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Alameda County Environmental Health

Fourth Quarter 2007 Groundwater Monitoring and Sampling Report

Mission Valley Rock Company 7999 Athenour Way Sunol, California

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

February 14, 2008



February 14, 2008

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: FOURTH QUARTER 2007

GROUNDWATER MONITORING AND SAMPLING REPORT

MISSION VALLEY ROCK COMPANY

7999 ATHENOUR WAY, SUNOL, CALIFORNIA

Dear Mr. Wickham,

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

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

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

Sincerely,

Lee W. Cover

Environmental Manager

Hanson Aggregates Mid-Pacific, Inc.

Lee W. Com

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

February 14, 2008

Fourth Quarter 2007 Groundwater Monitoring and Sampling Report

Mission Valley Rock Company 7999 Athenour Way Sunol, California

Prepared for:

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

Prepared by:

Michael Schenone

Michael Schenone Project Scientist

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Project No. EM-5009C

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

1.0 INTRODUCTION

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

2.0 OBJECTIVE AND SCOPE OF WORK

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

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

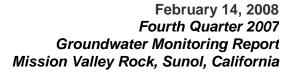
- Groundwater Monitoring & Sampling
- Laboratory Analyses
- Report Preparation
- Non-hazardous Waste Disposal

3.0 BACKGROUND

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

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

In January 2005, eight additional soil borings were advanced at the site using a hollow-stem auger drill rig. Six of the borings were converted to single-, double-, and triple-completion groundwater monitoring wells for a total of 12 wells (MW-2S, MW-2M, MW-2D, MW-4S, MW-4D, MW-5S, MW-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.

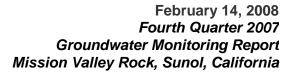
The wells installed by LFR were surveyed and added to the groundwater monitoring and sampling schedule during the Second Quarter 2006. Data concerning the wells installed in April and May 2006 were provided to TEM by LFR. Quarterly groundwater monitoring and sampling have been conducted by TEM from the Fourth Quarter 2000 through the present, excluding the 2004 calendar year.

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

4.0 SITE HYDROGEOLOGY

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

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





Groundwater levels are measured from the shallow-zone, deep-zone, and Livermore Formation wells. With the exception of the area of MW-4 and MW-10, the levels are generally similar between the zones, and the groundwater zones appear to be generally hydraulically continuous.

Based on the Fourth Quarter 2007 groundwater monitoring data, the overall depth to groundwater at the site ranged from 5.06 feet bgs in well MW-9S to 9.73 feet bgs in well MW-10LF. Relative to the Third Quarter 2007 groundwater monitoring event, groundwater levels declined in the majority of the wells. However, water levels in wells MW-1, MW-7S, MW-7D, MW-8, MW-9S, MW-10S, MW-11D, MW-12S, MW-12D, and MW-12LF have increased relative to their respective Third Quarter 2007 levels. In general, overall groundwater levels have declined an average of 0.06 feet in the wells relative to the Third Quarter 2007 monitoring event (Tait, 2007).

Groundwater in the shallow-zone wells in the southern and western parts of the site is generally flowing in a southeasterly direction at an approximate gradient of 0.012 foot/foot (ft/ft). In the northeastern part of the site, this direction appears to be affected by a groundwater mound in the area of wells MW-4S and MW-10S (Figure 3). In this area, shallow-zone groundwater is flowing in a southwesterly direction away from the mound at a gradient of approximately 0.057 ft/ft.

Groundwater in the deep-zone wells is flowing in a general southeasterly direction at a gradient of approximately 0.010 ft/ft (Figure 4).

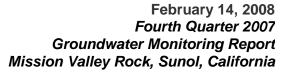
Groundwater in the Livermore Formation is flowing in a general easterly direction a gradient of approximately 0.017 ft/ft (Figure 5).

With the exception of well MW-12S, where groundwater levels were lower than those measured in wells MW-12D and MW-12LF, vertical gradients were directed downward during the Fourth Quarter 2007.

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

5.0 GROUNDWATER MONITORING WELL PURGING AND SAMPLING

On December 10, 2007, static groundwater levels were measured and recorded in the on-site groundwater monitoring wells using an electrical product/water interface meter. Water levels were measured relative to the top of the well casing (representing the wellhead survey point). Prior to use at each well, the meter was decontaminated with a mild detergent solution and two





de-ionized water rinses. Groundwater gauging and elevation data for the Fourth Quarter 2007 event are summarized in Table 1. Historical groundwater elevation data are summarized in Table 2. Groundwater sampling data sheets are presented in Appendix B.

On December 10, 11, and 12, 2007, the groundwater monitoring wells were purged using low-flow (micro-purge) techniques. A portable Barant peristaltic low-flow pump was employed as part of the Fourth Quarter 2007 groundwater monitoring and sampling event. The Barant peristallic pump is a portable pump that uses a rotating pump head and flexible tubing to create peristaltic pumping action. Dedicated 1/8-inch polyethylene tubing was used for each well, and the tubing was left in the well as dedicated tubing following sampling activities. The Barant pump does not come in contact with groundwater, and therefore, eliminates the need for decontamination. The tubing inlet was placed into the well approximately in the middle of the screened interval.

Groundwater samples were collected from 26 wells at the site. Samples were collected once field parameters had stabilized following three successful readings. Based on the sampling method employed, it was determined that equipment blank samples were not required. Groundwater samples were collected from the discharge end of the pump tubing at low-flow levels and transferred into laboratory-supplied containers. Care was taken to ensure that no headspace was present in the containers. Following sample collection, the samples were labeled, placed into an ice-chilled cooler (4°C), and transported under chain-of-custody protocols to SunStar Laboratories, Inc. (SunStar), a State-Certified laboratory (ELAP No. 2250) for chemical analysis. In addition to the groundwater samples, a trip blank sample (MW-1T) was included with the samples for quality assurance/quality control (QA/QC) purposes.

Approximately 10 gallons of purged groundwater were pumped into a steel 55-gallon drum during the Fourth Quarter 2007 sampling event. Integrated Waste Management of Milpitas, California provided pick-up services for the drummed purge water generated by the sampling activities. The drum was transported and disposed as non-hazardous water at Seaport Refining & Environmental in Redwood City, California on December 18, 2007. The Certificate of Disposal is contained in Appendix C.

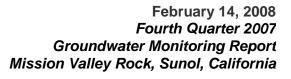
6.0 LABORATORY ANALYSES

The groundwater samples collected during the Fourth Quarter 2007 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; for benzene, toluene, ethylbenzene, total xylenes (BTEX); and for methyl tertiary butyl ether (MTBE), and the other fuel oxygenates tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), disopropyl 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 6, 7, and 8, respectively. Contoured dissolved-phase MTBE concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 9, 10, and 11, respectively. Contoured dissolved-

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phase benzene concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 12, 13, and 14, respectively.

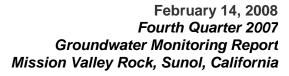
7.0 SUMMARY OF ACTIVITIES AND FINDINGS

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

- Based on the depth to water measurements obtained by TEM, groundwater levels have declined an average of 0.06 feet this quarter relative to the corresponding Third Quarter 2007 groundwater levels.
- The groundwater flow direction for the shallow zone ranges from southeasterly to southwesterly at gradients ranging from 0.012 to 0.057 ft/ft, respectively.
- Groundwater in the deep zone is flowing toward the southeast at a gradient of about 0.010 ft/ft.
- Groundwater in the Livermore Formation is flowing in an easterly direction at a gradient of 0.017 ft/ft.
- The mounding effect in the area of wells MW-4S and MW-10s cannot be adequately explained by any specific mechanism and may be a combination of factors, including excavation and pumping operations related to aggregate extraction during the Fourth Quarter of 2007. The mounding may be potentially related to the former pit located east of the site that has been filled in over time by fine sediments settling out of the wash water and likely is less permeable than the rest of the site.
- Twenty-six groundwater samples and one trip blank sample were collected by TEM from the monitoring wells at the site, and they were delivered to SunStar for analysis.
- A maximum TPHd concentration of 48,000 micrograms per liter (μg/L) was detected in well MW-11D. Highest TPHd concentrations appear to be localized in deep-zone wells in the central and southern parts of the area extending from well MW-11D in the south to MW-9D in the north, as well as in the area of shallow zone wells MW-2S and MW-6S.
- A maximum TPHg concentration of 57,000 μg/L was detected in well MW-9D. Highest concentrations of TPHg appear to be localized in the deep-zone wells in the north-central part of the area, particularly in the vicinity of wells MW-7D and MW-9D, and in the vicinity of well MW-11D in the south-central part of the area (Figure 7).
- A maximum MTBE concentration of 86 µg/L was detected in well MW-11LF. MTBE is localized in the central and southern parts of the area in the vicinity of wells MW-2, MW-6, MW-10, and MW-11 (Figures 9, 10, and 11). MTBE is notably absent in well clusters MW-7 and MW-9 in the northern part of the area.

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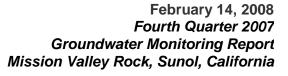


- A maximum benzene concentration of 880 µg/L was detected in well MW-9D. Benzene tends to be localized in the deep-zone wells in the northern part of the area in the vicinity of wells MW-7D and MW-9D (Figure 13).
- Concentration trends of toluene, ethylbenzene, and total xylenes are similar to those of benzene.
- TBA was not detected in any of the wells during the Fourth Quarter 2007.
- In general, TPHg and BTEX tend to be localized in the groundwater in the northern part of the area, upgradient of the former USTs, whereas MTBE concentrations tend to be localized in the groundwater in the central and southern parts of the area, downgradient of the former USTs. Fluctuating groundwater conditions may have occurred at the site in the past, resulting in variable migration pathways for the fuel hydrocarbons in the groundwater.
- There is some variability between the Third Quarter 2007 and Fourth Quarter 2007 fuel hydrocarbon concentration trends; however, overall concentrations generally tended to be somewhat higher relative to the Third Quarter of 2007 levels.
- The concentrations of hydrocarbons in groundwater indicate that the deep zone is the most impacted zone at the site.
- The trip blank sample (MW-1T) contained no detectable concentrations of fuel hydrocarbons.

8.0 QUALITY ASSURANCE/QUALITY CONTROL

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

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





9.0 REFERENCES

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

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

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

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

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

Tait Environmental Management, November 14, 2007, Third Quarter 2007 Groundwater Monitoring and Sampling Report, Mission Valley Rock Company, 7999 Athenour Way, Sunol, California.

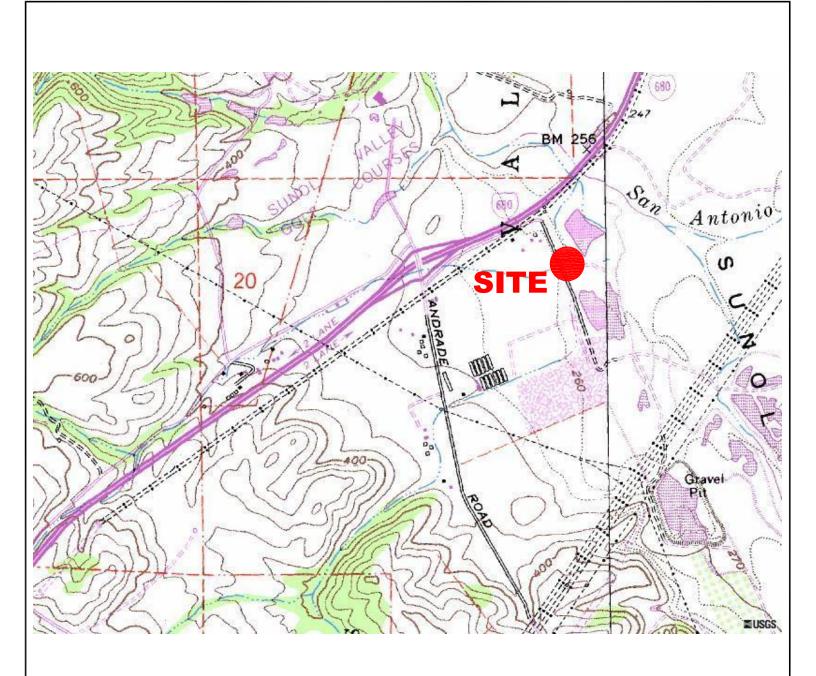
U.S. Geological Survey (USGS), 1989, Fremont 7.5 Minute Topographic Quadrangle Map, 1:24,000.

10.0 LIMITATIONS

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

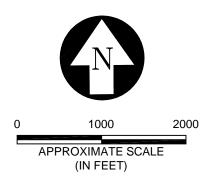
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NOTES:

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





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

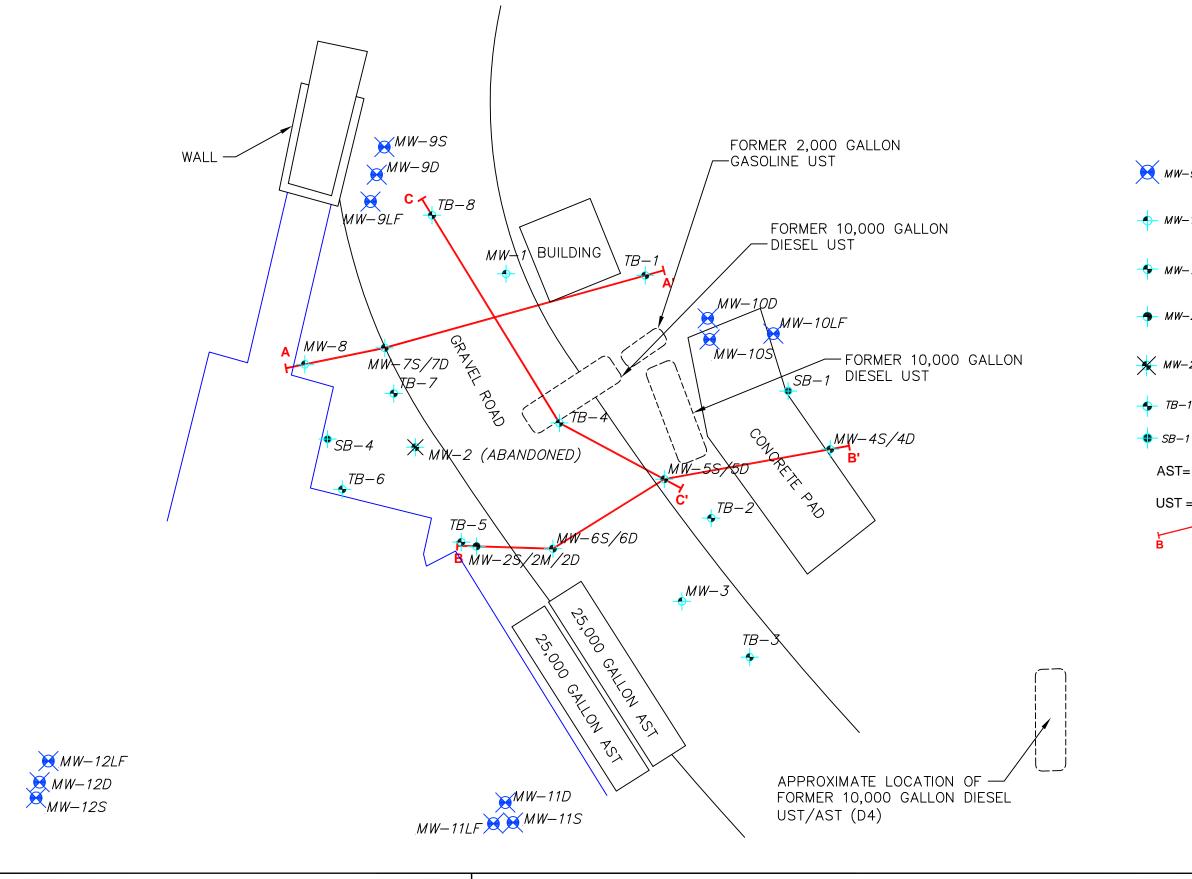
SITE VICINITY MAP

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.) 7999 ATHENOUR WAY SUNOL, CALIFORNIA DRAWN BY: N.M.

REVIEWED BY: P.M.

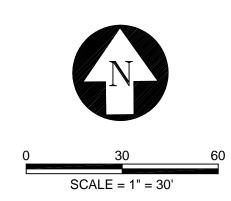
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DATE: JANUARY 2008



EXPLANATION

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





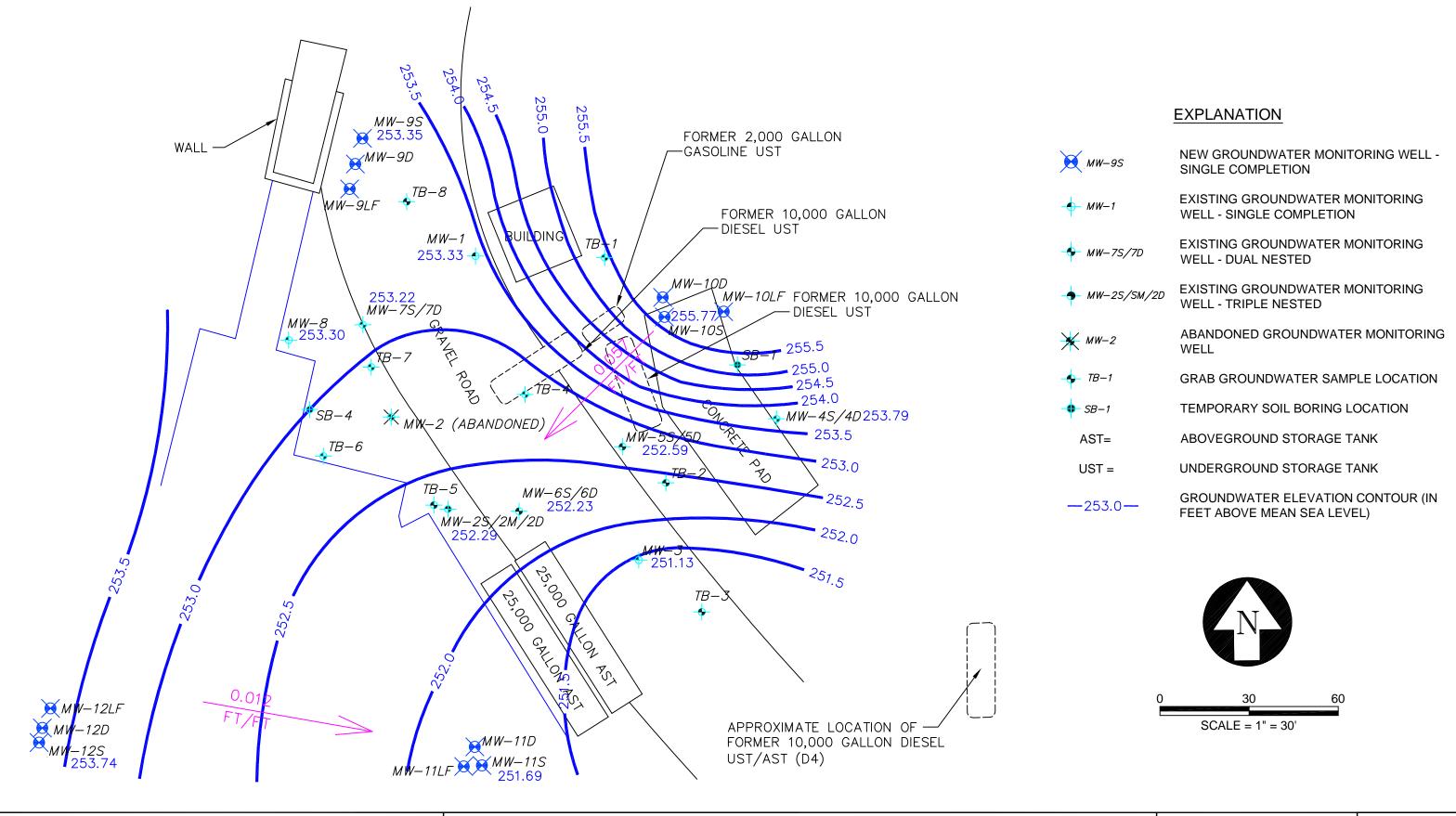
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SITE PLAN

FOURTH QUARTER 2007

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7999 ATHENOUR WAY, SUNOL, CALIFORNIA

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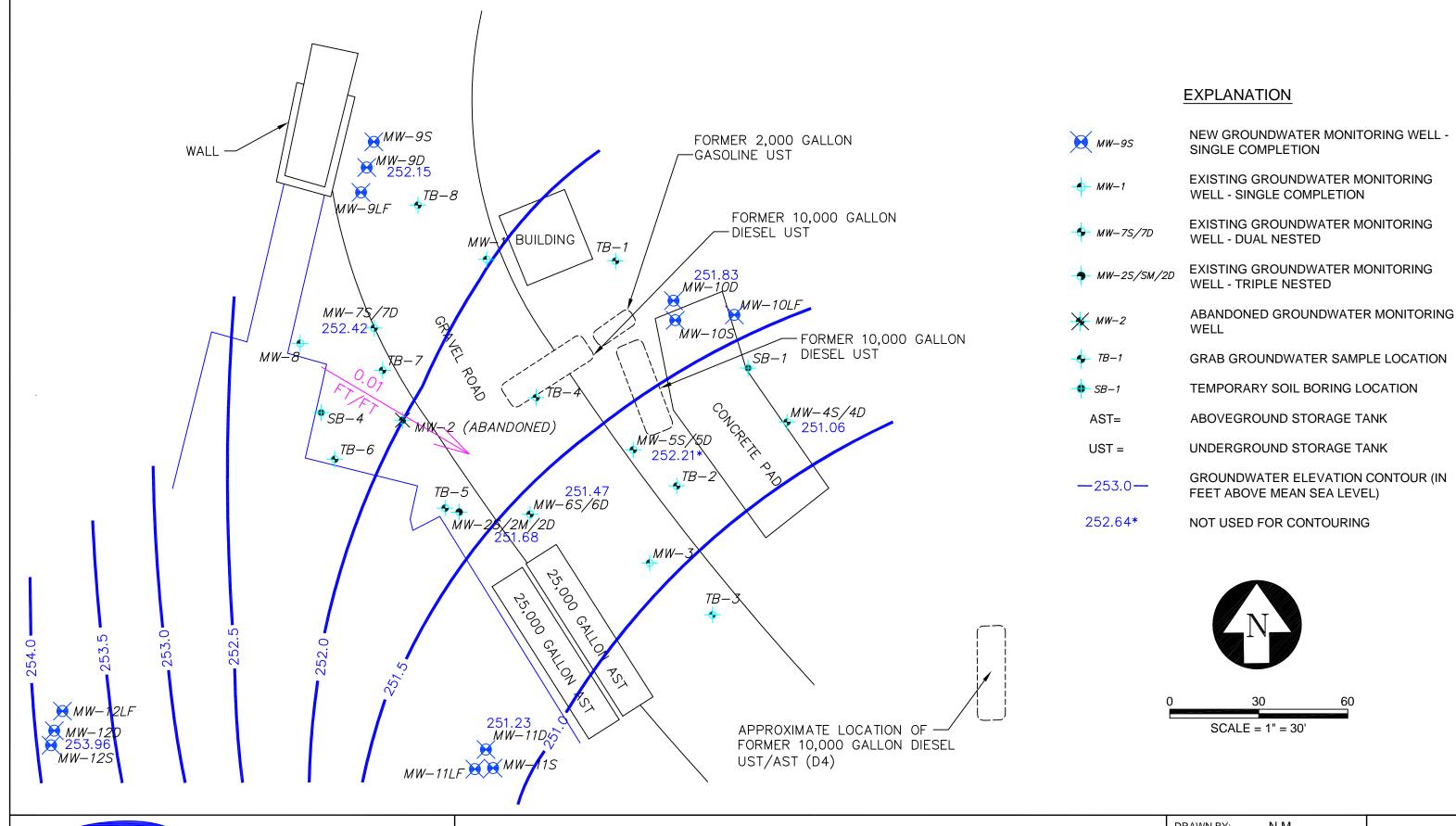


GROUNDWATER CONTOUR MAP (SHALLOW ZONE)

FOURTH QUARTER 2007

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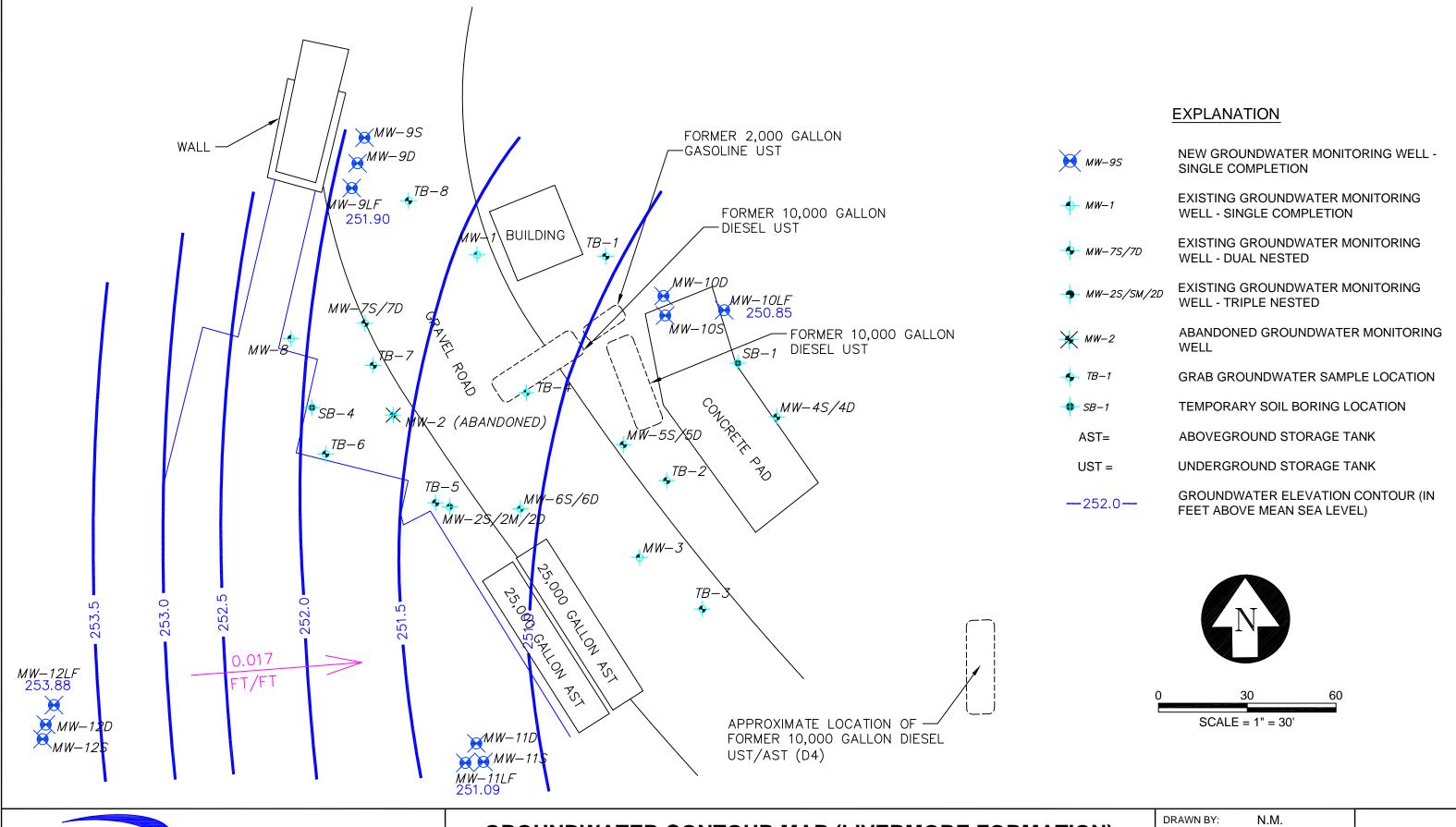
MANAGEMENT, INC.

