                   |                            |                                   |             |                           |                                 |                     |                     |                               |             |                           |   |
| Purge Sta<br>Time       | ırt F  | Purge End<br>Time |                               | ge Flow<br>Ipm) | Total Ga<br>Purge | lions                      | Total Ca<br>Volum<br>Purge        | es Wat      | 30%<br>covery<br>er Level | Water L<br>at Samp<br>Time (ft- | pling               | San<br>Colle<br>Tir | ction                         | Sa          | mple Identifica           | ition                                   |
| 1135                    |        | 1137              |                               | -               | 0.9               | 5                          | ١                                 | 7           | 35                        | 7.3                             | 5                   | 115                 | 0                             |             |                           | *************************************** |
| Notes:                  | WE     | er p              | urge                          | D ¥             | SAV               | nple                       | -co'                              | hecked      | L USIN                    | g v                             | nan                 | d k                 | sailen                        |             |                           |   |



| Project Na                    | me: Missi           | on Va                         | May 4          | 20cK                   |                               |                        | Date:                                   | 9                  | -6-0                            | <i>.</i> |                               |  |   |   |
|-------------------------------|---------------------|-------------------------------|----------------|------------------------|-------------------------------|------------------------|---|--------------------|---------------------------------|----------|-------------------------------|--|---|---|
| Project No                    | me: Missi<br>ii EMS | 2000 C                        |                |                        |                               |                        | Prepa                                   | red By:            | MJ                              |          |                               |  |   | handardyn med meddinbur yn y dy'r b mae'r bynnau yn ynwyd |
| Well Identi                   | fication:           | 1~Wr                          |                |                        |                               |                        | Weat                                    | her: ৮             | tor /0                          | Say      | Sc                            | r <del>ee</del> n:                     | *************************************** | *   |
| Measurem                      | ent Point De        | scription                     | T0             | c Noe                  | T+1                           |                        | Pump                                    | Intake:            | 15                              | PT       |                               |  |   |   |
| Depth to<br>LNAPL<br>(ft-bmp) | Static              | th to<br>Water<br>ft-bmp)     |                | otal Depth<br>t-bmp)   | Wate<br>Colur<br>Helg<br>(ft) | nn l<br>ht             | .NAPL Thicki<br>(ft-bmp)                | l l                | One (1)<br>/olume (             | _        |                               | ing<br>mes                             | Above<br>Screen<br>Volume               | Screen<br>Volume  |
| NA                            | نه ۱۰               | 3                             | ١٦. ٣          | 78                     | 11.6                          | 5                      | NA                                      |                    | 1.8                             | ,6       | 5.5                           | 59                                     | •                                       | _   |
| Well Dia                      | meter (in)          |                               | Gal            | lons/Foot              |                               | Fleic                  | f Equipment:                            | 1400               | . 401                           | المدن    | TERA NO                       | . aw                                   | nvente                                  | ·Q_   |
|                               |                     | 0.75                          | (2)            | 4                      | 6                             | Purg                   | e Method:                               |                    |                                 |          | p                             |  |   |   |
| 0.75 (2)                      | 4 6                 | 0,02                          | 0.16           | 0.65                   | 1.47                          | Well                   | Condition:                              | ومن                |                                 |          |                               |  |   |   |
| Time                          | Casing / Screen     | Volume<br>Purged<br>(gallons) | Flow f<br>(gpr | Rate                   |                               | рН                     | Temperature (°C)                        | Turbidity<br>(NTU) | Condu                           |          | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                            | Obs                                     | ervations   |
| 1212                          |                     | 0                             | Ø              | د ک                    | A 7                           | .05                    | 23.3                                    | 721                | 0.37                            | 24       | 10.5                          | -136                                   | MU                                      | 2 Ky  |
| 1218                          |                     | <u>a</u>                      | 0.3            | 33                     | 7                             | .04                    | 22.9                                    | 591                | 0.3                             | 29       | 11.2                          | -131                                   | clo                                     | udy   |
| 1224                          |                     | 4                             | 0.3            | 33                     | ד                             | .04                    | 21.7                                    | 477                | 03                              | 28       | 11.3                          | - 127                                  | 1                                       |   |
| 1232                          |                     | 9                             | 0.7            | 33 (                   | 7                             | ,05                    | 21.2                                    | 471                | 0.3                             | 326      | 11.4                          | -129                                   |   | <u> </u>  |
|                               |                     |                               |                |                        |                               |                        |   |                    |                                 |          |                               |  |   |   |
| Purge Start<br>Time           | Purge End<br>Time   | , ,                           | ge Flow<br>pm) | Total Gallon<br>Purged | s Volu                        | Casing<br>umes<br>rged | 80%<br>Recovery<br>Water Level<br>Depth | at Sa              | er Level<br>empling<br>(ft-bmp) |          | nple<br>ction<br>ne           | San                                    | nple Identifica                         | tion  |
| 1212                          | 1232                | ٥.                            | 33             | 6                      | 3                             | . 2                    | 8.46                                    | 6.                 | 52                              | 123      | ,5                            | ······································ |   |   |
| Notes:                        | 1                   |                               | 1              |                        |                               | ·-·                    | <u> </u>                                |                    |                                 |          |                               |  |   |   |



|                         |          | Missi                                 | on Ua                         | Mey 1          | 200             | <u> </u>                   |                                   |        | Date                                   | -<br>         | 9-6                                     |  |                               |                                |   |                                       |
|-------------------------|----------|---------------------------------------|-------------------------------|----------------|-----------------|----------------------------|-----------------------------------|--------|--|---------------|---|--|-------------------------------|--------------------------------|---|---------------------------------------|
| Project N               | lo.:     | EMS                                   | 009 C                         |                |                 |                            |                                   |        |  | ared E        | ly: M                                   | <u> 2                                   </u> |                               |                                |   |                                       |
| Nell Ider               |          |                                       | <u> - ww</u>                  |                |                 |                            |                                   |        | Weat                                   |               | *************************************** | 1000   | <b>S</b> (                    | creen:                         |   |                                       |
| Measure                 | ment     | Point De                              | scription                     | TC             | ې کې            | Doen                       | 4                                 |        | Pum                                    | p Intal       | ke: \(                                  | ) FT   |                               |                                |   |                                       |
| Depth<br>LNAP<br>(ft-bm | L        | Dept<br>Static<br>Level (1            | Water                         | Well T         | otal D<br>-bmp) | •                          | Water<br>Column<br>Height<br>(ft) | LN     | APL Thick<br>(ft-bmp)                  |               | •                                       | i) Casin<br>(gallon                          | g Cas<br>s) Volu              | e (3)<br>sing<br>imes<br>lons) | Above<br>Screen<br>Volume               | Screen<br>Volume                      |
| NA                      |          | 10.0                                  | 40                            | 19             | 70              | (                          | 7.30                              |        | NA                                     |               | 1,0                                     | 49   | ч.ч                           | 46                             | *************************************** | •                                     |
| Well D                  | lamet    | er (in)                               |                               | Gal            | lons/F          | oot                        | F                                 | leid E | quipment:                              | 1-40          | adioc                                   | , WA   | HERA                          | DUMD                           | , inver                                 | roc                                   |
|                         |          | · · · · · · · · · · · · · · · · · · · | 0.75                          | 2              | `\_             | 4                          | 6 <b>F</b>                        | urge   | Method:                                |               | Alter                                   | ,  |                               | ` ` `                          |   |                                       |
| 0.75 ( 2                |          | 4 6                                   | 0.02                          | 0.16           |                 | 0.65                       | 1.47 V                            | Vell C | ondition:                              | (             | road                                    | ,  | ·                             | .,                             | <del></del>                             |                                       |
| Time                    | Casing   | ı / Screen                            | Volume<br>Purged<br>(gallons) | Flow i         |                 | Water<br>Level<br>(ft-bmp) | pH                                | Те     | mperature<br>(°C)                      | Turbio<br>(NT |   | ductivity                                    | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                    | Obs                                     | ervations                             |
| 1259                    |          |                                       | 0                             | Ø              | <u> </u>        | NA                         | 7.20                              | > 2    | .2.3                                   | 99            | a o                                     | 190  | 11.11                         | -92                            | · w                                     | ery                                   |
| 1305                    |          |                                       | 2                             | 0.7            | 33              |                            | 7.0                               | ا ب    | ৭.৪                                    |               | 0                                       | . 193  | 12.3                          | -51                            |   |                                       |
| 310                     | <u> </u> |                                       | 4                             | 0.0            | 40              |                            | 6.9                               | 7 1    | 19.5                                   |               | 0                                       | .192   | 12.3                          | -13                            |   |                                       |
| 1316                    |          |                                       | 9                             | 0.5            | 33              | <u> </u>                   | ۹. ها                             | 3      | 19.3                                   | <u> </u>      | 0                                       | . 193  | 12.4                          | -3                             | 1                                       | <i></i>                               |
|                         |          |                                       |                               |                |                 |                            |                                   |        |  |               |   |  |                               |                                |   |                                       |
| Purge Sta<br>Time       | nrt I    | Purge End<br>Time                     |                               | ge Flow<br>pm) |                 | Gallons                    | Total Cas<br>Volume<br>Purge      | s      | 80%<br>Recovery<br>Water Leve<br>Depth | , ∣ a         | /ater Level<br>t Sampling<br>me (ft-bmp | Coll   | mple<br>ection<br>me          | Sa                             | mple Identifica                         | ition                                 |
| 1259                    |          | 1316                                  | 0.                            | 35             | (               | 2                          | 4.0                               | >      | 12.20                                  |               | 10.80                                   | 13   | 20                            |                                |   |                                       |
| Notes:                  |          |                                       |                               |                |                 | <u> </u>                   |                                   |        |  |               |   |  |                               | ·                              | <del></del>                             | · · · · · · · · · · · · · · · · · · · |





| Project N                   |              | Miss              | ion Uc                        | alley R          | -ock                    |                                |                        | Date                                   | e: 0            | 1-le-1                                | 060                        |                               |                     |                           |                  |
|-----------------------------|--------------|-------------------|-------------------------------|------------------|-------------------------|--------------------------------|------------------------|--|-----------------|---------------------------------------|----------------------------|-------------------------------|---------------------|---------------------------|------------------|
| Project N                   |              | EMS               | 5009 C                        |                  |                         |                                |                        | Pre                                    | pared By        | ly: Mo                                | 2 S                        | -                             |                     |                           |                  |
| Well Iden                   |              |                   | MW~                           |                  |                         |                                |                        | Wea                                    | ather:          | HOT !                                 | ldey                       | Sc                            | cr <del>ee</del> n: |                           |                  |
| Measurer                    | nent         | Point De          | escription                    | # TO             | C Nov                   | eth                            |                        | Pun                                    | np Intak        | ke: いん                                | AC                         |                               |                     |                           |                  |
| Depth t<br>LNAPL<br>(ft-bm) | 'L           | Static            | oth to<br>C Water<br>(ft-bmp) |                  | otal Depth<br>bmp)      | Wate<br>Colum<br>Heigh<br>(ft) | nn L<br>ht             | LNAPL Thick<br>(ft-bmp)                |                 |                                       | i) Casing<br>(gallons)     | 1                             | ing<br>mes          | Above<br>Screen<br>Volume | Screen<br>Volume |
| NA                          |              | 10.               | 51                            | 11.0             | <u>۲</u> ۷              | 0.53                           | 3                      | NA                                     |                 | 0.0                                   | 8                          | 0.9                           | 15                  |                           |                  |
| Well D                      | ilame        | eter (in)         |                               | Gallo            | ons/Foot                |                                | Field                  | d Equipment                            | ii H            | Adress                                | LIDA                       | Alrega                        | DUM                 | 40 . 10                   | vernor           |
|                             | / <b>***</b> | 16. (,            | 0.75                          | 2                | 4                       | 6                              | Purg                   | je Method:                             |                 | AD OA                                 |                            | ~ · · · · · ·                 | +                   | 4                         | SCIENCE          |
| 0.75 2                      | 2            | 4 6               | 0.02                          | 0.16             | 0.65                    | 1.47                           | Well                   | Condition:                             |                 | ood                                   |                            |                               |                     |                           |                  |
| Time                        | Casin        | ng / Screen       | Volume<br>Purged<br>(gallons) | Flow Ra<br>(gpm) |                         | vel p                          | рН                     | Temperature<br>(°C)                    | Turbidi<br>(NTU | lity Cond                             | ductivity                  | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)         | Obr                       | servations       |
| 1330                        | ļ            |                   | Ø                             | NA               | NA                      | : 6.                           | .93                    | 22.0                                   | OVE             | R 0.7                                 | 259 1                      | 11.00                         | 67                  | MUDI                      | net.             |
|                             | -            |                   | NE                            | LL WE            | ENT DI                  | RY                             |                        |  |                 |                                       |                            |                               |                     |                           | 22               |
|                             |              |                   |                               |                  |                         |                                |                        |  |                 |                                       |                            |                               |                     |                           |                  |
|                             |              |                   |                               |                  |                         |                                |                        |  | <del> </del>    |                                       |                            |                               |                     |                           |                  |
|                             | -            |                   |                               |                  |                         |                                |                        |  |                 |                                       |                            |                               |                     |                           |                  |
| Purge Star<br>Time          | rt i         | Purge End<br>Time | •                             | age Flow T       | Total Gallons<br>Purged | S Volu                         | Casing<br>umes<br>rged | 80%<br>Recovery<br>Water Leve<br>Depth | at :            | ater Level<br>Sampling<br>ne (ft-bmp) | Samp<br>Collect<br>** Time | rtion                         | Sa                  | ample Identifica          | ation            |
| 1330                        | ,            |                   | _                             |                  | 0.25                    | 3.                             | 0                      | 10.62                                  | 2 11            | 0.51                                  | 16:0                       | 22                            |                     |                           |                  |
|                             |              |                   |                               |                  |                         |                                |                        | t RECO                                 |                 |                                       | a 4/-                      | 17/06                         |                     |                           |                  |



| Project Na                   | me: Miss          | ion Ua                        | Mey R          | -OCK                   |                            |                          | Date                    | <b>:</b>       | on -                        | ۔ ب      | 05               |   |                                       |  |  |
|------------------------------|-------------------|-------------------------------|----------------|------------------------|----------------------------|--------------------------|-------------------------|----------------|-----------------------------|----------|------------------|---|---------------------------------------|--|--|
| Project No                   | " EM              | 5009 C                        | )              |                        |                            |                          | Prep                    | ared B         | у:                          | MJ       | 5                | - <del>(                                   </del> | · · · · · · · · · · · · · · · · · · · | The second secon | ······································ |
| Well Ident                   | <del></del>       |                               | 12 LF          |                        |                            |                          | Weat                    | heri           | 14                          | 24       | DRI              | √ <b>8</b>  | creen:                                |  |  |
| Measurem                     | ent Point De      | scription                     | 700            | 2 100                  | ME                         |                          | Pum                     | p Intal        | (e: ;                       | 25       | FT               | 0   |                                       |  |  |
| Depth to<br>LNAPL<br>(ft-bmp | Static            | th to<br>Water<br>(ft-bmp)    |                | tal Depth<br>bmp)      | Wat<br>Colu<br>Helg<br>(ft | mn<br>ght                | LNAPL Trick<br>(ft-bmp) | ness           |                             |          | Casin;<br>gallon | g Car<br>s) Vok                                   | e (3)<br>sing<br>umes<br>lons)        | Above<br>Screen<br>Volume  | Screen<br>Volume                       |
| NA                           | 10.               | 69                            | 39             | ,50                    | 28.                        | 18                       | NA                      |                | L                           | 1.6      | l                | 13  | 83                                    |  |  |
| Well Dis                     | imeter (in)       |                               | Gall           | ons/Foot               |                            | F                        | leid Equipment          | 140            | ماريخ                       | λ.       | 11)4             | HODA N  |                                       | invers   | ر ۱۲                                   |
|                              |                   | 0.75                          | 2              | 4                      | 6                          | P                        | urge Method:            |                |                             | •        | pun              | -   | - CA                                  |  |  |
| 0.75 (2                      | ) 4 6             | 0.02                          | 0.16           | 0.65                   | 1.47                       | W                        | /ell Condition:         |                | <del>,0</del> 0             |          |                  |   |                                       |  |  |
| Time                         | Casing / Screen   | Volume<br>Purged<br>(gallons) | Flow R<br>(gpm | ate Le                 | ater<br>vel<br>omp)        | рН                       | Temperature<br>(°C)     | Turbio<br>(NTL |                             | Condu    |                  | Dissolved<br>Oxygen<br>(mg/L)                     | ORP<br>(mV)                           | Obs  | ervations                              |
| 1341                         | ,                 | 0                             | Ø              |                        | )A 7                       | 80,                      | 19.5                    | ONE            | e                           | 0.10     | 40               | 12.41   | -16                                   |  |  |
| 1349                         |                   | 5                             | 0.6            | 3 1                    | 7                          | ,05                      | 18.7                    | 69             | ادم                         | 0.19     | 59               | 12.89   | -24                                   |  |  |
| 1358                         |                   | 10                            | 0.5            | 0                      | 7                          | 03،                      | 18.4                    | 58             | 7 6                         | 0.1      | 57               | 12.79   | -41                                   |  |  |
| 1408                         |                   | 15                            | 0.5            | 0 (                    | v 7                        | ,01                      | 18.6                    | 49             | 9                           | 1.0      | 55               | 12.81   | - 38                                  |  |  |
|                              |                   |                               |                |                        |                            |                          |                         |                |                             |          |                  |   |                                       |  |  |
|                              |                   |                               |                |                        |                            |                          |                         |                |                             |          |                  |   |                                       |  |  |
| Purge Start<br>Time          | Purge End<br>Time |                               | ge Flow<br>pm) | Total Gallor<br>Purged | Vo                         | l Casi<br>lume:<br>.rged | s Recovery              | at             | ater Le<br>Samp<br>ne (ft-t | oling    | Colle            | nple<br>ection<br>me                              | Sar                                   | nple Identifica  | ation                                  |
| 1751                         | 1408              | 0.5                           | 5              | 15                     | .5                         | 3.3                      | و ١٠ ما ١               | 5 1            | 0.8                         | 38       | 141              | 0   | · · · · · · · · · · · · · · · · · · · |  |  |
| Notes:                       |                   |                               |                |                        |                            |                          |                         | ·              |                             | <u>-</u> | ·                |   |                                       |  |  |



| Project Nan                   | ne: Missi         | on Ua                         | lley R          | -0 c.K.                             |                                 |         | Date:                                  |                | 7-6-01                                 |          |                               |                              |                           |                  |
|-------------------------------|-------------------|-------------------------------|-----------------|-------------------------------------|---------------------------------|---------|--|----------------|--|----------|-------------------------------|------------------------------|---------------------------|------------------|
| Project No.:                  | EME               | 009 C                         | <u> </u>        |                                     |                                 |         | Prepa                                  | ared B         |  |          |                               |                              |                           |                  |
| Veil Identif                  |                   | <u> </u>                      |                 |                                     |                                 |         | Weat                                   |                | HOT/1                                  |          | Sc                            | reen:                        |                           |                  |
| Measureme                     | nt Point De       | scription                     | TOC             | MORTH                               |                                 |         | Pum                                    | Intak          | re: 12                                 | A        |                               |                              |                           |                  |
| Depth to<br>LNAPL<br>(ft-bmp) | Static            | th to<br>Water<br>ft-bmp)     |                 | tal Depth<br>bmp)                   | Water<br>Colum<br>Helgh<br>(ft) | n LN    | APL Thick<br>(ft-bmp)                  | ness           | One (1)<br>Volume (                    | •        | s) Volu                       | e (3)<br>sing<br>mes<br>ons) | Above<br>Screen<br>Volume | Screen<br>Volume |
| NA                            | 7.0               | 09                            | 9.              | 43                                  | 1.89                            |         | NA                                     |                | 6.0                                    | 0        | 0.0                           | 71                           |                           |                  |
| Well Dia                      | meter (in)        |                               | Gall            | ons/Foot                            |                                 | Field E | qu!pment:                              | 14             | secon                                  | حي ,     | Altera                        | pump                         | Inver                     | NOR              |
|                               |                   | 0.75                          | 2               | 4                                   | 6                               | Purge   | Method:                                |                | ano b                                  | <i>'</i> |                               | `                            |                           |                  |
| 0.75 (2)                      | 4 6               | 0.02                          | 0.16            | 0.65                                | 1.47                            | Well C  | ondition:                              | (              | 5000                                   |          |                               |                              |                           |                  |
| Time                          | asing / Screen    | Volume<br>Purged<br>(gallons) | Flow R<br>(gpm  | 1 101                               | el p                            | н       | emperature<br>(°C)                     | Turbid<br>(NTC |  | ctivity  | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                  | Obs                       | ervations        |
| 1442                          |                   | 0                             | AU              | NA                                  | ۶. ما                           | 36 7    | 24.0                                   | ove            | Q 0.7                                  | 14       | 11.7                          | -152                         | - 10                      | ery              |
| 1443                          |                   | 0.3                           |                 |                                     | ٠.٩                             |         | 23.6                                   |                |  | ७८       | U.7                           | - 144                        | 1                         |                  |
| 1444                          |                   | 0.66                          |                 |                                     | . پي                            |         | 22.9                                   |                |  | 98       | 11.6                          | -141                         |                           |                  |
| 1445                          |                   | 1.0                           |                 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | ٠ (ي ٠                          | 93      | 22.3                                   | <u> 1</u>      | 0.                                     | 197      | 11.7                          | -139                         | 3                         | <u>y</u>         |
|                               |                   |                               |                 |                                     |                                 |         |  |                |  |          |                               |                              |                           |                  |
| Purge Start<br>Time           | Purge End<br>Time |                               | ge Flow<br>Ipm) | Total Gallons<br>Purged             | Total C<br>Volu<br>Pur          | mes     | 80%<br>Recovery<br>Water Leve<br>Depth | , at           | /ater Level<br>Sampling<br>ne (ft-bmp) | Coll     | mple<br>ection<br>ime         | Sa                           | mple Identifica           | ition            |
| 1442                          | 1445              | 0                             | .33             | 1.0                                 | 3                               | 3       | 7.92                                   | •              | 7.78                                   | 15       | 000                           |                              |                           |                  |
|                               | neiple<br>neceb   |                               |                 |                                     |                                 | sing    | ona, v                                 | - ba           | nlen                                   |          |                               |                              |                           |                  |



| roject N                    | ame: Miss          | <u>ion Uo</u>                 | elley F        | 20cK                 |                                 |             | Date:                            | ···               | 7-6-0                  |       |                               |             |                           |                  |
|-----------------------------|--------------------|-------------------------------|----------------|----------------------|---------------------------------|-------------|----------------------------------|-------------------|------------------------|-------|-------------------------------|-------------|---------------------------|------------------|
| Project N                   | OI EM              | 5009 C                        |                |                      |                                 |             |                                  | ared By           |                        |       |                               |             |                           |                  |
|                             | tification:        |                               | <u>- 11d</u>   |                      |                                 |             | Weat                             |                   |                        | ٥٥٤   | Sc                            | reen:       |                           |                  |
| Measuren                    | nent Point D       | escription                    | : To           | c Noc                | 741                             | <del></del> | Pum                              | Intak             | e: 16                  | FT    |                               |             |                           |                  |
| Depth t<br>LNAPL<br>(ft-bmp | - Stati            | oth to<br>C Water<br>(ft-bmp) |                | otal Depth<br>-bmp)  | Water<br>Colum<br>Helgh<br>(ft) | n Ll        | NAPL Thick<br>(ft-bmp)           | ness              | One (1)<br>Volume (    | _     |                               | ing<br>mes  | Above<br>Screen<br>Volume | Screer<br>Volume |
| NA                          | 8.                 | 50                            | 20             | .50                  | 12.0                            |             | NA                               |                   | ١,٩                    | 2     | 5.7                           | ره          |                           |                  |
| Well Di                     | ameter (in)        |                               | Gall           | ons/Foot             |                                 | Fleid       | Equipment:                       | 170               | eiba                   | س ،   | Alter                         | > 000       | ~P.101                    | renten           |
|                             | (III)              | 0.75                          | 2              | 4                    | 6                               | Purge       | Method:                          |                   |                        |       | gump                          |             |                           |                  |
| 0.75 2                      | ) 4 6              | 0.02                          | 0.16           | 0.65                 | 1.47                            | Well (      | Condition:                       |                   | rood                   |       | ` ` `                         |             |                           |                  |
| Time                        | Casing / Screen    | Volume<br>Purged<br>(gallons) | Flow F         | 1 10                 | ∕el pl                          | 4 T         | emperature<br>(°C)               | Turbidit<br>(NTU) |                        |       | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV) | Obs                       | ervations        |
| 1514                        |                    | 0                             | Ø              |                      | A 7.0                           | مح          | 22.1                             | 999               |                        | 84    | 11.11                         | -128        | > no                      | erry             |
| 521                         |                    | 2                             | 0.7            | 19                   | ٠. ي                            |             | 21.3                             |                   | 0.11                   | 82    | 11.9                          | -125        | 5 \                       |                  |
| 1530                        |                    | Ч                             | 0.7            | 22                   | ب ی                             | 89          | 20.9                             |                   | 0.                     | 184   | 11.9                          | -117        |                           |                  |
| 1538                        |                    | و                             | 0.             | 25 1                 | <u> </u>                        | 34          | 20.7                             | 7                 | 0.1                    | 81    | 11.9                          | -122        | _                         | /                |
|                             |                    |                               |                |                      |                                 |             |                                  |                   |                        |       |                               |             |                           |                  |
|                             |                    |                               |                |                      | Total C                         | osina       | 80%                              | ١٨/٥              | iter Level             | S     | nple                          |             |                           |                  |
| Purge Start<br>Time         | t Purge En<br>Time | ;                             | ge Flow<br>pm) | Total Gallons Purged | Volum                           | nes         | Recovery<br>Water Level<br>Depth | at 8              | Sampling<br>e (ft-bmp) | Colle | ection<br>ne                  | Sar         | nple Identifica           | tion             |
| 1514                        | 153                | 8 0                           | .25            | 6                    | 3、                              | ١           | 10.90                            | , 0               | 1.26                   | 15    | 40                            |             |                           |                  |
| Notes:                      |                    |                               |                |                      |                                 |             |                                  | <del></del>       |                        |       |                               |             |                           |                  |



| Project Na                   | me: Miss   | non Va                        | Mey 1          | 200                                    | K                         |                                  |          | Date:                                   |              | 9 -                        | 6-0              | 4     |                               |                               | -                         |                  |
|------------------------------|--|-------------------------------|----------------|--|---------------------------|----------------------------------|----------|---|--------------|----------------------------|------------------|-------|-------------------------------|-------------------------------|---------------------------|------------------|
| Project No                   | .: EM  | 5009 C                        |                |  |                           |                                  |          | Prepa                                   | ared I       | 3у:                        | MZ               | S     |                               |                               |                           |                  |
| Well Ident                   | ification:   | MW-                           | ILLE           |  |                           |                                  |          | Weat                                    | her:         | TC+1                       | 100              | ex    | \$6                           | creen:                        |                           |                  |
| Measurem                     | ent Point D  | escription                    | : TC           | oc t                                   | 2000                      | *                                |          | Pum                                     | Inta         | ke:                        | <b>25</b>        | FT    |                               |                               |                           |                  |
| Depth to<br>LNAPL<br>(ft-bmp | Stati  | pth to<br>c Water<br>(ft-bmp) | Weil T<br>(f   | otal D<br>t-bmp)                       | •                         | Water<br>Colum<br>Height<br>(ft) | n L      | NAPL Thick<br>(ft-bmp)                  | ness         | 1                          | ne (1)<br>dume ( | -     | g Cas<br>s) Volu              | e (3)<br>sing<br>imes<br>ons) | Above<br>Screen<br>Volume | Screen<br>Volume |
| NA                           | フ・   | 84                            | .30            | 1.41                                   |                           | 31.57                            |          | NA                                      |              |                            | 5.0              | 5     | 15.                           | 15                            |                           | 7                |
| Well Dia                     | ameter (in)  |                               | Gal            | lons/F                                 | oot                       |                                  | Field    | Equipment:                              | 1-           | 100                        | ACL              | , w   | autera o                      | ump.                          | INVERTE                   | e                |
|                              |  | 0.75                          | 2              |  | 4                         | 6                                | Purg     | e Method:                               | ١            | NAI                        | HERA             |       |                               | 1                             |                           |                  |
| 0.75 (2                      | ) 4 (  | 0.02                          | 0.16           | 5/                                     | 0.65                      | 1.47                             | Well     | Condition:                              |              |                            | ood              |       |                               |                               |                           |                  |
| Time                         | Casing / Screen  | Volume<br>Purged<br>(gallons) | Flow (gp       |  | Water<br>Level<br>(ft-bmp | p+                               | 1        | Temperature<br>(°C)                     | Turbi<br>(NT |                            | Condu            |       | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                   | Obs                       | ervations        |
| 1554                         |  | 0                             | ø              |  | NA                        | 7.1                              | 2        | 23.7                                    | 8/8          | a<br>g                     | 0.13             | 56    | 11.9                          | -142                          | Nu                        | exy              |
| 1602                         |  | 4                             | 0.             | <u>50</u>                              |                           | 7.                               | 18       | 21.4                                    |              |                            | 0.13             | 53    | 11.9                          | -140                          |                           |                  |
| 1613                         |  | 8                             | <u>ن</u> و     | 36<br>                                 |                           | 7.2                              | 22       | 20.7                                    |              |                            | 0.6              | 51    | 12.2                          | -137                          |                           |                  |
| 1621                         |  | 12                            | 0.0            | 50                                     |                           | 7.2                              | 24       | 20.6                                    |              |                            | 0.1              | 48    | 12.3                          | -136                          |                           |                  |
| 1630                         |  | 10                            | 0.1            | 44                                     | 1                         | 7-2                              | حال      | 20.6                                    | <u> 1</u>    | ·                          | 0.1              | 45    | 12.3                          | -134                          |                           | V                |
|                              | of the state of th |                               |                | ······································ |                           |                                  |          |   |              |                            |                  |       |                               |                               |                           |                  |
| Purge Start<br>Time          | Purge Er<br>Time   | 1                             | ge Flow<br>pm) |  | Gallons<br>irged          | Total C<br>Volun<br>Purg         | nes      | 80%<br>Recovery<br>Water Level<br>Depth | a            | Vater I<br>t Sam<br>me (ft |                  | Colle | nple<br>ection<br>me          | Sar                           | nple Identifica           | ition            |
| 1554                         | 1630   | 0.                            | 44             | 1 (                                    | وا                        | 3.2                              | <u>)</u> | 14.15                                   |              |                            | ,                | الها  | 40                            |                               |                           |                  |
| Notes:                       | <u>l</u>   |                               |                |  |                           |                                  |          |   |              |                            |                  |       |                               |                               |                           |                  |





| Project N               | lame:                                  | Missi                      | on Va   | lley           | R.0.           | cK.                    |                                |                      | Date                                     | *    |                            | 0                  | 1-7-           | -06                           |                              |                           |                  |
|-------------------------|--|----------------------------|---|----------------|----------------|------------------------|--------------------------------|----------------------|--|------|----------------------------|--------------------|----------------|-------------------------------|------------------------------|---------------------------|------------------|
| Project N               | lo.:                                   | EMS                        | 009 C   | _              | ·              |                        |                                |                      | Prep                                     | are  | d By:                      | MJ                 | <u> </u>       |                               |                              |                           |                  |
| Well Iden               | ıtificat                               | lon:                       | WW-   | 95             |                | -                      |                                |                      | Wea                                      |      |                            | οτ / C             |                | <b>S</b> 6                    | reen:                        |                           |                  |
| Measure                 | ment F                                 | oint De                    | scription   | · TO           | ر ن            | PORT                   | W                              |                      | Pum                                      | p in | rtake:                     |                    | FTO            |                               |                              |                           |                  |
| Depth<br>LNAP<br>(ft-bm | L                                      | Dept<br>Static<br>Level (1 | Water   |                | Гotal<br>it-bm | Depth<br>p)            | Wate<br>Colum<br>Helgi<br>(ft) | nn<br>ht             | LNAPL Thick<br>(ft-bmp)                  |      | -   '                      | One (1)<br>olume ( | Casin          | g Car<br>(s) Volu             | e (3)<br>sing<br>mes<br>ons) | Above<br>Screen<br>Volume | Screen<br>Volume |
| NA                      |  | 5.9                        | 2   | 12             | . 20           | )                      | io.29                          | පි                   | NA                                       |      |                            | 1.01               | <b>S</b>       | 3.0                           | 00                           |                           |                  |
| Well D                  | iamet                                  | er (in)                    |   | Ga             | llons          | Foot                   |                                | Fie                  | old Equipment                            | ٠ /٠ | toru                       | OA.                | يم دب          | HERA                          | 0200                         |                           | easen            |
|                         |  | ` ,                        | 0.75  | / 2            | ')             | 4                      | 6                              | Pu                   | rge Method:                              |      |                            |                    |                |                               | 7                            |                           |                  |
| 0.75 2                  | ) 4                                    | 6                          | 0.02  | 0.16           | 5/             | 0.65                   | 1.47                           | W                    | ll Condition:                            |      |                            | od                 | <del>- V</del> | ump.                          |                              | ·                         |                  |
| Time                    | Casing                                 | / Screen                   | Volume<br>Purged<br>(gallons)                       | Flow<br>(gp    |                | Wate<br>Leve<br>(ft-bm | el p                           | ЭН                   | Temperature (°C)                         |      | rbidity<br>NTU)            | Condu              |                | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                  | Obs                       | ervations        |
| 928                     |  |                            | 0   | Ø              | <b>.</b>       | NA                     | 7.                             | 27                   | 20.6                                     | 01   | JER                        | 0.3                | <u>5</u> 6     | 9.56                          | -(8                          | MUR                       | <u>.</u>         |
| 937                     |  |                            |   | 0.             | H              | 1                      | 7.                             | 05                   | 21.0                                     | 0    | 199                        | 0.3                | 73             | 9.55                          | -27                          | ,                         | )                |
| 945                     |  |                            | 2   | 0.1            | 3              |                        | 9                              | .89                  | 21.0                                     | :    |                            | 0.4                | 147            | 9.61                          | -44                          |                           |                  |
| 951                     |  |                            | 3   | <u>ن</u> ، ن   | 7              | V                      | <u>نو:</u>                     | 95                   | 21.1                                     | ,    |                            | 0.4                |                | 9,90                          | -73                          | +                         |                  |
|                         |  |                            |   |                |                |                        |                                |                      |  |      |                            |                    |                |                               |                              |                           |                  |
|                         |  |                            |   |                |                |                        |                                |                      |  |      |                            |                    |                |                               |                              |                           |                  |
| Purge Star<br>Time      | rt P                                   | urge End<br>Time           |   | ge Flow<br>om) |                | al Gallons<br>Purged   |                                | Casin<br>Imes<br>ged | g 80%<br>Recovery<br>Water Leve<br>Depth |      | Water<br>at San<br>Time (f | npling             | Colle          | mple<br>ection<br>me          | Sam                          | ple Identifica            | ition            |
| 928                     |  | 951                        | 0.  | 13             |                | 3.0                    | 3                              | 0.                   | 7.18                                     |      | 635                        | 5                  | 100            | 0                             |                              |                           |                  |
| Notes:                  | ······································ |                            | <del>-  -  -  -  -  -  -  -  -  -  -  -  -  -</del> |                |                |                        |                                |                      |  |      |                            |                    |                |                               |                              |                           |                  |