GROUNDWATER CONTOUR MAP (DEEP ZONE)

FOURTH QUARTER 2007

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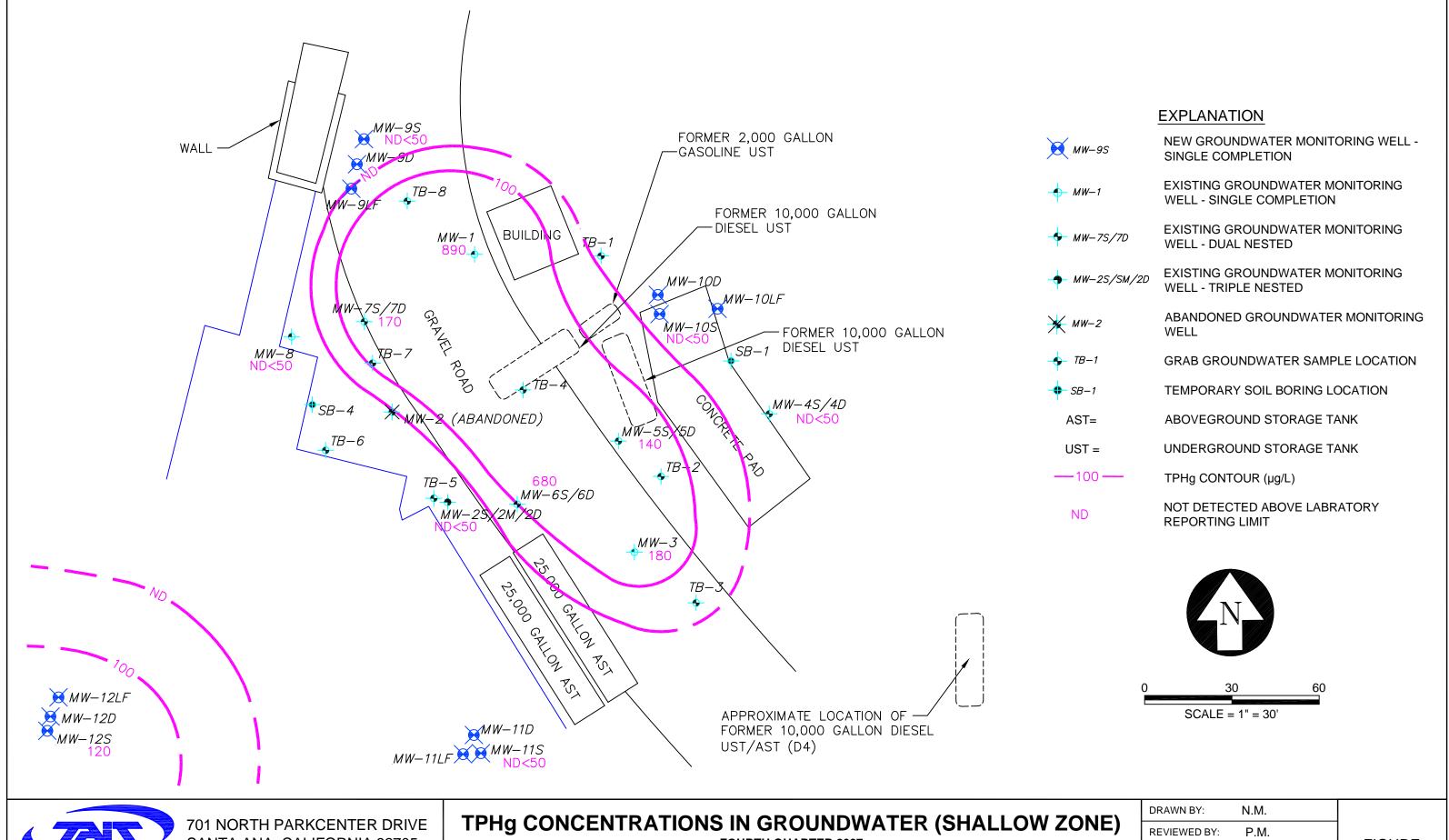


GROUNDWATER CONTOUR MAP (LIVERMORE FORMATION)

FOURTH QUARTER 2007

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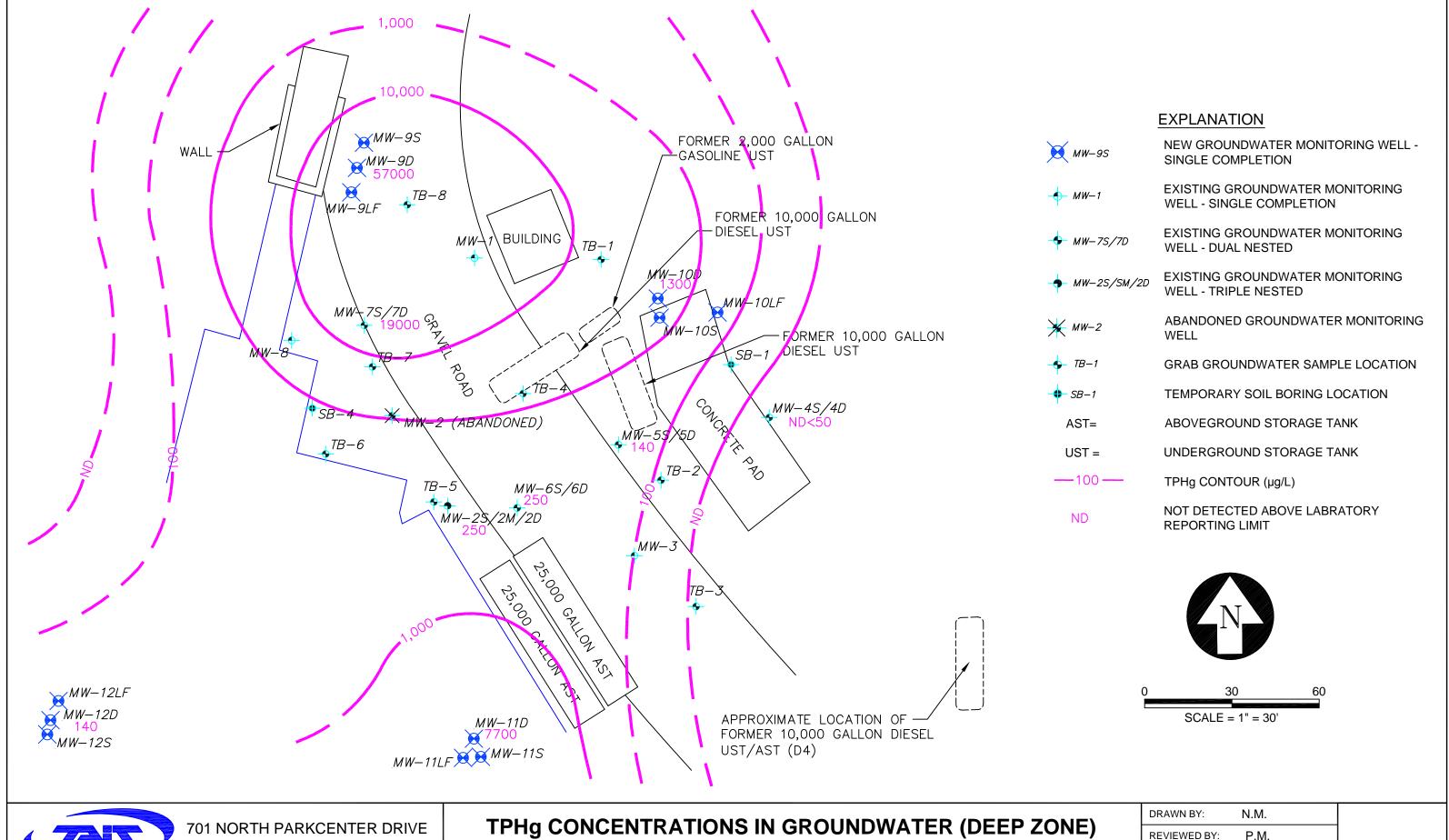
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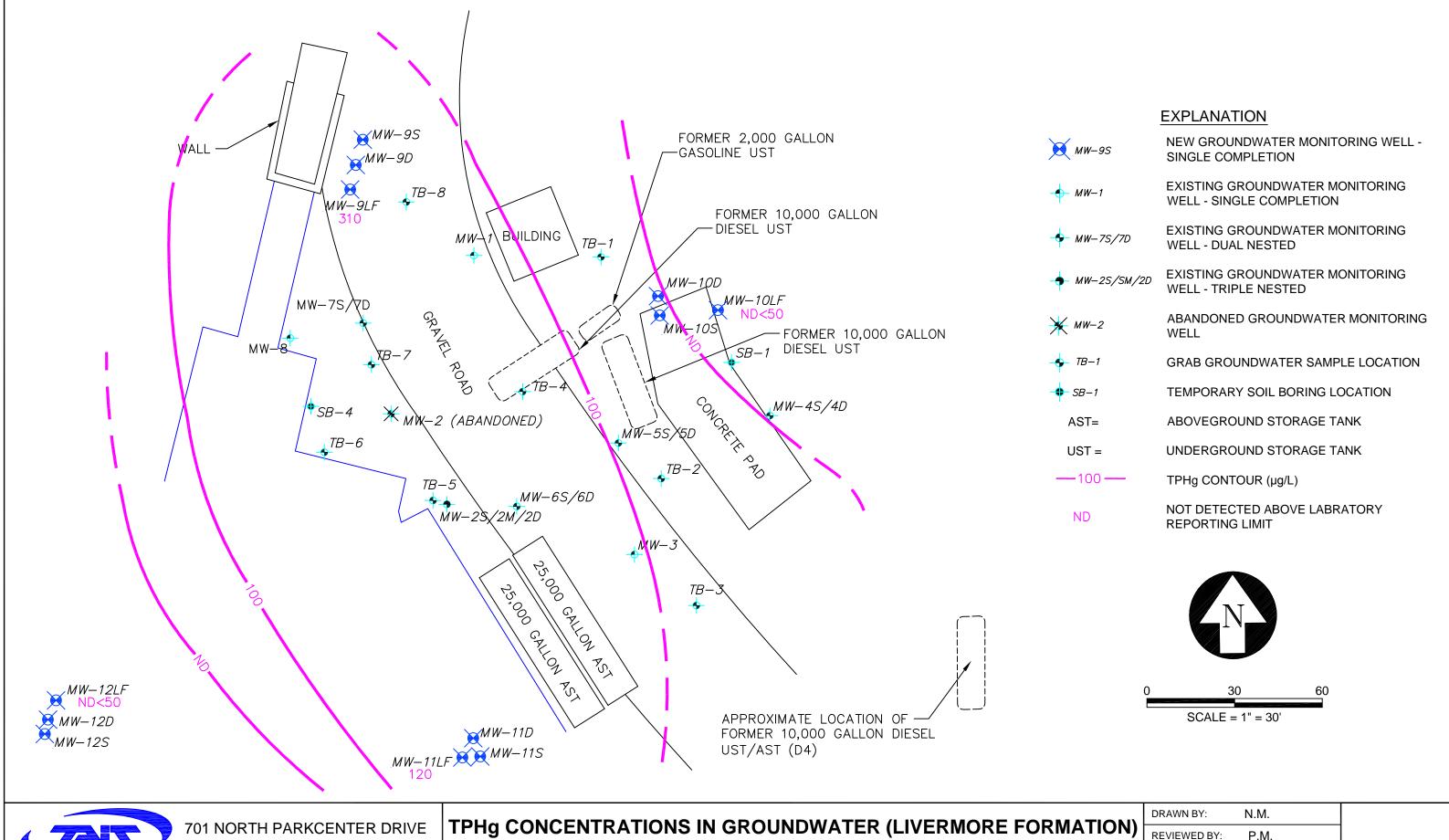
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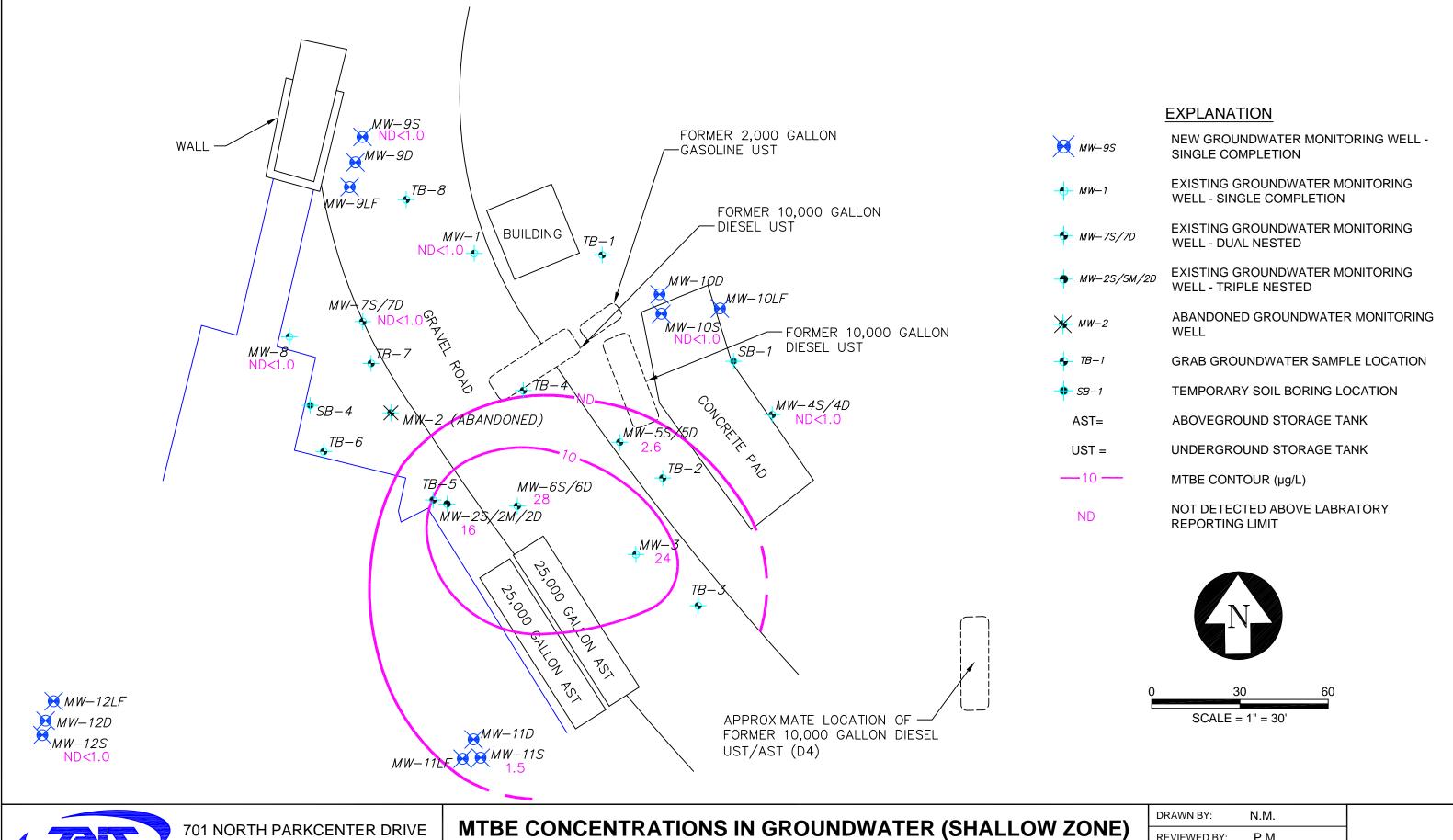


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FOURTH QUARTER 2007

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| | DATE: , | JANUARY 2008 | |
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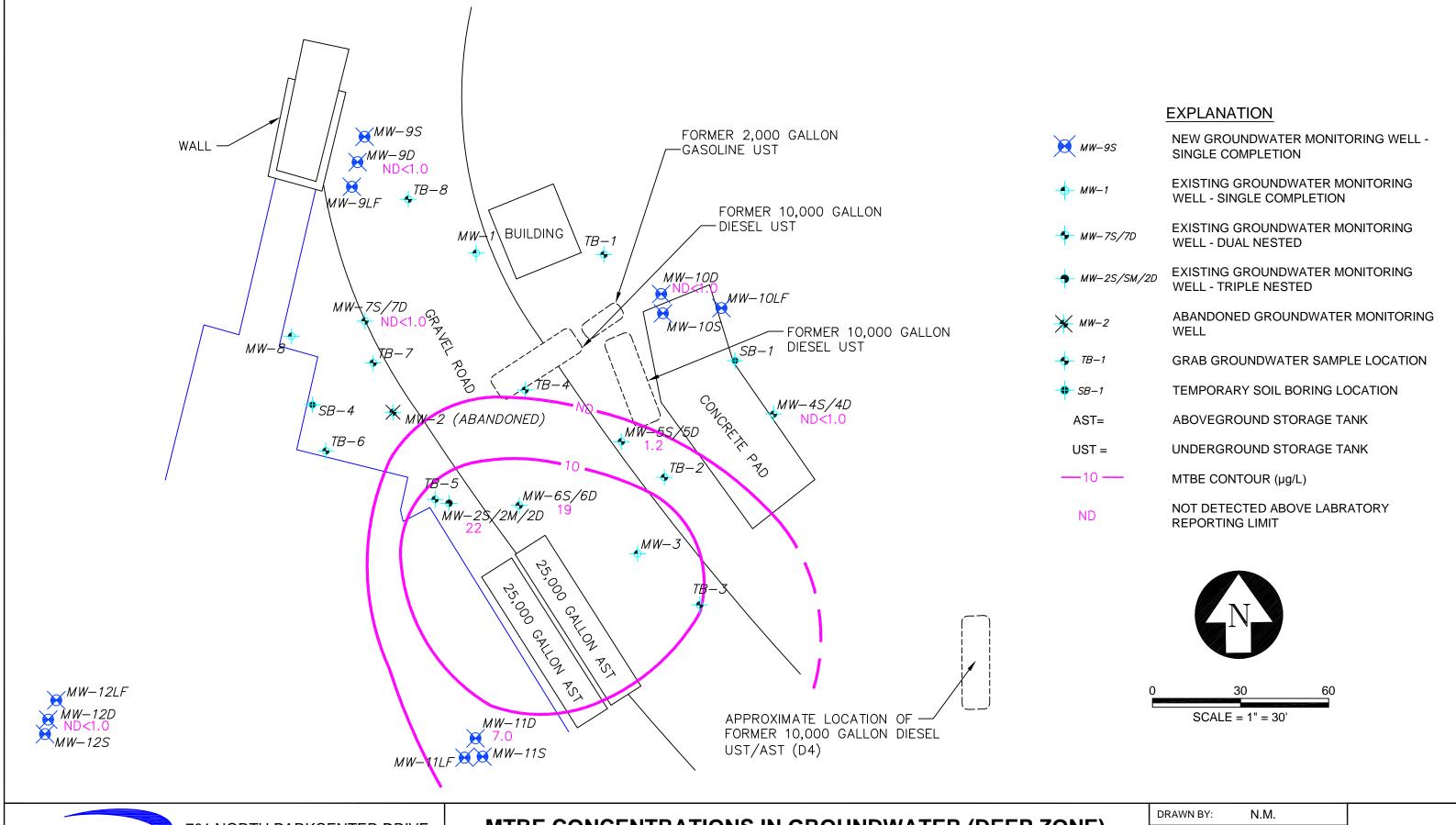


SANTA ANA, CALIFORNIA 92705 (714) 560-8200 (714) 560-8235 FAX

FOURTH QUARTER 2007

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

| DRAWN BY: | N.M. |
|-----------|--------------|
| REVIEWED | BY: P.M. |
| PROJECT: | EM5009C |
| DATE: | JANUARY 2008 |
| | |



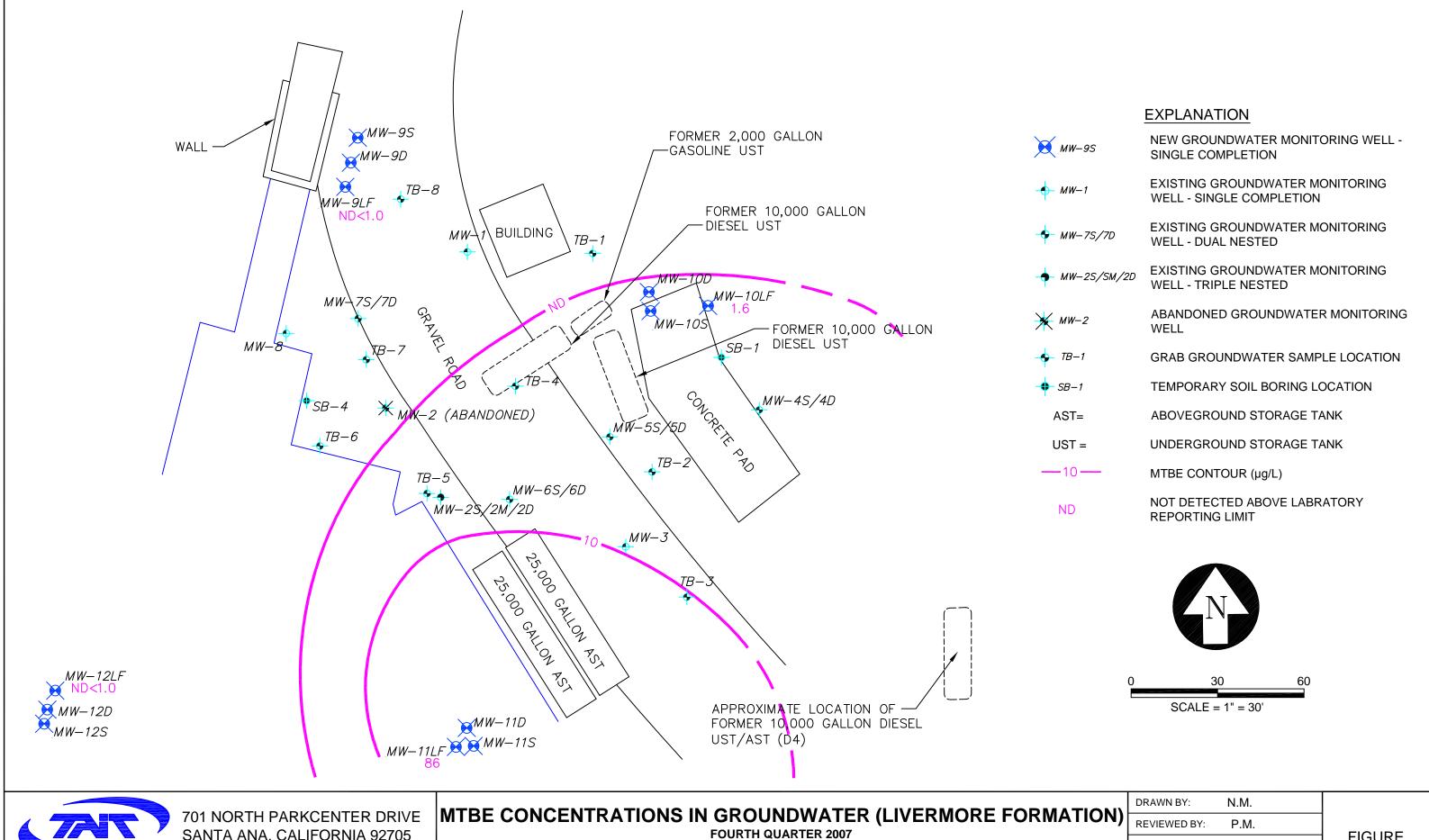


MTBE CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)

FOURTH QUARTER 2007

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

| DRAWN BY: | N.M. |
|------------|--------------|
| REVIEWED E | BY: P.M. |
| PROJECT: | EM5009C |
| DATE: | JANUARY 2008 |
| | |

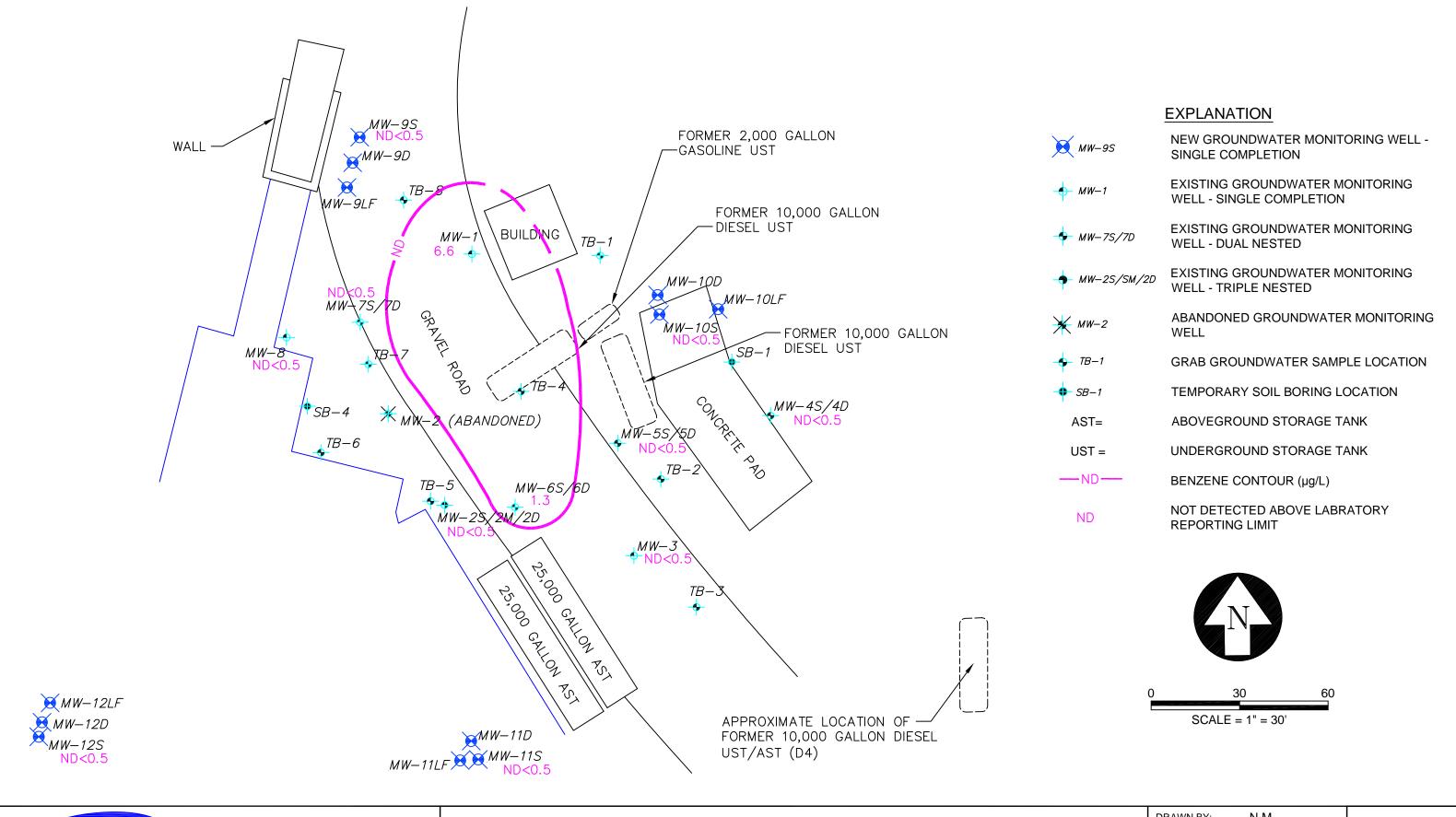


ENVIRONMENTAL MANAGEMENT, INC.

SANTA ANA, CALIFORNIA 92705 (714) 560-8200 (714) 560-8235 FAX

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

| | DRAWN BY: | N.M. |
|----|-------------|-------------|
| ۱) | REVIEWED BY | : P.M. |
| | PROJECT: | EM5009C |
| | DATE: J | ANUARY 2008 |
| | | |



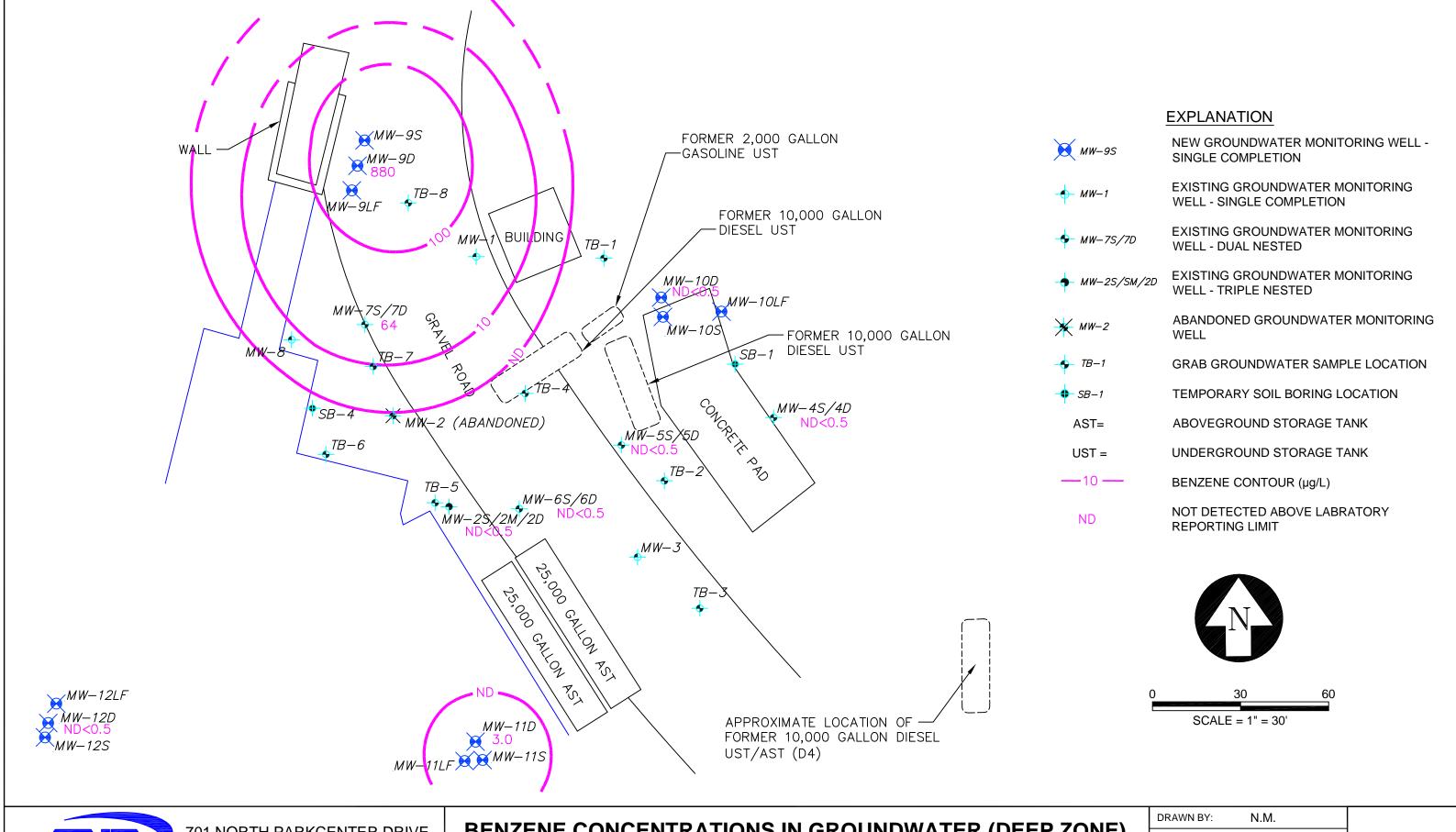


BENZENE CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)

FOURTH QUARTER 2007

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

| ` | DRAWN BY: | | N.M. | |
|----|--------------|-----|------------|--|
| •) | REVIEWED BY: | | P.M. | |
| | PROJECT: | | EM5009C | |
| | DATE: | JAN | NUARY 2008 | |
| | | | | |



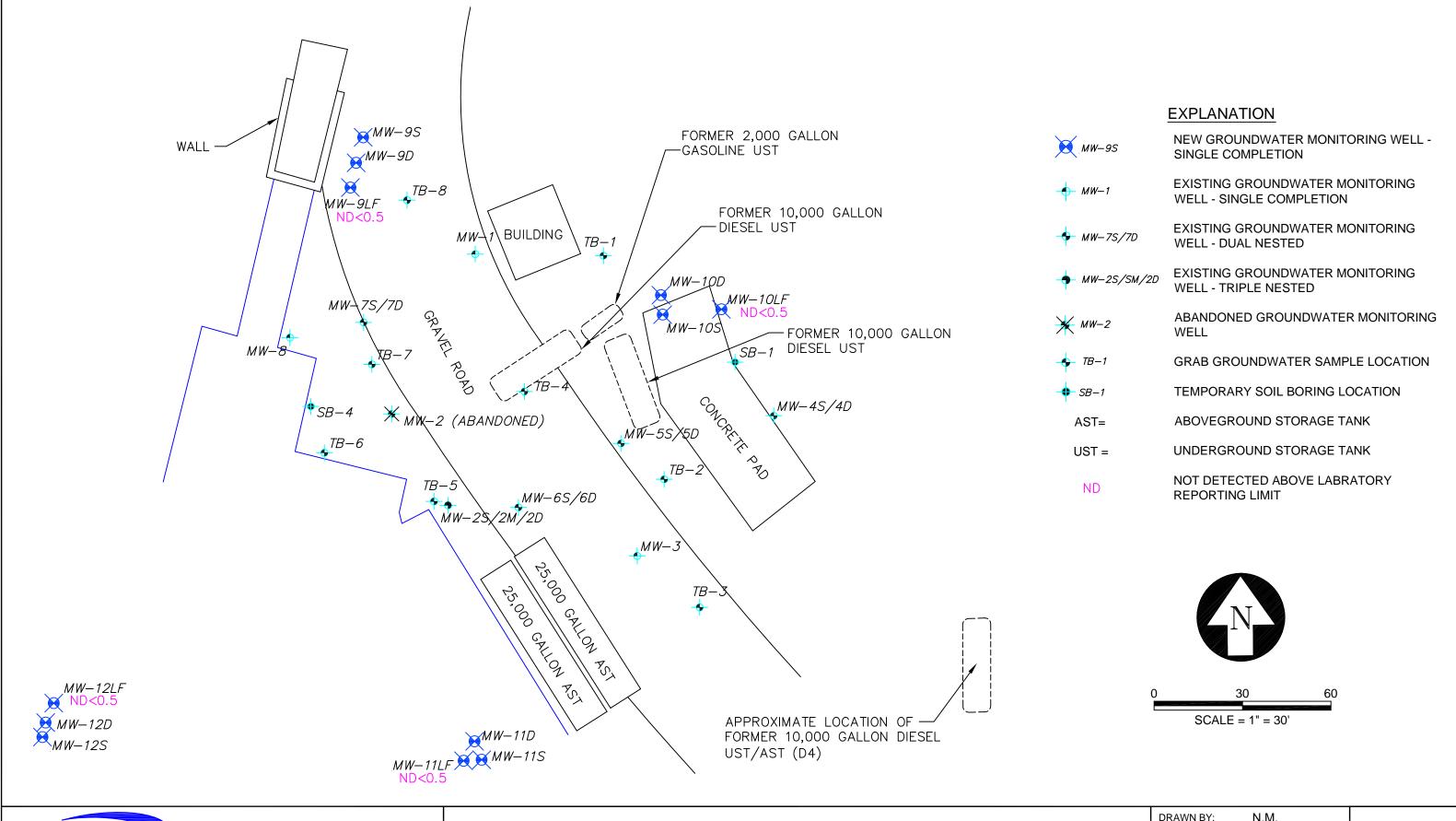


BENZENE CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)

FOURTH QUARTER 2007

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

| DRAWN BY: | N.M. |
|-------------|-------------|
| REVIEWED BY | ⁄: Р.М. |
| PROJECT: | EM5009C |
| DATE: J | ANUARY 2008 |
| · | |





BENZENE CONCENTRATIONS IN GROUNDWATER (LIVERMORE FORMATION) FOURTH QUARTER 2007

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

| DRAWN BY: | N.M. | |
|-----------|--------------|---|
| REVIEWED | BY: P.M. | |
| PROJECT: | EM5009C | |
| DATE: | JANUARY 2008 | · |
| | | |



Table 1 Well Construction Details and Groundwater Elevation Data Fourth Quarter 2007

Mission Valley Rock Company Sunol, California

| Well ID | Casing Diameter (inches) | Depth to Water (feet below TOC) | Total Depth (feet below TOC) | Screened Interval (feet bgs) | Measuring Point Elevation (feet MSL) | Groundwater Elevation (feet MSL) |
|---------|--------------------------------|---------------------------------|------------------------------|------------------------------|---|----------------------------------|
| MW-1 | 2 | 5.35 | 17.78 | 5.0 - 20.0 | 258.68 | 253.33 |
| MW-2S | 2 | 6.55 | 8.71 | 3.0-8.0 | 258.84 | 252.29 |
| MW-2M | 2 | 7.04 | 12.29 | 14.0-19.0 | 258.99 | 251.95 |
| MW-2D | 2 | 7.23 | 29.54 | 25.0-30.0 | 258.91 | 251.68 |
| MW-3 | 2 | 7.95 | 14.70 | 5.0-20.0 | 259.08 | 251.13 |
| MW-4S | 2 | 5.35 | 8.35 | 3.0-8.0 | 259.14 | 253.79 |
| MW-4D | 2 | 8.16 | 23.38 | 17.0-22.0 | 259.22 | 251.06 |
| MW-5S | 2 | 6.84 | 8.24 | 3.0-8.0 | 259.43 | 252.59 |
| MW-5D | 2 | 7.19 | 22.65 | 17.0-22.0 | 259.40 | 252.21 |
| MW-6S | 2 | 6.52 | 15.00 | 5.0-15.0 | 258.75 | 252.23 |
| MW-6D | 2 | 7.80 | 29.15 | 24.5-29.5 | 259.27 | 251.47 |
| MW-7S | 2 | 5.62 | 8.48 | 5.0-8.0 | 258.84 | 253.22 |
| MW-7D | 2 | 6.38 | 23.61 | 20.0-25.0 | 258.80 | 252.42 |
| MW-8 | 2 | 5.54 | 15.34 | 5.0-15.0 | 258.84 | 253.30 |
| MW-9S | 2 | 5.06 | 12.20 | 5.3-12.3 | 258.41 | 253.35 |
| MW-9D | 2 | 6.71 | 24.28 | 18.9-23.9 | 258.86 | 252.15 |
| MW-9LF | 2 | 7.04 | 39.11 | 33.3-38.3 | 258.94 | 251.90 |
| MW-10S | 2 | 4.90 | 9.58 | 4.8-9.8 | 260.67 | 255.77 |
| MW-10D | 2 | 8.81 | 19.38 | 15.5-20.5 | 260.64 | 251.83 |
| MW-10LF | 2 | 9.73 | 39.90 | 34.4-39.4 | 260.58 | 250.85 |
| MW-11S | 2 | 7.27 | 9.43 | 4.8-9.8 | 258.96 | 251.69 |
| MW-11D | 2 | 7.75 | 20.50 | 15.3-20.3 | 258.98 | 251.23 |
| MW-11LF | 2 | 7.92 | 39.41 | 32.8-37.8 | 259.01 | 251.09 |
| MW-12S | 2 | 8.95 | 11.04 | 4.6-11.6 | 262.69 | 253.74 |
| MW-12D | 2 | 8.74 | 19.70 | 16.0-21.0 | 262.70 | 253.96 |
| MW-12LF | 2 | 9.02 | 39.50 | 33.7-38.7 | 262.90 | 253.88 |

Notes:

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

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

Depth to water and total depth measurements taken by Tait Environmental Management, Inc. personnel on December 10, 2007.

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

Groundwater Elevation = Measurement Point Elevation - Depth to Water.

TOC = Top of Casing

bgs = Below Ground Surface

MSL = Mean Sea Level

| Well | Top of Casing 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 |
| | <u> </u> | 12/27/99 | 2.94 | 253.57 | ND |
| | <u> </u> | 03/22/00 | 2.72 | 253.79 | Odor |
| | <u> </u> | 06/30/00 | 4.01 | 252.50 | Slight Odor |
| | | 09/14/00 | 5.11 | 251.40 | Slight Odor |
| | | 12/20/00 | 4.95 | 251.56 | ND |
| | | 03/22/01 | 2.28 | 254.23 | ND |
| | 256.51 | 06/27/01 | 3.60 | 252.91 | ND |
| | | 09/21/01 | 6.50 | 250.01 | ND |
| | | 12/27/01 | 1.29 | 255.22 | ND |
| | Ī | 03/29/02 | 2.91 | 253.60 | ND |
| MW-1 | į į | 06/13/02 | 3.95 | 252.56 | ND |
| | Ī | 09/27/02 | 5.18 | 251.33 | ND |
| | | 12/03/02 | 3.90 | 252.61 | ND |
| | | 03/31/03 | 1.40 | 255.11 | ND |
| | | 06/27/03 | 2.65 | 253.86 | ND |
| | | 09/19/03 | 4.67 | 251.84 | ND |
| | | 12/22/03 | 4.60 | 251.91 | ND |
| | | 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 ND |
| | | 12/04/06 | 5.42 | 253.26 | ND ND |
| | | 02/26/07 | 2.46 | 256.22 | ND ND |
| | | 06/11/07 | 4.10 | 254.58 | ND ND |
| | | 09/11/07 | 5.48 | | ND ND |
| | | 12/10/07 | 5.35 | 253.20 | ND ND |
| | | | | 253.33 | |
| | | 06/23/98 | 1.72 | 254.98 254.01 | 0.005 4.00 |
| | | 01/05/99 | 2.69 | | 4.00 ND |
| | | 03/29/99 | 2.50 | 254.20 | |
| | | 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 |
| MW-2 | 050.7 | 12/20/00 | 5.65 | 251.05 | 0.07 |
| | 256.7 | 03/22/01 | 3.21 | 253.49 | 0.10 |
| | | 06/27/01 | 3.31 | 253.39 | 0.06 |
| | | 09/21/01 | 7.08 | 249.62 | 0.34 |
| | | 12/27/01 | 2.18 | 254.52 | 0.26 |
| | | 03/29/02 | 3.40 | 253.30 | 0.90 |
| | | 06/13/02 | 4.35 | 252.35 | 0.08 |
| | l L | 09/27/02 | 5.54 | 251.16 | ND |
| | [| 12/03/02 | 4.30 | 252.40 | ND |
| | 1 | 03/31/03 | 1.78 | 254.92 | ND |

| | | | Sunol, California | | |
|-------------|-----------------------------------|----------|---------------------------------|----------------------------------|----------------------|
| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
| | | 06/27/03 | 3.10 | 253.60 | ND |
| | | 09/19/03 | 5.02 | 251.68 | ND |
| | | 12/22/03 | NM | NM | ND |
| MW-2 | 256.7 | 01/05/05 | 14101 | Abandoned | 112 |
| | | 01/17/05 | 4.25 | 254.59 | ND |
| | | 05/04/05 | 1.98 | 256.86 | ND ND |
| | | 08/12/05 | 5.46 | 253.38 | ND ND |
| | | 12/12/05 | 7.38 | 251.46 | ND |
| | | 03/02/06 | 2.24 | 256.60 | ND ND |
| | | 06/12/06 | 3.08 | 255.76 | ND ND |
| MW-2S | 258.84 | 09/05/06 | 7.01 | 251.83 | ND |
| WW-23 250.0 | | 12/04/06 | 6.40 | | ND ND |
| | | | | 252.44 | |
| | | 02/26/07 | 3.52 | 255.32 | ND ND |
| | | 06/11/07 | 4.93 | 253.91 | ND ND |
| | | 09/11/07 | 6.45 | 252.39 | ND |
| | | 12/10/07 | 6.55 | 252.29 | ND |
| | | 01/17/05 | 4.68 | 254.31 | ND |
| | | 05/04/05 | 2.32 | 256.67 | ND |
| | | 08/12/05 | 5.77 | 253.22 | ND |
| | | 12/12/05 | 7.78 | 251.21 | ND |
| | | 03/02/06 | 2.10 | 256.89 | ND |
| MW-2M | 258.99 | 06/12/06 | 3.39 | 255.60 | ND |
| | 200.00 | 09/05/06 | 7.36 | 251.63 | ND |
| | | 12/04/06 | 6.89 | 252.10 | ND |
| | | 02/26/07 | 3.79 | 255.20 | ND |
| | | 06/11/07 | 5.30 | 253.69 | ND |
| | | 09/11/07 | 6.88 | 252.11 | ND |
| | | 12/10/07 | 7.04 | 251.95 | ND |
| | | 01/17/05 | 4.75 | 254.16 | ND |
| | | 05/04/05 | 2.38 | 256.53 | ND |
| | | 08/12/05 | 5.90 | 253.01 | ND |
| | | 12/12/05 | 7.85 | 251.06 | ND |
| | | 03/02/06 | 2.16 | 256.75 | ND |
| | | 06/12/06 | 3.48 | 255.43 | ND |
| MW-2D | 258.91 | 09/05/06 | 7.44 | 251.47 | ND |
| | | 12/04/06 | 6.94 | 251.97 | ND |
| | | 02/26/07 | 3.89 | 255.02 | ND |
| | | 06/11/07 | 5.45 | 253.46 | ND |
| | | 09/11/07 | 7.00 | 251.91 | ND |
| | | 12/10/07 | 7.23 | 251.68 | ND |
| | | 06/23/98 | 2.66 | 254.06 | ND |
| | | 01/05/99 | 4.47 | 252.25 | Slight Odor |
| | | 03/29/99 | 3.96 | 252.25 | Sheen |
| | | 06/10/99 | 5.54 | 251.18 | ND |
| | | 09/17/99 | 6.18 | 250.54 | Sheen |
| | | | | | |
| | | 12/27/99 | 5.52 | 251.20 | Odor |
| | | 03/22/00 | 4.61 | 252.11 | Odor |
| | | 06/30/00 | 6.35 | 250.37 | Very Slight Odor |
| NA1-4 C | 050 70 | 09/14/00 | 7.30 | 249.42 | Very Slight Odor |
| MW-3 | 256.72 | 12/20/00 | 7.29 | 249.43 | ND ND |
| | | 03/22/01 | 4.73 | 251.99 | ND |
| | | 06/27/01 | NM | NM | NM |
| | | 09/21/01 | 7.89 | 248.83 | ND |

| | | | Sunol, California | | |
|-------|-----------------------------------|-----------|---------------------------------|-------------------------------------|----------------------|
| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
| | | 12/27/01 | 3.77 | 252.95 | ND |
| | | 03/29/02 | 5.12 | 251.60 | ND |
| | | 06/13/02 | 6.52 | 250.20 | ND |
| | | 09/27/02 | 7.28 | 249.44 | ND |
| | | 12/03/02 | 6.40 | 250.32 | ND |
| | | 03/31/03 | 4.01 | 252.71 | ND |
| | | 06/27/03 | 5.13 | 251.59 | ND |
| | 256.72 | 09/19/03 | 5.13 | 251.59 | ND |
| | | 12/22/03 | 7.20 | 249.52 | ND |
| | | 01/17/05 | 5.81 | 253.27 | ND |
| | | 05/04/05 | 3.50 | 255.58 | ND |
| | | 08/12/05 | 6.01 | 253.07 | ND |
| | | 12/12/05 | 8.45 | 250.63 | ND |
| MW-3 | | 03/02/06 | 3.42 | 255.66 | ND |
| | | 06/12/06 | 4.15 | 254.93 | ND |
| | 259.08 | 09/05/06 | 7.97 | 251.11 | ND |
| | | 12/04/06 | 7.30 | 251.78 | ND |
| | | 02/26/07 | 4.62 | 254.46 | ND |
| | | 06/11/07 | 6.11 | 252.97 | ND |
| | | 09/11/07 | 7.47 | 251.61 | ND |
| | | 12/10/07 | 7.95 | 251.13 | ND |
| | | 01/17/05 | 4.62 | 254.52 | ND |
| | | 05/04/05 | 3.73 | 255.41 | ND |
| | | 08/12/05 | 3.45 | 255.69 | ND |
| | 259.14 | 12/12/05 | 5.48 | 253.66 | ND |
| | | 03/02/06 | 3.10 | 256.04 | ND |
| | | 06/12/06 | 4.10 | 255.04 | ND |
| MW-4S | | 09/05/06 | 3.90 | 255.24 | ND |
| | | 12/04/06 | 4.05 | 255.09 | ND |
| | | 02/26/07 | 3.40 | 255.74 | ND |
| | | 06/11/07 | 4.75 | 254.39 | ND |
| | | 09/10/07 | 4.77 | 254.37 | ND |
| | | 12/10/07 | 5.35 | 253.79 | ND |
| | | 01/17/05 | 5.96 | 253.26 | ND |
| | | 05/04/05 | 3.93 | 255.29 | ND |
| | | 08/12/05 | 5.60 | 253.62 | ND |
| | | 12/12/05 | 8.50 | 250.72 | ND |
| | | 03/02/06 | 3.63 | 255.59 | ND |
| | | 06/12/06 | 4.51 | 254.71 | ND |
| MW-4D | 259.22 | 09/05/06 | 8.18 | 251.04 | ND |
| | | 12/04/06 | 7.95 | 251.27 | ND |
| | | 02/26/07 | 4.49 | 254.73 | ND |
| | | 06/11/07 | 6.25 | 252.97 | ND |
| | | 09/10/07 | 7.54 | 251.68 | ND |
| | | 12/10/07 | 8.16 | 251.06 | ND |
| | | 01/17/05 | 4.57 | 254.86 | ND |
| | | 05/04/05 | 2.50 | 256.93 | ND |
| | | 08/12/05 | 5.30 | 254.13 | ND |
| | | 12/12/05 | 7.68 | 251.75 | ND |
| | | 03/02/06 | 1.42 | 258.01 | ND |
| | | 06/12/06 | 3.73 | 255.70 | ND |
| MW-5S | 259.43 | 09/05/06 | 7.02 | 252.41 | ND ND |
| | | 12/04/06 | 6.31 | 253.12 | ND |
| | 1 | , 0 ., 00 | 1 0.0. | | 1,5 |

| Sunoi, California | | | | | | | |
|-------------------|-----------------------------------|----------|---------------------------------|-------------------------------------|----------------------|--|--|
| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) | | |
| | | 02/26/07 | 3.06 | 256.37 | ND | | |
| | | 06/11/07 | 5.10 | 254.33 | ND | | |
| | | 09/10/07 | 6.49 | 252.94 | ND | | |
| | | 12/10/07 | 6.84 | 252.59 | 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 | | |
| | | 03/02/06 | 1.98 | 257.42 | ND | | |
| | | 06/12/06 | 3.64 | 255.76 | ND | | |
| | | 09/05/06 | 7.30 | 252.10 | ND | | |
| | | 12/04/06 | 6.69 | 252.71 | ND | | |
| | | 02/26/07 | 3.56 | 255.84 | ND | | |
| | | 06/11/07 | 5.39 | 254.01 | ND | | |
| | | 09/11/07 | 6.76 | 252.64 | ND | | |
| | | 12/10/07 | 7.19 | 252.21 | ND | | |
| | | 01/17/05 | 4.30 | 254.45 | ND | | |
| | | 05/04/05 | 1.96 | 256.79 | ND | | |
| | | 08/12/05 | 5.17 | 253.58 | ND | | |
| | | 12/12/05 | 7.48 | 251.27 | ND | | |
| | | 03/02/06 | 1.95 | 256.80 | ND | | |
| | | 06/12/06 | 3.10 | 255.65 | ND | | |
| MW-6S | 258.75 | 09/05/06 | 6.94 | 251.81 | ND | | |
| | | 12/04/06 | 6.30 | 252.45 | ND | | |
| | | 02/26/07 | 3.44 | 255.31 | ND | | |
| | | 06/11/07 | 4.80 | 253.95 | ND | | |
| | | 09/11/07 | 6.32 | 252.43 | ND | | |
| | | 12/10/07 | 6.52 | 252.23 | ND | | |
| | | 01/17/05 | 5.17 | 254.10 | ND | | |
| | | 05/04/05 | 2.80 | 256.47 | ND | | |
| | | 08/12/05 | 6.30 | 252.97 | ND | | |
| | | 12/12/05 | 8.32 | 250.95 | ND | | |
| | | 03/02/06 | 2.70 | 256.57 | ND | | |
| 1414 OD | 050.07 | 06/12/06 | 4.05 | 255.22 | ND | | |
| MW-6D | 259.27 | 09/05/06 | 7.90 | 251.37 | ND | | |
| | | 12/04/06 | 7.37 | 251.90 | ND | | |
| | | 02/26/07 | 4.35 | 254.92 | ND | | |
| | | 06/11/07 | 5.93 | 253.34 | ND | | |
| | | 09/11/07 | 7.46 | 251.81 | Odor | | |
| | | 12/10/07 | 7.80 | 251.47 | ND | | |
| | | 01/17/05 | 3.42 | 255.40 | ND | | |
| | | 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 | | |
| B4147 = 0 | | 06/12/06 | 2.55 | 256.29 | ND | | |
| MW-7S | | 09/05/06 | 6.30 | 252.54 | ND | | |
| | | 12/04/06 | 5.60 | 253.24 | ND | | |
| | 258.84 | 02/26/07 | 2.61 | 256.23 | ND | | |
| | | 06/11/07 | 4.32 | 254.52 | ND | | |
| | | 09/10/07 | 5.76 | 253.08 | ND | | |
| | | 12/10/07 | 5.62 | 253.22 | ND ND | | |
| | | 01/17/05 | 5.50 | 252.57 | ND ND | | |
| | I | 0.,11,00 | 5.00 | | | | |

| Sunol, California | | | | | | | |
|-------------------|-----------------------------------|----------------------|---------------------------------|------------------|----------------------|--|--|
| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | (feet MSL) | LPH Thickness (feet) | | |
| | | 05/04/05 | 1.45 | 256.62 | ND | | |
| | 258.07 | 08/12/05 | 4.70 | 253.37 | ND | | |
| | | 12/12/05 | 7.40 | 250.67 | ND | | |
| | | 03/02/06 | 5.10 | 252.97 | Gasoline odor | | |
| MW-7D | | 06/12/06 | 3.66 | 255.14 | Gasoline odor | | |
| | | 09/05/06 | 7.19 | 251.61 | ND | | |
| | | 12/04/06 | 6.64 | 252.16 | ND | | |
| | 258.80 | 02/26/07 | 3.65 | 255.15 | ND | | |
| | | 06/11/07 | 4.95 | 253.85 | ND | | |
| | | 09/11/07 | 6.59 | 252.21 | Odor | | |
| | | 12/10/07 | 6.38 | 252.42 | ND | | |
| | | 01/17/05 | 3.45 | 255.39 | ND | | |
| | | 05/04/05 | 1.25 | 257.59 | ND | | |
| MW-8 | 258.84 | 08/12/05 | 4.92 | 253.92 | ND | | |
| | | 12/12/05 | 6.67 | 252.17 | ND | | |
| | | 03/02/06 | 0.78 | 258.06 | ND | | |
| | | 06/12/06 | 2.44 | 256.40 | ND | | |
| | | 09/05/06 | 6.45 | 252.39 | ND | | |
| | | 12/04/06 | 5.80 | 253.04 | ND | | |
| | | 02/26/07 | 2.68 | 256.16 | ND | | |
| | | 06/11/07 | 4.32 | 254.52 | ND | | |
| | | 09/10/07 | 5.80 | 253.04 | ND | | |
| | | 12/10/07 | 5.54 | 253.30 | ND | | |
| | | 06/12/06 | 2.14 | 256.27 | ND | | |
| | | 09/05/06 | 5.92 | 252.49 | ND ND | | |
| MN4/ 00 | 050.44 | 12/04/06 | 5.21 | 253.20 | ND NB | | |
| MW-9S | 258.41 | 02/26/07 | 3.28 | 255.13 | ND ND | | |
| | | 06/11/07 | 3.70 | 254.71 | ND ND | | |
| | | 09/11/07 | 5.26 | 253.15 | ND ND | | |
| | | 12/10/07 | 5.06 | 253.35 | ND | | |
| | | 06/12/06 | 3.16 7.12 | 255.70 | ND | | |
| | | 09/05/06 | | 251.74 | ND ND | | |
| MW-9D | 250.06 | 12/04/06 | 6.58 | 252.28 255.34 | ND Chann | | |
| MM-9D | 258.86 | 02/26/07 | 3.52 | | Sheen | | |
| | | 06/11/07 09/11/07 | 5.19 | 253.67 252.19 | Sheen | | |
| | | 12/10/07 | 6.67 6.71 | 252.19 | Odor ND | | |
| | | 06/12/06 | 3.46 | 255.48 | ND | | |
| | | 09/05/06 | 7.37 | 251.57 | ND ND | | |
| | | 12/04/06 | 6.85 | 252.09 | ND | | |
| MW-9LF | 258.94 | 02/26/07 | 3.79 | 255.15 | ND ND | | |
| 14144-3L1 | 250.34 | 06/11/07 | 8.94 | 250.00 | ND | | |
| | | 09/11/07 | 7.00 | 251.94 | ND | | |
| | | 12/10/07 | 7.04 | 251.94 | ND | | |
| | | 06/12/06 | 5.00 | 255.67 | ND ND | | |
| | | 09/05/06 | 5.62 | 255.05 | ND ND | | |
| | | 12/04/06 | 5.04 | 255.63 | ND ND | | |
| MW-10S | 260.67 | 02/26/07 | 3.88 | 256.79 | ND ND | | |
| | 200.07 | 06/11/07 | 4.84 | 255.83 | ND ND | | |
| | | 09/11/07 | 4.94 | 255.73 | ND ND | | |
| | | 12/10/07 | 4.90 | 255.77 | ND | | |
| | | 06/12/06 | 5.42 | 255.22 | ND ND | | |
| | | 09/05/06 | 8.92 | 251.72 | ND | | |
| | ı | 23,00,00 | 0.02 | 202 | 110 | | |