| Project Na                   | ame:       | M        | 15510       | on Ua                         | Mey 1          | 20                        | دلا                    |                                |       | Date                                   | ×           |                            |       | 9-                                    | 1-06                          |              |                           |                  |
|------------------------------|------------|----------|-------------|-------------------------------|----------------|---------------------------|------------------------|--------------------------------|-------|--|-------------|----------------------------|-------|---------------------------------------|-------------------------------|--------------|---------------------------|------------------|
| Project No                   | <b>).:</b> | E        | M5          | 009 C                         | -              |                           |                        |                                |       | Prep                                   | ared        | By:                        | MJ    | · · · · · · · · · · · · · · · · · · · |                               |              | /////                     |                  |
| Weii Ident                   |            |          |             | - WM                          |                |                           |                        |                                |       | Wea                                    | ther:       | ₽ <b>\</b>                 | st /  | Dres                                  | Sc                            | creen:       |                           |                  |
| Measurem                     | ent        | Poin     | t Des       | cription                      | - 70           | اص                        | 200                    | <del>764</del>                 |       | Pum                                    | p inta      |                            | 18    |                                       |                               |              |                           |                  |
| Depth to<br>LNAPL<br>(ft-bmp |            | St       |             | h to<br>Water<br>t-bmp)       | Well T<br>(fi  | otai<br>t-bm <sub>i</sub> | •                      | Wate<br>Colum<br>Heigh<br>(ft) | n I   | LNAPL Thici<br>(ft-bmp                 |             | 1                          | • • • | Casin<br>(gallon                      | g Cas<br>s) Volu              | sing<br>Imes | Above<br>Screen<br>/olume | Screen<br>Volume |
| NA                           |            | 3        | 7.1         | 2                             | 24             | . 2                       | 8                      | 17.14                          | 0     | NA                                     |             | 4                          | 2.7   | 5                                     | 8,2                           | .4           |                           |                  |
| Weii Dia                     | amei       | er (i    | in)         |                               | Gai            | ions/                     | Foot                   |                                | Field | d Equipment                            | . ,,        | 170°                       | loo.  | مدین                                  | ILERA                         | Duma.        | 1111                      | TED              |
|                              |            | (.       | ,           | 0.75                          | 2              |                           | 4                      | 6                              | Purg  | je Method:                             |             |                            |       |                                       |                               | 1            |                           |                  |
| 0.75 (2)                     | )          | 4        | 6           | 0.02                          | 0.16           |                           | 0.65                   | 1.47                           | Well  | Condition:                             |             |                            | ood   |                                       | nwb                           |              |                           |                  |
| Time                         | Casing     | ) / Scre | een         | Volume<br>Purged<br>(gallons) | Flow i         |                           | Wate<br>Leve<br>(ft-br | el p                           | ьН    | Temperature<br>(°C)                    | Turb<br>(NT | idity                      | Condu | ıctivity                              | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)  | Obs                       | ervations        |
| 1012                         |            |          |             | ٥                             | Ø              |                           | NA                     | 7.                             | 03    | 22.0                                   | ONE         | R                          | 0.2   | 61                                    | 10.61                         | -167         | clou                      | dy               |
| 1032                         |            |          |             | 3                             | 0.3            | 30                        | 1                      | 7.                             | 01    | 19.6                                   | 1           | 151                        | 0.2   | 78                                    | 11.21                         | -151         | 1                         | <del></del>      |
| 1031                         |            |          |             | 4                             | 0.3            | 33                        |                        | ٦.،                            | 01    | 19.60                                  |             |                            | 0.2   | 82                                    | 11.74                         | my-142       |                           |                  |
| 1040                         |            |          |             | 9                             | 0.             | 33                        | 1                      | . 7٠                           | 01    | 19.6                                   | ↓ ↓         |                            |       |                                       |                               | -140         |                           |                  |
|                              |            |          |             |                               |                |                           |                        |                                |       |  |             |                            | ····  |                                       |                               |              |                           |                  |
|                              |            |          |             |                               |                |                           |                        |                                |       |  |             |                            |       |                                       | <del></del>                   |              |                           |                  |
| Purge Start<br>Time          |            | _        | e End<br>me |                               | ge Flow<br>pm) |                           | al Gallons<br>Purged   | Total (<br>Volu<br>Pur         | ımes  | 80%<br>Recovery<br>Water Leve<br>Depth | al á        | Vater<br>at Sam<br>ime (ft |       | Colle                                 | mple<br>ection<br>me          | Samp         | le Identifica             | ation            |
| 1012                         |            | o        | 40          | 0.                            | 32             | 9                         | -0                     | 3                              | 3.3   | 10.55                                  |             | 8.0                        | 1     | 104                                   | 13                            |              | ···                       |                  |
| Notes:                       |            |          |             |                               |                |                           |                        |                                |       |  |             |                            |       |                                       |                               |              |                           |                  |





| Project I<br>Project I  | Name;<br>No.: | Miss             | 100 Uc                        | alley            | <u> </u>       | دلا                    |                                | ······································ | Date                                   |                |                                       | -04                                   |                               |                                  |                           |                  |
|-------------------------|---------------|------------------|-------------------------------|------------------|----------------|------------------------|--------------------------------|--|--|----------------|---------------------------------------|---------------------------------------|-------------------------------|----------------------------------|---------------------------|------------------|
|                         |               | tion: N          | JW -                          | 91F              |                |                        |                                |  | <u>-</u>                               | ared B         | y: M                                  | 75<br>/da                             |                               | creen:                           |                           |                  |
| Measure                 | ment l        | Point De         | scription                     |                  | $\infty$       | Noe                    | T-6-4                          |  |  | p Intak        |                                       | PT                                    | <del>}</del>                  | -Cr <del>ee</del> ni             |                           |                  |
| Depth<br>LNAP<br>(ft-bm | PL            | Static           | oth to<br>: Water<br>(ft-bmp) |                  | Total<br>ft-bm | Depth<br>p)            | Wate<br>Colum<br>Heigh<br>(ft) | ın                                     | LNAPL Thici<br>(ft-bmp                 |                | One (1                                | l) Casin<br>(gallor                   | g Ca<br>(s) Vol               | se (3)<br>sing<br>umes<br>lions) | Above<br>Screen<br>Volume | Screen<br>Volume |
| NA                      |               | 7.3              | 37                            | 30               | 1.1            | \                      | 31.70                          | 4                                      | NA                                     |                | 50                                    | 8                                     | 15                            | .24                              |                           | _                |
| Well D                  | Plamet        | er (in)          |                               | Ga               | llons          | /Foot                  |                                | Fie                                    | id Equipment                           | : 14           | 00-60                                 |                                       | 2017                          | 2A O: \\                         | np, in                    | - 25750          |
|                         |               |                  | 0.75                          | 2                | 1              | 4                      | 6                              | Pur                                    | ge Method:                             | 1,1            | a How                                 | 200                                   | <u> </u>                      | por                              | <u> </u>                  | MAGIZ            |
| 0.75 (2                 | 2) 4          | 6                | 0.02                          | 0.1              | 6              | 0.65                   | 1.47                           | We                                     | il Condition:                          |                | rood                                  | •                                     | CAACO                         |                                  |                           |                  |
| Time                    | Casing        | / Screen         | Volume<br>Purged<br>(gallons) | Flow<br>(gp      |                | Wate<br>Leve<br>(ft-bm | i p                            | Н                                      | Temperature (°C)                       | Turbid<br>(NTU | ity Cond                              | ductivity                             | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                      | Obs                       | ervations        |
| 1058                    |               |                  | 0                             | Ø                | 5              | NA                     | 7.1                            | 17                                     | 20.5                                   | 930            | 0.                                    | 214                                   | 11.84                         | -142                             | Mu                        | erz              |
| 1113                    |               |                  | 4                             | 0.               | 27             |                        | 7.                             | 22                                     | 19.5                                   | 617            | 0.                                    | 205                                   | 12.06                         | -134                             | Cle                       | ody              |
| 1125                    |               |                  | <u>8</u>                      | 0.               | 33             |                        | 7,                             | 24                                     | 19.5                                   | 594            | 0-                                    | 207                                   | 11.61                         | -122                             | -                         | 8                |
| 1140                    |               |                  | 12                            | 0.               | 27             |                        | 7.3                            | 26                                     | 19.6                                   | 518            | 0 -                                   | 209                                   | 11.78                         | -130                             |                           |                  |
| 1154                    |               |                  | 16                            | 0.               | 29             | 1                      | 7.2                            | 28                                     | 19.5                                   | 532            | 2 0.                                  | 203                                   | 11.81                         | -133                             | > .                       |                  |
|                         |               |                  |                               |                  |                |                        |                                |  |  |                |                                       | · · · · · · · · · · · · · · · · · · · |                               |                                  |                           |                  |
| Purge Sta<br>Time       | nrt P         | urge End<br>Time |                               | ige Flow<br>Ipm) |                | al Gallons<br>Purged   | Total C<br>Volui<br>Purç       | mes                                    | 80%<br>Recovery<br>Water Leve<br>Depth | at at          | ater Level<br>Sampling<br>ne (ft-bmp) | Colle                                 | mple<br>ection<br>me          | San                              | nple Identifica           | tion             |
| 1058                    |               | 1154             | 0                             | .28              | \              | 6.0                    | 3,                             | ١                                      | 13.71                                  | 9              | 1.82                                  | 115                                   | 9                             | 7                                |                           |                  |
| Votes:                  |               |                  |                               |                  | <u> </u>       |                        | <u> </u>                       |  |  |                | ~ ~                                   |                                       |                               |                                  |                           |                  |





| Project Nam                   | ne: 🆊       | 115510                        | on Va                        | Key 1          | 200             | K                       |                                 |       | Date                                   | :            |          | (                         | 7-7-               | 000                           |   |                           |  |
|-------------------------------|-------------|-------------------------------|------------------------------|----------------|-----------------|-------------------------|---------------------------------|-------|--|--------------|----------|---------------------------|--------------------|-------------------------------|---|---------------------------|--|
| Project No.:                  | : E         | M 5                           | 009 C                        |                |                 |                         |                                 | ***** |  | ared I       | Bv:      | MJ                        |                    | <u> </u>                      | *************************************** |                           |  |
| Well Identif                  | Icatio      | n: M                          | ~ WN                         |                |                 |                         |                                 |       | Wea                                    |              |          |                           | day                | S                             | creen:                                  |                           |  |
| Measureme                     | nt Pol      | nt Des                        | cription:                    | To             | ري              | NORT                    | 7+                              |       | Pum                                    | p Inta       |          | 12                        |                    |                               |   |                           |  |
| Depth to<br>LNAPL<br>(ft-bmp) |             | Depti<br>Static \<br>evel (fi | Nater                        | Well T         | otal  <br>t-bmp | - 1                     | Water<br>Colum<br>Heigh<br>(ft) | n     | LNAPL Thick<br>(ft-bmp)                |              |          |                           | Casing<br>(gallon: | Cas<br>S) Volu                | e (3)<br>sing<br>imes<br>lons)          | Above<br>Screen<br>Volume | Screen<br>Volume                       |
| NA                            | (           | 4. و                          | 5                            | 15             | .3              | 4                       | 8.80                            | 1     | NA                                     |              |          | 1.42                      |                    | 4.2                           | 26                                      |                           |  |
| Well Diar                     | meter       | (In)                          |                              | Gal            | lons/           | Foot                    |                                 | Fle   | ld Equipment                           | H            | معا      | ba.                       | ہمدی               | Heer o                        | 00MO.                                   | incet                     | OAL )                                  |
|                               |             | <b>(,</b>                     | 0.75                         | 2              | 1               | 4                       | 6                               | Pur   | ge Method:                             |              |          |                           | pur                |                               | - (                                     |                           |  |
| 0.75 2                        | 4           | 6                             | 0.02                         | 0.16           |                 | 0.65                    | 1.47                            | Wel   | Il Condition:                          |              |          | roco                      | -                  | ~ρ                            |   |                           |  |
| Time c                        | esing / So  | reen                          | Volume<br>Purged<br>gallons) | Flow (gpr      |                 | Wate<br>Leve<br>(ft-bm) | l pl                            | H     | Temperature<br>(°C)                    | Turbi<br>(NT | dity     |                           | ıcti∨ity           | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                             | Obs                       | ervations                              |
| 1211                          |             |                               | 0                            | Ø              |                 | NA                      | 7.0                             | 15    | 20.8                                   | 000          | <u> </u> | 0.1                       | 50                 | 11.20                         | -72                                     | Muy                       | ) ) / ( \ -                            |
| 1215                          |             |                               | Э.                           | 0 5            | SO.             | 1                       | 7.1                             | 15    | 20.2                                   |              | 19       | 0.1                       | 49                 | 11.24                         | - 73                                    | , pcc,                    | 8-                                     |
| 1220                          |             |                               | 4                            | 0.             | 50              |                         | 7.4                             | 3     | 20.2                                   |              |          | 0.1                       |                    | 11.18                         | -75                                     |                           |  |
| 1226                          |             |                               | 6                            | O .            | 33              | 1                       | 7.0                             | 13    | 20.2                                   | $\downarrow$ |          | 0.1                       |                    | 11.13                         | -72                                     |                           |  |
|                               |             |                               |                              |                |                 |                         |                                 |       |  |              |          |                           |                    |                               |   |                           |  |
|                               |             |                               |                              |                |                 |                         |                                 |       |  |              |          | ·                         |                    |                               |   |                           | ************************************** |
| Purge Start<br>Time           |             | ge End<br>ime                 |                              | je Flow<br>om) |                 | Gallons<br>urged        | Total C<br>Volur<br>Purg        | nes   | 80%<br>Recovery<br>Water Leve<br>Depth | , a          | t San    | Level<br>npling<br>:-bmp) | Colle              | nple<br>ection<br>ne          | Sa                                      | mple Identifica           | ation                                  |
| 1211                          | 12          | 26                            | 0.0                          | 40             | (               | 0.0                     | ч.                              | 2     | 8.23                                   | 7            | 2.5      | 0                         | 127                | 28                            |   | ¢                         |  |
| lotes:                        | <del></del> | -                             |                              |                |                 |                         | 1                               |       |  |              |          |                           |                    |                               |   | -                         |  |



| rroject R               | lame: | Missi                      | <u>on Ua</u>                  | May R            | OCK                    |                                 |          | Date:                            |                            | 9-7    | -06                  |  |                                |  | ,                                       |
|-------------------------|-------|----------------------------|-------------------------------|------------------|------------------------|---------------------------------|----------|----------------------------------|----------------------------|--------|----------------------|--|--------------------------------|--|---|
| roject N                | lo.:  | EM5                        | D09 C                         |                  |                        |                                 |          | Prepar                           |                            | MZ     |                      | ************************************** |                                |  | *************************************** |
| Vell Ider               |       |                            | NW-                           |                  |                        |                                 |          | Weath                            | or: pp                     | · (de  | 45                   | So                                     | creen:                         |  |   |
| leasure                 | ment  | Point Des                  | cription                      | $T \propto$      | , Noa                  | 2764                            |          | Pump                             | ntake:                     | 104    | <b>&gt;</b>          |  |                                |  |   |
| Depth<br>LNAP<br>(ft-bm | L     | Dept<br>Static<br>Level (f | Water                         |                  | al Depth<br>emp)       | Water<br>Colum<br>Heigh<br>(ft) | n LNA    | .PL Thickno<br>(ft-bmp)          |                            |        | Casing<br>(gallons   | Cas<br>() Volu                         | e (3)<br>sing<br>smes<br>sons) | Above<br>Screen<br>Volume  | Screer<br>Volume                        |
| NA                      |       | 6.30                       | >                             | 8.4              | 8                      | 2.18                            |          | NA                               |                            | 0.3    | 4                    | 1.0                                    | 4                              | 400000   |   |
| Well D                  | lame  | ter (in)                   |                               | Gallo            | ns/Foot                |                                 | Field Ed | juipment:                        | Horz                       | NOA    | يودي ر               | Hera                                   | pump                           | ince   | ter                                     |
|                         |       |                            | 0.75                          | 2 "              | 4                      | 6                               | Purge N  | lethod:                          | 4 4                        | ~0 b   |                      |  |                                |  |   |
| 0.75 2                  |       | 4 6                        | 0.02                          | 0.16             | 0.65                   | 1.47                            | Well Co  | ndition:                         | (5-00                      |        |                      |  |                                |  |   |
| Time                    | Casin | g / Screen                 | Volume<br>Purged<br>(gallons) | Flow Ra<br>(gpm) | te Wa<br>Lev<br>(ft-br | el p                            | H Ten    | nperature (°C)                   | urbidity<br>(NTU)          | Condu  |                      | Dissolved<br>Oxygen<br>(mg/L)          | ORP<br>(mV)                    | Obs  | ervations                               |
| 251                     |       |                            | 0                             | ø                |                        | 6.0                             | 12 29    | 5.1                              | VER<br>999                 | 0.2    | 15                   | 12.39                                  | -109                           | MURI   | ey                                      |
| 254                     |       |                            | 1/2                           | 0.17             |                        | 6.8                             | 38 2     | 2.9                              | 1                          | 0.1    | 98                   | 11.56                                  | -125                           |  | · · · · · · · · · · · · · · · · · · ·   |
| 258                     |       |                            | 1.0                           | 0.13             |                        | 6.9                             | 13 2     | 2.5                              |                            | 0.13   | 89                   | 10.91                                  | -117                           |  |   |
|                         |       |                            |                               |                  |                        |                                 |          |                                  |                            |        |                      |  |                                |  |   |
|                         |       |                            |                               |                  |                        |                                 |          |                                  |                            |        |                      | ······································ |                                |  |   |
|                         |       |                            |                               |                  |                        | **                              | •        | 80%                              |                            |        |                      |  | , hg.,                         |  |   |
| Purge Sta<br>Time       | rt    | Purge End<br>Time          |                               | ge Flow   7      | otal Gallons<br>Purged | Total ©<br>Volu                 | nes ,    | Recovery<br>Water Level<br>Depth | Water<br>at Sar<br>Time (1 | npling | Sam<br>Collec<br>Tim | etion                                  | ú                              | n <b>ple Ident</b> ifica   | tion                                    |
| 251                     |       | 1258                       | 0.                            | 14               | 1.0                    | 3                               |          | 5.74                             | 10.3                       | 4      | 130                  | 0                                      |                                | The state of the s | <del>,</del>                            |
| lotes:                  | HAN   | obaile                     | 0 MEI                         | L -              | SAMPI                  | E */6                           | 0 00     | llected                          | _                          | `      |                      | _                                      | e r                            | . · ·  |   |



| roject N                | ame:   | Miss             | ion Uo                        | Mey 1                                 | 200    | <u>K</u>               |                                |      | Date:                                   |             | 9      | -7-C                      | S (42)  | ·                             |                              |  |                  |
|-------------------------|--|------------------|-------------------------------|---------------------------------------|--------|------------------------|--------------------------------|------|---|-------------|--------|---------------------------|---------|-------------------------------|------------------------------|--|------------------|
| roject N                | 0.:  | EM               | 5009 C                        | ·                                     |        |                        |                                |      | Prepa                                   | red         | By:    | M2                        | S       |                               |                              |  |                  |
| Veli iden               |  |                  | MW-                           |                                       |        |                        |                                |      | Weat                                    | her:        | tte    | ST 0                      | Long    | - <b>S</b> (                  | reen:                        |  |                  |
| leasure                 | nent i                                       | Point De         | scription                     | : 70                                  | یک     | Noe                    | TV4                            |      | Pump                                    | Inta        | ke:    | 18                        | FT      |                               |                              |  |                  |
| Depth<br>LNAP<br>(ft-bm | L  | Static           | oth to<br>: Water<br>(ft-bmp) | Well T<br>(fi                         | otal i | - 1                    | Wate<br>Colum<br>Heigh<br>(ft) | n    | LNAPL Thicki<br>(ft-bmp)                | ness        | 1      | ene (1)<br>plume (        | •       | Cas<br>S) Volu                | e (3)<br>sing<br>mes<br>ons) | Above<br>Screen<br>Volume              | Screen<br>Volume |
| NA                      |  | 7.1              | 9                             | 23                                    | ٠. ٧   | 01                     | 16.47                          | 2    | NA                                      |             | 7      | 2.63                      | )       | 7.8                           | 8                            |  |                  |
| Well D                  | lamet  | er (In)          |                               | Gal                                   | lons/  | Foot                   |                                | Fiel | d Equipment:                            | H           | overl  | DP /                      | ءدر     | HERA D                        | ·MO.                         | nvenne                                 | 18 -             |
|                         |  | · (III)          | 0.75                          | $\sqrt{2}$                            |        | 4                      | 6                              | Pur  | ge Method:                              |             |        | TEA                       |         |                               |                              | 11400014                               |                  |
| ).75 2                  | <u>)                                    </u> | 6                | 0.02                          | 0.16                                  |        | 0.65                   | 1.47                           | Wel  | l Condition:                            |             | 1000   |                           |         |                               |                              |  |                  |
| Time                    | Casing                                       | / Screen         | Volume<br>Purged<br>(gallons) | Flow I                                |        | Wate<br>Leve<br>(ft-bm | l p                            | Н    | Temperature<br>(°C)                     | Turb<br>(NT |        | Condu                     | ctivity | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                  | Obs                                    | ervations        |
| 308                     |  |                  | 0                             | Ø                                     |        | NA                     | 7.                             | 63   | 20.3                                    | 0 11        | ER     | 0,2                       | 14      | 12.43                         | -143                         | Mo                                     | ary              |
| 315                     |  |                  | 2                             | 0.7                                   | 29     |                        | 7.                             | 33   | 19.8                                    | 1           |        | 0.2                       | .04     | 17.56                         | -129                         | ١                                      |                  |
| 323                     |  |                  | 4                             | 0.2                                   | -5_    |                        | ٦.                             | 21   | 19.7                                    |             |        | 0.2                       | 00      | 12.52                         | -115                         |  |                  |
| 331                     |  |                  | 6                             | 0.7                                   | 15     |                        | 7.                             | 11   | 19.7                                    |             |        | 0.2                       | 09      | 12.48                         | -126                         |  |                  |
| 336                     |  |                  | - G                           | 0.0                                   | 40     | 1                      | 7.                             | 10   | 19.7                                    | 7           | /      | 0.7                       | 216     | 11.59                         | -147                         | , l                                    | Y                |
|                         |  |                  |                               |                                       |        |                        |                                |      |   |             |        |                           |         |                               |                              |  |                  |
| Purge Sta<br>Time       | rt F   | Purge En<br>Time | I I                           | ige Flow<br>ipm)                      |        | l Gallons<br>urged     | Total (<br>Volu<br>Pur         | mes  | 80%<br>Recovery<br>Water Level<br>Depth | a           | at San | Level<br>npling<br>t-bmp) | Coll    | mple<br>ection<br>me          | Sar                          | nple Identifica                        | ation            |
| 1308                    |  | 1336             | 0                             | .29                                   | 78     | 0.6                    | 3.                             | O,   | 10.47                                   | 1           | 0.0    | 22                        | .13'    | 12                            |                              |  |                  |
| lotes:                  |  |                  |                               | · · · · · · · · · · · · · · · · · · · |        |                        |                                |      |   |             |        |                           |         |                               |                              | ······································ |                  |



| Project Na                    | ame:       | 115510                                     | on Va                         | Mey V                      | 200       | <u>~</u>                   |                                   |          | Date:                 | C                  | 7-7-                               | 00         |                               |                                 | · · · · · · · · · · · · · · · · · · · |                  |
|-------------------------------|------------|--|-------------------------------|----------------------------|-----------|----------------------------|-----------------------------------|----------|-----------------------|--------------------|------------------------------------|------------|-------------------------------|---------------------------------|---------------------------------------|------------------|
| Project No                    |            |  | 009 C                         |                            |           |                            |                                   |          | Prepai                | red By:            | . M                                | 2 <b>S</b> |                               |                                 |                                       |                  |
| Vell Ident                    |            |  |                               |                            |           |                            |                                   |          | Weath                 |                    |                                    | / dery     | S                             | creen:                          |                                       |                  |
| Measuren                      | nent Po    | Int Des                                    | cription                      | $= T \propto$              | <u> ト</u> | HTSO                       |                                   |          | Pump                  | Intake             | : 2                                | A          |                               |                                 |                                       |                  |
| Depth to<br>LNAPL<br>(ft-bmp) |            | Depth to<br>Static Water<br>Level (ft-bmp) |                               | Well Total Dep<br>(ft-bmp) |           | •                          | Water<br>Columi<br>Helght<br>(ft) | LNA      | PL Thickn<br>(ft-bmp) |                    | One (1) Casing<br>Volume (gallons) |            | g Car<br>s) Volu              | ee (3)<br>sing<br>umes<br>ions) | Above<br>Screen<br>Volume             | Screen<br>Volume |
| NA                            | A 5.62     |  |                               | 9.58                       |           |                            | 3.96                              | > \      | NA                    |                    | 0.63                               |            | ١,                            | 9                               |                                       | -                |
| Well Di                       | ameter     | · (ln)                                     |                               | Gal                        | ons/F     | oot                        |                                   | Fleid Eq | ulpment:              | Д.                 | Ades                               | رص ہ       | 4 (tera                       | pump                            | >, unve                               | eter             |
|                               |            |  | 0.75                          | 2                          |           | 4                          | 6                                 | Purge M  | ethod:                |                    |                                    | ANG        |                               | ,                               |                                       |                  |
| 0.75 2                        | 4          | 6  | 0.02                          | 0.16                       | / (       | 0.65                       | 1.47                              | Well Cor | dition:               |                    | s code                             |            |                               |                                 |                                       |                  |
| Tlme                          | Casing / S | Screen                                     | Volume<br>Purged<br>(gallons) | Flow F                     |           | Water<br>Level<br>(ft-bmp) | pŀ                                |          | perature<br>(°C)      | Turbidity<br>(NTU) | y Con                              | ductivity  | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                     | Obs                                   | ervations        |
| 358                           |            |  | 0                             | Ø                          |           | NA                         | ۱۰ ٦                              | 8 23     | >. 4                  | 428                | 0.                                 | ٥١٥        | 10.7                          | -75                             | cli                                   | CAR              |
| 1403                          |            |  | (                             | 0.7                        | ٥         | 1                          | 7.                                | 15 23    | 2.12                  | 045e               | 0                                  | 622        | 622 10.3                      |                                 | o M                                   | urry             |
| 407                           |            |  | 2                             | 0.2                        | -5        | 1                          | 7.                                | 12 2:    | 3.0                   | $\mathcal{T}$      | 0                                  | 35 ص،      | 10.2                          | - 79                            | 5                                     | L                |
|                               |            |  |                               |                            |           |                            |                                   |          |                       |                    |                                    |            |                               |                                 |                                       |                  |
| Purge Star                    | t Pu       | rge End                                    | Avera                         | ge Flow                    | Total     | Gallons                    | Total C                           |          | 80%<br>Recovery       |                    | er Level                           | 1          | mple                          | 0.                              |                                       |                  |
| Time                          |            | Time                                       |                               | •                          |           | Purged Vol                 |                                   | 1 V      | Vater Level<br>Depth  |                    | Sampling Colle<br>ne (ft-bmp) Ti   |            | me                            | Sample Identification           |                                       |                  |
| 1358                          | \ \v       | 1407 0                                     |                               | .22 2                      |           | 0                          | 0 3.2                             |          | ١٢. هـ                | 5.65               |                                    | 14         | 1410                          |                                 |                                       |                  |
| Notes:                        | WE         | L p.                                       | urged                         | *                          | 6 A.      | npre                       | col                               | lecte    | ر می                  | 2                  | har                                | dba        | . Cere                        |                                 |                                       |                  |



| rroject r                                | lame:  | Miss                                | ion Va                        | lley                         | Roc    | <u> </u>                          |         |                         | Date                | H           | 9                                  | ~7-              | 90                  |                               |  |   | _         |
|--|--------|-------------------------------------|-------------------------------|------------------------------|--------|-----------------------------------|---------|-------------------------|---------------------|-------------|------------------------------------|------------------|---------------------|-------------------------------|--|---|-----------|
| Project N                                | 40::   | EME                                 | 5009 C                        |                              |        |                                   |         |                         | Prep                | ared        |                                    | MZ               |                     |                               |  | *************************************** |           |
| Well Identification: MW-104              |        |                                     |                               |                              |        |                                   | Wea     | ther:                   | المهو               | > /0        |                                    | S                | cr <del>ee</del> n: |                               |  |   |           |
| Measurement Point Description: TOC NORTH |        |                                     |                               |                              |        |                                   | Pum     | p Int                   | ake:                | 14:         | Pτ                                 |                  |                     |                               |  |   |           |
| LNAPL Static V                           |        | epth to<br>tic Water<br>ol (ft-bmp) |                               | Well Total Depth<br>(ft-bmp) |        | Water<br>Column<br>Helght<br>(ft) |         | LNAPL Thick<br>(ft-bmp) |                     |             | One (1) Casing<br>Volume (gallons) |                  | g Cas<br>s) Volu    | e (3)<br>sing<br>mes<br>lons) | Above<br>Screen<br>Volume              | Screen<br>Volume                        |           |
|  |        | 72                                  | 12 19                         |                              | 1.38   |                                   | 0       | Line NA                 |                     | 1.ie7       |                                    | 7                | 5.0                 | 2                             | ************************************** | -                                       |           |
| Well D                                   | lamei  | er (in)                             |                               | Ga                           | ions/  | Foot                              |         | FI                      | eld Equipment       | <i>L.</i> j | 00                                 | Jan.             | محد                 | LITERA                        | DUMP                                   | , where                                 | RIER      |
|  |        |                                     | 0.75                          | 2                            |        | 4                                 | 6       | Pu                      | ırge Method:        |             |                                    | TERA             |                     |                               |  |   |           |
| 0.75 2                                   |        | 4 6                                 | 0.02                          | 0.10                         |        | 0.65                              | 1.47    | W                       | ell Condition:      |             | <del>,</del>                       |                  |                     | ***                           |  |   |           |
| Time                                     | Casing | j / Screen                          | Volume<br>Purged<br>(gallons) | Flow<br>(gp                  |        | Wate<br>Leve<br>(ft-bm            | i r     | рΗ                      | Temperature (°C)    |             | oidity<br>TU)                      | Condu            | ctivity             | Dissolved<br>Oxygen<br>(mg/L) | ORP<br>(mV)                            | Obs                                     | ervations |
| 417                                      |        |                                     | 0                             | Ø                            | •      | NA                                | 7.      | 32                      | 21.5                | oy.         | ER                                 | 0.5              |                     | 12,05                         | -119                                   | NU                                      | rux       |
| 421                                      |        |                                     | 2                             | 0.5                          | 50     |                                   | ٦.      | 11                      | 20.6                | ì           |                                    | 6. ن             | 01                  | 11.95                         | -130                                   | 1                                       |           |
| 1425                                     |        |                                     | 4                             | <b>D</b>                     | 50     |                                   | 7.      | 06                      | 20.4                |             |                                    | 0.6              | 05                  | 11.70                         | -127                                   |   |           |
| 1430                                     |        |                                     | 6                             | 0.                           | 0.40   |                                   | 7.04    |                         | 20.4                | ,           | 0.6                                |                  | 09 11.64            |                               | -122                                   |   |           |
|  |        |                                     |                               |                              |        |                                   |         | ····                    |                     |             |                                    |                  |                     |                               |  |   |           |
| Purge Sta                                | nrt F  | Purge End                           |                               | ge Flow                      |        | l Gallons                         | Total ( | Casir                   | - DAAA\\AA\         |             | Water                              |                  |                     | mple                          |  |   |           |
| Time                                     |        | Time                                |                               | pm)                          | Purged |                                   |         | ged                     | Water Leve<br>Depth | atS         |                                    | npling<br>t-bmp) |                     | ection<br>me                  | Sample Identification                  |   | ition     |
| 1417 1                                   |        | 1430                                | 0.                            | 46                           | 6      | ·O                                | 3.      | 9                       | 11.01               |             | 10.21                              |                  | 143                 | 32                            | -                                      |   |           |