| | | | Sunol, California | | |
|---------|-----------------------------------|----------|---------------------------------|-------------------------------------|---------------------|
| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet |
| | | 12/04/06 | 8.18 | 252.46 | ND |
| MW-10D | 260.64 | 02/26/07 | 5.40 | 255.24 | ND |
| | | 06/11/07 | 7.13 | 253.51 | ND |
| | | 09/11/07 | 8.50 | 252.14 | ND |
| | | 12/10/07 | 8.81 | 251.83 | ND |
| | | 06/12/06 | 5.99 | 254.59 | ND |
| | | 09/05/06 | 9.65 | 250.93 | ND |
| | | 12/04/06 | 9.02 | 251.56 | ND |
| MW-10LF | 260.58 | 02/26/07 | 6.23 | 254.35 | ND |
| | | 06/11/07 | 7.86 | 252.72 | ND |
| | | 09/11/07 | 9.24 | 251.34 | ND |
| | | 12/10/07 | 9.73 | 250.85 | ND |
| | | 06/12/06 | 3.69 | 255.27 | ND |
| | | 09/05/06 | 7.69 | 251.27 | ND |
| | Ī | 12/04/06 | 7.28 | 251.68 | ND |
| MW-11S | 258.96 | 02/26/07 | 4.20 | 254.76 | ND |
| | | 06/11/07 | 5.72 | 253.24 | ND |
| | Ī | 09/11/07 | 7.10 | 251.86 | ND |
| | Ī | 12/10/07 | 7.27 | 251.69 | ND |
| | 258.98 | 06/12/06 | 3.70 | 255.28 | ND |
| | | 09/05/06 | 8.50 | 250.48 | ND |
| | | 12/04/06 | 7.65 | 251.33 | ND |
| MW-11D | | 02/26/07 | 4.48 | 254.50 | Sheen |
| | | 06/11/07 | 6.14 | 252.84 | Sheen |
| | | 09/12/07 | 8.08 | 250.90 | Sheen |
| | | 12/10/07 | 7.75 | 251.23 | ND |
| MW-11LF | 259.01 | 06/12/06 | 3.90 | 255.11 | ND |
| | | 09/05/06 | 7.84 | 251.17 | ND |
| | | 12/04/06 | 7.75 | 251.26 | ND |
| | | 02/26/07 | 4.69 | 254.32 | ND |
| | Ī | 06/11/07 | 6.15 | 252.86 | ND |
| | Ī | 09/10/07 | 7.70 | 251.31 | ND |
| | | 12/10/07 | 7.92 | 251.09 | ND |
| | | 06/12/06 | 5.77 | 256.92 | ND |
| | Ī | 09/05/06 | 10.51 | 252.18 | ND |
| | | 12/04/06 | 10.00 | 252.69 | ND |
| MW-12S | 262.69 | 02/26/07 | 6.45 | 256.24 | ND |
| | | 06/11/07 | 7.95 | 254.74 | ND |
| | | 09/10/07 | 9.54 | 253.15 | ND |
| | | 12/10/07 | 8.95 | 253.74 | ND |
| | | 06/12/06 | 5.69 | 257.01 | ND |
| | | 09/05/06 | 10.40 | 252.30 | ND |
| | | 12/04/06 | 9.94 | 252.76 | ND |
| MW-12D | 262.70 | 02/26/07 | 6.47 | 256.23 | ND |
| | | 06/11/07 | 7.96 | 254.74 | ND |
| | | 09/11/07 | 9.45 | 253.25 | ND |
| | | 12/10/07 | 8.74 | 253.96 | ND |
| | | 06/12/06 | 5.92 | 256.98 | ND |
| | | 09/05/06 | 10.69 | 252.21 | ND |
| | | 12/04/06 | 10.25 | 252.65 | ND |
| | 262.00 | 02/26/07 | 6.65 | 256.25 | ND |
| MW-12LF | 262.90 | 02/20/07 | 0.00 | | |
| MW-12LF | 262.90 | 06/11/07 | 8.10 | 254.80 | ND |

Table 2 Historical Groundwater Gauging Data

Mission Valley Rock Company Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|------|-----------------------------------|----------|---------------------------------|-------------------------------------|----------------------|
| | | 12/10/07 | 9.02 | 253.88 | ND |

Notes:

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

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

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

ND = Not Detected

TOC = Top of Casing

MSL = Mean Sea Level

LPH = Liquid-Phase Hydrocarbon

Table 3 Groundwater Analytical Results Fourth Quarter 2007

Mission Valley Rock Company Sunol, California

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Total Xylenes (ug/L) | Tert-amyl methyl ether TAME (ug/L) | Tert-butyl alcohol (ug/L) | MTBE (ug/L) |
|---------|----------|----------------|----------------|-------------------|-------------------|------------------------|-------------------------|---|---------------------------------|----------------|
| MW-1 | 12/11/07 | ND<500 | 890 | 6.60 | 0.54 | 0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-2S | 12/11/07 | 16000 | ND<50 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5.0 | ND<10 | ND<50 | 16 |
| MW-2M | 12/11/07 | ND<500 | 370 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 9.4 |
| MW-2D | 12/11/07 | ND<500 | 250 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 22 |
| MW-3 | 12/11/07 | ND<500 | 180 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 24 |
| MW-4S | 12/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-4D | 12/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-5S | 12/10/07 | ND<500 | 140 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 2.6 |
| MW-5D | 12/11/07 | ND<500 | 140 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 1.2 |
| MW-6S | 12/11/07 | 5200 | 680 | 1.3 | ND<0.5 | 12.0 | 1.1 | ND<2.0 | ND<10 | 28 |
| MW-6D | 12/12/07 | ND<500 | 250 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 19 |
| MW-7S | 12/10/07 | ND<500 | 170 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-7D | 12/12/07 | 2500 | 19000 | 64 | 160 | 1100 | 2000 | ND<2.0 | ND<10 | ND<1.0 |
| MW-8 | 12/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-9S | 12/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-9D | 12/12/07 | 3400 | 57000 | 880 | 5800 | 2800 | 9100 | ND<2.0 | ND<10 | ND<1.0 |
| MW-9LF | 12/11/07 | ND<500 | 310 | ND<0.5 | 0.89 | ND<0.5 | 2.22 | ND<2.0 | ND<10 | ND<1.0 |
| MW-10S | 12/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-10D | 12/11/07 | ND<500 | 1300 | ND<0.5 | ND<0.5 | 0.61 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-10LF | 12/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 1.6 |
| MW-11S | 12/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 1.5 |

Table 3 Groundwater Analytical Results Fourth Quarter 2007

Mission Valley Rock Company Sunol, California

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Total Xylenes (ug/L) | Tert-amyl methyl ether TAME (ug/L) | Tert-butyl alcohol (ug/L) | MTBE (ug/L) |
|---------|----------|----------------|----------------|-------------------|-------------------|------------------------|-------------------------|---|---------------------------------|----------------|
| MW-11D | 12/12/07 | 48000 | 7700 | 3.0 | 3.0 | 11 | 30 | ND<2.0 | ND<10 | 7.0 |
| MW-11LF | 12/10/07 | ND<500 | 120 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 86 |
| MW-12S | 12/10/07 | ND<500 | 120 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-12D | 12/10/07 | ND<500 | 140 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-12LF | 12/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |

Notes:

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

Analyses for benzene, toluene, ethylbenzene, total xylenes, methyl-tert-butyl ether (MTBE), Tert-amyl methyl ether (TAME), and Tert-butyl alcolhol (TBA) were performed using EPA Method No. 8260B. 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.

ug/L = Micrograms per Liter

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

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

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|------|----------|----------------|----------------|-------------------|-------------------|------------------------|----------------|----------------|---------------|----------------|
| | 06/23/98 | 0.1 | 3,100 | 19 | 2.3 | 91 | 48 | ND<2.0 | ND<10 | 110 |
| | 10/01/98 | 0.1 | 2,300 | 3.1 | 4.2 | 5.0 | 15 | ND<2.0 | ND<10 | ND<0.5 |
| | 01/05/99 | 350 | ND<50 | 12 | 7.5 | 20 | 6.2 | ND<2.0 | ND<10 | ND<5.0 |
| | 03/29/99 | 190 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 06/10/99 | 210 | 1,800 | 1.2 | 0.9 | 1.5 | 4.6 | ND<2.0 | ND<10 | ND<0.5 |
| | 09/17/99 | 62 | 180 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 12/27/99 | 290 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 03/22/00 | 86 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 06/30/00 | 70 | 450 | 2.1 | ND<0.5 | 2.1 | 1.4 | ND<2.0 | ND<10 | 7.6 |
| | 09/14/00 | ND<50 | 850 | 5.4 | ND<0.5 | 9.4 | 2.6 | ND<2.0 | ND<10 | 9.8 |
| | 12/20/00 | ND<1,000 | 370 | 5.3 | ND<1.0 | 2.7 | ND<3.0 | ND<2.0 | ND<10 | 55 |
| | 03/22/01 | ND<1,000 | 700 | ND<1.0 | ND<1.0 | 1.4 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/27/01 | ND<1,000 | 170 | ND<1.0 | ND<1.0 | 1.2 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/21/01 | ND<1,000 | 730 | 1.4 | ND<1.0 | 7.6 | 1.2 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/27/01 | 1000 | 500 | 15 | ND<1.0 | 27 | 5.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 03/29/02 | 12000 | 29000 | 50 | ND<25 | 960 | 290 | ND<2.0 | ND<10 | ND<25 |
| | 06/13/02 | ND<1,000 | 1400 | 3.5 | ND<1.0 | 42 | 7.9 | ND<2.0 | ND<10 | ND<1.0 |
| MW-1 | 09/27/02 | 1400 | 760 | ND<1.0 | ND<1.0 | 4.3 | 1.1 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/03/02 | ND<1,000 | 1600 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 03/31/03 | ND<1,000 | 620 | 1.2 | ND<1.0 | 12 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/27/03 | ND<1,000 | 0.61 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/19/03 | ND<1,000 | 1.2 | ND<1.0 | ND<1.0 | 6.4 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/22/03 | ND<1,000 | 0.49 | ND<1.0 | ND<1.0 | 3 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 01/17/05 | ND<50 | 63 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 05/04/05 | ND<50 | 1200 | ND<0.5 | ND<0.5 | 8.5 | 1.2 | ND<2.0 | ND<10 | ND<1.0 |
| | 08/12/05 | ND<50 | 410 | ND<0.5 | ND<0.5 | 2.4 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/13/05 | ND<50 | 750 | 3.8 | ND<0.5 | 4.2 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 03/03/06 | ND<50 | 310 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/13/06 | ND<50 | 96 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/06/06 | ND<50 | 920 | ND<0.5 | ND<0.5 | 5.3 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/05/06 | ND<50 | 1200 | 1.4 | ND<0.5 | 1.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 02/27/07 | ND<500 | 430 | 1.1 | ND<0.5 | 7.9 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/12/07 | ND<500 | 370 | 0.9 | ND<0.5 | 17 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/11/07 | ND<500 | 270 | 0.80 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/11/07 | ND<500 | 890 | 6.60 | 0.54 | 0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |

TPHd: diesel

TPHg: gasoline
TAME: tert amyl methyl ether
TBA: tert-butyl alcohol MTBE: methyl tert-butyl ether ug/L: micrograms per liter

Mission Valley Rock Company Sunol, California

| | | | | | Surioi, Ca | III OTTTIC | | | | |
|---------|----------|----------------|----------------|-------------------|-------------------|------------------------|----------------|----------------|---------------|----------------|
| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
| | 06/23/98 | 12,000 | 2,500 | 0.68 | ND<0.50 | 1.2 | 0.57 | ND<2.0 | ND<10 | 14 |
| | 10/01/98 | 4,300 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 01/05/99 | 38,000 | ND<5,000 | ND<50 | ND<50 | 51 | 190 | ND<2.0 | ND<10 | ND<500 |
| | 03/29/99 | 580 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 06/10/99 | 4,500 | 24,000 | 38 | 27 | 41 | 98 | ND<2.0 | ND<10 | ND<0.5 |
| | 09/17/99 | 24,000 | 1,400 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 27 |
| | 12/27/99 | 2,300 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 03/22/00 | 620 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 06/30/00 | 1,700 | 270 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 17 |
| | 09/14/00 | 5,800 | 130 | ND<0.5 | ND<0.5 | ND<0.5 | 0.94 | ND<2.0 | ND<10 | 12 |
| | 12/20/00 | 19,000 | 1700 | ND<50 | ND<50 | ND<50 | ND<150 | ND<2.0 | ND<10 | ND<250 |
| | 03/22/01 | 610000 | 3300 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 9 |
| MW-2 | 06/27/01 | 8800 | 1800 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 6.7 |
| | 09/21/01 | 530000 | 7000 | ND<50 | ND<1.0 | ND<50 | ND<1.0 | ND<2.0 | ND<10 | ND<50 |
| | 12/27/01 | 27000 | 310 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 62 |
| | 03/29/02 | 65000 | 130 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 30 |
| | 06/13/02 | 130000 | 460 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 24 |
| | 09/27/02 | 480000 | 290 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 16 |
| | 12/03/02 | 61000 | 1800 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 10 |
| | 03/31/03 | 5000 | ND<100 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 14 |
| | 06/27/03 | 8.1 | 360 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 20 |
| | 09/19/03 | 85 | 12 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 15 |
| | 12/22/03 | 65 | 12 | NDC1.0 | NDC1.0 | NS NS | NDC1.0 | ND<2.0 | NDC10 | 13 |
| | 01/17/05 | | | | | Abandone | nd | | | |
| | 01/17/05 | 1100 | 730 | ND<0.5 | ND<0.5 | 1.0 | 3.5 | ND<2.0 | ND<10 | 50 |
| | 05/04/05 | 8200 | 190 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 44 |
| | 08/12/05 | 6100 | 120 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 77 |
| | 12/12/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 26 |
| | 03/03/06 | 5900 | 160 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 21 |
| | 06/13/06 | 8700 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 22 |
| MW-2S | 09/06/06 | 11000 | 190 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 29 |
| | 12/05/06 | 18000 | ND<50 | ND<0.5 | ND<50 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 38 |
| | 02/28/07 | 6600 | 140 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 33 |
| | 06/12/07 | 3700 | 90 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | 12 | 19 |
| | 09/11/07 | 17000 | ND<50 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5.0 | ND<10 | ND<50 | 46 |
| | 12/11/07 | 16000 | ND<50 | ND<2.5 | ND<2.5 | ND<2.5 | ND<5.0 | ND<10 | ND<50 | 16 |
| | 01/17/05 | 4100 | 3300 | 6.5 | 1.7 | 89 | 82.2 | ND<2.0 | ND<10 | 38 |
| | 05/04/05 | ND<50 | 610 | ND<0.5 | ND<0.5 | 16 | 10.6 | ND<2.0 | ND<10 | 32 |
| | 08/12/05 | ND<50 | 460 | ND<0.5 | ND<0.5 | 2.5 | 1.2 | ND<2.0 | ND<10 | 56 |
| | 12/12/05 | ND<50 | 410 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 28 |
| | 03/03/06 | ND<50 | 290 | ND<0.5 | ND<0.5 | 0.5 | ND<1.0 | ND<2.0 | ND<10 | 17 |
| B. 83.4 | 06/13/06 | ND<50 | 130 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-2M | 09/06/06 | 1900 | 330 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 22 |
| | 12/05/06 | 6100 | 340 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 37 |
| | 02/27/07 | ND<500 | 310 | ND<0.5 | ND<0.5 | 0.65 | ND<1.0 | ND<2.0 | ND<10 | 25 |
| | 06/12/07 | 350 | 290 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 14 |
| | 09/11/07 | 4900 | 220 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 14 |
| | 12/11/07 | ND<500 | 370 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 9.4 |

TPHd: diesel

TPHg: gasoline
TAME: tert amyl methyl ether
TBA: tert-butyl alcohol MTBE: methyl tert-butyl ether ug/L: micrograms per liter

Mission Valley Rock Company Sunol, California

| | | | | | Sunoi, Ca | IIIOITIIA | | | | |
|-------|----------|----------------|----------------|-------------------|-------------------|------------------------|----------------|----------------|---------------|----------------|
| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
| | 01/17/05 | 1800 | 1000 | 6.5 | ND<0.5 | 80 | 71 | ND<2.0 | ND<10 | 62 |
| | 05/04/05 | ND<50 | 250 | ND<0.5 | ND<0.5 | 4.6 | 1.6 | ND<2.0 | ND<10 | 72 |
| | 08/12/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | 2.8 | 1.1 | ND<2.0 | ND<10 | 51 |
| | 12/12/05 | ND<50 | 200 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 39 |
| | 03/03/06 | ND<50 | 140 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 38 |
| | 06/13/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 36 |
| MW-2D | 09/06/06 | 1700 | 230 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 27 |
| | 12/05/06 | 3000 | 150 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 37 |
| | 02/27/07 | 1100 | 140 | ND<0.5 | ND<0.5 | 0.63 | 1.1 | ND<2.0 | ND<10 | 25 |
| | 06/12/07 | ND<500 | 140 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 19 |
| | 09/11/07 | 4600 | 120 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 15 |
| | 12/11/07 | ND<500 | 250 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 22 |
| | 06/23/98 | 12,000 | 300 | 0.80 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 150 |
| | 10/01/98 | 6400 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 01/05/99 | 5,600 | ND<100 | 1.6 | 1.4 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 110 |
| | 03/29/99 | 150 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 06/10/99 | 620 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 09/17/99 | 1,500 | 230 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 89 |
| | 12/27/99 | 58 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 03/22/00 | 94 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<0.5 |
| | 06/30/00 | 240 | 170 | ND<0.5 | 0.52 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 100 |
| | 09/14/00 | 850 | 170 | 0.81 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 68 |
| | 12/20/00 | 1600 | 230 | ND<1.0 | ND<1.0 | ND<1.0 | ND<3.0 | ND<2.0 | ND<10 | 80 |
| | 03/22/01 | 1100 | 140 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 83 |
| | 06/27/01 | | _ | | | NS | <u> </u> | | - | |
| | 09/21/01 | 3800 | ND<100 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 45 |
| | 12/27/01 | 3100 | 340 | 1.4 | 1.1 | 10 | 3.8 | ND<2.0 | ND<10 | 45 |
| | 03/29/02 | 1500 | ND<100 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 50 |
| | 06/13/02 | ND<1000 | 160 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 36 |
| MW-3 | 09/27/02 | ND<1000 | ND<1000 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 43 |
| | 12/03/02 | ND<1000 | ND<100 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | ND<2.0 | ND<10 | 41 |
| | 03/31/03 | ND<1000 | ND<100 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.0 | ND<10 | 92 |
| | 06/27/03 | 1200 | ND<100 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<10 | 93 |
| | 09/19/03 | ND<1000 | ND<100 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<10 | 65 |
| | 12/22/03 | 5700 | 190 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<10 | 56 |
| | 01/17/05 | ND<50 | 590 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 47 |
| | 05/04/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 190 |
| | 08/11/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 110 |
| | 12/13/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 75 |
| | 03/03/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 140 |
| | 06/12/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 100 |
| | 09/06/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 67 |
| | 12/05/06 | ND<50 | 82 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 39 |
| | 02/27/07 | 56 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 43 |
| | 06/12/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 45 |
| | 09/11/07 | ND<500 | 60 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 27 |
| | 12/11/07 | ND<500 | 180 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 24 |

TPHd: diesel

TPHg: gasoline TAME: tert amyl methyl ether TBA: tert-butyl alcohol MTBE: methyl tert-butyl ether ug/L: micrograms per liter

Mission Valley Rock Company Sunol, California

| | | | | ı | Surioi, Ca | illottila | | | | |
|---------|----------|----------------|----------------|-------------------|-------------------|------------------------|----------------|----------------|---------------|----------------|
| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
| | 01/17/05 | ND<50 | 65 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 05/04/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 08/12/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | 2.2 | 5.8 | ND<2.0 | ND<10 | ND<1.0 |
| ŀ | 12/12/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| • | 03/03/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/12/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-4S | 09/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/04/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 02/26/07 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 01/17/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 05/04/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| • | 08/12/05 | ND<50 | 410 | ND<0.5 | 2.2 | 10 | 25.5 | ND<2.0 | ND<10 | ND<1.0 |
| • | 12/12/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 03/03/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/12/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 7.8 |
| MW-4D | 09/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| ŀ | 12/04/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| ŀ | 02/26/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| • | 09/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 01/17/05 | ND<50 | ND<50 | ND<0.5 | 4.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| • | 05/04/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| - | 08/11/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 5.8 |
| • | 12/12/05 | ND<50 | ND<50 | 3.4 | 1.3 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| • | 03/03/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| NAVA 50 | 06/12/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-5S | 09/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 5.4 |
| | 12/04/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 5.8 |
| | 02/26/07 | 360 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 3.2 |
| | 06/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 2.2 |
| | 09/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 2.0 |
| | 12/10/07 | ND<500 | 140 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 2.6 |
| | 01/17/05 | ND<50 | 210 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 05/04/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 10 |
| | 08/11/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 6.4 |
| | 12/12/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 03/03/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 4.7 |
| MW-5D | 06/12/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 5.0 |
| OC-AAIM | 09/05/06 | ND<50 | ND<50 | ND<0.5 | 0.60 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 5.3 |
| | 12/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 1.9 |
| | 02/28/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 1.6 |
| | 06/12/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 2.4 |
| | 09/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 1.2 |
| | 12/11/07 | ND<500 | 140 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 1.2 |

TPHd: diesel

TPHg: gasoline TAME: tert amyl methyl ether TBA: tert-butyl alcohol MTBE: methyl tert-butyl ether ug/L: micrograms per liter

Mission Valley Rock Company Sunol, California

| 01/ 05/ 08/ 12/ | Date /17/05 | TPHd (ug/L) | TPHg (ug/L) | Benzene | Toluene | Ethylbenzene | | TANE | TDA | |
|--------------------------|-------------|----------------|----------------|---------|---------|--------------|----------------|----------------|---------------|----------------|
| 05/ 08/ 12/ | | | (**3/ =/ | (ug/L) | (ug/L) | (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
| 05/ 08/ 12/ | | 2800 | 1600 | 6.1 | ND<0.5 | 3.6 | 2.3 | ND<2.0 | ND<10 | 160 |
| 08/ 12/ | 5/04/05 | ND<50 | 750 | ND<0.5 | ND<0.5 | 3.0 | ND<0.5 | ND<2.0 | ND<10 | 160 |
| 12/ | 3/12/05 | 1300 | 1100 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 410 |
| | 2/12/05 | ND<50 | 1000 | ND<0.5 | ND<0.5 | 1.4 | ND<1.0 | ND<2.0 | ND<10 | 190 |
| I 03/ | 3/03/06 | ND<50 | 940 | ND<0.5 | ND<0.5 | 4.9 | ND<1.0 | ND<2.0 | ND<10 | 60 |
| 06/ | 6/14/06 | 1300 | 650 | ND<0.5 | 1.7 | 1.9 | 2.0 | ND<2.0 | ND<10 | ND<1.0 |
| IVIVV-65 | 9/06/06 | 2400 | 750 | ND<0.5 | ND<0.5 | 0.7 | 0.5 | ND<2.0 | ND<10 | 200 |
| | 2/05/06 | 2600 | 1000 | ND<0.5 | ND<0.5 | 1.2 | ND<1.0 | ND<2.0 | ND<10 | 110 |
| | 2/27/07 | 3000 | 1100 | 0.79 | ND<0.5 | 1.1 | ND<1.0 | ND<2.0 | ND<10 | 54 |
| | 6/12/07 | 490 | 1200 | ND<0.5 | ND<0.5 | 1.6 | ND<1.0 | ND<2.0 | ND<10 | 47 |
| | 0/11/07 | 930 | 370 | ND<0.5 | ND<0.5 | 1.3 | ND<1.0 | ND<2.0 | ND<10 | 48 |
| | 2/11/07 | 5200 | 680 | 1.3 | ND<0.5 | 12.0 | 1.1 | ND<2.0 | ND<10 | 28 |
| | /17/05 | 2100 | 1200 | 10 | ND<0.5 | 1.6 | 2.2 | ND<2.0 | ND<10 | 180 |
| | 5/04/05 | ND<50 | 360 | 2 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 360 |
| | 3/12/05 | ND<50 | 480 | 2 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 270 |
| | 2/12/05 | ND<50 | 240 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 92 |
| | 3/03/06 | ND<50 | 310 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 93 |
| | 6/14/06 | ND<50 | 130 | ND<0.5 | 3.0 | 1.1 | 2.6 | ND<2.0 | ND<10 | 69 |
| IVIVV-61) | 9/06/06 | ND<50 | 230 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 74 |
| | 2/06/06 | 1300 | 500 | 0.98 | 8.1 | 16 | 38.8 | ND<2.0 | ND<10 | 59 |
| | 2/27/07 | 470 | 150 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 48 |
| | 6/13/07 | ND<500 | 180 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 39 |
| | 9/12/07 | ND<500 | 130 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 28 |
| | 2/12/07 | ND<500 | 250 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 19 |
| | /17/05 | ND<50 | 12000 | 10 | 89 | 590 | 1670 | ND<2.0 | ND<10 | ND<1.0 |
| | 5/04/05 | 520 | 1600 | ND<0.5 | ND<0.5 | 31 | 18.4 | ND<2.0 | ND<10 | ND<1.0 |
| | 3/12/05 | ND<50 | 660 | ND<0.5 | ND<0.5 | 5.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 2/12/05 | ND<50 | 610 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 3/03/06 | ND<50 | 630 | 1.1 | 9 | 31 | 78 | ND<2.0 | ND<10 | ND<1.0 |
| | 6/14/06 | ND<50 | 430 | ND<0.5 | ND<0.5 | 6.1 | 14.5 | ND<2.0 | ND<10 | ND<1.0 |
| IVIVV-/5 | 9/07/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 2/04/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 2/26/07 | ND<500 | 55 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 6/11/07 | ND<500 | 64 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 0/10/07 | ND<500 | 76 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 2/10/07 | ND<500 | 170 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | /17/05 | ND<50 | 23000 | 350 | 1000 | 1800 | 5200 | ND<2.0 | ND<10 | ND<1.0 |
| | 5/04/05 | 140<50 | 23000 | 330 | 1000 | NS | 3200 | ND\Z.0 | NDC10 | 140<1.0 |
| | 3/12/05 | 37 | 83000 | 550 | 2200 | 4400 | 10600 | ND<2.0 | ND<10 | ND<50 |
| | 2/12/05 | 150000 | 1300000 | 640 | 3100 | 21000 | 54800 | ND<2.0 | ND<10 | ND<50 |
| | 3/03/06 | 45000 | 71000 | 420 | 2400 | 4400 | 11300 | ND<2.0 | ND<10 | ND<1.0 |
| | 6/14/06 | ND<50 | 160000 | 310 | 2400 | 4500 | 9800 | ND<2.0 | ND<10 | ND<1.0 |
| MW-/D | 9/07/06 | 22000 | 71000 | 360 | 8600 | 33000 | 87000 | ND<2.0 | ND<10 | ND<1.0 |
| | 2/06/06 | 12000 | 58000 | 160 | 1300 | 3900 | 5800 | ND<2.0 | ND<10 | ND<1.0 |
| | 2/28/07 | 790 | 6800 | 29 | 51 | 460 | 491 | ND<2.0 | ND<10 | ND<1.0 |
| | 6/13/07 | 23000 | 100000 | 270 | 950 | 4000 | 950 | ND<2.0 | ND<10 | ND<1.0 |
| | 9/13/07 | 3500 | 15000 | 72 | 340 | 1300 | 1940 | ND<2.0 | ND<10 | ND<1.0 |
| | 2/12/07 | 2500 | 19000 | 64 | 160 | 1100 | 2000 | ND<2.0 | ND<10 | ND<1.0 |