| Project N                       | am           | e: /                                       | 11551  | on Va                               | lley 1 | 200   | دلا                               |                |                         | Date             | *                                  | 9-7-         | 00                   |                                |                           |                  |            |  |
|---------------------------------|--------------|--|--------|-------------------------------------|--------|-------|-----------------------------------|----------------|-------------------------|------------------|------------------------------------|--------------|----------------------|--------------------------------|---------------------------|------------------|------------|--|
| Project N                       | No.: EM5009C |  |        |                                     |        |       |                                   |                | Prep                    | Prepared By: MZS |                                    |              |                      |                                |                           |                  |            |  |
| Well Identification: MW - 10 LF |              |  |        |                                     |        |       |                                   | Wea            | ther:                   | De- /            | dreig                              | Se           | cr <del>ee</del> n:  |                                |                           |                  |            |  |
| Measuren                        | neı          | it Pol                                     | nt De  | scription                           | 10     | ک     | NORT                              | <del>7</del> 4 |                         | Pum              | p Intal                            | (e: 2)       | 9 FT                 |                                |                           |                  |            |  |
| LNAPL Static                    |              | Depth to<br>Static Water<br>Level (ft-bmp) |        | Well Total De<br>(ft-bmp)           |        |       |                                   | n              | LNAPL Thick<br>(ft-bmp) |                  | One (1) Casing<br>Volume (gallons) |              | g Cas<br>s) Volu     | e (3)<br>sing<br>imes<br>lons) | Above<br>Screen<br>Volume | Screen<br>Volume |            |  |
|                                 |              | عا ، ر                                     | Le5 39 |                                     | 9.90   |       | 30.25                             |                | NA                      |                  | 4.84                               |              | 14.                  | 52                             |                           |                  |            |  |
| Well Di                         | lan          | eter                                       | (In)   |                                     | Gal    | lons/ | Foot                              |                | Fiel                    | d Equipment      | 1-40                               | 200A         | , w                  | altera                         | - 10 UN                   | np, m            | renter     |  |
|                                 |              |  | ` '    | 0.75                                | 2      |       | 4                                 | 6              | Pur                     | ge Method:       |                                    |              |                      | pump                           |                           | ,                |            |  |
| 0.75                            |              | 4  | 6      | 0.02                                | 0.16   |       | 0.65                              | 1.47           | Wel                     | l Condition:     |                                    | road         |                      | bouch                          |                           | <del></del>      |            |  |
| Time                            | Ca           | sing / So                                  | 1      | Volume<br>Purged<br>(gallons)       | Flow I |       | Water<br>Level<br>(ft-bmp         | р              | Н                       | Temperature (°C) | Turbic<br>(NTL                     |              | ductivity            | Dissolved<br>Oxygen<br>(mg/L)  | ORP<br>(mV)               | Obs              | servations |  |
| 1441                            |              |  |        | 0                                   | ø      |       | 44                                | 7.             | 23                      | 22.7             | 911                                | 0.           | 269                  | 12.81                          | -150                      | 7 100            | ery        |  |
| 1451                            |              |  |        | _5                                  | 0.9    | 50    | 1                                 | 7.             | 16                      | 19.2             | 438                                | 3 0.         | 277                  | 12.90                          | -150                      | cli              | oudy       |  |
| 1500                            |              |  |        | 10                                  | 0.9    | 56    |                                   | 7.             | 16                      | 19.2             | 461                                | 0 0          | 287                  | 13.17                          | -143                      |                  |            |  |
| 1513                            |              |  |        | 15                                  | 0,7    | કેલ   | 1                                 | 7.             | 32                      | 19.3             | 40                                 | <del>`</del> | .302                 | 13.64                          | -/38                      |                  |            |  |
|                                 |              | <del></del>                                |        |                                     |        |       |                                   |                |                         |                  |                                    |              |                      |                                |                           |                  |            |  |
|                                 |              |  |        |                                     |        |       |                                   |                |                         |                  |                                    |              |                      |                                |                           |                  |            |  |
| Purge Start P                   |              |  |        | ge Flow Total Gallons<br>pm) Purged |        |       | Total Casing<br>Volumes<br>Purged |                | Recovery Water Level    |                  |                                    |              | mple<br>ection<br>me | Sample Identification          |                           |                  |            |  |
| 1441                            |              | 15   | 13     | 0.                                  | 47     | 15    | 5.0                               | 3、             | 1                       | 15.70            | 9                                  | 1.81         | 15                   | 15                             |                           |                  |            |  |
| Notes:                          |              |  |        |                                     |        |       |                                   |                |                         |                  |                                    | <u> </u>     | 1 1 1                | ٠,                             |                           |                  |            |  |

# APPENDIX C CERTIFICATE OF DISPOSAL



INTEGRATED WASTESTREAM MANAGEMENT, INC. 1945 Concourse Drive, San Jose, CA 95131-1708 PHONE: 408.433.1990 FAX: 408.433-9521

### **CERTIFICATE OF DISPOSAL**

| Generator Name: | Misson Valley Roack Company | Facility Name:    | Mission Valley Rock               |
|-----------------|-----------------------------|-------------------|-----------------------------------|
| Address:        | 7999 Athenour Way           | Address:          | 7999 Athenour Way                 |
|                 | Sunol, CA 94586             |                   | Sunol, CA                         |
| Contact:        | Mort Calvert                | Facility Contact: | Mike Schenone, Tait Environmental |
| Phone:          | 925-862-2257                | Phone:            | 916-858-1090                      |
|                 |                             |                   |                                   |
|                 |                             |                   |                                   |

 IWM Job #:
 96296-DE

 Description of Waste:
 4 Drum(s) of

 Non-Hazardous

 Water

 Removal Date:
 9/15/06

 Ticket #:
 SP150906-MISC

| Transp   | orter Information  | Dispos   | Disposal Facility Information    |  |  |  |  |
|----------|--------------------|----------|----------------------------------|--|--|--|--|
| Name:    | IWM, Inc.          | Name:    | Seaport Refining & Environmental |  |  |  |  |
| Address: | 950 Ames Avenue    | Address: | 700 Seaport Blvd                 |  |  |  |  |
|          | Milpitas, CA 95035 |          | Redwood City, CA 94063           |  |  |  |  |
| Phone:   | (408) 942-8940     | 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.

| allia. Veta  |         |
|--|---------|
| William T. DeLon William 2. Ce For                   | 9/15/06 |
| Authorized Representative (Print Name and Signature) | Date    |

# APPENDIX D LABORATORY REPORT

# 20 September 2006

Michael Schenone Tait -- Rancho Cordova 11280 Trade Center Drive Rancho Cordova, CA 95742

RE: Mission Valley Rock

A=7.H=.

Enclosed are the results of analyses for samples received by the laboratory on 09/09/06 09:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

**Aaron Harris** 

**Project Manager** 

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

Page: \ Of 2 Client: Tait Environmental Management Date: 9-8-06 Address: 11280 Trade Center Drue Project Name: Mission Valley Rock Collector: Mike Schenonalient Project #: EM5009C Phone: 916 669 - 1826 Fax: 916 858 1011 Project Manager: Michael Schenone EDF #: TO6 001 02092 Batch #: Chain only **√**Total # of containers 8015M Ext./Carbon χó 8015M (gasoline) 6010/7000 Title 8015M (diesel) Laboratory ID 8260 BTEX, 8260 + OXY 8021 BTEX Sample Container Comments/Preservative Type Type Date Sampled Time Sample ID 9-5-06 1405 (SPEAD MOA MW-4d 02 1450 MW- 4s MW - 5d 1535 1645 MW - 55 9-6-06 831 06 928 MW-6d 957 MW- Les OŔ MW - 2d 09 MW - 2M MW - 25 1-WM MW- 12d NW - 12 LF 1410 1500 MW - 115 MW- 119 1540 Received by (signature) Date / Time Relinquished by: (signature) Date / Time Total # of containers 60 75 Notes 955 Chain of Custody seals Y/N/NA Date / Time Seals intact? \( \text{Y} \) N/NA Date / Time Relinquished by: (signature) EDF 9/9/06 900 Received good condition/cold 17% Date / Time Date / Time Relinguished by: (signature) Turn around time: NORMAL Total 130 containers Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_ Return to client Pickup \_\_\_\_

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

| Client: Tait En               | SIMONN           | rento       | 1 M         | AN AOXL                 | wei  | N                | <b>–</b> Da             | ite:     | 9                | <u> </u>           | 3~          | 00              | 0            |                 |          |               | e: <u> </u>            |             | Of   | 2              | _               |
|-------------------------------|------------------|-------------|-------------|-------------------------|--|------------------|-------------------------|----------|------------------|--------------------|-------------|-----------------|--------------|-----------------|----------|---------------|------------------------|-------------|--|----------------|-----------------|
| Address: 11280 T              | ade c            | entor       | Die         | ن دعن                   |  |                  | Pr                      | oject    | Nan              | ne:                | 8           | λœ              | 55           | CON             | . V      | المم(         | ey 1                   | کے          |  |                | _               |
| Phone: 916 669 -              | 1876             | Fax: Q1     | 10 95       | 12 - LOL                |  |                  | Co                      | llect    | or: N            | $\bar{\mathbf{u}}$ | V           | 0 .             | 9,           | hok             | 1 EVIA.( | Clien         | t Pr <del>oje</del> ct | #: <b>=</b> | MSC  | <b>309</b> €   | ک               |
| Project Manager: Mic          | 1 - 01           | 2 -1 -      | 1000        |                         |  |                  |                         | tch #    |                  |                    |             | _               |              | 200             |          |               | #: <b>TO</b> U         |             |  |                |                 |
| Project Manager: 1000         | nall             | <u> </u>    | none        | <del>/</del>            |  |                  | De                      | ilCII #  | ·—               |                    |             |                 |              |                 |          | יוכו          | π                      |             | <u>,,                                   </u> |                | =               |
|                               |                  |             |             |                         |  |                  |                         |          |                  |                    |             |                 |              |                 |          |               |                        |             |  |                |                 |
|                               |                  |             |             |                         |  | 1                |                         |          |                  |                    |             |                 |              |                 |          |               |                        |             |  |                |                 |
|                               |                  |             |             |                         |  | Ì                |                         |          |                  |                    | _           | ,               |              |                 |          |               |                        |             |  |                |                 |
|                               |                  |             |             |                         |  |                  |                         | 1        |                  |                    | Chain       | Metals          |              |                 |          |               |                        |             |  |                |                 |
|                               |                  |             |             |                         |  | .   -            | Sino<br>Sino            |          |                  |                    | 0           | ž               |              |                 |          |               |                        |             |  |                | S               |
|                               |                  |             |             |                         |  | ?                | اخ                      |          | (e)              |                    | Ext./Carbon | 22              |              |                 |          | #             |                        |             |  |                | ine             |
|                               |                  |             |             |                         |  |                  | Š                       |          | olin             | (les               | [Sa]        | <u>≝</u>        |              |                 |          | # QI          |                        |             |  |                | onts            |
|                               |                  |             |             |                         |  | X   }            | BIEX,                   | BTEX     | gas              | die                | X           | 8               | ć            |                 |          | ) J           |                        |             |  |                | ٽ<br>و          |
|                               |                  |             |             |                         | 1 1  | ¥   ¦            | <u> </u>                | BT       | M                | Σ                  | ₩           | 0/              | 3            |                 |          | ratc          |                        |             |  |                | #               |
|                               |                  | <b></b>     | Sample      | Container               | 8260   | 8260             | 8260<br>8270            | 8021     | 8015M (gasoline) | 8015M (diesel)     | 8015M       | 6010/7000 Title |              |                 |          | aboratory ID- | 0                      |             | <b>(D</b>                                    |                | Total           |
| Sample ID                     | Date Sampled     |             | Туре        | Type                    | 8  | 8 6              | <u> </u>                | <u> </u> | S.               | Š                  | ŏ.          | ĕ               | -            |                 |          | 19            | Cor                    | nments      | /Preserva                                    | itive          | 5               |
| MW-IILF                       | 9-6-06           |             | GRAD        | VOA                     |  | <del>-  </del> < | $\supset \vdash$        | +        | V                | $\Diamond$         |             | $\dashv$        |              |                 |          | 17            |                        |             |  |                | +3              |
| MW - 93                       | 4-1-06           | 1000        |             |                         | <del>                                     </del> | <del>-  </del>   | $\rightarrow$           | +        | $\Diamond$       | <b>X</b>           |             | _               | <del> </del> |                 |          | 18            |                        |             |  |                | ++              |
| MW-92F                        |                  | 1159        |             |                         | $\vdash$   | <del>- </del> <  | $\overline{\mathbf{x}}$ | +        | 父                |                    |             |                 |              |                 |          | 19            |                        |             | ·  | -              | ++              |
| MW-8                          |                  | 1228        |             |                         |  |                  | $\geqslant$             | †        | Ż                | 父                  |             |                 | $\dashv$     |                 |          | 20            |                        |             |  |                | +               |
| MW-75                         |                  | 1300        |             |                         |  | 1                |                         | †        | 又                | X                  |             |                 | $\dashv$     | $\dashv \dashv$ |          | 21            |                        |             |  |                | $\top \uparrow$ |
| MW - 78                       |                  | 1342        |             |                         |  |                  | Z                       |          | X                | X                  |             |                 |              |                 |          | 22            |                        |             |  |                | $\top$          |
| MW- 105                       |                  | 1410        |             |                         |  |                  | X                       |          | X                | X                  |             |                 |              |                 |          | 23<br>24      | 6.                     | TD          | TAT  |                | $\Box$          |
| MW-100                        |                  | 1432        |             |                         |  |                  |                         |          | $\mathbf{X}$     | X                  |             |                 |              |                 |          | 24            | 3                      | ID.         | TAT  |                | иI              |
| MW-10LF                       |                  | 1515        |             |                         |  |                  |                         |          | X                | X                  |             |                 |              |                 |          | 25            |                        | / / -       |  | $-\mathcal{M}$ | Ш               |
| MW - 125                      | <b>V</b>         | 1602        | <b>V</b>    | V                       | $\perp$  | :                | lack lack lack          | <u> </u> | X                | X                  | $\sqcup$    |                 | _            | $\perp$         |          | 26            |                        | 2 J. J.     |  |                | 4₩              |
|                               |                  |             |             |                         | $\vdash$   | -                | $\bot$                  | ऻ        | <u> </u>         |                    |             |                 |              | _               |          |               |                        |             |  |                | _               |
|                               |                  |             | ļ           |                         | -  | $\dashv$         | -                       | -        | -                |                    |             |                 |              | +               |          |               |                        |             |  |                | +               |
|                               | <u> </u>         |             |             |                         | $\vdash$   | $\dashv$         |                         | <b>-</b> | ├                |                    |             |                 | -            |                 |          |               |                        |             |  | <del></del>    | -               |
| Relinquished by: (signature)  | Date / T         | me          | Received b  | y: ( <b>xig</b> nature) | LL   |                  | ate /                   | Time     | <u> </u>         | لــــا             | LI          | L               | tal # 4      | of conta        | inoro    | 56            |                        |             | Notes  |                |                 |
|                               | Date 19          | me<br>-8-00 | 17. 1       | // 3                    | 91   | / ]              | . <i>C</i>              | 0%       |                  |                    |             |                 |              | •               |          | 22            |                        |             | notes  |                |                 |
|                               | enone            | 955         | Jan /       | y: (sig fat (re)        | _{/-   | 4/0              | Pate /<br>Date /        | 0        |                  | Cha                | ain of      |                 |              | eals(2)         |          |               |                        |             | _  |                |                 |
| Relinquished by: (signature)  | Date / T         | ime         | received to | y. (Signature)          | ,/ ;   | , ,-             | -7-                     |          |                  |                    |             |                 |              | act?(Y)         |          |               |                        | ED          | F  |                |                 |
| (150                          |                  |             | T           | Abju                    |  | $1/^{c}$         | 7/0G                    | 2 9      | <u>w_</u>        | R                  | eceiv       | /ed g           | ood c        | ondition        | /cold    | 700           | -                      |             |  |                |                 |
| Reimquished by: (signature)   | Date / T         | ime         | Receive¢ b  | y: (signature)          |  | ( [              | ate /                   | Time     |                  |                    |             |                 |              |                 |          |               |                        |             |  |                |                 |
|                               |                  |             |             |                         |  |                  |                         |          |                  | Turi               | n arc       | ound            | time         | NOR             | MAI      |               |                        |             |  |                |                 |
| Sample disposal Instructions: | isposal @ \$2.00 | each        | Return      | to client               |  | Picku            | p                       |          |                  |                    |             |                 |              |                 |          | L             |                        |             |  |                |                 |

Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| MW-4d     | T601225-01    | Water  | 09/05/06 14:05 | 09/09/06 09:00 |
| MW-4s     | T601225-02    | Water  | 09/05/06 14:50 | 09/09/06 09:00 |
| MW-5d     | T601225-03    | Water  | 09/05/06 15:35 | 09/09/06 09:00 |
| MW-5s     | T601225-04    | Water  | 09/05/06 16:45 | 09/09/06 09:00 |
| MW-3      | T601225-05    | Water  | 09/06/06 08:31 | 09/09/06 09:00 |
| MW-6d     | T601225-06    | Water  | 09/06/06 09:28 | 09/09/06 09:00 |
| MW-6s     | T601225-07    | Water  | 09/06/06 09:57 | 09/09/06 09:00 |
| MW-2d     | T601225-08    | Water  | 09/06/06 10:55 | 09/09/06 09:00 |
| MW-2M     | T601225-09    | Water  | 09/06/06 11:25 | 09/09/06 09:00 |
| MW-2s     | T601225-10    | Water  | 09/06/06 11:50 | 09/09/06 09:00 |
| MW-1      | T601225-11    | Water  | 09/06/06 12:35 | 09/09/06 09:00 |
| MW-12d    | T601225-12    | Water  | 09/06/06 13:20 | 09/09/06 09:00 |
| MW-12LF   | T601225-13    | Water  | 09/06/06 14:10 | 09/09/06 09:00 |
| MW-11s    | T601225-14    | Water  | 09/06/06 15:00 | 09/09/06 09:00 |
| MW-11d    | T601225-15    | Water  | 09/06/06 15:40 | 09/09/06 09:00 |
| MW-11LF   | T601225-16    | Water  | 09/06/06 16:40 | 09/09/06 09:00 |
| MW-9s     | T601225-17    | Water  | 09/07/06 10:00 | 09/09/06 09:00 |
| MW-9d     | T601225-18    | Water  | 09/07/06 10:43 | 09/09/06 09:00 |
| MW-9LF    | T601225-19    | Water  | 09/07/06 11:59 | 09/09/06 09:00 |
| MW-8      | T601225-20    | Water  | 09/07/06 12:28 | 09/09/06 09:00 |
| MW-7s     | T601225-21    | Water  | 09/07/06 13:00 | 09/09/06 09:00 |
| MW-7d     | T601225-22    | Water  | 09/07/06 13:42 | 09/09/06 09:00 |
| MW-10s    | T601225-23    | Water  | 09/07/06 14:10 | 09/09/06 09:00 |
| MW-10d    | T601225-24    | Water  | 09/07/06 14:32 | 09/09/06 09:00 |
| MW-10LF   | T601225-25    | Water  | 09/07/06 15:15 | 09/09/06 09:00 |
| MW-12s    | T601225-26    | Water  | 09/07/06 16:02 | 09/09/06 09:00 |
|           |               |        |                |                |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

**Reported:** 09/20/06 16:57

# MW-4d T601225-01 (Water)

| Analyte                         | Result          | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Note |
|---------------------------------|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|------|
|                                 |                 | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |      |
| Purgeable Petroleum Hydrocarbo  | ns by EPA 8015m | l                  |          |           |         |          |          |           |      |
| C6-C12 (GRO)                    | ND              | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |      |
| Surrogate: 4-Bromofluorobenzene |                 | 95.2 %             | 65-      | 135       | "       | "        | "        | "         |      |
| Extractable Petroleum Hydrocarb | ons by 8015     |                    |          |           |         |          |          |           |      |
| Diesel Range Hydrocarbons       | ND              | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |      |
| Surrogate: Chrysene             |                 | 73.8 %             | 65-      | 135       | "       | "        | "        | "         |      |
| Volatile Organic Compounds by E | PA Method 8260  | В                  |          |           |         |          |          |           |      |
| Benzene                         | ND              | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/14/06 | 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                | "        | "         | "       | "        | "        | "         |      |
| Surrogate: Toluene-d8           |                 | 99.0 %             | 88.8     | -117      | "       | "        | "        | "         |      |
| Surrogate: 4-Bromofluorobenzene |                 | 108 %              | 83.5     | -119      | "       | "        | "        | "         |      |
| Surrogate: Dibromofluoromethane |                 | 96.2 %             | 81.1     | -136      | "       | "        | "        | "         |      |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

**Reported:** 09/20/06 16:57

# MW-4s T601225-02 (Water)

| Analyte                         | Result          | Reporting<br>Limit | Units   | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------------|-----------------|--------------------|---------|-----------|---------|----------|----------|-----------|-------|
|                                 |                 | SunStar La         | aborato | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbo  | ns by EPA 8015m |                    |         |           |         |          |          |           |       |
| C6-C12 (GRO)                    | ND              | 50                 | ug/l    | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene |                 | 83.6 %             | 65-     | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarb | ons by 8015     |                    |         |           |         |          |          |           |       |
| Diesel Range Hydrocarbons       | ND              | 0.050              | mg/l    | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene             |                 | 67.8 %             | 65-     | 135       | "       | "        | "        | "         |       |
| Volatile Organic Compounds by E | CPA Method 8260 | В                  |         |           |         |          |          |           |       |
| Benzene                         | ND              | 0.50               | ug/l    | 1         | 6091225 | 09/12/06 | 09/14/06 | 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                | "       | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8           |                 | 99.0 %             | 88.8    | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene |                 | 108 %              | 83.5    | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane |                 | 98.8 %             | 81.1    | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-5d T601225-03 (Water)

| Analyte                          | Result         | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------------------|----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|                                  |                | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbon  | s by EPA 8015m | l                  |          |           |         |          |          |           |       |
| C6-C12 (GRO)                     | ND             | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene  |                | 89.0 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarbo | ons by 8015    |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons        | ND             | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene              |                | 69.0 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Volatile Organic Compounds by El | PA Method 8260 | В                  |          |           |         |          |          |           |       |
| Benzene                          | ND             | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/14/06 | EPA 8260B |       |
| Toluene                          | 0.60           | 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          | 5.3            | 1.0                | "        | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8            |                | 100 %              | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene  |                | 109 %              | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane  |                | 96.8 %             | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-5s T601225-04 (Water)

| Analyte                                | Result          | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|--|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|  |                 | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbon        | ns by EPA 8015m |                    |          |           |         |          |          |           |       |
| C6-C12 (GRO)                           | ND              | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 86.8 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarbo       | ons by 8015     |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons              | ND              | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene                    |                 | 67.0 %             | 65-      | 135       | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by E</b> | PA Method 82601 | В                  |          |           |         |          |          |           |       |
| Benzene                                | ND              | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/14/06 | 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                | 5.4             | 1.0                | "        | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                  |                 | 98.2 %             | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 107 %              | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane        |                 | 104 %              | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-3 T601225-05 (Water)

| Analyte                                | Result          | Reporting<br>Limit | Units    | Dilution   | Batch   | Prepared | Analyzed | Method    | Notes |
|--|-----------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
|  |                 | SunStar La         | aboratoi | ries, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbo         | ns by EPA 8015m |                    |          |            |         |          |          |           |       |
| C6-C12 (GRO)                           | ND              | 50                 | ug/l     | 1          | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 92.2 %             | 65-      | 135        | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarb        | ons by 8015     |                    |          |            |         |          |          |           |       |
| Diesel Range Hydrocarbons              | ND              | 0.050              | mg/l     | 1          | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene                    |                 | 80.2 %             | 65-      | 135        | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by E</b> | CPA Method 8260 | В                  |          |            |         |          |          |           |       |
| Benzene                                | ND              | 0.50               | ug/l     | 1          | 6091225 | 09/12/06 | 09/14/06 | 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                | 67              | 1.0                | "        | "          | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                  |                 | 101 %              | 88.8     | P-117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 108 %              | 83.5     | -119       | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane        |                 | 94.8 %             | 81.1     | -136       | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-6d T601225-06 (Water)

| Analyte                                | Result          | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Note |
|--|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|------|
|  |                 | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |      |
| Purgeable Petroleum Hydrocarbo         | ns by EPA 8015m |                    |          |           |         |          |          |           |      |
| C6-C12 (GRO)                           | 230             | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |      |
| Surrogate: 4-Bromofluorobenzene        |                 | 88.8 %             | 65-      | 135       | "       | "        | "        | "         |      |
| Extractable Petroleum Hydrocarb        | ons by 8015     |                    |          |           |         |          |          |           |      |
| Diesel Range Hydrocarbons              | ND              | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |      |
| Surrogate: Chrysene                    |                 | 74.2 %             | 65-      | 135       | "       | "        | "        | "         |      |
| <b>Volatile Organic Compounds by E</b> | PA Method 8260  | В                  |          |           |         |          |          |           |      |
| Benzene                                | ND              | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/14/06 | 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                | 74              | 1.0                | "        | "         | "       | "        | "        | "         |      |
| Surrogate: Toluene-d8                  |                 | 99.0 %             | 88.8     | -117      | "       | "        | "        | "         |      |
| Surrogate: 4-Bromofluorobenzene        |                 | 110 %              | 83.5     | -119      | "       | "        | "        | "         |      |
| Surrogate: Dibromofluoromethane        |                 | 98.8 %             | 81.1     | -136      | "       | "        | "        | "         |      |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-6s T601225-07 (Water)

| Analyte                         | Result          | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------------|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|                                 |                 | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarboi | ns by EPA 8015m | l                  |          |           |         |          |          |           |       |
| C6-C12 (GRO)                    | 750             | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene |                 | 89.6 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarb | ons by 8015     |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons       | 2.4             | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m | -     |
| Surrogate: Chrysene             |                 | 79.0 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Volatile Organic Compounds by E | PA Method 8260  | В                  |          |           |         |          |          |           |       |
| Benzene                         | ND              | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/14/06 | EPA 8260B |       |
| Toluene                         | ND              | 0.50               | "        | "         | "       | "        | "        | "         |       |
| Ethylbenzene                    | 0.70            | 0.50               | "        | "         | "       | "        | "        | "         |       |
| m,p-Xylene                      | ND              | 1.0                | "        | "         | "       | "        | "        | "         |       |
| o-Xylene                        | 0.50            | 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         | 200             | 1.0                | "        | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8           |                 | 101 %              | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene |                 | 108 %              | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane |                 | 97.5 %             | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-2d T601225-08 (Water)

| Analyte                                   | Result      | Reporting<br>Limit | Units    | Dilution   | Batch   | Prepared | Analyzed | Method    | Notes |
|---|-------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
|   |             | SunStar La         | aboratoi | ries, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbons b        | y EPA 8015m | l                  |          |            |         |          |          |           |       |
| C6-C12 (GRO)                              | 230         | 50                 | ug/l     | 1          | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene           |             | 89.6 %             | 65-      | 135        | "       | "        | "        | "         |       |
| <b>Extractable Petroleum Hydrocarbons</b> | by 8015     |                    |          |            |         |          |          |           |       |
| Diesel Range Hydrocarbons                 | 1.7         | 0.050              | mg/l     | 1          | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene                       |             | 74.0 %             | 65-      | 135        | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by EPA</b>  | Method 8260 | В                  |          |            |         |          |          |           |       |
| Benzene                                   | ND          | 0.50               | ug/l     | 1          | 6091225 | 09/12/06 | 09/14/06 | 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                   | 27          | 1.0                | "        | "          | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                     |             | 102 %              | 88.8     | P-117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |             | 110 %              | 83.5     | -119       | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane           |             | 96.2 %             | 81.1     | -136       | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-2M T601225-09 (Water)

| Analyte                         | Result          | Reporting<br>Limit | Units   | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------------|-----------------|--------------------|---------|-----------|---------|----------|----------|-----------|-------|
|                                 |                 | SunStar La         | aborato | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarboi | ns by EPA 8015m | 1                  |         |           |         |          |          |           |       |
| C6-C12 (GRO)                    | 330             | 50                 | ug/l    | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene |                 | 91.0 %             | 65-     | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarb | ons by 8015     |                    |         |           |         |          |          |           |       |
| Diesel Range Hydrocarbons       | 1.9             | 0.050              | mg/l    | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene             |                 | 73.0 %             | 65-     | 135       | "       | "        | "        | "         |       |
| Volatile Organic Compounds by E | PA Method 8260  | В                  |         |           |         |          |          |           |       |
| Benzene                         | ND              | 0.50               | ug/l    | 1         | 6091225 | 09/12/06 | 09/14/06 | 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         | 22              | 1.0                | "       | "         | "       | "        | "        | II .      |       |
| Surrogate: Toluene-d8           |                 | 101 %              | 88.8    | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene |                 | 106 %              | 83.5    | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane |                 | 96.8 %             | 81.1    | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-2s T601225-10 (Water)

| Analyte                          | Result         | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------------------|----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|                                  |                | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbon  | s by EPA 8015m | 1                  |          |           |         |          |          |           |       |
| C6-C12 (GRO)                     | 190            | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene  |                | 89.0 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarbo | ons by 8015    |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons        | 11             | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene              |                | 71.2 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Volatile Organic Compounds by El | PA Method 8260 | В                  |          |           |         |          |          |           |       |
| Benzene                          | ND             | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/15/06 | 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          | 29             | 1.0                | "        | "         | "       | "        | "        | n         |       |
| Surrogate: Toluene-d8            |                | 98.8 %             | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene  |                | 108 %              | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane  |                | 98.2 %             | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

**Reported:** 09/20/06 16:57

# MW-1 T601225-11 (Water)

| Analyte                                | Result          | Reporting<br>Limit | Units   | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|--|-----------------|--------------------|---------|-----------|---------|----------|----------|-----------|-------|
|  |                 | SunStar La         | aborato | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbo         | ns by EPA 8015m | l                  |         |           |         |          |          |           |       |
| C6-C12 (GRO)                           | 920             | 50                 | ug/l    | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 92.4 %             | 65-     | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarb        | oons by 8015    |                    |         |           |         |          |          |           |       |
| Diesel Range Hydrocarbons              | ND              | 0.050              | mg/l    | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene                    |                 | 67.5 %             | 65-     | 135       | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by F</b> | EPA Method 8260 | В                  |         |           |         |          |          |           |       |
| Benzene                                | ND              | 0.50               | ug/l    | 1         | 6091225 | 09/12/06 | 09/14/06 | EPA 8260B |       |
| Toluene                                | ND              | 0.50               | "       | "         | "       | "        | "        | "         |       |
| Ethylbenzene                           | 5.3             | 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                | "       | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                  |                 | 100 %              | 88.8    | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 107 %              | 83.5    | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane        |                 | 97.5 %             | 81.1    | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-12d T601225-12 (Water)

| Analyte                                | Result          | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|--|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|  |                 | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbo         | ns by EPA 8015m |                    |          |           |         |          |          |           |       |
| C6-C12 (GRO)                           | ND              | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 100 %              | 65-      | 135       | "       | "        | "        | "         |       |
| <b>Extractable Petroleum Hydrocarb</b> | ons by 8015     |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons              | ND              | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene                    |                 | 74.5 %             | 65-      | 135       | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by E</b> | PA Method 82601 | 3                  |          |           |         |          |          |           |       |
| Benzene                                | ND              | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/14/06 | 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                | "        | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                  |                 | 101 %              | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 110 %              | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane        |                 | 94.0 %             | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-12LF T601225-13 (Water)

| Analyte                                | Result          | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|--|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|  |                 | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbon        | ns by EPA 8015m |                    |          |           |         |          |          |           |       |
| C6-C12 (GRO)                           | ND              | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 99.0 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarbo       | ons by 8015     |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons              | ND              | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene                    |                 | 75.8 %             | 65-      | 135       | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by E</b> | PA Method 8260  | В                  |          |           |         |          |          |           |       |
| Benzene                                | ND              | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/14/06 | 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                | "        | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                  |                 | 99.8 %             | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 108 %              | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane        |                 | 95.2 %             | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-11s T601225-14 (Water)

| Analyte                                | Result          | Reporting<br>Limit | Units   | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|--|-----------------|--------------------|---------|-----------|---------|----------|----------|-----------|-------|
|  |                 | SunStar La         | aborato | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbon        | ns by EPA 8015m | 1                  |         |           |         |          |          |           |       |
| C6-C12 (GRO)                           | 1400            | 50                 | ug/l    | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 95.8 %             | 65-     | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarb        | ons by 8015     |                    |         |           |         |          |          |           |       |
| <b>Diesel Range Hydrocarbons</b>       | 3.3             | 0.050              | mg/l    | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene                    |                 | 78.0 %             | 65-     | 135       | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by E</b> | PA Method 8260  | В                  |         |           |         |          |          |           |       |
| Benzene                                | ND              | 0.50               | ug/l    | 1         | 6091225 | 09/12/06 | 09/14/06 | 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                | 4.8             | 1.0                | "       | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                  |                 | 102 %              | 88.8    | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 126 %              | 83.5    | -119      | "       | "        | "        | "         | S-GC  |
| Surrogate: Dibromofluoromethane        |                 | 93.5 %             | 81.1    | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-11d T601225-15 (Water)