TPHd: diesel

TPHg: gasoline TAME: tert amyl methyl ether TBA: tert-butyl alcohol MTBE: methyl tert-butyl ether ug/L: micrograms per liter

Mission Valley Rock Company Sunol, California

| - | | | l | | Surioi, Ca | monna | | | | |
|----------|----------------------|------------------|----------------|-------------------|-------------------|------------------------|------------------|------------------|----------------|------------------|
| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
| | 01/17/05 | ND<50 | 120 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 05/04/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 08/12/05 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/12/05 | 830 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 03/03/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MANA/ O | 06/12/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-8 | 09/07/06 | ND<50 | ND<50 | ND<0.5 | 3.3 | ND<0.5 | 5.5 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/04/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 02/26/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 05/05/06 | ND<50 | 1300 | 8.6 | 24 | 40 | 29.8 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/14/06 | ND<50 | 330 | ND<0.5 | ND<0.5 | 3.0 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/07/06 | ND<50 | 240 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-9S | 12/05/06 | ND<50 | 190 | ND<0.5 | ND<0.5 | 0.76 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| 10100-93 | 02/27/07 | ND<500 | 130 | 0.79 | 0.58 | 8.4 | 1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/12/07 | ND<500 | 210 | 0.76 | ND<0.5 | 5.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/11/07 | ND<500 | 52 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 05/05/06 | 13 | 88000 | 5500 | 15000 | 4200 | 15000 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/14/06 | ND<50 | 76000 | 3200 | 13000 | 2700 | 9200 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/07/06 | 5400 | 58000 | 1800 | 7400 | 2400 | 8000 | ND<2.0 | ND<10 | ND<1.0 |
| MW-9D | 12/06/06 | 9100 | 170000 | 1800 | 6700 | 3400 | 7400 | ND<2.0 | ND<10 | ND<1.0 |
| 10100-35 | 02/28/07 | 4500 | 210000 | 1900 | 6200 | 2400 | 9000 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/13/07 | 11000 | 42000 | 1600 | 5100 | 2600 | 2131 | 13 | 39 | ND<1.0 |
| | 09/12/07 | 4400 | 36000 | 990 | 5700 | 2800 | 4600 | ND<2.0 | 30 | ND<1.0 |
| | 12/12/07 | 3400 | 57000 | 880 | 5800 | 2800 | 9100 | ND<2.0 | ND<10 | ND<1.0 |
| | 05/05/06 | ND<50 | 5400 | 12 | 17 | 190 | 150 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/14/06 | ND<50 | 1800 | 13 | 17 | 30 | 36 | ND<2.0 | ND<10 | ND<1.0 |
| _ | 09/07/06 | ND<50 | 1100 | 58 | 23 | 31 | 58 | ND<2.0 | ND<10 | ND<1.0 |
| MW-9LF | 12/05/06 | 290 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 31 |
| | 02/27/07 | ND<500 | 530 | 39 | 5 | 31 | 25.4 | ND<2.0 | ND<10 | ND<1.0 |
| _ | 06/12/07 | ND<500 | 280 | 14 | 0.92 | 3.8 | 4.5 | ND<2.0 | ND<10 | ND<1.0 |
| _ | 09/11/07 | ND<500 | 320 | 2.5 | 0.59 | ND<0.5 | 1.94 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/11/07 | ND<500 | 310 | ND<0.5 | 0.89 | ND<0.5 | 2.22 | ND<2.0 | ND<10 | ND<1.0 |
| <u> </u> | 05/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| <u> </u> | 06/13/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/07/06 | ND<50 | 93 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-10S | 12/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 02/26/07 | ND<500 | 54 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| <u> </u> | 06/12/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | | N.D | 110 | A 150 | 1 ID | | | | | |
| - | 09/11/07 12/11/07 | ND<500 ND<500 | ND<50 ND<50 | ND<0.5 ND<0.5 | ND<0.5 ND<0.5 | ND<0.5 ND<0.5 | ND<1.0 ND<1.0 | ND<2.0 ND<2.0 | ND<10 ND<10 | ND<1.0 ND<1.0 |

TPHd: diesel

TPHg: gasoline TAME: tert amyl methyl ether TBA: tert-butyl alcohol MTBE: methyl tert-butyl ether ug/L: micrograms per liter

Mission Valley Rock Company Sunol, California

| | | | | I | Surioi, Ca | illionna | | | | |
|-------------|----------|----------------|----------------|-------------------|-------------------|------------------------|----------------|----------------|---------------|----------------|
| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
| | 05/05/06 | ND<50 | 5900 | 24 | 9 | 260 | 23 | ND<2.0 | ND<10 | ND<1.0 |
| - | 06/13/06 | ND<50 | 2300 | 7.6 | 2.4 | 66 | 6.6 | ND<2.0 | ND<10 | ND<1.0 |
| - | 09/07/06 | ND<50 | 2400 | 3.9 | 2.0 | 54 | 11.89 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/06/06 | ND<50 | 1600 | 2.5 | 1.0 | 28 | 4 | ND<2.0 | ND<10 | ND<1.0 |
| MW-10D | 02/27/07 | 200 | 850 | 2.7 | 0.90 | 28 | 2.3 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/12/07 | ND<500 | 830 | 1.0 | ND<0.5 | 14 | 2.0 | ND<2.0 | ND<10 | ND<1.0 |
| - | 09/11/07 | ND<500 | 780 | ND<0.5 | ND<0.5 | 1.7 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/11/07 | ND<500 | 1300 | ND<0.5 | ND<0.5 | 0.61 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 05/05/06 | ND<500 | 860 | ND<0.5 | 11 | ND<0.5 | 4.6 | ND<2.0 | ND<10 | ND<1.0 |
| - | 06/13/06 | ND<50 | 780 | 2.0 | 2.4 | 1.1 | 4.2 | ND<2.0 | ND<10 | ND<1.0 |
| - | | ND<50 | 780 | 1.7 | 1.6 | 1.7 | 7.8 | ND<2.0 | ND<10 | ND<1.0 |
| - | 09/07/06 | 190 | 610 | 0.5 | 0.56 | ND<0.5 | 1.5 | ND<2.0 | ND<10 | 3.7 |
| MW-10LF | 12/05/06 | | | | | | | | | |
| - | 02/27/07 | ND<500 | 580 | 1.0 | 1.1 0.7 | 0.51 | 3.6 | ND<2.0 | ND<10 | ND<1.0 |
| - | 06/12/07 | 260 | 440 | 0.5 | | ND<0.5 | 2.5 | ND<2.0 | ND<10 | 2.0 |
| | 09/11/07 | ND<500 | 130 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 3.0 |
| | 12/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 1.6 |
| | 05/05/06 | ND<50 | 11000 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 8.4 |
| - | 06/14/06 | ND<50 | 730 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| - | 09/06/06 | 3300 | 1400 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.0 | ND<10 | 4.8 |
| MW-11S | 12/06/06 | 1700 | 130 | 0.71 | ND<0.5 | 0.64 | 0.51 | ND<2.0 | ND<10 | 11 |
| - | 02/27/07 | 540 | 300 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 4.3 |
| | 06/12/07 | ND<500 | 1800 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 4.3 |
| | 09/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 2.8 |
| | 12/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 1.5 |
| | 05/05/06 | ND<50 | 13000 | 20 | 20 | 26 | 77 | ND<2.0 | ND<10 | 47 |
| - | 06/14/06 | 18000 | 6500 | 12 | 4.4 | 11 | 22 | ND<2.0 | ND<10 | 26 |
| - | 09/06/06 | 210000 | 33000 | 25 | 30 | 28 | 97 | ND<2.0 | ND<10 | 31 |
| MW-11D | 12/06/06 | 190000 | 2100 | 15 | 23 | 29 | 101 | ND<2.0 | ND<10 | 19 |
| | 02/28/07 | 13000 | 7400 | 8.4 | 16 | 17 | 54 | ND<2.0 | ND<10 | 18 |
| - | 06/13/07 | 6700 | 11000 | 6.2 | 7 | 13 | 39 | ND<2.0 | ND<10 | 15 |
| - | 09/12/07 | 21000 | 3000 | 3.6 | 4.0 | 7.9 | 22 | ND<2.0 | ND<10 | 8.5 |
| | 12/12/07 | 48000 | 7700 | 3.0 | 3.0 | 11 | 30 | ND<2.0 | ND<10 | 7.0 |
| - | 05/05/06 | ND<50 | 1300 | ND<0.5 | ND<0.5 | ND<0.5 | 3 | ND<2.0 | ND<10 | 250 |
| _ | 06/14/06 | 1100 | 99 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 240 |
| _ | 09/06/06 | 5300 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 160 |
| MW-11LF | 12/04/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 240 |
| 10100 11121 | 02/27/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 110 |
| _ | 06/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 110 |
| _ | 09/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | 13 | 190 |
| | 12/10/07 | ND<500 | 120 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | 86 |
| | 05/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/13/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/07/06 | ND<50 | 81 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-12S | 12/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | 210 | ND<1.0 |
| 14144-123 | 02/27/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| Ţ | 06/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | 19 | ND<1.0 |
| | 09/10/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/10/07 | ND<500 | 120 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |

TPHd: diesel

TPHg: gasoline TAME: tert amyl methyl ether TBA: tert-butyl alcohol MTBE: methyl tert-butyl ether ug/L: micrograms per liter

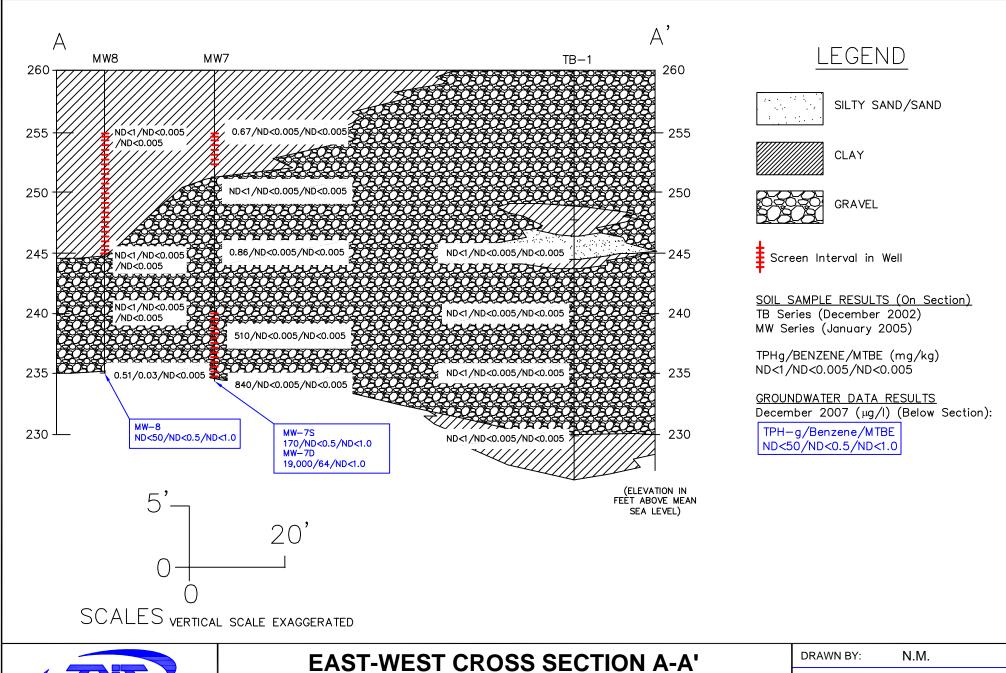
Mission Valley Rock Company Sunol, California

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|------------|----------|----------------|----------------|-------------------|-------------------|------------------------|----------------|----------------|---------------|----------------|
| | 05/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/13/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/06/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-12D | 12/04/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| IVIVV-12D | 02/28/07 | ND<500 | 51 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/10/07 | ND<500 | 140 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 05/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/13/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/06/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| MW-12LF | 12/05/06 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| IVIVV-12LF | 02/26/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 06/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 09/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| | 12/11/07 | ND<500 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |

TPHd: diesel

TPHg: gasoline TAME: tert amyl methyl ether TBA: tert-butyl alcohol MTBE: methyl tert-butyl ether ug/L: micrograms per liter

APPENDIX A CROSS SECTIONS



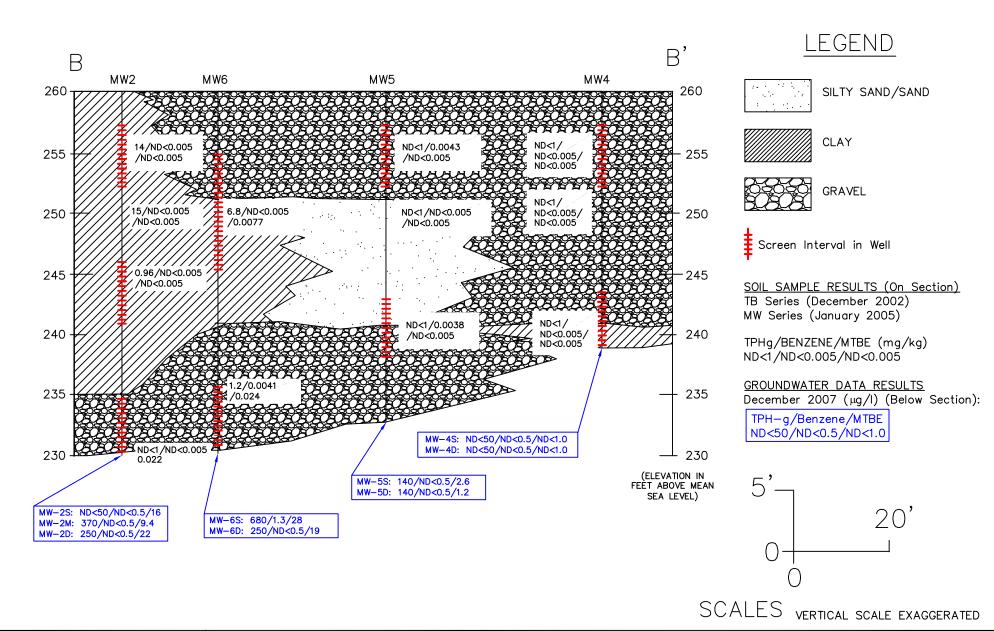


HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.) 7999 ATHENOUR WAY SUNOL, CALIFORNIA DRAWN BY: N.M.

REVIEWED BY: P.M.

PROJECT: EM5009C

DATE: JANUARY 2008





SANTA ANA, CALIFORNIA 92705

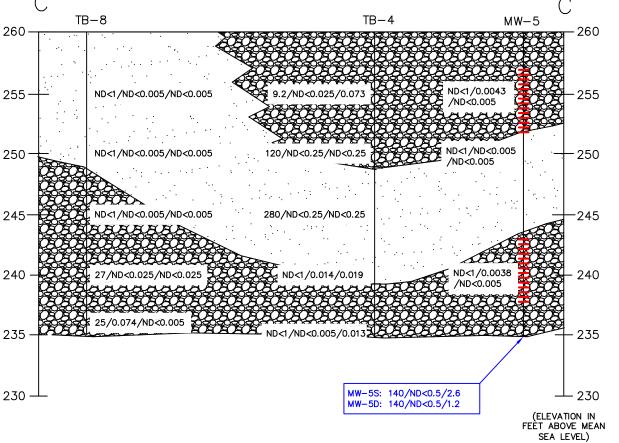
(714) 560-8200 (714) 560-8235 FAX

EAST-WEST CROSS SECTION B-B'

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

| | DRAWN BY: | N.M. | |
|---|--------------|------------|--|
| I | REVIEWED BY: | P.M. | |
| | PROJECT: | EM5009C | |
| I | DATE: JA | NUARY 2008 | |
| | | | |

LEGEND TB-8 TB-4





SILTY SAND/SAND



GRAVEL



Screen Interval in Well

SOIL SAMPLE RESULTS (On Section)

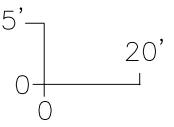
TB Series (December 2002) MW Series (January 2005)

TPHq/BENZENE/MTBE (mq/kg) ND<1/ND<0.005/ND<0.005

GROUNDWATER DATA RESULTS

December 2007 (µg/I) (Below Section):

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



SCALES

VERTICAL SCALE EXAGGERATED



(714) 560-8200 (714) 560-8235 FAX

NORTH-SOUTH CROSS SECTION C-C'

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

| DRAWN BY: | N.M. | |
|-----------|--------------|--|
| REVIEWED | BY: P.M. | |
| PROJECT: | EM5009C | |
| DATE: | JANUARY 2008 | |
| | | |

APPENDIX B SAMPLING DATA SHEETS



Project Name: Mission Valley Rock Date: 12-10-07 Project No.: EM5009C Prepared By: Michael Schenone Well Identification: MW - 45 Weather: Screen: **Measurement Point Description: TOC North** Pump Intake: 7 Depth to Water Depth to Three (3) **Well Total Depth** Column LNAPL LNAPL Thickness Above **Static Water** One (1) Casing Casing Screen (ft-bmp) (ft-bmp) Height Screen Level (ft-bmp) (ft-bmp) Volume (gallons) Volumes Volume (ft) Volume (gallons) NA 5.35 8.35 3.0 NA Gallons/Foot Fleid Equipment: Horiba, 2 stage pump Well Diameter (in) Low-flow 0.75 2 6 Purge Method: -2 stage pump --Low- Flow 0.75 2 6 0.02 0.16 0.65 1.47 good Well Condition: Volume Water Flow Rate Time Casing / Screen Purged Dissolved Temperature Turbidity Conductivity Level pΗ ORP (gpm) Oxygen (gallons) (°C) (ft-bmp) (NTU) (S/M) **Observations** (mV) (ma/L)1210 d 5.38 7.58 1.81 16.3 0.46 2.62 -131 1212 CIEAR 250 5.38 7.79 17.6 0.44 9.2 1.41 - 148 1215 500 5.38 7.80 17.5 7.1 0.43 1.40 - 156 1217 750 17.4 5.38 7.81 6.9 PP.0 1.40 - 151 1220 1000 5.3B 7.82 17.3 7.4 44.0 1.39 -152 Purge Start 80% Purge End **Total Casing** Average Flow Total Gallons Water Level Sample Recovery Time Time Volumes (gpm) Purged at Sampling Collection Water Level Sample Identification Purged Time (ft-bmp) Time Depth 1210 loour/win 1220 1000 11 _ 5.38 1224 MW-45 Notes:



| Project N | lo.: E | M500 | 90 | Valley | | | | | | | | 10-0 | | | | | |
|-------------------------|----------|---------------------------------------|------|----------------------------|----------------|---------------------------------------|-----------------------------|---|----------------------|-------------------------|-------------------|---------------------------------|----------------------|-----------------------|--|---------------------------|---------------------------------------|
| Well Iden | | | | 1W-4 | | | | | | | | r. Mich | ael Sc | henone | ······································ | ē | |
| Measure | | | losc | detion | TOCI | W | | | | | ther: | | | S | creen: | | |
| | 1 | | | T.pt.on. | 100 | TOLL | l | . | | Pum | p intak | B: 19 | <u> </u> | (| | | ··· · · · · · · · · · · · · · · · · · |
| Depth LNAP (ft-bm | L | Stat | | to later bmp) | | rotal It-bm; | Depth o) | Wat Colui Heig (ft) | mn Jht | LNAPL Thick (ft-bmp) | II | | 1) Casiı • (gailo | ng Ca ns) Vol | sing umes ilons) | Above Screen Volume | Scr ee n Volume |
| NA | | 8 | ماا. | | 23 | 38 | · . | | | NA | | | | (3 | | - | |
| Well D | iamete | r (in) | | | Ga | llons/ | Foot | | F | ield Equipment | Hor | iba, 2 s | tage po | mp vo | wa= 6 10 | ••• | |
| | | | | 0.75 | 2 | | 4 | 6 | P | urge Method: | | | np - | | | | |
| 0.75 2 | <u> </u> | | 6 | 0.02 | 0.10 | 6 | 0.65 | 1.47 | M | Vell Condition: | 900 | - | | | | | ···· |
| Time | Casing / | Screen | P | olume 'urged allons) | Flow (gp | | Wate Level (ft-bm) | | pН | Temperature (°C) | Turbidit (NTU) | | ductivity | Dissolved Oxygen | ORP (mV) | Obs | ervations |
| 240 | | | | ø | | ······ | 8.16 | - | 81 | 18.4 | 7.0 | | 30 | (mg/L) | | | |
| 242 | | | 2: | 50 | | · · · · · · · · · · · · · · · · · · · | 8.16 | . 7. | روی | | 5.1 | | 28 | 2.47 | -128 | CLEA | Q |
| 244 | | | 5 | 00 | | | 8.16 | | 58 | | 2.1 | - | <u> 28</u> | 1.74 | -139 | | ····· |
| 246 | | · · · · · · · · · · · · · · · · · · · | 7 | 50 | | - <u>.</u> | 8.16 | | 57 | | 2.3 | | 28 | 1.71 | -141 | | |
| 249 | | | 10 | >00 | | | 8.10 | | ما5 | | 2.0 | | | 1.70 | -142 | | |
| | | | | | | | | | | | | 8. | 28 | 1.70 | -144 | <u> </u> | |
| | | | | | | | | | . | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| Purge Stan | | rge En Time | ıd | Average (gpn | n) | Total | Gallons irged | | Casi umes rged | s Hecovery | at S | er Level ampling (ft-bmp) | Coll | mple ection ime | Sam | ple Identificat | ion |
| Votes: | 13 | .49 | | 111 ml | aim | (60 | lmod | _ | - | | 8 | .16 | 130 | >1 | MW- | <u>на</u> . | |

Page 3 of 26

| Project No Project No | | | | , | | | | | | 12- | ******* | | | | | |
|-----------------------------|--------------|-----------------|-------------------------------|----------------|-------------------|-----------------------------|--------------------------------|----------|-------------------------|-------------------|--------------------------------|------------------------|----------------------|--|---------------------------|------------------|
| Well Ident | | | | - | | | | | | | : Mic | hael Sc | henone | ······································ | ŧ | |
| Measuren | ent Pol | nt Do | 740 - D | > - TOO: | N44 | | | | Wea | ther: | | | 3 | creen: | | |
| | | | scription | FIOC | MOLTH | | | | Pum | p Intak | e: 6 | ′ | (| | | |
| Depth t LNAPL (ft-bmp | s | tatic | th to Water ft-bmp) | | Total ft-bmp | Depth | Wate Colum Heigh (ft) | nn ht | LNAPL Thick (ft-bmp) | | | (1) Casir re (gaile | ns) Ca | sing umes lons) | Above Screen Volume | Screen Volume |
| NA | | g . G | 4 | 8 | . 2_4 | | | | NA | | | | | _ | | |
| Well Di | ameter (| (lm) | | Ga | llons/ | Foot | | Fi | eid Equipment | l-ior | | eleme en | mp Lo. | . 5) | - | - |
| | | , | 0.75 | 2 | | 4 | 6 | 1- | urge Method: | | age pu | - | Low- | | . w | ···· |
| 0.75 2 |) 4 | 6 | 0.02 | 0.1 | 6 | 0.65 | 1.47 | W | ell Condition: | ٩٥ | | | | | | |
| Time | Casing / Scr | Be n | Volume Purged (gallons) | Flow (gp | | Water Level (ft-bmp | p | Н | Temperature (°C) | Turbidit (NTU) | | nductivity | Dissolved Oxygen | ORP (mV) | Obs | ervations |
| 320 | · | | ø | | | 6.84 | (p.1 | Le.Y | 18.5 | ٥٠٦ | | .28 | (mg/L) | | | |
| 328 336 | | | 125 | | | 6.80 | (0.1 | 00 | 18.2 | 8.3 | | .28 | 3.48 | - 10¢ | CIEA | 10 |
| 344 | | | 250 | - | | 6.89 | و.ما | 8 | 18.5 | 7.4 | | .29 | 3.24 | - 114 | | |
| 350 | · | | 375 | | | 6.92 | و.ق | 57 | 18.4 | 6.9 | 0 | .29 | 3.20 | - 116 | | |
| | ···· | | 500 | | _ | 6.93 | (6.5 | ما 5 | 18.4 | 7.1 | 0 | .29 | 3.17 | - 117 | | |
| | | | | | — _ | | | · | | · | | | | | | |
| Purge Start Time | | ∋ End ne | | je Flow om) | | Gallons irged | Total C Volun Purg | nes | Water Level | at S | er Level ampling (ft-bmp | Coll | mple ection me | San | nple Identificat | ion |
| 1320 | 135 | 0 | 17 ml | min | 50 | OMI | | | Depth — | | | | | | i depr | |
| iotes: | | | | <u></u> | | | | | | 9 | .93 | 13 | >8 | mw- | 55 · | |



TAIT Environmental Management, Inc.

| Project N | | | | aney | NOCK | | | | | Date | : 12 ~ | 10-07 | 7 | | | | |
|-------------------------|----------|-----------------------|------------|------------------------|--------------|-----------------|-----------------------------|---------------------------------|----------|--|--------------------|---------------------------------|--------------------|-------------------------------|--------------------------------|---------------------------|------------------|
| Project i Neli ider | | | | | | | | | | | | : Micha | el Sch | enone | | | |
| | | | | <u>v - 7</u> | | | | | | West | | | | S. | creen: | | |
| deasure | ment | POINT D | SCI | iption: | TOCK | lorth | | | | Pum | p intake | : 8′ | | ŀ | | | |
| Depth LNAP (ft-bm | L | Dej Stati Lovel | | ter | Well 1 | otai [t-bmp | | Water Colum Heigh (ft) | n | LNAPL Thick (ft-bmp) | 4 | One (1 Volume |) Casin (gallor | g Ca: (s) Vok | e (3) sing imes lons) | Above Screen Volume | Screen Volume |
| NA | | 5.6 | ٤ | | 용. | 84 | | : - | | NA | | | | | | • | - |
| Well D |)iame1 | ter (in) | | | Gal | ions/f | oot | | Fiel | ld Equipment: | -Hori | ba, 2 st | age pur | np Lev | - - 610 | دب | |
| | X | | | 0.75 | 2 | | 4 | 6 | Pur | ge Method: | - 2 st | age pun | ip | Low- | 410 m | 7 | |
| 0.75 2 | <u> </u> | 4 6 | | 0.02 | 0.16 | | 0.65 | 1.47 | Wei | Il Condition: | G | ood | | | | | |
| Time | Casing | / Screen | Pu (ga | lume rged Ilons) | Flow (gp | | Wate Leve (ft-bm | l pl | Н | Temperature (°C) | Turbidity (NTU) | | uctivity | Dissolved Oxygen (mg/L) | ORP (mV) | Obs | ervations |
| 1408 | | | 9 | | | | 5.65 | | <u> </u> | 18.3 | 4.5 | ٥. | وا ۱ | 3:10 | - 103 | CLE | AR. |
| 1416 | | | 5 0 | | | | 5.68 | | | 17.6 | 1.8 | ٥. | 26 | 2.87 | - 100 | 1 | |
| 1419 | | | 100 | | | · | 5.68 | | | 16.4 | 2.4 | 0.7 | 26 | 2.75 | -111 | | *** |
| | <u> </u> | | 156 | | · | | 5.68 | 6 4 | 12 | 16 2 | 1.4 | 0 | 26 | 2.75 | - 113 | ↓ ↓ | |
| | | | | | ~ | · · · · · · | 1 | | | | , | | | | | | |
| | | | | | | | | - | | | | | | *** ···· | | | · |
| Purge Sta Time | | Purge En Time | | Average (gp | m) | Pu | G ellons rged | Total Co Volun Purg | nes | 80% Recovery Water Leve Depth | at S | er Level ampling (ft-bmp) | Colle | nple ection me | Sar | mple Identifica | tion |
| 1408 | \ | 419 | | 136m | \m | 150 | 1200 | - | | _ | 5. | <u>40</u> | 1428 | | 1w-7 | | |
| lotes: | | | | | | | | <u> </u> | | | | | 1100 | , | ~~- I | | |



| Project N | | | | | | | | | | | ate: | 12- | 10-6 | 7 | | | | |
|-------------------------|--------|-------------|-------|-------------------------------|-----------------|------------------|------------------------|--|-------------|-------------------|-------------|-------------------|----------------------------|----------|--|--|--|------------------|
| Project N Well Iden | | | | | | | | | | P | repar | ed By: | Micha | el Sch | enone | | | |
| | | | | MW- | | | | | | V | leath |)r: | | | 34 | creen: | | |
| neasure: | ment | Point | Des | cription: | TOC | North | | | | P | ump l | ntake: | 12 | , | 1 | | r | |
| Depth LNAP (ft-bm | L | Sta | | h to Water t-bmp) | Weli 1 | rotal i t-bmp | 7 | Wate Colun Heigi (ft) | nn ht | LNAPL TI | | - 1 | One (1) /olume | | g Car s) Volu | e (3) ling Imes lons) | Above Screen Volume | Screen Volume |
| NA | | 5 | .54 | | 15 | 34 | | | | N. | A | | | | | | <u> </u> | <u> </u> |
| Well D | iamet | er (ir | 1) | | Ga | lions/i | Foot | | F | ield Equipm | ent: | Horib | a, 2 sta | ige pur | mp - \ | میں ۔ ح | Flow | |
| | ~ | · | | 0.75 | 2 | | 4 | 6 | P | urge Method | d: | -2 sta | ge pum | p- | Low- | Flow | · · · · · · · · · · · · · · · · · · · | <u></u> |
| 0.75 2 | | 4 | 6 | 0.02 | 0.1 | 5 | 0.65 | 1.47 | W | Veli Conditio | n: | ٥٥٠ | <u>b</u> | · | ······································ | ······································ | ······································ | |
| Time | Casing | / Scree | en | Volume Purged (gallons) | Flow (9p | | Wate Leve (ft-bm | # p | οН | Temperatu (°C) | | urbidity (NTU) | Condi | uctivity | Dissolved Oxygen (mg/L) | ORP (mV) | | ervations |
| 1438 | | · | | ø | | | 5.54 | i (o | اب | ٦. ما ا | 1 | ٠.٠ | 0.1 | 21 | 2:79 | -118 | clei | |
| 1442 1446 | | | | 500 | | | 5.54 | (Lo - | 81 | 1،01 | 3 | 5.3 | 0.1 | 7 | 2.75 | -92 | 1 | |
| 450 | | · | | 1000 | | | 5.54 | 6 8 | 35 | 16.8 | 2 | . 7 | 0.1 | و | 2.72 | - 74 | | |
| 730 | | | - - | 500 | | | 5.5 | 4 6.8 | <u>ම</u> | 16.8 | 3 | 5.0 | 0, | 9 | 2.71 | -70 | | |
| | | | | | | ···· | | | | | | | | | | | | |
| | | | | | | | | | | | - | | | | | | | |
| Purge Star Time | | urge (| B | | m) - | | Gallons irged | Total C Volum Purç | mes | B Hecov | ery evel | | Level npling it-bmp) | Colle | nple iction | Sa | Imple Identificat | ion |
| 1438 | 1' | 450 | · | 125 m | Min | 150 | lm o | _ | | _ | | 5.5 | 4 | 145 | 2 | MW- 9 | ; a : | |
| lotes; | | , | | | | | | <u> </u> | | | | | | 1.12. | 0 | 10140-7 | 0 | |



Project Name: Mission Valley Rock Date: 12-10-07 Project No.: EM5009C Prepared By: Michael Schenone Weli Identification: MW-ILF Weather: Screen: **Measurement Point Description: TOC North** Pump Intake: 30 / Water Depth to Depth to Three (3) **Well Total Depth** Column **LNAPL Thickness** Above LNAPL Static Water One (1) Casing Casing Screen (ft-bmp) Height Screen (ft-bmp) Level (ft-bmp) (ft-bmp) Volume (galions) **Volumes** Volume Volume (ft) (gallons) NA 7.92 39.41 NA Gallons/Foot Field Equipment: Weil Diameter (in) Horiba, 2 stage pump Low - Flow 0.75 2 6 Purge Method: 2 stage pump -Low-flow 2 0.75 6 0.02 0.16 0.65 1.47 **Well Condition:** Good Volume Water Flow Rate Time Casing / Screen Dissolved Purged Temperature Conductivity **Turbidity** Level ρH ORP (gpm) Oxygen (°C) (gallons) (s/m) (NTU) Observations (ft-bmp) (mV) (mg/L)1510 ø 7.92 6.92 17.4 95 0.15 3.28 -131 CIBAL 1514 500 7.94 6.99 18.5 121 0.14 2.58 -159 1518 1000 7.94 7.02 18.5 118 VI. 0 2.51 - 164 1522 1500 7.94 7.03 18.4 112 0.14 2.50 ~166 80% Purge Start Purge End **Total Casing** Average Flow Total Gallons Water Level Sample Recovery Time Time Volumes -(mag) Purged at Sampling Collection Water Level Sample Identification Purged Time (ft-bmp) Time Depth 125 m/. 1510 1522 1500ml 7.94 1521 MW-ILF Notes:



Project Name: Mission Valley Rock Date: 12-10-07 Project No.: EM5009C Prepared By: Michael Schenone Well Identification: MW-125 Weather: Screen: **Measurement Point Description: TOC North** Pump Intake: (0.5' Water Depth to Depth to Three (3) **Well Total Depth** Above Column **LNAPL Thickness** LNAPL One (1) Casing Static Water Casing Screen (ft-bmp) Height Screen (ft-bmp) (ft-bmp) Level (ft-bmp) Volume (gallons) Volumes Volume Volume (ft) (galions) NA 8.95 11.04 NA Gallons/Foot Field Equipment: Horiba, 2 stage pump Low- 410w Well Diameter (in) 0.75 2 4 6 2 stage pump Low - flow Purge Method: 0.75 2 6 0.02 0.16 0.65 1.47 (2000) Well Condition: Volume Water Flow Rate Time Dissolved Casing / Screen Purged Temperature Turbidity Conductivity Level pΗ ORP (gpm) Oxygen (gallons) (°C) **Observations** (NTU) (Sm) (ft-bmp) (mV) (mg/L) 1536 Ø 8.95 **6.84** 17.4 35 0.21 3.68 -83 CLEAR 1538 250 9.16 4.81 17.3 33 0.21 3.84 -64 15 40 500 9.19 6.80 17.3 31 0.22 4.23 - 35 1542 750 9.22 6.90 17.3 32 0.22 4.29 -33 80% **Purge Start** Purge End **Total Casing** Average Flow Total Gallons-Water Level Sample Recovery Time Time Volumes (gpm) Purged at Sampling Collection Water Level Sample Identification Purged Time (ft-bmp) Time Depth 125ml/min 1542 1536 750 ml 19.22 1544 MW-125 Notes:



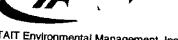
| Project N | lo · | EMERA | 00 | y Noch | · | | | | Date | 12- | 10-07 | ? | | ··· | | |
|-------------------------|--------|--|-------------------------------|---------|------------------|---------------------------|---|-------------|---|--------------------|--|-----------|----------------------|--------------------------------|---------------------------|--|
| | | | MW - 12 | | | | | | Prep | ared By: | Mich | nel Sci | 1enone | | f f | <u>-</u> - |
| Measure | mont | Dalas D | escription | -0 | | | | | Weat | her: | | | 8 | creen: | | |
| | | FOIRE D | escription | : 100 | Norti | 1 | | | Pum | Intake | : اله | , | 1 | | | |
| Depth LNAP (ft-bm | L | Stat | pth to c Water (ft-bmp) | ŀ | Total ft-bm | Depth p) | Wate Colur Heigi (ft) | nn ht | LNAPL Thick (ft-bmp) | ì | One (1 Volume |) Casin | g Car | e (3) sing imes ions) | Above Screen Volume | Screen Volume |
| NA | | &. | 74 | 19 | ٥٢. | | | | NA | | | - | (841 | .0118) | | |
| Well D | iamet | er (in) | | G | llons | Foot | | Fie | old Equipment: | Hori | ba, 2 s t | 202 50 | (TDC) | 2 - f 1 c | | - |
| | | | 0.75 | 2 | | 4 | 6 | + | rge Method: | | ige pun | | | 2-410 | | |
| 0.75 (2 |) . | 4 6 | 0.02 | 0.1 | 6 | 0.65 | 1.47 | ·} | ell Condition: | | ood | <u>.h</u> | | | | |
| Time | Casing | /Screen | Volume Purged (gallons) | 4 | Rate m) | Water Level (ft-bmp | | ж | Temperature (°C) | Turbidity (NTU) | Conc | luctivity | Dissolved Oxygen | ORP (mV) | Obs | ervations |
| 556 | | | ø | | · · · · <u>-</u> | 8.80 | ا. و) | <u> </u> | 17.0 | | | | (mg/L) | (1114) | | |
| ဝဝေ | | | 500 | | | 8.82 | | | | 82 | 0. | 19 | 3.42 | -15 | دله | AL |
| 400 | | | 1000 | | | 8.84 | | | 17.0 | 36 | 0. | דו | 3.11 | - 8 | 1 | |
| 1608 | | ······································ | 1500 | | | | | | 17-1 | 13 | ٥. | דו | 3.02 | - 3 | | |
| 1612 | | | | | <u>.</u> | 8.85 | | 78 | 17.1 | 12 | 0. | 17 | 2.94 | - 1 | + | |
| | | | 7000 | | · | B.86 | (e - | 76 | 17.1 | 10 | 0. | 16 | 2.90 | +1 | | ······································ |
| | | | | | ·········· | | - | <u>_</u> | | ····· | | | | | - | |
| Purge Star Time | | urge En Time | -(91 | ge Flow | | Gallons urged | Total C Volu Purg | mes | 80% Recovery Water Level Depth | at Sa | r Level impling (ft-bmp) | Colle | nple oction me | Sam | ple Identificat | ion |
| 1556 | 11 | 2١٥_ | 125 | Juin. | 26 | 00 MC | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | _ | 8.9 | 36 | الو: | 20 | NW- | i . | |
| Notes: | | | | | | | | | | | | 1.00 | | inm - | 12 d . | |



| Project N | o.: F | MSOO | ion Valle | , | | | | | Date | | -11-0 | | | | | |
|--|----------|-----------------|-------------------------------|---------------------------------------|-------------------|------------------------|---------------------------------------|----------|-------------------------|-----------------|-----------------------------------|--------------------|-------------------------------|-----------------------|---|--|
| Well Iden | | | | 12LF | - | | · · · · · · · · · · · · · · · · · · · | | | | y: Micha | el Sci | enone | | , | ***** |
| | | | escription | TOC | 4-4 | | | | | ther: | | | | cr ee n: | | |
| | | | -scription | 1. 100 | TOITH | | | | Pum | p Intak | e: 35 | <u>'</u> | | | | ······································ |
| Depth (LNAP) (ft-bm) | L | Stati Level | pth to c Water (ft-bmp) | 1 | rotal t-bmp | Depth) | Wate Colur Helg (ft) | nn ht | LNAPL Thick (ft-bmp) | E E | One (1 Volume |) Casin (gailor | g Ca 15) Vok | sing umes lons) | Above Screen Volume | Screen Volume |
| NA | | 9.0 | 2 | 39 | ·50 | , | | | NA | | _ | | | | | |
| Well D | ia4 | | | Ga | llons/ | Foot | | F | ield Equipment | He | riba 2 ot- | 200 014 | | | | • |
| ************************************** | | or (110) | 0.75 | 2 | | 4 | 6 | +- | urge Method: | | | | mp Lo | | | |
| 0.75 2 |) 4 | ‡ e | 0.02 | 0.1 | 3 | 0.65 | 1.47 | | Veil Condition: | | rage hou | <u>, Ai</u> | | | | |
| Time | Casing | / Screen | Volume Purged (gallons) | Flow (gp | | Wate Leve (ft-bm | # F | рН | Temperature (°C) | Turbidi (NTU | ty Cond | uctivity | Dissolved Oxygen (mg/L) | ORP (mV) | Obs | ervations |
| 934 | <u> </u> | | φ | ļ | <u></u> . | 9.15 | .ف | 91 | 15.8 | 42 | 0.1 | 5 | 4.04 | - 4 | | |
| 937 | | | 500 | | | 9.30 | ن م | 78 | 15.8 | 25 | 0.1 | 6 | 3.69 | 4 4 | معا | <u> </u> |
| 940 | | | 1000 | ļ | | 9.31 | . وي | 79 | 16.2 | 24 | 0.1 | | 3:47 | +8 | | |
| 943 | | | 1560 | | | 9.30 | ۱ م | 80 | 16.1 | 25 | 0.0 | | 3.15 | + 9 | | |
| 946 | · | | 2000 | | | 9.30 | ٠ (. ا | 80 | 15.9 | 23 | 0. | · | 3.13 | | | |
| | | | | | | | | | | | | | 5.15 | 711 | | |
| | | | | | | | | | 200/ | | | | | | | |
| Purge Start Time | P | urge En Time | - (g | ge Flow pm) - | | Gallons rged | Total C Volu Pur | mes | B Hecovery | at S | ter Level Sampling (ft-bmp) | Colle | nple ection me | San | nple Identificat | ion |
| 934 | 0 | 146 | ILET A | min | 20 | 00 ~~ | | | | 9 | 30 | 944 | | | | |
| Notes: | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | ाप१ | 2 | MW-1 | 2 LF | |



| Project | | | | | KOCK | | | | | Date | : 12- | 11-07 | | | | | |
|-------------------------|-------------|--------------|-------------|------------------------------|--------------|-------------------|-------------------------|--------------------------------|----------|-------------------------|-------------------|---------------------------------|-----------------------|--|--------------------------------|--|--|
| Project Well Ide | | | | | | | | | | Prep | ared By | : Mich | ael Sch | enone | | | |
| | | | | <u> - WL</u> | | | | | | Weat | iher: | | | 84 | creen: | | |
| measure | men | T POIN | Des | cription | TOC | North | | | | Pum | p intak | : 19 | | ı | | | |
| Dopth LNAI (ft-bn | PL np) | St | | h to Nater I-bmp) | Well 1 | rotal I It-bmp | - | Wate Colum Hoigh (ft) | nn ht | LNAPL Thick (ft-bmp) | | - | l) Casin • (gallor | g Cas (s) Volu | e (3) sing imes lons) | Above Screen Volume | Screer Volume |
| NA | | 7 | .19 | | 22 | . نو ج | 5 . | | | NA | | | _ | _ | - | - | _ |
| Well i | Diam | eter (le | n) | | Ga | ilons/l | Foot | • | F | leid Equipment: | Hor | iba, 2 s | lage pui | mp- Le: | w - 41 | (C) | |
| | | | | 0.75 | 2 | | 4 | 6 | Pt | urge Method: | | age pur | | - | ۱-۶ - د | • | |
| 0.75 | <u>2) </u> | 4 | 6 | 0.02 | 0.1 | 6 | 0.65 | 1.47 | W | ell Condition: | 6 | 000 | | | | | |
| Time | Cas | ing / Screi | en l | Volume Purged gallons) | Flow (gp | | Wate Leve (ft-brr | o. g le | Н | Temperature (°C) | Turbidit (NTU) | | ductivity | Dissolved Oxygen (mg/L) | ORP (mV) | Obs | ervations |
| 958 | - | | | \$ | - | · | 7.30 | ے (ړ.د | 18 | 17.1 | 41 | 0. | 29 | 3.19 | -105 | داده | |
| 001 | | | | 250 | | | 7.35 | ا.ما ک | ا ما | 17.4 | 38 | ٥. | 38 | 2.94 | -132 | 1 | |
| 007 | _ | | | 500 | | | 7.3 | 5 (0. | 70 | | 33 | ٥. | 39 | 2.88 | -138 | | |
| 010 | | | | 000 | · | | 7.35 | | 11 | 17.4 | 30 | 0 | 39 | 2.75 | -139 | | ······································ |
| 0.0 | - | | | 000 | | | 7.39 | 5 (o | 72 | 17.3 | 29 | 0. | 40 | 2.78 | -140 | 4 | |
| | | | | | | | | | | | | | | | | | |
| Purge Sta Time | art | Purge Tim | | - (86 | | | Gallons irged | Total C Volum Pung | mes | Mecovery | at S | er Level ampling (ft-bmp) | Colle | mple action me | Sam | nple Identifica | tion |
| 958 | | 1010 |) | 83 ~ | min | 100 | W.C | | | | .ما | | 101 | 1 | MW - 5 | ــــــــــــــــــــــــــــــــــــــ | |
| lotes: | | | | | | | | | | | | | 101 | <u>- </u> | ~w- 5 | ρŒ | |



TAIT Environmental Management, Inc.

| Project N | No.: E | M500 | on Valley | | | | | | Dat | D: 12 | ~11-0 | 7 | | | | |
|-------------------------|--------|------------------|-----------------------------|--|----------------|--|----------------------------|-----------|------------------|------------------|---------------------------------|-------------------|---------------------|--|---------------------------|--|
| Well Ider | | | MW - 3 | - | | | | | Pre | pared B | y: Mich | nel Sc | henone | ······································ | | |
| | | | escription | TOC | Mante | <u> </u> | <u> </u> | | | ther: | | | | Screen: | ···· | |
| | 1 | | | | 1011 | | | | Pur | np Intak | e: 11' | | 1 | | | |
| Depth LNAP (ft-bm | L | Static | oth to Water (ft-bmp) | | Fotal ft-bm | Depth p) | Wat Colu Heig (ft | mn jht | | 1 | One (1 Volume |) Casir (gaile | ng C | ree (3) asing dumes | Above Screen Volume | Screen Volume |
| NA | | 7.9 | 5 | <u>lu</u> | .70 | | | | NA | | | | (94 | elions) | | |
| Well D | lamet | er (in) | | Ga | llons/ | Foot | | F | Field Equipmen | t: Ho | riha 9 et | | | | | - |
| | | _ | 0.75 | 2 | | 4 | 6 | _ | Purge Method: | | | | | m-410 | | |
| 0.75 2 | | 6 | 0.02 | 0.16 | 3 | 0.65 | 1.47 | + | Well Condition: | | tage pun | ıb | | -+100 | | |
| | | | Volume | | | | | | Well Condition: | ی | ood | | | | | |
| Time | Casing | / Screen | Purged (gallons) | Flow (gp | | Wate Leve (ft-bm | | рH | Temperature (°C) | Turbidi (NTU) | | luctivity | Dissolved Oxygen | | Obs | ervations |
| 1024 | | | ø | | | 8.14 | (g . | 91 | 17.6 | 96 | 0.3 | | (mg/L) | | | |
| 1028 | | | 500 | | | 8.23 | (4.1 | 89 | | 78 | | | 3.19 | - 143 | ر د د | 26 |
| 1031 | | | 1000 | | | 8.23 | ٠ ما | 81 | | | 0. | | 2.72 | -148 | | |
| 034 | | | 1500 | ······································ | | 8.24 | -+- | | | 81 | 0.3 | | 2.64 | -152 | | |
| 686 | | | 2000 | · | | 8.24 | - - | <u> </u> | | 84 | 0. | | 2.62 | - (55 | | |
| | | | | | | 1.64 | <u>.</u> | .78 | 17.8 | 79 | 0. | 32 | 2.60 | -156 | V | |
| | ··· | | | | | | | | | | | | | | | |
| Purge Start Time | | urge End Time | -(gp) | '')- | | Gallons urged | Total (Volu Pun | ımes | s Hecovery | , atS | er Level ampling (ft-bmp) | Colle | mple ection | San | nple Identificat | ion |
| 1024 | 10 | 38 | 143 ~ | min | 200 | 1m 0x | _ | | | 8 | .24 | 100 | | | | ······································ |
| Notes: | | ı | | | | | | | | | | _ (00 | יו ! | MW-3 | | |



| Project N | o.: E | MSO | ngr | n Valley | | | | ···· | | | | 12 - 11 | <u>`</u> | | | | | |
|-------------------------|--------|----------------|-------------|-------------------------------|---------------------------------------|-----------------------------|---------------------------|-----------------------------|------------------|----------------|---------------|----------------------------|------------------|----------|----------------------|---|---------------------------|------------------|
| Weli Iden | | | | MW- | 100 | | | | | | | | Micha | el Sci | 1enone | ** ************************************ | | |
| Measure | | | Dec | redation: | TOC | N - 4L | | | | | Veat | | | | 84 | creen: | | |
| | | | | -cription: | 100 | HOITE |) | | | ! | nmb | intake: | <u> ඉ</u> ′ | | , | | | |
| Depth LNAP (ft-bm | L | Sta | tic | h to Water (t-bmp) | | Total ft-bm _l | Depth p) | Wat Colu Heig (ft) | mn Jht | LNAPL TI | | | One (1 /olume | | g Car 15) Volu | ee (3) sing imes ions) | Above Screen Volume | Screen Volume |
| NA | | 니. | 90 | | ٩ | ·28 | | | | N | A | | | | (841) | - IONS) | | |
| Well D | amet | er (in | | | Ga | lions/ | Foot | | F | ield Equipm | ent: | Horib | a 2 ct | 200 0111 | mp | | | • |
| | | o. (111) | | 0.75 | 2 | | 4 | 6 | | urge Metho | · | | | | Low- | | | |
| 0.75 2 |) 4 | 1 | 6 | 0.02 | 0.1 | 6 | 0.65 | 1.47 | ┪ | Vell Conditio | | ري صو | | ib. | Cow- | -100 | | |
| Time | Casing | / Screen | | Volume Purged (gallons) | | Rate m) | Water Level (ft-bmg | | рН | Temperati | | Turbidity (NTU) | | uctivity | Dissolved Oxygen | ORP (mV) | Obs | ervations |
| 1053 | | | | ø | · | | 4.70 | | .49 | 1 16.0 | | 47 | <u> </u> | | (mg/L) | (1114) | | |
| 1055 | | | 7 | 250 | | | 4.70 | | 64 | - | - | 32. | 0.3 | <u> </u> | 3.11 | -132 | دلوه | |
| 1058 | | | 1 | 500 | | - | 4.70 | - | <u>.</u> 7ما. | | | | | | 3.27 | -106 | | |
| 1100 | | | | 750 | · · · · · · · · · · · · · · · · · · · | | 4.71 | | 75 | , | | 33 | 0.1 | | 3.26 | -103 | | |
| 103 | | | 1 | 1000 | | | 4.71 | | .76 | 1.0.5 | | 24 | 0. | | 3.25 | -94 | | |
| 106 | | ·· | | 1250 | · · · · · · · · · · · · · · · · · · · | | 4.71 | | .77 | | | 18 | 0. | · · | 3.25 | - 94 | | |
| 108 | | | ı | 500 | | | 4.71 | | . // 7გ | | · | 17 | 0. | | 3.25 | - 94 | | |
| 5 | | | | | | | 4. (1 | 0. | 00 | | | الم | 0. | 3ዓ | 3.24 | -92 | 1 | |
| Purge Start Time | | urge E Time | nd —— | Average (gp) | m)- | | Gallens irged | Total (Volu Pur | | Hecov | ery evel | Water at San Time (f | npling | Colle | nple action me | Sam | ple Identifical | tion |
| lo53 | 11 | 80 | | 100 m | min | 150 | w, | | | | | 4.7 | 1 | 1110 | | MW-1 | D e | |



TAIT Environmental Management, Inc.

| Project N | | | | y ROCK | - | | | | Date | : 12 | - 11-c | 7 | | | | |
|-------------------------|-----------------|---------------|-------------------------------|----------|-------------------|-----------------------------|--------------------------------|-------------|-------------------------|-------------------|--------------------------------|-------------------------|----------------------|--------------------------------|---------------------------------------|---------------------------------------|
| Project N Well-Iden | | | | | | | | | Prep | ared By | Mich | nael Sch | enone | | ···· | · · · · · · · · · · · · · · · · · · · |
| | | | MW | | ···· | ······ | | | Weat | her: | *** | | 54 | creen: | | |
| Measure | ment Po | int De | scriptio | n: TOC | North | · | | | Pum | p intake | : 24 | () | 1 | | | |
| Depth LNAP (ft-bm | L . | Static | th to Water (ft-bmp) | 1 | Total ft-bmp | | Wate Colum Heigh (ft) | nn ht | LNAPL Thick (ft-bmp) | | | (1) Casin le (gailer | g Car 18) Volu | e (3) sing imes lons) | Above Screen Volume | Screen Volume |
| NA | | 7.23 |) | 2.9 | 9.5V | 4. | | | NA | | | | | , | - | _ |
| Weil D | iameter | (in) | | Ga | llons/ | Foot | | F | ield Equipment: | Hori | ba. 2 s | stage ou | mp Lo | w = £1 | (04) | |
| | <u> </u> | (| 0.75 | 2 | | 4 | 6 | P | urge Method: | | age pu | | ر سه د | | | |
| 0.75 (2 | 4 | 6 | 0.02 | 0.1 | 6 | 0.65 | 1.47 | W | fell Condition: | <u>(-</u> | | | | | <u> </u> | |
| Time | Casing / S | creen | Volume Purged (gallons) | / | Rate om) | Wate Leve (ft-bm | el p | Н | Temperature (°C) | Turbidit (NTU) | | nductivity | Dissolved Oxygen | ORP (mV) | Obs | ervations |
| 1119 | | | ø | | | 7.45 | 7.0 | 9 | 18.1 | 7.5 | | .33 | (mg/L) 3.31 | -135 | | |
| 122 | <u> </u> | | 500 | <u> </u> | | 7.53 | 2 6.0 | 19 | 18.0 | 5.4 | | ·24 | 3.29 | -138 | رلو | عد |
| 130 | | | 1000 | - | | 7.57 | ع.م) ع | 34 | 18.0 | 4.3 | O | . 24 | 3.21 | -143 | | |
| 134 | | | 1500 | | ··· | 7.53 | 8.0 ﴿ | 32 | 17.9 | 1.8 | 0 | -24 | 3.04 | - 150 | | |
| 131 | ,,. | | 2000 | - | | 7.5 | 1 6.8 | 1 | 17.9 | 1,9 | 0 | . 24 | 2.99 | -153 | | |
| | | | | | | - | - | | | | | | | | | |
| Purge Star Time | | ge End ime | -4 | ige Flow | | Callons irged | Total C Volur Purg | mes | Hecovery | at S | er Level ampling (ft-bmp | Colle | mple ection me | Sai | mple Identificat | tion |
| 1119 | 11. | 34 | 133 | m hin | 300 | w_ 00 | - | | _ | 7. | 54 | 113 | 7 | N A 14 1 5 7 | , , , , , , , , , , , , , , , , , , , | |
| tes: | | ı | | <u> </u> | <u>'</u> | | <u> </u> | | | | <i>3</i> 7 | 113 | | MW-7 | 20 | |