| Analyte                                     | Result     | Reporting<br>Limit | Units   | Dilution   | Batch   | Prepared | Analyzed | Method    | Notes |
|---|------------|--------------------|---------|------------|---------|----------|----------|-----------|-------|
|   |            | SunStar La         | aborato | ries, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbons by         | EPA 8015   | n                  |         |            |         |          |          |           |       |
| C6-C12 (GRO)                                | 33000      | 50                 | ug/l    | 1          | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene             | 20         | 000000000 %        | 65-     | 135        | "       | "        | "        | "         | S-02  |
| <b>Extractable Petroleum Hydrocarbons I</b> | oy 8015    |                    |         |            |         |          |          |           |       |
| Diesel Range Hydrocarbons                   | 210        | 0.050              | mg/l    | 1          | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene                         |            | 86.5 %             | 65-     | 135        | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by EPA M</b>  | Method 826 | 0B                 |         |            |         |          |          |           |       |
| Benzene                                     | 25         | 0.50               | ug/l    | 1          | 6091225 | 09/12/06 | 09/18/06 | EPA 8260B |       |
| Toluene                                     | 30         | 0.50               | "       | "          | "       | "        | "        | "         |       |
| Ethylbenzene                                | 28         | 0.50               | "       | "          | "       | "        | "        | "         |       |
| m,p-Xylene                                  | 47         | 1.0                | "       | "          | "       | "        | "        | "         |       |
| o-Xylene                                    | 50         | 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                     | 31         | 1.0                | "       | n          | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                       |            | 95.0 %             | 88.8    | P-117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene             |            | 92.8 %             | 83.5    | -119       | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane             |            | 116 %              | 81.1    | -136       | "       | "        | 09/14/06 | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-11LF T601225-16 (Water)

| Analyte                                   | Result      | Reporting<br>Limit | Units    | Dilution   | Batch   | Prepared | Analyzed | Method    | Notes |
|---|-------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
|   |             | SunStar La         | aboratoi | ries, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbons b        | y EPA 8015m | 1                  |          |            |         |          |          |           |       |
| C6-C12 (GRO)                              | ND          | 50                 | ug/l     | 1          | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene           |             | 96.6 %             | 65-      | 135        | "       | "        | "        | "         |       |
| <b>Extractable Petroleum Hydrocarbons</b> | by 8015     |                    |          |            |         |          |          |           |       |
| Diesel Range Hydrocarbons                 | 5.3         | 0.050              | mg/l     | 1          | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene                       |             | 67.2 %             | 65-      | 135        | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by EPA</b>  | Method 8260 | В                  |          |            |         |          |          |           |       |
| Benzene                                   | ND          | 0.50               | ug/l     | 1          | 6091225 | 09/12/06 | 09/14/06 | 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                   | 160         | 1.0                | "        | "          | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                     |             | 102 %              | 88.8     | 2-117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |             | 108 %              | 83.5     | -119       | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane           |             | 94.5 %             | 81.1     | -136       | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-9s T601225-17 (Water)

| Analyte                          | Result         | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------------------|----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|                                  |                | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbon  | s by EPA 8015m | 1                  |          |           |         |          |          |           |       |
| C6-C12 (GRO)                     | 240            | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m | -     |
| Surrogate: 4-Bromofluorobenzene  |                | 91.6 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarbo | ns by 8015     |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons        | ND             | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene              |                | 70.0 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Volatile Organic Compounds by EF | A Method 8260  | В                  |          |           |         |          |          |           |       |
| Benzene                          | ND             | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/14/06 | 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                | "        | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8            |                | 101 %              | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene  |                | 106 %              | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane  |                | 97.0 %             | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-9d T601225-18 (Water)

| Analyte                          | Result         | Reporting<br>Limit | Units   | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------------------|----------------|--------------------|---------|-----------|---------|----------|----------|-----------|-------|
|                                  |                | SunStar La         | aborato | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbon  | s by EPA 8015n | 1                  |         |           |         |          |          |           |       |
| C6-C12 (GRO)                     | 58000          | 2500               | ug/l    | 50        | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene  |                | 103 %              | 65-     | 135       | "       | "        | 09/15/06 | "         |       |
| Extractable Petroleum Hydrocarbo | ons by 8015    |                    |         |           |         |          |          |           |       |
| Diesel Range Hydrocarbons        | 5.4            | 0.050              | mg/l    | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene              |                | 70.0 %             | 65-     | 135       | "       | "        | "        | "         |       |
| Volatile Organic Compounds by El | PA Method 8260 | В                  |         |           |         |          |          |           |       |
| Benzene                          | 1800           | 2.5                | ug/l    | 5         | 6091225 | 09/12/06 | 09/15/06 | EPA 8260B |       |
| Toluene                          | 7400           | 25                 | "       | 50        | "       | "        | 09/15/06 | "         |       |
| Ethylbenzene                     | 2400           | 25                 | "       | "         | "       | "        | "        | "         |       |
| m,p-Xylene                       | 6100           | 50                 | "       | "         | "       | "        | "        | "         |       |
| o-Xylene                         | 1900           | 2.5                | "       | 5         | "       | "        | 09/15/06 | "         |       |
| Tert-amyl methyl ether           | ND             | 2.0                | "       | 1         | "       | "        | 09/14/06 | "         |       |
| 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                | "       | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8            |                | 101 %              | 88.8    | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene  |                | 117 %              | 83.5    | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane  |                | 93.0 %             | 81.1    | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-9LF T601225-19 (Water)

| Analyte                         | Result          | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------------|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|                                 |                 | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbo  | ns by EPA 8015m | 1                  |          |           |         |          |          |           |       |
| C6-C12 (GRO)                    | 1100            | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene |                 | 94.8 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarb | ons by 8015     |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons       | ND              | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene             |                 | 71.8 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Volatile Organic Compounds by E | PA Method 8260  | В                  |          |           |         |          |          |           |       |
| Benzene                         | 58              | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/15/06 | EPA 8260B |       |
| Toluene                         | 23              | 0.50               | "        | "         | "       | "        | "        | "         |       |
| Ethylbenzene                    | 31              | 0.50               | "        | "         | "       | "        | "        | "         |       |
| m,p-Xylene                      | 41              | 1.0                | "        | "         | "       | "        | "        | "         |       |
| o-Xylene                        | 17              | 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                | "        | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8           |                 | 102 %              | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene |                 | 108 %              | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane |                 | 99.8 %             | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-8 T601225-20 (Water)

| Analyte                                | Result          | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|--|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|  |                 | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbon        | is by EPA 8015m |                    |          |           |         |          |          |           |       |
| C6-C12 (GRO)                           | ND              | 50                 | ug/l     | 1         | 6091227 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 89.0 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarbo       | ons by 8015     |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons              | ND              | 0.050              | mg/l     | 1         | 6091229 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: Chrysene                    |                 | %                  | 65-      | 135       | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by E</b> | PA Method 82601 | В                  |          |           |         |          |          |           |       |
| Benzene                                | ND              | 0.50               | ug/l     | 1         | 6091225 | 09/12/06 | 09/14/06 | EPA 8260B |       |
| Toluene                                | 3.3             | 0.50               | "        | "         | "       | "        | "        | "         |       |
| Ethylbenzene                           | ND              | 0.50               | "        | "         | "       | "        | "        | "         |       |
| m,p-Xylene                             | 5.5             | 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                | "        | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                  |                 | 101 %              | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 108 %              | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane        |                 | 98.5 %             | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-7s T601225-21 (Water)

| Analyte                                | Result          | Reporting<br>Limit | Units   | Dilution   | Batch   | Prepared | Analyzed | Method    | Notes |
|--|-----------------|--------------------|---------|------------|---------|----------|----------|-----------|-------|
|  |                 | SunStar La         | aborato | ries, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbo         | ns by EPA 8015m | l                  |         |            |         |          |          |           |       |
| C6-C12 (GRO)                           | ND              | 50                 | ug/l    | 1          | 6091228 | 09/12/06 | 09/16/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 94.2 %             | 65-     | 135        | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarb        | ons by 8015     |                    |         |            |         |          |          |           |       |
| Diesel Range Hydrocarbons              | ND              | 0.050              | mg/l    | 1          | 6091230 | 09/12/06 | 09/19/06 | EPA 8015m |       |
| Surrogate: Chrysene                    |                 | 105 %              | 65-     | 135        | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by E</b> | PA Method 8260  | В                  |         |            |         |          |          |           |       |
| Benzene                                | ND              | 0.50               | ug/l    | 1          | 6091226 | 09/12/06 | 09/14/06 | 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                | "       | "          | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                  |                 | 102 %              | 88.8    | ?-117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene        |                 | 85.5 %             | 83.5    | -119       | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane        |                 | 126 %              | 81.1    | -136       | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-7d T601225-22 (Water)

| Analyte                                 | Result        | Reporting<br>Limit | Units   | Dilution   | Batch   | Prepared | Analyzed | Method    | Notes |
|---|---------------|--------------------|---------|------------|---------|----------|----------|-----------|-------|
|   |               | SunStar La         | aborato | ries, Inc. |         |          |          |           |       |
| <b>Purgeable Petroleum Hydrocarbons</b> | by EPA 8015n  | 1                  |         |            |         |          |          |           |       |
| C6-C12 (GRO)                            | 71000         | 2500               | ug/l    | 50         | 6091228 | 09/12/06 | 09/18/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene         |               | 97.0 %             | 65-     | 135        | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarbon       | ıs by 8015    |                    |         |            |         |          |          |           |       |
| Diesel Range Hydrocarbons               | 22            | 0.050              | mg/l    | 1          | 6091230 | 09/12/06 | 09/19/06 | EPA 8015m |       |
| Surrogate: Chrysene                     |               | 101 %              | 65-     | 135        | "       | "        | "        | "         |       |
| Volatile Organic Compounds by EPA       | A Method 8260 | В                  |         |            |         |          |          |           |       |
| Benzene                                 | 360           | 0.50               | ug/l    | 1          | 6091226 | 09/12/06 | 09/14/06 | EPA 8260B |       |
| Toluene                                 | 8600          | 50                 | "       | 100        | "       | "        | 09/15/06 | "         |       |
| Ethylbenzene                            | 33000         | 50                 | "       | "          | "       | "        | "        | "         |       |
| m,p-Xylene                              | 74000         | 100                | "       | "          | "       | "        | "        | "         |       |
| o-Xylene                                | 13000         | 50                 | "       | "          | "       | "        | "        | "         |       |
| Tert-amyl methyl ether                  | ND            | 2.0                | "       | 1          | "       | "        | 09/14/06 | "         |       |
| 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                | "       | "          | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                   |               | 99.2 %             | 88.8    | 2-117      | "       | "        | "        | "         | ·     |
| Surrogate: 4-Bromofluorobenzene         |               | 109 %              | 83.5    | -119       | "       | "        | 09/15/06 | "         |       |
| Surrogate: Dibromofluoromethane         |               | 111 %              | 81.1    | -136       | "       | "        | 09/14/06 | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-10s T601225-23 (Water)

| Analyte                                | Result           | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|  |                  | SunStar La         | aboratoi | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbo         | ns by EPA 8015m  |                    |          |           |         |          |          |           |       |
| C6-C12 (GRO)                           | 93               | 50                 | ug/l     | 1         | 6091228 | 09/12/06 | 09/18/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene        |                  | 90.6 %             | 65-      | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocark        | oons by 8015     |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons              | ND               | 0.050              | mg/l     | 1         | 6091230 | 09/12/06 | 09/19/06 | EPA 8015m |       |
| Surrogate: Chrysene                    |                  | 106 %              | 65-      | 135       | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by F</b> | EPA Method 82601 | В                  |          |           |         |          |          |           |       |
| Benzene                                | ND               | 0.50               | ug/l     | 1         | 6091226 | 09/12/06 | 09/14/06 | 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                | "        | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                  |                  | 92.5 %             | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene        |                  | 98.2 %             | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane        |                  | 111 %              | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-10d T601225-24 (Water)

| Analyte                           | Result        | Reporting<br>Limit | Units   | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------------|---------------|--------------------|---------|-----------|---------|----------|----------|-----------|-------|
|                                   |               | SunStar La         | aborato | ies, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarbons  | by EPA 8015n  | 1                  |         |           |         |          |          |           |       |
| C6-C12 (GRO)                      | 2400          | 50                 | ug/l    | 1         | 6091228 | 09/12/06 | 09/16/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene   |               | 88.2 %             | 65-     | 135       | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarbon | ns by 8015    |                    |         |           |         |          |          |           |       |
| Diesel Range Hydrocarbons         | ND            | 0.050              | mg/l    | 1         | 6091230 | 09/12/06 | 09/19/06 | EPA 8015m |       |
| Surrogate: Chrysene               |               | 83.8 %             | 65-     | 135       | "       | "        | "        | "         |       |
| Volatile Organic Compounds by EP  | A Method 8260 | В                  |         |           |         |          |          |           |       |
| Benzene                           | 3.9           | 0.50               | ug/l    | 1         | 6091226 | 09/12/06 | 09/14/06 | EPA 8260B |       |
| Toluene                           | 2.0           | 0.50               | "       | "         | "       | "        | "        | "         |       |
| Ethylbenzene                      | 54            | 0.50               | "       | "         | "       | "        | "        | "         |       |
| m,p-Xylene                        | 11            | 1.0                | "       | "         | "       | "        | "        | "         |       |
| o-Xylene                          | 0.89          | 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                | "       | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8             |               | 102 %              | 88.8    | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene   |               | 99.5 %             | 83.5    | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane   |               | 121 %              | 81.1    | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-10LF T601225-25 (Water)

| Analyte                         | Result          | Reporting<br>Limit | Units   | Dilution   | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------------|-----------------|--------------------|---------|------------|---------|----------|----------|-----------|-------|
|                                 |                 | SunStar La         | aborato | ries, Inc. |         |          |          |           |       |
| Purgeable Petroleum Hydrocarboi | ns by EPA 8015m | l                  |         |            |         |          |          |           |       |
| C6-C12 (GRO)                    | 780             | 50                 | ug/l    | 1          | 6091228 | 09/12/06 | 09/18/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene |                 | 94.0 %             | 65-     | 135        | "       | "        | "        | "         |       |
| Extractable Petroleum Hydrocarb | ons by 8015     |                    |         |            |         |          |          |           |       |
| Diesel Range Hydrocarbons       | ND              | 0.050              | mg/l    | 1          | 6091230 | 09/12/06 | 09/19/06 | EPA 8015m |       |
| Surrogate: Chrysene             |                 | 85.2 %             | 65-     | 135        | "       | "        | "        | "         |       |
| Volatile Organic Compounds by E | PA Method 8260  | В                  |         |            |         |          |          |           |       |
| Benzene                         | 1.7             | 0.50               | ug/l    | 1          | 6091226 | 09/12/06 | 09/14/06 | EPA 8260B |       |
| Toluene                         | 1.6             | 0.50               | "       | "          | "       | "        | "        | "         |       |
| Ethylbenzene                    | 1.7             | 0.50               | "       | "          | "       | "        | "        | "         |       |
| m,p-Xylene                      | 7.0             | 1.0                | "       | "          | "       | "        | "        | "         |       |
| o-Xylene                        | 0.78            | 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                | "       | "          | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8           |                 | 97.8 %             | 88.8    | R-117      | "       | "        | "        | "         | · ·   |
| Surrogate: 4-Bromofluorobenzene |                 | 98.0 %             | 83.5    | -119       | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane |                 | 115 %              | 81.1    | -136       | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

# MW-12s T601225-26 (Water)

| Analyte                                  | Result       | Reporting<br>Limit | Units    | Dilution  | Batch   | Prepared | Analyzed | Method    | Notes |
|--|--------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
|  |              | SunStar La         | aborator | ies, Inc. |         |          |          |           |       |
| <b>Purgeable Petroleum Hydrocarbons</b>  | by EPA 8015m | 1                  |          |           |         |          |          |           |       |
| C6-C12 (GRO)                             | 81           | 50                 | ug/l     | 1         | 6091228 | 09/12/06 | 09/15/06 | EPA 8015m |       |
| Surrogate: 4-Bromofluorobenzene          |              | 97.0 %             | 65-      | 135       | "       | "        | "        | "         |       |
| <b>Extractable Petroleum Hydrocarbon</b> | s by 8015    |                    |          |           |         |          |          |           |       |
| Diesel Range Hydrocarbons                | ND           | 0.050              | mg/l     | 1         | 6091230 | 09/12/06 | 09/19/06 | EPA 8015m |       |
| Surrogate: Chrysene                      |              | 81.0 %             | 65-      | 135       | "       | "        | "        | "         |       |
| <b>Volatile Organic Compounds by EPA</b> | Method 8260  | В                  |          |           |         |          |          |           |       |
| Benzene                                  | ND           | 0.50               | ug/l     | 1         | 6091226 | 09/12/06 | 09/14/06 | 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                | "        | "         | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8                    |              | 99.5 %             | 88.8     | -117      | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene          |              | 88.0 %             | 83.5     | -119      | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane          |              | 127 %              | 81.1     | -136      | "       | "        | "        | "         |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