Page 14 of 26

| Depti Static I Level (fi 7 · O 4 | MW - scription: h to Water t-bmp) 0.75 0.02 Volume | Well Tot (ft-b | ni Depth mp) | War Colu Heig (fr | imn ght t) | LNAPL T | Weathe Pump In hicknes emp) | ntake: | (0 ')ne (1) plume (| el Schei Casing (gallons) | Three Cas | creen: De (3) Bing Imes Ions) | Above Screen Volume | |
|---|---|---|---------------------------|--|--|--|--|------------------------------|--|---|---|---|---|--|
| Depti Static I Level (fi 7.04 | 0.75 0.02 Volume | Well Tot (ft-b | ni Depth mp) Q | Colu Heig (fi | imn ght t) | LNAPL T | Weathe Pump In hicknes emp) | ntake: | (0 ')ne (1) plume (| Casing | Three Ca: Voice (gail | ee (3) sing imes lons) | Screen Volume | Screen Volume |
| Depti Static I Level (fi 7 · O 4 | 0.75 0.02 | Well Tot (ft-b | ni Depth mp) Q | Colu Heig (fi | imn ght t) | LNAPL T (ft-b | hickne emp) | ss Q Vo |)ne (1) olume (| | Ca: Voit (gal | ing imes lons) | Screen Volume | |
| Static I Level (fi 7.04 or (in) | 0.75 0.02 | (ft-b | mp) Q | Colu Heig (fi | imn ght t) | (ft-b | omp) | Vo | omuke (| | Ca: Voit (gal | ing imes lons) | Screen Volume | |
| or (in) | 0.75 0.02 Volume | Gallor 2 | 1s/Foot | 6 | | | | | | | | | | . • |
| 6 Screen | 0.02 Volume | 2 | 4 | 6 | | Field Equipm | ent: | · | | | | | - | • |
| 6 Screen | 0.02 Volume | + | | 6 | | | | -Horiba | 2 sta | n a num | | 0-41 | | |
| Screen | Volume | 0.16 | 0.65 | | | Purge Metho | | 2 stage | | | | - (100 | | |
| Screen | | | 1 5.55 | 1.47 | _ _ | Nell Conditio | | C-Co | | | | | | |
| (| Purged gallons) | Flow Rate (gpm) | Wate Leve | el le | pΗ | Temperati (°C) | ure Tu | rrbidity NTU) | Condu | CHAICA (| Dissolved Oxygen | ORP | Obse | ervations |
| | ø | | | ''- - | .71 | 18.1 | | | | | (mg/L) | (mV) | | |
| | 500 | | 7.35 | 3 6 | .72 | | | | | —— | | | <u> </u> | re |
| | 1000 | | 7.41 | . ن ا | .72 | | | + | | | | | | , |
| | 1606 | | 7.4 | 7 (0 | .73 | | | | | | <u></u> | | | |
| | 2000 | | 7.49 | 6. | 72 | 18.2 | | - <u>-</u> | | | | <u> </u> | | |
| | | | | | | | | | | 1 / | .78 | -169 | <u> </u> | |
| | | | | | | | | | | | | | | |
| rge End Time | - (gpn | 1) | tal Gallons Purged | Volt | ume | s Recov | very Level | at Samp | gnik | Collectio | e on | Sam | ple Identificati | on |
| १०७ | 91 ml | min 2 | .000 M1 | _ | | | - | | | | | | | |
| Ţ | ge End | Soo loos loos 2000 ge End Average (gpn | ge End Average Flow (gpm) | 500 7.35 1000 7.41 1600 7.41 2000 7.49 7 | 500 7.38 6 7.44 6 7.47 6 7.49 7.49 6 7.49 7. | 500 7.38 6.71 6.72 6.72 6.73 7.47 6.73 7.49 6.72 7.49 6.72 6.73 6.73 6.72 6.73 6.72 6.73 6.72 6.73 6.72 6.73 6.72 6.73 6.72 6.73 6.72 6.73 6.72 6.73 6.72 6.73 6 | Soo 7.38 6.72 18.3 18.2 18.3 1 | Soo 7.38 6.71 18.1 2 | Soo 7.38 6.71 18.3 0.9 1000 7.44 6.72 18.2 1.7 18.0 7.47 6.73 18.2 0.5 18.2 0.5 18.2 0.9 0.9 18.2 0.9 0.9 18.2 0.9 0.9 18.2 0.9 0 | Soo 7.38 6.71 18.7 0.2 18.0 0.2 18.0 0.2 18.2 1.7 0.2 18.0 1.7 0.2 18.0 1.7 0.2 18.0 0.5 0.2 18.0 0.5 0.2 18.0 0.9 0.2 18.0 0.9 0.2 18.0 0.9 0.2 18.0 0.9 0.2 18.0 0.9 0.2 18.0 0.9 0.2 18.0 0.9 0.2 18.0 0.9 0.0 | Soo 7.38 6.71 18.7 2.1 0.24 2 1000 7.44 6.72 18.2 1.7 0.24 2 1600 7.47 6.73 18.2 0.5 0.24 2 2 2 2 2 2 2 2 2 | 7.34 6.71 18.1 2.1 0.24 3.02 | 1.34 6.11 18.1 2.1 0.24 3.02 -162 | Total Gallons Purged Pur |

| Project | No.: F | MSOO | ion Valle | <i>y</i> | | | ····· | | Date | : 12 | -11-0 | 7 | | | | |
|-------------------------|--------|------------------|-------------------------------|-------------|-----------------|--|-------------------------------|---------------|--|--------------------|----------------------------|----------|---------------------|------------------------|---------------------------------------|------------------------|
| Well Ide | | | | | | | | | Prep | ared By: | Micha | nel Sci | henone | | · · · · · · · · · · · · · · · · · · · | |
| | · | | MW- escription | <u> 45</u> | N - 41 | | | | Wea | ther: | | | 5 | creen: | | |
| | ŀ | OIII, D | oscapilor | 100 | HOLL |) | | | Pum | p intake | : 10 | 1 | l . | | | |
| Depth LNA! (ft-bn | PL, | Stati | pth to c Water (ft-bmp) | | Total ft-bm; | Depth P) | Wate Colur Helg (ft) | mn ht | LNAPL Thick (ft-bmp) | 1 | One (1 Volume |) Casin | g Ca 18) Vol | ee (3) sing umes | Above Screen Volume | Screen Volume |
| NA | | 5.0 | Φ | 12 | . 20 | | | • | NA | | | | (84) | lions) | | |
| Well I | Diamet | er (In) | | Ga | llons/ | Foot | - | F | ield Equipment | Horik | 12 D at | *** | mp L. | | - | • |
| | | (, | 0.75 | 2 | | 4 | 6 | - | urge Method: | | | | Low- | | | |
| 0.75 | 2) 4 | ϵ | 0.02 | 0.16 | В | 0.65 | 1.47 | - | Vell Condition: | | | | | | | |
| Time | Casing | / Screen | Volume Purged (gallons) | Flow (gp | | Wate Leve (ft-bm | 1 5 | <u>—</u> _ | Temperature (°C) | Turbidity (NTU) | Cond | uctivity | Dissolved Oxygen | ORP | 11 box | ervations |
| 1226 | | | ď | | · | 5.25 | | . 0 | | | | <u> </u> | (mg/L) | (mV) | Cos | ervations |
| 1229 | | | 504 | | | 5.30 | - | | - 3 | 146 | 0.3 | <u> </u> | 2.87 | -154 | mure | ٧ |
| 1233 | | | 1000 | | | 5.30 | | | | 128 | 0.3 | | 2.74 | - 140 | | |
| 1237 | | | 1500 | | | | | | 17.4 | 38 | 0.3 | 57 | 2.65 | -126 | Clear | e |
| 1240 | | | 2000 | | | 5.30 | (. · · | | | 5 5 | 0. | 37 | 2.67 | -122 | | |
| 244 | | | 2500 | | | | 7. ما | <u> </u> | 17.4 | 52 | 0.3 | 7 | 2.46 | -120 | 1 | |
| | | | | | | 5-30 | 6.7 | <u> </u> | ٧٠.٧ | 47 | 0.3 | 7 | 2.44 | -118 | 1 | |
| Purge Stal Time | | irge End Time | _(gr | | | Callons irged | Total C Volui Purg | mes | Recovery | at Sa | Level mpling ft-bmp) | Colle | nple oction | Sam | pple Identificati | on |
| l Z Z Lp Notes: | 17 | 244 | 139 ~ | min | 250 | 20 21 | | | | 5. | 30 | 1246 | 2 | nw- |) e | ····· <u>·</u> ······· |



TAIT Environmental Management, Inc.

| Project N | | | ion Valle 9C | <u>,</u> | <u> </u> | | | | Date | | 11-07 | | | | | | | |
|-------------------------|----------|--|-------------------------------|-----------|------------------------------|-----------------------------------|--------------|----------------|-------------------|--------------------|------------------------------------|----------------------|-----------------------|--------------------------------|---------------------------|------------------|--|--|
| Well Iden | | | MW- | 1 - = | <u>.</u> | | | | | ared By: | Micha | el Sci | enone | | | ··· | | |
| | | | escription | TOC | Ma-41 | | | | | Weather: Screen: | | | | | | | | |
| | | | | . 100 | NOIL | 1 | | | Pum | p intake: | 13/ | , | ı | | | | | |
| Depth LNAP (ft-bm | L | Static Water | | | Well Total Depth (ft-bmp) | | | or nn ht | n LNAPL Thickness | | One (1) Casing Volume (gallons) | | | e (3) sing imes ions) | Above Screen Volume | Screen Volume | | |
| NA | | 6.52 | | | 15.00 | | | - | NA | | | | (841) | ions) | | | | |
| Well D | lame | ter (in) | | Ga | llons | Foot | | F | eid Equipment: | Horit | n 2 ct | 900 000 | mp Lou | 2 51- | | - | | |
| Weil Diameter (in) | | | 0.75 | 2 4 | | | | | urge Method: | _2 sta | | | Low- | | - W | | | |
| 0.75 2 |) | 4 (| 0.02 | 0.1 | 6 | 0.65 | 1.47 | ┼── | eli Condition: | صی) | - : | ip- | | | | | | |
| Time | Casin | g / Screen | Volume Purged (gallons) | Flow Rate | | Water Level (ft-bmp | р | H | Temperature (°C) | Turbidity (NTU) | T | uctivity | Dissolved Oxygen | ORP | Obse | ervations | | |
| 1256 | | | ď | | | | 9. ه. ه. ه | | 17.6 | 640 | | | (mg/L) | (mV) | 1 | | | |
| 1259 | | | 250 | | | 6.95 | ٠.٤ | | 17.4 | | 0.3 | | 2:89 | -152 | geny | MURKY | | |
| 1302 | | | 500 | | · | 4.98 | ه. و | | 17.8 | 173 | 0.7 | · · | 3.17 | -139 | clear | | | |
| 1305 | | | 750 | | | 7.02 | | | | 41 | 0.2 | | 3.28 | -146 | | | | |
| (308 | | - | 1000 | | · · · · · · | 7.08 | | | 17.9 | 24 | 0.7 | | 3.09 | -148 | | | | |
| 1310 | | | 1250 | | | 7.12 | ري. | | (7.8 | 32 | 0.7 | | 2.97 | - 150 | | | | |
| 312 | | ······································ | 1500 | | | 7.14 | ري . | | 17.9 | 47 | 0.7 | | 2.94 | -150 | | | | |
| D | | | | l | · | | | | 17.8 | 43 | 6. | 29 | 2.92 | -152 | | | | |
| Purge Start Time | Time (gr | | je Flow om) | Purged | | Total Casing Volumes Purged | | | at Sar | Sampling Co | | nple oction ne | Sample Identification | | on | | | |
| 1256 1312 94 Notes: | | 312 | 94 m | min | min 1500 | | - | | - | 7.1 | V V | 1315 | | رw- (د | | | | |



TAIT Environmental Management, Inc

| Project No Project No | | | | - 4110) | NOCK | | | | | Date | : 12 | -11-07 | | | | | |
|-----------------------------|-------------|-------------------------------|----------|---------------------------------------|-----------|------------------------------|--------------|---|-------------|---|------------------|---------------------------------------|-----------------------|---------------------|---------------------------------------|---------------------------|------------------|
| Well Ident | | | | | | | | | | Prep | ared B | y: Michi | el Sci | enone | · · · · · · · · · · · · · · · · · · · | | · |
| Measuren | | | 1 | <u> </u> | 10 LF | - | | | | West | her: | | | 8 | cr oo n: | | |
| | TOIR F | Olist F | OSC | ription | : 1001 | AOLTH | | | | Pum | p Intak | e: 35 | , | , | | | |
| Depth t LNAPL (ft-bmp | | Static W | | Water Well T | | Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft-bmp) | | One (1) Casing Volume (gallons) | | g Car ns) Volu | e (3) sing imes lons) | Above Screen Volume | Screen Volume |
| NA | | 9.73 | | | 39.90 | | | | | NA | | | | | _ | | |
| Well Di | amete | r (in) | | | Ga | lions/ | Foot | | Fie | eld Equipment: | He | riba, 2 st | age pu | mp | - - 4 | امس | 1 |
| | 0.75 | | | 2 | 2 4 | | 6 | Pu | rge Method: | hod: 2 st | | יסר | ب وب | ~ \$10 u | ٠ | | |
| 0.75 (2 |) 4 | | 5 | 0.02 | 0.1 | 3 | 0.65 | 1.47 | W | ell Condition: | | ood | <u>·</u> | | | | |
| Time | Casing / | Screen | P | olume urged allons) | 1 | Flow Rate War Le (gpm) (ft-b | | l p | Н | Temperature (°C) | Turbidi (NTU) | | luctivity | Dissolved Oxygen | ORP (mV) | Obs | ervations |
| 1336 | | · | <u> </u> | ø | | 9.80 | | 9.80 6.8 9.80 6.8 | | 17.2 | 11.4 | 0. | ว น | (mg/L) 2 · 9 · 5 | -176 | clear | |
| 1339 | | · | 50 | >0 | | | 9.80 | | | 17.2 | ٠.١ | 0.25 | | 2.77 | -182 | ر د د | are_ |
| 1342 | | | 10 | 00 | | 9.80 | | ه. ي | 10 | 17.2 | 4.1 | 0.25 | | 2.70 | - 185 | - | |
| 1344 | | 1500 | | · · · · · · · · · · · · · · · · · · · | | 9.80 6.9 | | 97 | 17.2 | 2.6 | 0. | 26 | 2.63 | | | | |
| 1546 | | <u> </u> | 20 | XX D | ········· | ··· | 9.80 | ٠,٩ | 8 | 17.2 | 3.1 | 0. | 26 | 2.42 | -193 | 1 1 | |
| | | | - | | | | | | | , | | | | | | | |
| Purge Start Time | | urge End Average Time (gpr | | Purged | | Total C Volur Purg | nes | g 80% Recovery Water Level Depth | at S | Water Level at Sampling Time (ft-bmp) | | nple ection | Sample Identification | | | | |
| 1336 | 13 | 46 | | 200 m | min | 2006 M' | | - | | | 9 | .80 134 | | R | MW-10LF | | |
| lotes: | | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | ,,,, | | mw- | 10 FE | |



Project Name: Mission Valley Rock Date: 12-11-07 Project No.: EM5009C Prepared By: Michael Schenone Weli Identification: MW-Weather: Screen: **Measurement Point Description: TOC North** Pump Intake: \4' Water Depth to Depth to Three (3) **Well Total Depth** Above Column **LNAPL Thickness** LNAPL Static Water One (1) Casing Casing Screen (ft-bmp) Height Screen (ft-bmp) Level (ft-bmp) (ft-bmp) Volume (gallons) Volumes Volume Volume (ft) (gallons) NA 5.35 17.78 NA Gallons/Foot **Field Equipment:** Horiba, 2 stage pump Low-Flow Well Diameter (in) 0.75 2 6 **Purge Method:** -2 stage pump Low-flow 0.75 (2 ⁻ 0.02 0.16 0.65 1.47 Good Well Condition: Volume Water Flow Rate Time Dissolved Casing / Screen Purged Temperature **Turbidity** Conductivity Level ρН ORP (gpm) Oxygen (gallons) (°C) (S/m) (NTU) **Observations** (ft-bmp) (MV) (mg/L) ø 1358 5.50 6.9; 17.7 55 0.35 2:93 -182 clear 1400 250 5.55 6.94 17.9 10.5 0.37 2.59 -180 1402 500 5.55 6.95 18.0 4.4 0.37 2.57 -180 1404 750 5.55 6.95 18.0 7.1 0.37 2.54 -181 1406 1000 5.55 4.96 18.0 5.1 0.37 -181 2.52 80% Purge Start Purge End **Total Casing** Average Flow Total-Gallons Water Level Sample Recovery Time Volumes Time -(gpm)at Sampling Purged Collection Water Level Sample Identification Purged Time (ft-bmp) Time Depth 83 ml /mm 1358 1406 1000 ml 5.55 1408 MW-1 Notes:

Page 19 of 26

Project Name: Mission Vailey Rock Date: 12-11-07 Project No.: EM5009C Prepared By: Michael Schenone Weil Identification: MW-9LF Weather: Screen: **Measurement Point Description: TOC North** Pump Intake: Water Depth to Depth to Three (3) **Well Total Depth** Column Above LNAPL **LNAPL Thickness** Static Water One (1) Casing Casing Screen (ft-bmp) Height Screen (ft-bmp) (ft-bmp) Level (ft-bmp) Volume (galions) Volumes Volume Volume (ft) (gallons) NA 7.04 39.11 NA Gallons/Foot Field Equipment: Horiba, 2 stage pump Low - flow Well Diameter (in) 0.75 2 4 6 Purge Method: 2 stage pump — Low-Flow (2 0.75 4 6 0.02 0.16 0.65 1.47 Well Condition: Good Volume Water Flow Rate Time Dissolved Casing / Screen Purged Temperature Turbidity Conductivity Level рΗ ORP (gpm) Oxygen (galions) (°C) (NTU) (5/m) **Observations** (ft-bmp) (mV) (mg/L) 1418 ർ 7.13 7.15 17.6 3.7 0.23 2.69 -185 clear 1420 500 7 28 7.13 17.5 3.1 0.22 - 185 2.60 1422 1060 7.28 7.10 17.4 4.3 0.21 2:41 - 185 1425 1500 7.28 7.08 17.3 3.8 0.21 2.59 -185 1428 7.000 7.28 17.3 7.07 3.2 2.58 0.21 - (85 80% **Purge Start** Purge End **Total Casino** Average Flow Total Gallons Water Level Sample Recovery Time Time Volumes (gpm)at Sampling Purged Collection Water Level Sample Identification Purged Time (ft-bmp) Time Depth 200 m1/ . 1418 1428 2000 min 7.28 mL 1430 MW-ALF Notes:



| Project | No.: | EM500 | ion Valle 9C | | | ···· | | | Date | 12. | -11-0 | 7 | | | ** | |
|-------------------------------|---------------------|------------------|-------------------------------|---------------------------------------|------------------------------|---|--|----------------|---|----------------------------|---------------------------|---------------------|---------------------------------------|--------------|---------------------------------------|------------------|
| Well Id | | | MW- | 7 c | | | · | | Prep | ared By: | Mich | ael Sc | henone | | 4 | |
| Measur | ement | Point D | escription | · TOC N | lo-th | | | | Wea | ther: | | | · · · · · · · · · · · · · · · · · · · | Creen: | <u></u> | |
| | | | | | OLCH | | | | Pum | p Intake | : ප | | 1 | | · · · · · · · · · · · · · · · · · · · | |
| Depth to LNAPL (ft-bmp) | | Static Water | | | Well Total Depth (ft-bmp) | | | er on ot | n LNAPL Thickn | | | | g Ca rs) Voli | sing | Above Screen Volume | Screen Volume |
| N/ | \ | 4.55 | | 8.71 | | | | | NA | | | | | lons) | | |
| Well | Diame | ter (in) | | Gail | ons/Fo | ot | · | Fle | eld Equipment: | Horit | na 2 c | 2000 000 | | | * | • |
| | 7_ \ | | 0.75 | 2 | | 4 | 6 | | rge Method: | | | | mp, co | | <u> </u> | |
| 0.75 | (2) | 4 6 | 0.02 | 0.16 | 0. | 65 | 1.47 | | oll Condition: | | se pui | | <u> </u> | #10W | | |
| Time | Casing / Screen Pur | | Volume Purged (gallons) | ged Flow Rate | | Water Level (ft-bmp) | pl | | Temperature (°C) | Turbidity (NTU) | Conc | luctivity | Dissolved Oxygen | ORP | ` | |
| 440 | | | ø | | (b-le9 | | ه. ي | 94 14.9 | | | <u>~</u>) | (mg/L) | (mV) | Observations | | |
| 444 | <u> </u> | | 125 | | | | 9.0 | | 4.6 | 0. | | 2.76 | -175 | | | |
| 449 | | | 250 | | | c .85 | 8. ب | 2 | + | | 0. | | 2.45 | -175 | 1 | |
| 454 | <u> </u> | | 375 | | | 6.92 | 8.0 | | 16.9 | 8.4 | | 22 | 2-43 | -175 | | |
| 458 | ļ | | 500 | | (| 6.99 | | | 17.0 | 5.2 | + | 22 | 2.40 | -176 | +-+- | |
| | - | | | | | | | | | ٣٠٦ | 0 | .22 | 5.40 | -176 | V | |
| | 1 | } | | · · · · · · · · · · · · · · · · · · · | | | | | | · | | | | | | |
| Purge Sta Time | | urge End Time | -(gpr | m) Pur | | Gallone Irged Total C Volun Purg | | 106 | 80% Recovery Water Level Depth | Water at Sar Time (f | Level npling t-bmp) | San Colle Tin | ction | Samp | le Identificati | on |
| 1440 Notes: | | 458 | 28 min | | 500ml | | | | - Dopin | | (ه ۹۹ د ک | | | MW-2s | | |

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| Project I | ło.: E | M500 | 9C | | | | | | Date | | -11-0- | | | | | | | |
|-------------------------------|-------------|--|-------------------------------|------------------------------|------------------------------|-------------|----------------------------------|--------------------------------------|---|---------------------------------------|--------------------|------------------------------------|----------------------|--|---------------------------------------|------------------|----------|--|
| Well Ide | | | MW- | lic | <u>-</u> - | | | | | | y: Micha | el Sci | henone | | · · · · · · · · · · · · · · · · · · · | | | |
| | | | escriptio | ·· TOC | Node | | · | | Weather: Screen: | | | | | | | | | |
| | İ | | | 1.100 | HOILI | <u> </u> | | | Pum | p Intak | e: 9' | | 1 | ······································ | · · · · · · · · · · · · · · · · · · · | | | |
| Depth to LNAPL (ft-bmp) | | Depth to Static Water Level (ft-bmp) | | | Well Total Depth (ft-bmp) | | | Water Column LN Height (ft) | | LNAPL Thickness (ft-bmp) | | One (1) Casing Volume (gallons) | | sing | Above Screen Volume | Screen Volume | | |
| NA | | 7.27 | | | 9.43 | | | | NA | | _ | | (94. | (gallons) | | | | |
| Weil D | iamet | er (in) | | G | ilons/ | Foot | | Fie | eld Equipment | : Ho | riba, 2 st | age nu | mp. Les | | | • | | |
| | | | 0.75 | 2 | | 4 | 6 | Pu | irge Method: | | | | - 6w - | | | | | |
| 0.75 (2 | | 6 | 0.02 | 0.1 | 6 | 0.65 | 1.47 | W | ell Condition: | | and and | 'P | | | · | | | |
| Time | Casing | / Screen | Volume Purged (gallons) | | Rate Wate Leve | | | pН | Temperature (°C) | Turbidi (NTU) | | uctivity | Dissolved Oxygen | ORP (mV) | Obse | ervations | | |
| 522 | | | ø | | | 7.34 | | 47 | 16.9 | 10.4 | | | (mg/L) | | | | | |
| 527 | | - | 500 | | | 7.47 6 | | 78 | 8.51 | 8.6 | 0.19 | | 2.81 | -168 | cleo | e | | |
| 531 | | | 1000 | | | 7.51 6.9 | | 80 | 17.9 | وا، ما | 0.19 | | 2.61 | -149 | | | | |
| 536 | | 1500 | | | 7.55 | | | 82 | 18.0 | 5.7 | 0.19 | | 2.55 | -171 | | | | |
| | | | | | <u>-</u> | | _ | | 1010 | 3 - 1 | - 0 . | · - | 2.54 | -172 | 1 | ·- | | |
| | | - | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| | 1 | | | | | | | | | | | | | | | | | |
| Purge Star Time | ne Time | | -(9 | ge Flow Total Gallons Purged | | | Total Casin Volumes Purged | | g 80% Recovery Water Level Depth | at S | Sampling Co | | mple ection me | Sample Identification | | | | |
| 1522 | \ | 1536 | | 1536 107 m | | חוות ליח לכ | | 00ml | <i>,</i> 1 – | | | 7. | 55 | 153 | <u>a</u> | | <u> </u> | |
| iotes: | | | | | | | | | | | | 13 5 | סי | MM- | 115 | | | |



| Project | No.: E | EM500 | 9C | | · | | | | | Dat |) : [7 | 2-11 | -07 | <u></u> | | | | | |
|-------------------------|----------|-------------------|-------------------------------|---------------|----------------|---------------------------------------|---------------|-------------------------------------|-------------|--|----------------|-------------------------------|--|-------------------|----------------------|-------------|----------------------|---------------------------------------|--------------|
| Well Ide | | | MW-1 | ~ 1 | | | | | | Рге | ared E | ly: M | licha | iel Sc | henon | Э | | | 3 |
| | | | escription | TOC | NI41 | · · · · · · · · · · · · · · · · · · · | | | | Wea | ther: | | | | | Se | creen: | | |
| | | | - Scription | : 100 | HOIT | <u> </u> | | | | Pun | p Inta | ke: | 16 | , | 1 | | | · · · · · · · · · · · · · · · · · · · | |
| Depth LNAF (ft-bn | L | Stat | pth to c Water (ft-bmp) | | Total ft-bm | Depth p) | Col: Hei | i te r umn ight 't) | . | LNAPL Thic (ft-bmp | | | |) Casii (gallo | | Cas Voiu | e (3) sing mes | Above Screen | Screen |
| NA | | & | .81 | la | 9€∙ | > . | | | | NA | | | ······································ | | | (gail | ons) | | |
| Well [| Diamet | er (in) | | Ga | llons | Foot | | 1 | Field | i Equipment | : Ho | riha | 2 etc | 200 54 | 900 | | - c | - | - |
| | | , | 0.75 | 2 | | 4 | 6 | | | e Method: | | tage | · | | | | Flour | | <u> </u> |
| 0.75 | <u> </u> | 4 6 | 0.02 | 0.1 | 6 | 0.65 | 1.47 | | | Condition: | | ood | pairi | <u> </u> | | | - (60 | | |
| Time | Casing | /Screen | Volume Purged (gallons) | | Rate m) | Wate Leve (ft-bm | | pН | | Temperature (°C) | Turbic (NTU | lity | Condi | uctivity | Disso Oxyg | en | ORP | <u> </u> | Observations |
| 550 | | | ø | | | 8.99 | - | .70 | a | 17.8 | | | <u> </u> | | (mg/ | · | ·(mV) | | |
| 554 | | | 500 | | | 9.17 | | . \$ 7 | | 17.7 | ڪاھا | | 0.3 | | 2:9 | | -186 | M | exy |
| 557 | | | 1000 | | | 9.17 | | .90 | | 17.6 | 329 | | Ø · ` | | 2.6 | > | -207 | | |
| 600 | | | 1500 | | | 9.17 | - | .07 | | 17.6 | 253 | | 0. | | 2.5 | | -212 | | |
| 403 | | | 2006 | ······· | - | 9.1 | | .04 | | 17.6 | 242 | | 0. | | 2.5 | + | -213 | | |
| | | | | | | | | | <u>'</u> | 11.0 | 255 | | 6.1 | 42 | 2.5 | 3 | - 214 | 1 | / |
| | <u> </u> | | | | | | | | | ·— <u>———</u> | | _ | | | | | | ļ | · |
| Purge Star Time | t P | urge End Tirne | -(gr | m) | | Gallene urged | | Cas lume irgec | 8 | 80% Recovery Water Leve Depth | at | ater Le Sampli e (ft-bi | ing | Colle | mple ection me | | Sam | ple Identi | fication |
| 1550 | 10 | ७०७ | 154 ^ | min | 200 | W/ | - | _ | · | | + | .17 | | الود | | | · | 1 | į |
| Notes: | | ı | | | | | | | | | ' | , | | 1 00 | 2 2 | M | W-10 | Ь | n |