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

| Analyte   | Result           | Reporting<br>Limit | Units     | Spike<br>Level   | Source<br>Result | %REC            | %REC<br>Limits       | RPD  | RPD<br>Limit | Notes |
|---|------------------|--------------------|-----------|------------------|------------------|-----------------|----------------------|------|--------------|-------|
| Batch 6091227 - EPA 5030 GC                     |                  |                    |           |                  |                  |                 |                      |      |              |       |
| Blank (6091227-BLK1)                            |                  |                    |           | Prepared:        | 09/12/06         | Analyzed        | : 09/15/06           |      |              |       |
| Surrogate: 4-Bromofluorobenzene<br>C6-C12 (GRO) | 47.7<br>ND       | 50                 | ug/l<br>" | 50.0             |                  | 95.4            | 65-135               |      |              |       |
| LCS (6091227-BS1)                               |                  |                    |           | Prepared:        | 09/12/06         | Analyzed        | 1: 09/15/06          |      |              |       |
| Surrogate: 4-Bromofluorobenzene<br>C6-C12 (GRO) | 55.7<br>5200     | 50                 | ug/l<br>" | 50.0<br>5500     |                  | <i>111</i> 94.5 | <i>65-135</i> 75-125 |      |              |       |
| Matrix Spike (6091227-MS1)                      | So               | urce: T60122       | 5-12      | Prepared:        | 09/12/06         | Analyzed        | : 09/15/06           |      |              |       |
| Surrogate: 4-Bromofluorobenzene<br>C6-C12 (GRO) | <i>52.4</i> 5370 | 50                 | ug/l<br>" | 50.0<br>5500     | ND               | 105<br>97.6     | <i>65-135</i> 65-135 |      |              |       |
| Matrix Spike Dup (6091227-MSD1)                 | So               | urce: T60122       | 5-12      | Prepared:        | 09/12/06         | Analyzed        | 1: 09/15/06          |      |              |       |
| Surrogate: 4-Bromofluorobenzene<br>C6-C12 (GRO) | <i>56.3</i> 5230 | 50                 | ug/l<br>" | <i>50.0</i> 5500 | ND               | 113<br>95.1     | <i>65-135</i> 65-135 | 2.64 | 20           |       |
| Batch 6091228 - EPA 5030 GC                     |                  |                    |           |                  |                  |                 |                      |      |              |       |
| Blank (6091228-BLK1)                            |                  |                    |           | Prepared:        | 09/12/06         | Analyzed        | 1: 09/15/06          |      |              |       |
| Surrogate: 4-Bromofluorobenzene<br>C6-C12 (GRO) | 47.9<br>ND       | 50                 | ug/l<br>" | 50.0             |                  | 95.8            | 65-135               |      |              |       |
| LCS (6091228-BS1)                               |                  |                    |           | Prepared:        | 09/12/06         | Analyzed        | 1: 09/16/06          |      |              |       |
| Surrogate: 4-Bromofluorobenzene<br>C6-C12 (GRO) | <i>59.4</i> 5000 | 50                 | ug/l<br>" | <i>50.0</i> 5500 |                  | 119<br>90.9     | <i>65-135</i> 75-125 |      |              |       |
| Matrix Spike (6091228-MS1)                      | So               | urce: T60122       | 5-26      | Prepared:        | 09/12/06         | Analyzed        | : 09/16/06           |      |              |       |
| Surrogate: 4-Bromofluorobenzene<br>C6-C12 (GRO) | 55.5<br>4820     | 50                 | ug/l<br>" | 50.0<br>5500     | 81               | 111<br>86.2     | <i>65-135</i> 65-135 |      |              |       |

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Tait -- Rancho Cordova Project: Mission Valley Rock
11280 Trade Center Drive Project Number: EM5009C

Rancho Cordova CA, 95742 Project Manager: Michael Schenone

**Reported:** 09/20/06 16:57

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

|         |        | Reporting |       | Spike | Source |      | %REC   |     | RPD   |       |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit     | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

### Batch 6091228 - EPA 5030 GC

| Matrix Spike Dup (6091228-MSD1) | Source | e: T60122 | 5-26 | Prepared: | 09/12/06 | Analyze | d: 09/16/06 |      |    |  |
|---------------------------------|--------|-----------|------|-----------|----------|---------|-------------|------|----|--|
| Surrogate: 4-Bromofluorobenzene | 53.0   |           | ug/l | 50.0      |          | 106     | 65-135      |      |    |  |
| C6-C12 (GRO)                    | 4970   | 50        | "    | 5500      | 81       | 88.9    | 65-135      | 3.06 | 20 |  |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

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

| Analyte                         | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|------|--------------|-------|
| Batch 6091229 - EPA 3510C GC    |        |                    |       |                |                  |          |                |      |              |       |
| Blank (6091229-BLK1)            |        |                    |       | Prepared:      | 09/12/06         | Analyzed | 1: 09/15/06    |      |              |       |
| Surrogate: Chrysene             | 2.78   |                    | mg/l  | 4.00           |                  | 69.5     | 65-135         |      |              |       |
| Diesel Range Hydrocarbons       | ND     | 0.050              | "     |                |                  |          |                |      |              |       |
| LCS (6091229-BS1)               |        |                    |       | Prepared:      | 09/12/06         | Analyzed | 1: 09/15/06    |      |              |       |
| Surrogate: Chrysene             | 2.78   |                    | mg/l  | 4.00           |                  | 69.5     | 65-135         |      |              |       |
| Diesel Range Hydrocarbons       | 21.4   | 0.050              | "     | 20.0           |                  | 107      | 75-125         |      |              |       |
| Matrix Spike (6091229-MS1)      | So     | urce: T60122       | 5-01  | Prepared:      | 09/12/06         | Analyzed | 1: 09/15/06    |      |              |       |
| Surrogate: Chrysene             | 3.15   |                    | mg/l  | 4.00           |                  | 78.8     | 65-135         |      |              |       |
| Diesel Range Hydrocarbons       | 20.9   | 0.050              | "     | 20.0           | ND               | 104      | 75-125         |      |              |       |
| Matrix Spike Dup (6091229-MSD1) | So     | urce: T60122       | 5-01  | Prepared:      | 09/12/06         | Analyzed | 1: 09/15/06    |      |              |       |
| Surrogate: Chrysene             | 3.16   |                    | mg/l  | 4.00           |                  | 79.0     | 65-135         |      |              |       |
| Diesel Range Hydrocarbons       | 22.3   | 0.050              | "     | 20.0           | ND               | 112      | 75-125         | 6.48 | 20           |       |
| Batch 6091230 - EPA 3510C GC    |        |                    |       |                |                  |          |                |      |              |       |
| Blank (6091230-BLK1)            |        |                    |       | Prepared:      | 09/12/06         | Analyzed | 1: 09/19/06    |      |              |       |
| Surrogate: Chrysene             | 4.24   |                    | mg/l  | 4.00           |                  | 106      | 65-135         |      |              |       |
| Diesel Range Hydrocarbons       | ND     | 0.050              | "     |                |                  |          |                |      |              |       |
| LCS (6091230-BS1)               |        |                    |       | Prepared:      | 09/12/06         | Analyzed | 1: 09/19/06    |      |              |       |
| Surrogate: Chrysene             | 3.27   |                    | mg/l  | 4.00           |                  | 81.8     | 65-135         |      |              |       |
| Diesel Range Hydrocarbons       | 16.5   | 0.050              | "     | 20.0           |                  | 82.5     | 75-125         |      |              |       |
| Matrix Spike (6091230-MS1)      | So     | urce: T60122       | 5-21  | Prepared:      | 09/12/06         | Analyzed | 1: 09/19/06    |      |              |       |
| Surrogate: Chrysene             | 3.08   | <u> </u>           | mg/l  | 4.00           | ·                | 77.0     | 65-135         | ·    | ·            | ·     |
| Diesel Range Hydrocarbons       | 20.2   | 0.050              | "     | 20.0           | ND               | 101      | 75-125         |      |              |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

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

|         |        | Reporting |       | Spike | Source |      | %REC   |     | RPD   |       |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit     | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

### Batch 6091230 - EPA 3510C GC

| Matrix Spike Dup (6091230-MSD1) | Sour | Source: T601225-21 |      |      | Prepared: 09/12/06 Analyzed: 09/19/06 |      |        |      |    |  |
|---------------------------------|------|--------------------|------|------|---------------------------------------|------|--------|------|----|--|
| Surrogate: Chrysene             | 3.47 |                    | mg/l | 4.00 |                                       | 86.8 | 65-135 |      |    |  |
| Diesel Range Hydrocarbons       | 17.1 | 0.050              | "    | 20.0 | ND                                    | 85.5 | 75-125 | 16.6 | 20 |  |

SunStar Laboratories, Inc.

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Project: Mission Valley Rock

Spike

Source

%REC

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

**RPD** 

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

Reporting

| Analyte                         | Result | Limit        | Units | Level     | Result   | %REC    | Limits      | RPD | Limit | Notes |
|---------------------------------|--------|--------------|-------|-----------|----------|---------|-------------|-----|-------|-------|
| Batch 6091225 - EPA 5030 GCMS   |        |              |       |           |          |         |             |     |       |       |
| Blank (6091225-BLK1)            |        |              |       | Prepared: | 09/12/06 | Analyze | d: 09/14/06 |     |       |       |
| Surrogate: Toluene-d8           | 40.5   |              | ug/l  | 40.0      |          | 101     | 88.8-117    |     |       |       |
| Surrogate: 4-Bromofluorobenzene | 42.9   |              | "     | 40.0      |          | 107     | 83.5-119    |     |       |       |
| Surrogate: Dibromofluoromethane | 37.5   |              | "     | 40.0      |          | 93.8    | 81.1-136    |     |       |       |
| 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 (6091225-BS1)               |        |              |       | Prepared: | 09/12/06 | Analyze | d: 09/15/06 |     |       |       |
| Surrogate: Toluene-d8           | 41.5   |              | ug/l  | 40.0      |          | 104     | 88.8-117    |     |       |       |
| Surrogate: 4-Bromofluorobenzene | 44.4   |              | "     | 40.0      |          | 111     | 83.5-119    |     |       |       |
| Surrogate: Dibromofluoromethane | 39.4   |              | "     | 40.0      |          | 98.5    | 81.1-136    |     |       |       |
| Benzene                         | 79.0   | 0.50         | "     | 100       |          | 79.0    | 75-125      |     |       |       |
| Toluene                         | 82.1   | 0.50         | "     | 100       |          | 82.1    | 75-125      |     |       |       |
| Matrix Spike (6091225-MS1)      | So     | urce: T60122 | 25-12 | Prepared: | 09/12/06 | Analyze | d: 09/15/06 |     |       |       |
| Surrogate: Toluene-d8           | 40.9   |              | ug/l  | 40.0      |          | 102     | 88.8-117    |     |       |       |
| Surrogate: 4-Bromofluorobenzene | 42.8   |              | "     | 40.0      |          | 107     | 83.5-119    |     |       |       |
| Surrogate: Dibromofluoromethane | 37.8   |              | "     | 40.0      |          | 94.5    | 81.1-136    |     |       |       |
| Benzene                         | 83.2   | 0.50         | "     | 100       | ND       | 83.2    | 75-125      |     |       |       |
| Toluene                         | 85.2   | 0.50         | "     | 100       | ND       | 85.2    | 75-125      |     |       |       |
|                                 |        |              |       |           |          |         |             |     |       |       |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

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

| Analyte                         | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|------|--------------|-------|
| Batch 6091225 - EPA 5030 GCMS   |        |                    |       |                |                  |          |                |      |              |       |
| Matrix Spike Dup (6091225-MSD1) | So     | urce: T60122       | 5-12  | Prepared:      | 09/12/06         | Analyzed | d: 09/15/06    |      |              |       |
| Surrogate: Toluene-d8           | 41.6   |                    | ug/l  | 40.0           |                  | 104      | 88.8-117       |      |              |       |
| Surrogate: 4-Bromofluorobenzene | 43.2   |                    | "     | 40.0           |                  | 108      | 83.5-119       |      |              |       |
| Surrogate: Dibromofluoromethane | 41.1   |                    | "     | 40.0           |                  | 103      | 81.1-136       |      |              |       |
| Benzene                         | 86.7   | 0.50               | "     | 100            | ND               | 86.7     | 75-125         | 4.12 | 20           |       |
| Toluene                         | 88.0   | 0.50               | "     | 100            | ND               | 88.0     | 75-125         | 3.23 | 20           |       |
| Batch 6091226 - EPA 5030 GCMS   |        |                    |       |                |                  |          |                |      |              |       |
| Blank (6091226-BLK1)            |        |                    |       | Prepared:      | 09/12/06         | Analyzed | d: 09/14/06    |      |              |       |
| Surrogate: Toluene-d8           | 40.0   |                    | ug/l  | 40.0           |                  | 100      | 88.8-117       |      |              |       |
| Surrogate: 4-Bromofluorobenzene | 36.4   |                    | "     | 40.0           |                  | 91.0     | 83.5-119       |      |              |       |
| Surrogate: Dibromofluoromethane | 51.8   |                    | "     | 40.0           |                  | 130      | 81.1-136       |      |              |       |
| 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 (6091226-BS1)               |        |                    |       | Prepared:      | 09/12/06         | Analyzed | d: 09/15/06    |      |              |       |
| Surrogate: Toluene-d8           | 41.1   |                    | ug/l  | 40.0           |                  | 103      | 88.8-117       |      |              |       |
| Surrogate: 4-Bromofluorobenzene | 36.3   |                    | "     | 40.0           |                  | 90.8     | 83.5-119       |      |              |       |
| Surrogate: Dibromofluoromethane | 46.2   |                    | "     | 40.0           |                  | 116      | 81.1-136       |      |              |       |
| Benzene                         | 101    | 0.50               | "     | 100            |                  | 101      | 75-125         |      |              |       |
| Toluene                         | 99.0   | 0.50               | "     | 100            |                  | 99.0     | 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.

Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 09/20/06 16:57

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

|         |        | Reporting |       | Spike | Source |      | %REC   |     | RPD   |       |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit     | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Datah 6 | 5001226 - | $\mathbf{F}\mathbf{D}\mathbf{A}$ | 5020 | CCMC |
|---------|-----------|----------------------------------|------|------|

| Matrix Spike (6091226-MS1)      | Sour | Source: T601225-26 |      |           | Prepared: 09/12/06 Analyzed: 09/14/06 |         |             |      |    |  |
|---------------------------------|------|--------------------|------|-----------|---------------------------------------|---------|-------------|------|----|--|
| Surrogate: Toluene-d8           | 41.7 |                    | ug/l | 40.0      |                                       | 104     | 88.8-117    |      |    |  |
| Surrogate: 4-Bromofluorobenzene | 38.7 |                    | "    | 40.0      |                                       | 96.8    | 83.5-119    |      |    |  |
| Surrogate: Dibromofluoromethane | 46.7 |                    | "    | 40.0      |                                       | 117     | 81.1-136    |      |    |  |
| Benzene                         | 114  | 0.50               | "    | 100       | ND                                    | 114     | 75-125      |      |    |  |
| Toluene                         | 102  | 0.50               | "    | 100       | ND                                    | 102     | 75-125      |      |    |  |
| Matrix Spike Dup (6091226-MSD1) | Sour | ce: T60122         | 5-26 | Prepared: | 09/12/06                              | Analyze | d: 09/14/06 |      |    |  |
| Surrogate: Toluene-d8           | 42.4 |                    | ug/l | 40.0      |                                       | 106     | 88.8-117    |      |    |  |
| Surrogate: 4-Bromofluorobenzene | 38.5 |                    | "    | 40.0      |                                       | 96.2    | 83.5-119    |      |    |  |
| Surrogate: Dibromofluoromethane | 46.8 |                    | "    | 40.0      |                                       | 117     | 81.1-136    |      |    |  |
| Benzene                         | 123  | 0.50               | "    | 100       | ND                                    | 123     | 75-125      | 7.59 | 20 |  |
| Toluene                         | 110  | 0.50               | "    | 100       | ND                                    | 110     | 75-125      | 7.55 | 20 |  |

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Tait -- Rancho CordovaProject: Mission Valley Rock11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone09/20/06 16:57

#### **Notes and Definitions**

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

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

present in the sample extract.

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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