| Project | No.: E | M500 | ion Valley | | | | | | Date | 12. | -12-0 | 7 | | | | |
|-------------------------|-------------|------------------|-------------------------------|-------------|--------------|---------------------------------------|--------------------------------|--------------|--|--------------------|------------------|--------------------|---------------------|--------------------|---------------------------|------------------|
| Well Ide | | | MW-1 | 14 | | | | | Prep | ared By: | Mich | ael Sc | henone | | | |
| | | | escription | TOC | locth | · · · · · · · · · · · · · · · · · · · | | | Wea | ther: | | | | creen: | | |
| | | | | | TOI Ch | · | | | Pum | p Intake | : اله | , | 1 | | | |
| Depth LNAI (ft-bn | PL | Stati | oth to Water (ft-bmp) | Well 1 | otal t-bm | - 1 | Wate Colun Heigi (ft) | nn ht | LNAPL Thick (ft-bmp) | | One (1 Volume | l) Casir (gallo | ng Ca ns) Vol | sing umes | Above Screen Volume | Screen Volume |
| NA | | 7. | 75 | 20 | . 50 | > . | | | NA | | | | | ilons) | | |
| Well [| Diamet | or (in) | | Gal | lons/ | Foot | | Flo | eid Equipment | Horit | na 2 et | 200.01 | mp \ | | - | • |
| | | ` ' | 0.75 | 2 | | 4 | 6 | 1 | irge Method: | | ge pun | | | | | |
| 0.75 | 2) 4 | 1 6 | 0.02 | 0.16 | | 0.65 | 1.47 | | ell Condition: | | ac ban | ıb | <u> </u> | 3- 6 /0 | <u> </u> | |
| Time | Casing | / Screen | Volume Purged (gailons) | Flow F | | Water Level (ft-bmp | q | Н | Temperature (°C) | Turbidity (NTU) | <u> </u> | luctivity | Dissolved Oxygen | ORP | | |
| 930 | | | φ | | | 7.79 | 7.7 | | 15.0 | | | ··· | (mg/L) | (mV) | Obse | ervations |
| 935 | | | 508 | | | 7.90 | 7.1 | | | 935 | 0. | 22 | 3.33 | -125 | MUE | KU |
| 940 | | | 1000 | | | 7.95 | 7.0 | | 17.4 | 124 | 0. | 17 | 2.98 | -151 | clea | <u> </u> |
| 945 | | | 1500 | ······ | | 8.02 | ه. ه | | 17.5 | 81 | 0. | 17 | 2.96 | -157 | | |
| 950 | | | 2000 | | | 8.05 | ٠. وي | <u> </u> | 17.5 | 83 | 0. | 17 | 2.93 | -160 | | |
| 956 | | | 2500 | | | 8.09 | 6.9 | | 17.5 | 79 | 0. | 17 | 2.89 | - 161 | | |
| · | | | | | ·— | | G | | 17.5 | 81 | 0. | છ | 2.88 | -163 | | |
| Purge Star Time | t Pi | urge End Time | Average _ (gpr | Flow | | Gallons rged | Total C Volun Purg | nes Î | Recovery Water Level | at Sar | | Colle | nple oction | Sami | ple Identificati | On. |
| 930 | ٩ | 56 | 96 ml | min | 25c | 0 | | | Depth | 8.0 | (t-bmp) | Ti | me | | Ĭ | |
| Notes: | | i. | | | | 4-1 | | | | | 77 | 1000 |) | MW-1 | /q | |



| Proje | ct No | .: EM5 | 009 | on Valley C | | | | | | Da | ete: | ۲ - ۱ | Σ-0 <u>-</u> | 7 | | | | |
|-----------------|-------------------------|---------------|----------|-------------------------------|---------------------------------------|----------------------------|-----------------------------|--------------------------|----------------------|---------------------|---------------|------------------------------|-----------------|---------------------|---------------------|---------------------------|---------------------------------------|------------------|
| | | fication | | MW- | 1.1 | | | ···· | | Pr | epared | By: | Micha | ael Sci | nenone | | · · · · · · · · · · · · · · · · · · · | |
| | | | | scription: | TOC | W - 41 | | ······ | | W | eather: | | | | | Screen: | | |
| | | - 1 | | 2011Pt/Off: | 1001 | TORE | <u> </u> | | | Pu | ımp İnt | ake: | 2.4 | 1 | r | | | |
| LN | pth to IAPL -bmp) | St | atic | th to Water ft-bmp) | | ľotal t-bm _l | Depth p) | Wa Colu Hei (fi | ımn ght | LNAPL Th | | | One (1 olume |) Casin | g C | ree (3) asing iumes | Above Screen Volume | Screen Volume |
| ! | NA | | 7 . 8 | o | 20 | ۱.۱۹ | 5. | | | NA | | +- | | - | | alions) | | |
| We | il Dia | meter (i | n) | | Ga | lons/ | Foot | | ı | Field Equipme | nt: + | loribs |) O ct | 200 500 | | | - | - |
| | _ | · | | 0.75 | 2 | | 4 | 6 | _ | Purge Method: | | | | | | - flou | | |
| 0.75 | (2) | 4 | 6 | 0.02 | 0.16 | 3 | 0.65 | 1.47 | | Nell Condition | | 700 | | | | - 4-100 | | |
| Time | C | Sasing / Scre | t t | Volume Purged (gallons) | Flow I | | Wate Leve (ft-bm | | pН | Temperature (°C) | <u> </u> | idity | Cond | uctivity | Dissolved Oxygen | ORP | 01- | |
| 012 | | | | œ | | | 7.88 | | .78 | | | | - | <u>~)</u> | (mg/L) | (mV) | Oose | ervations |
| 015 | _ | | | 500 | | | 7.97 | | .91 | | 50 | | 0. | | 3.98 | -1601 | clea | مو |
| 810 | | | 1 | 000 | · · · · · · · · · · · · · · · · · · · | | 8.00 | | 8 6 | | | | 0. | | 3.70 | -161 | \ | |
| 021 | | | | 500 | | - | 8.00 | | 88 | | 27 | | 0. | 19 | 3.59 | -160 | | |
| 025 | | | | 2000 | | | \$.00 | | 89 | | 25 | | 0. | | 3.55 | -160 | | |
| | | | | | | | | | 01 | 17.2 | 2.6 | | 0.7 | 20 | 3.52 | -161 | | |
| | | | | | | | | | | | | | | | | | - | |
| Purge S Time | • | Purge Time | ∍ | Average -(gpn | ** | Total Pu | Gallon s rged | | Casi umes rged | s Hecover | ai ai | /ater L t Samp ne (ft- | oling | San Colle Tin | ction | Sam | ple Identificati | on |
| lotes: | | 102 | <u> </u> | 154 2 | min | 200 | >D | - | | Depart | | 3.00 | | 1030 | | | į | |
| ra2! | | · | | | | | | | | | | | | 10 20 | , | MW-L | ed | |



| Project | No.: | EM500 | ion Valle) 9C | | | | | | Date | : 12 | -12 - | 07 | | | | |
|----------------------|--------------|------------------|-------------------------------|------------------|-----------------|----------------------------|--------------------------------|--------------|---|--------------------|--------------------------|---------------------|---------------------|---------------------------|---------------------------------------|------------------------------|
| Well Ide | | | MW-0 | 7 | | | | | Prep | ared By: | Mich | ael Sc | henone | | | |
| | | | escription | · TOC N- | | | | | Wea | ther: | | ············ | | Screen: | · · · · · · · · · · · · · · · · · · · | |
| | | Ţ | | | H TA | | | | Pum | p Intake | : 20 | 5/ | 1 | | · · · · · · · · · · · · · · · · · · · | |
| Dept LNA (ft-b | PL | Stati | pth to c Water (ft-bmp) | Well To | tal Do | - 1 | Wate Colum Heigh (ft) | nn ht | LNAPL Thick (ft-bmp) | ì | | i) Casir (galio | a C | ree (3) asing lumes | Above Screen | Scr een Volume |
| N/ | 1 | 6.7 | 1 | 24.2 | 8 | | | | NA | | | | (9: | ailons) | Volume | |
| Well | Diame | ter (in) | | Gallo | ns/Fo | | | Fie | id Equipment: | . Hosii | | | | | - | - |
| | | (1,1,1) | 0.75 | 2 | | 4 | 6 | 1 | rge Method: | | | age pu | <u> </u> | ous-Fi | • | |
| 0.75 | 2) | 4 6 | 0.02 | 0.16 | 0 | .65 | 1.47 | | il Condition: | | စေရ ae bnu | <u>пр</u> | Low. | - 4 100 | <u></u> | |
| Time | Casing |]/Screen | Volume Purged (gallons) | Flow Ra (gpm) | | Water Level (ft-bmp) | p | <u> </u> | Temperature (°C) | Turbidity (NTU) | Cond | luctivity | Dissolved Oxygen | ORP | | |
| 1039 | | | 6 | | | (n.71 | و) | 77 | 16.7 | | (5/1 | | (mg/L) | (mV) | Obse | ervations |
| 1043 | <u> </u> | | 500 | | | 6.93 | . و | | 17.1 | 53 | 0. | | 3:44 | - 156 | clea | 28_ |
| 1047 | <u> </u> | | 1000 | | - | 6.96 | 6.7 | | 17.3 | 39 | 0. | | 2.77 | -165 | | |
| 051 | | | 1500 | | | 7.00 | 6.7 | | 17.3 | 31 | 0. | | 2.79 | - 179 | | |
| 055 | - | | 2000 | | | 7.04 | ٠.7عا | | 17.3 | 35 | 0. | | 2.78 | - 181 | | |
| | | | | | | | | | | | 0.3 | 54 | 2.78 | -183 | V | |
| - | 1 | | | | | | | | | | | | | | | |
| Purge Sta Time | art P | urge End Time | (gpr | 11) | otal Ge Purg | 4110113 | Total Ca Volum Purga | າອຣັ | 80% Recovery Water Level Depth | at Sar | Level | San Colle Tir | | Sam | ple (dentificati | on |
| 1039 | 1 | 055 | 125 M | min 20 | 200 | | | | Debtu | 7.0 | • • • | 1100 | | | į. | |
| lotes: | | | | | | | | | | | 1 | 1100 | ر | Mw- | 4d | |

Groundwater Sampling Data Sheet

| Project | No.: | EM500 | ion Valle | | | | | | | Date | : 12 | -12- | 67 | | | | | |
|------------------------|-----------|------------------|----------------------------------|----------------|----------------|------------------------|-------------|----------------------------|-------------|--------------------------------|--------------------|---------------------------------------|----------------------|--------------------|--|-------|---------------------------|---------------------------------------|
| Well Ide | | | MW- | 7.4 | | | | | ·- <u>-</u> | Prep | ared By | : Mich | ael Sc | henone | | | | |
| Measur | ement | Point E | escriptio | n: TOC | Nort | <u> </u> | | · | | Wea | ther: | | | | Sci | reen: | | |
| | | | | | .,,,,,, | | T | | | Pum | p intake | : 20 | . / | t | ······································ | | | |
| Depti LNA (ft-bi | PL mp) | Stat | pth to ic Water i (ft-bmp) | [| Tota (ft-bn | Depth | Cole Hei | ster umr ight it) | ı LN | IAPL Thici (ft-bmp) | | | 1) Casi: • (gailo | ng (ns) V | Casi olun | nes | Above Screen Volume | Screen Volume |
| N.A | 1 | (o· | 38 | 2 | 3 · G | »1. | | | | NA | | · · · · · · · · · · · · · · · · · · · | | (8 | alio | | | |
| Well | Diame | ter (in) | | G | allons | /Foot | <u> </u> | | Field I | Equipment | . Hori | ho 0 - | A | | | | - | • |
| | | (313) | 0.75 | 2 | : | 4 | 6 | _ | | Method: | | | | mp (| | | low_ | · |
| 0.75 | 2) | 4 (| 0.02 | 0. | 16 | 0.65 | 1.47 | | | ondition: | | ood ood | mp | روس | - - | -اهس | | |
| Time | Casing | / Screen | Volume Purged (gallons) | 1 | Rate | Wate Leve (ft-br | el | рH | | emperature (°C) | Turbidity (NTU) | Con | ductivity | Dissolve Oxygen | | ORP | | |
| 1118 | | | ø | | | 6.50 | | ۰.9 | | | | <u> </u> | <u>~</u>) | (mg/L) | | (mV) | Obs | servations |
| 1121 | <u> </u> | | 250 | | | 6.71 | | .91 | | (b. 4 (c. 2 | 33 | - | 26 | 3.15 | | - 201 | دل | al |
| 124 | | | 500 | | - | 6.78 | | .9 | | L . 1 | 26 | | 23 | 2.87 | | 205 | | |
| 1127 | <u> </u> | | 750 | <u> </u> | | 6.80 | | .9) | | (6.1 | 24 | | 22 | 2.84 | | 207 | | · · · · · · · · · · · · · · · · · · · |
| 130 | | | 1000 | | | 6.80 | | .90 | | | ۷5 | | 21 | 2.82 | _]- | 208 | | |
| | ļ | | | | | | | | | 14.2 | 23 | 0 | .21 | 2.81 | _] - | - 208 | | , |
| | <u> </u> | | | | | | | | | | · | | | " | | | | |
| Purge Sta Time | rt P | urge End Time | (gr | ge Flow om) | | l Gallons urged | | Cas ume | s | 80% Recovery Water Level | at Sa | r Level mpling ft-bmp) | Colle | nple oction | | Samo | ole Identifica | tion |
| 118 | ١ | 130 | 83 m | min | | 90 | <u> </u> | | | Depth | - | | | ne | · | | i | |
| otes: | | | | | | ML | | | | | (a·8 | .0 | 113 | 7 | M | W-7 | 4 | |

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

Chain of Custody Record

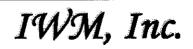
| Client: Tout Loss | x C(10)15 X (X) | 121 | | | | | | Dat | :e: | 1 | <u> </u> | <u>√.5</u> | ₩ \$3 | 5"1 | | | _ Pa | ige: | <u> </u> | c | of | | |
|--|--|---------------------|--|--|----------|-------|-------------------------|-------------------|-----------|-------------------|--------------------------------------|-------------------------|---------------------------|--|---------------|------------------|---------------|----------|---------------|---------|-----------------|--------|-----------------------|
| Address: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | Vadue C | W 20 25 1 3 | Down | المستعمدة | | | | Pro | iect | Nar | ne: | W | Visa | 5.0 | ۲۰۰ | المون | 4 500 | V | cV. | | | | |
| Phone: (91) 769. | | | | | | | | | | | | | | | | | | | | | Suc | 1C | |
| Project Manager: | | | | | _ | * | | - Ba t | | :: | | | | | | <u>>^</u> \$ | | | | 727 | | | |
| | | | | | | | OXY only | | | ine) | (1 | arbon Chain | le 22 Metals | | | | # | | | | | | tainers |
| Sample ID | Date Sampled | Time | Sample Type | Container Type | 8260 | + OXY | 8260 BTEX, (| 8270 | 8021 BTEX | 8015M (gasoline) | 8015M (diesel) | 8015M Ext./Carbon Chain | 6010/7000 Title 22 Metals | | | | Laboratory ID | . | Comn | nents/F | reservativ | /e | Total # of containers |
| 11W-45 | 12-10-67 | 1224 | GC. NS | VOA | | | > < | | | X | X | | | | | | _ | | | | | | 5 |
| EAVU- HO | | 1301 | | | | | \times | | | X | \times | | | | | | | | | | | | |
| MW - 55 | | 1358 | | | | | \times | | | X | \times | ļ | | | | | | | | | | | Ĺ |
| 14W-75 | | 1438 | | 1 | ! | | \bowtie | | | X | X | | | | | | | | | | | | \sqcup |
| MW-8 | - | 1458 | | | <u> </u> | | \geq | | | X | \angle | | | | | | | | | | | | Ц |
| MM-III | | 1521 | | - | | | ≥ 5 | | | X, | X | | <u> </u> | | | | | | | | | | 1 |
| MW - 125 | , | 1544 | | | ļ | L | X | | | X | $\stackrel{\times}{\hookrightarrow}$ | <u> </u> | ļ | | | | | | | ····· | | | |
| MW-129 | <u> </u> | 1620 | | | | L_ | \geq | | | \geq | X | ┡ | | | | | | | | | | | 11 |
| MM-15TE | 12-11-07 | JH8 | | | | | \simeq | | | \times | \sim | ┖ | <u> </u> | | | | | | | | | | Ш |
| MW-5d | | 1012 | | <u> </u> | ļ | | \times | | <u> </u> | \times | X | - | | ļļ. | _ _ | | | | | | | | 11 |
| MW-3 | | 1041 | | | | | > | <u> </u> | <u> </u> | \geqslant | $\stackrel{\times}{\hookrightarrow}$ | ├ | ļ | | _ | _ | | | | | | | H |
| MW-105 | | 1110 | 1 1 | | ├ | | \sim | ├— | | X, | $\langle \Sigma \rangle$ | ┡ | <u> </u> | | | | <u> </u> | | | | | | H |
| NW-3d | | 11:3:7 | | ļ{ | _ | _ | $\stackrel{\sim}{\sim}$ | | <u> </u> | > | \rightleftharpoons | | — | \vdash | \rightarrow | _ | _ | _ | | | | | \sqcup |
| <u> </u> | | 1210 | | <u></u> | - | | X | | ļ | $\langle \rangle$ | | ↓ | <u> </u> | | _ | - | _ | | | | | | Ļ |
| Relinquished by: (signature) | Date / T | 1246 | Donoisted b | · · · (a)anatura) | | ш | Ďate | - / T | 1 | ĹŽ | 2 | Ŧ | <u></u> | ш | | | 7000 | _ | | | | | 1, |
| Pelinquished by (signature) | Date / I 13 - 14 13 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - | IIIIe , ⊜7 20 | | y: (signature) | | , | Date / | e / i | нпе | - | Ch | ain o | | | | ntainer Y/N/N | | | j Salem Tu | | otes | A 1800 | |
| Relinquished by: (signature) | Date / T | ime | | y: (sighature) | | | Date | e / T | ìme | | | | | | | Y/N/N | | ٦ ٪ | and a d | - + | 1000 wod | . l. | 3 |
| | | | $\downarrow i$ | | | | | | | | | : | | | | | | ┤ `` | **** | . ~ | المهار ولها فيا | 1/ - | |
| Relinquished by: (signature) | Date / T | ime | Received to | y: (signature) | | | Dat | e / T | ime | | | tecei | ivea | gooa | conai | tion/col | a [| < | -RR | FC.1 | # (| 90 J | `} |
| | | | | | | | | | | | Tur | n ar | oun | d tim | e: 🖺 | 105 | · | | | | | | |
| Sample disposal Instructions: | Disposal @ \$2.00 | each | Returr | to client | | Pic | ckup | | _ | | _ | | | | | DAY | | L | | | | | - |

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Chain of Custody Record

| Client: Tout Es | 14 CYDY | ace value | \ | | | | | Dat | e: | \ 2. | ~ \ · | ٠ (| U7 | • | | | Pac | ie: 🔍 | | Of | <u> </u> | | |
|--|-------------------|--|---------------------------------------|-------------------|------|-----------------------|--|------|-----------|--|-------------------|-------------------------|---------------------------|----------|----------------|--------------------|-----------------|----------|-------|---------|---------------|-----|------------|
| Address: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | | | -1 | _ | | | | | | | | | | | | | ر څخک د | | | | | |
| Phone: (1) 70-4- | | | | | | | | | | | | | | | | | | | | | 500AC | | |
| Project Manager: 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Carlotte Carlotte | 2170 <u>00</u> | | | - | * | | Bat | eh # | £; | | | | | | 93 | | COC | | | | | |
| Sample ID NW - 495 NW - 1015 MW - 1 NW - 915 NW - 115 MW - 100 NW - 100 NW - 100 NW - 70 NW - 70 | Date Sampled | Time 1315 1346 1408 1430 1538 1600 1630 1630 1137 1200 | | Container Type | 8260 | + OX | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 8270 | 8021 BTEX | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | XXXXXXXX (diesel) | 8015M Ext./Carbon Chain | 6010/7000 Title 22 Metals | | | | Laboratory ID # | Cor | nmen | ts/Pres | ervative | | Containers |
| Relinquished by: (signature) | with the | me (4 ()77 ()00 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | y: (signature) | | $I_{i_{\mathcal{L}}}$ | | , t | | -,N | Cha | ain ol | | | | atainers Y/N/NA | | Die | 1.34 | Notes | s en minum | | |
| Relinquished by: (signature) | Date / Ti | me | Received b | ÿ∄(signature) | | [| Date | / Ti | me | | | | Se | als in | tact? | Y/N/NA | | Present | r- == | Eo | wall | ,) | |
| Relinquished by: (signature) | Date / Ti | me | Received b | y: (signature) | | | Date | / Ti | me | | | | - | | | on/cold | | 1.5 E. 8 | e E | \$ 7d | ~ (70° | (7) | |
| Sample disposal Instructions: D | isposal @ \$2.00 | each | Return | to client | | Pick | kup _ | | | | ruil | 11 (31 (| Juiit | 4 (11116 | <u>ا حمل</u> . | DAY |) | | **** | | | | |

APPENDIX C CERTIFICATE OF DISPOSAL



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

Mission Valley Rock Company

7999 Athenour Way Sunol, CA 94586

Generator Name:

Address:

CERTIFICATE OF DISPOSAL

Facility Name:

Address:

Mission Valley Rock

Sunol, CA 94586

7999 Athenour Way

| Contact: | Mort Calvert | Facility Cont | act: Mike Schenone, TAIT Environmental |
|------------|--|---------------|---|
| Phone: | 925.862.2257 | Phone: | 916.858.1060 |
| | | | |
| | | | |
| | IWM Job #: | 97505-L | OW . |
| | Description of Waste: | 1 Drum | of |
| | , | Non-Hazai | rdous |
| | | Water | • |
| | Removal Date: | 12/18/0 | 07 |
| | | SP181207- | MISC |
| | Ticket #. | | |
| Transp | oorter Information | Disposa | l Facility Information |
| Name: | | <u> </u> | |
| Address: | IWM, Inc. 1945 Concourse Drive | Address: | Seaport Refining & Environmental 700 Seaport Blvd |
| riddi Coo. | San Jose, CA 95131 | | Redwood City, CA 94063 |
| Phone: | (408) 433-1990 | Phone: | (650) 364-1024 |
| | | | |
| | | | .÷ |
| | , INC. CERTIFIES THAT THE ABOVE | | |
| TRE | ATED AND DISPOSED AT THE DESI APPLICABLE FEDERAL, STA | | |
| | · | , | CAL REGULATIONS. |
| | William T. DeLon Walliam 2. C | le Fre | 12/18/07 |
| | William B. Dallan F. "" | | 1 3 / 1 2 / 11 / |

APPENDIX D TEM LABORATORY REPORT

26 December 2007

Michael Schenone Tait Environmental 701 N. Parkcenter Drive Santa Ana, CA 92705

RE: Mission Valley Rock

Enclosed are the results of analyses for samples received by the laboratory on 12/13/07 09:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Albert Vargas For John Shepler

aller Vargas

Laboratory Director

Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/26/07 18:26

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-4S | T701628-01 | Water | 12/10/07 12:24 | 12/13/07 09:00 |
| MW-4D | T701628-02 | Water | 12/10/07 13:01 | 12/13/07 09:00 |
| MW-5S | T701628-03 | Water | 12/10/07 13:58 | 12/13/07 09:00 |
| MW-7S | T701628-04 | Water | 12/10/07 14:28 | 12/13/07 09:00 |
| MW-8 | T701628-05 | Water | 12/10/07 14:58 | 12/13/07 09:00 |
| MW-11LF | T701628-06 | Water | 12/10/07 15:21 | 12/13/07 09:00 |
| MW-12S | T701628-07 | Water | 12/10/07 15:44 | 12/13/07 09:00 |
| MW-12D | T701628-08 | Water | 12/10/07 16:20 | 12/13/07 09:00 |
| MW-12LF | T701628-09 | Water | 12/11/07 09:48 | 12/13/07 09:00 |
| MW-5D | T701628-10 | Water | 12/11/07 10:12 | 12/13/07 09:00 |
| MW-3 | T701628-11 | Water | 12/11/07 10:41 | 12/13/07 09:00 |
| MW-10S | T701628-12 | Water | 12/11/07 11:10 | 12/13/07 09:00 |
| MW-2D | T701628-13 | Water | 12/11/07 11:37 | 12/13/07 09:00 |
| MW-2M | T701628-14 | Water | 12/11/07 12:10 | 12/13/07 09:00 |
| MW-9S | T701628-15 | Water | 12/11/07 12:46 | 12/13/07 09:00 |
| MW-6S | T701628-16 | Water | 12/11/07 13:15 | 12/13/07 09:00 |
| MW-10LF | T701628-17 | Water | 12/11/07 13:48 | 12/13/07 09:00 |
| MW-1 | T701628-18 | Water | 12/11/07 14:08 | 12/13/07 09:00 |
| MW-9LF | T701628-19 | Water | 12/11/07 14:30 | 12/13/07 09:00 |
| MW-2S | T701628-20 | Water | 12/11/07 15:00 | 12/13/07 09:00 |
| MW-11S | T701628-21 | Water | 12/11/07 15:38 | 12/13/07 09:00 |
| MW-10D | T701628-22 | Water | 12/11/07 16:05 | 12/13/07 09:00 |
| MW-11D | T701628-23 | Water | 12/12/07 10:00 | 12/13/07 09:00 |
| MW-6D | T701628-24 | Water | 12/12/07 10:30 | 12/13/07 09:00 |
| MW-9D | T701628-25 | Water | 12/12/07 11:00 | 12/13/07 09:00 |
| MW-7D | T701628-26 | Water | 12/12/07 11:37 | 12/13/07 09:00 |
| MW-1T | T701628-27 | Water | 12/12/07 12:00 | 12/13/07 09:00 |
| | | | | |

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.

aller Targas

Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-4S T701628-01 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|----------------|--------------------|---------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborato | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | s by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 122 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbo | ns by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/14/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 115 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by EF | A Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.8 % | 77.1 | -110 | " | " | " | " | · |
| Surrogate: Dibromofluoromethane | | 74.9 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.5 % | 90.9 | -105 | " | " | " | " | |

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.

allee Tayas

Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/26/07 18:26

MW-4D T701628-02 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------------|--------------------|---------|-----------|---------|----------|----------|-----------|------|
| | | SunStar La | aborato | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 125 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/14/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 117 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.5 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 75.5 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.0 % | 90.9 | -105 | " | " | " | " | |

SunStar Laboratories, Inc.

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

Albert Vargas For John Shepler, Laboratory Director

Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/26/07 18:26

MW-5S T701628-03 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborator | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 140 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 115 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/14/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 104 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 2.6 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.5 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 74.2 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.1 % | 90.9 | -105 | " | " | " | " | |

SunStar Laboratories, Inc.

alle Tagas

Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-7S T701628-04 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|----------------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratori | es, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | s by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 170 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 122 % | 65-1. | 35 | " | " | " | " | |
| Extractable Petroleum Hydrocarbo | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 120 % | 65-1. | 35 | " | " | " | " | |
| Volatile Organic Compounds by EI | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.4 % | 77.1-1 | 10 | " | " | " | " | · · |
| Surrogate: Dibromofluoromethane | | 75.9 % | 66.3-1 | 11 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.6 % | 90.9-1 | 05 | " | " | " | " | |

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Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-8 T701628-05 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratoi | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons | s by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 124 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbo | ns by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 97.8 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by EP | A Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 93.4 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 78.8 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.2 % | 90.9 | -105 | " | " | " | " | |

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Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-11LF T701628-06 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|----------------|--------------------|---------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborato | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | s by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 120 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 120 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbo | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 116 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by El | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 86 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.2 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 79.8 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.5 % | 90.9 | -105 | " | " | " | " | |

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Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-12S T701628-07 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratoi | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons l | oy EPA 8015B | } | | | | | | | |
| C6-C12 (GRO) | 120 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 122 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbons | s by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 117 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by EPA | Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 93.5 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 78.4 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.2 % | 90.9 | -105 | " | " | " | " | |

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Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-12D T701628-08 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|----------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborator | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | s by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 140 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 120 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbo | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 117 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by El | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 91.4 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 79.8 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.2 % | 90.9 | -105 | " | " | " | " | |

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Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-12LF T701628-09 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|-----------------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratori | es, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbo | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 119 % | 65-1 | 35 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 106 % | 65-1 | 35 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.1 % | 77.1- | 110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 81.5 % | 66.3- | 111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.9 % | 90.9- | 105 | " | " | " | " | |

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Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/26/07 18:26

MW-5D T701628-10 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratoi | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 140 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 118 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 111 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 1.2 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.5 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 80.0 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.4 % | 90.9 | -105 | " | " | " | " | |

SunStar Laboratories, Inc.

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Albert Vargas For John Shepler, Laboratory Director

Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-3 T701628-11 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------------|--------------------|----------|------------|---------|----------|----------|-----------|------|
| | | SunStar La | aboratoi | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbo | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 180 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 133 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 97.4 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 24 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.4 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 77.0 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 92.1 % | 90.9 | -105 | " | " | " | " | |

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Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-10S T701628-12 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratori | es, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbo | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 118 % | 65-1 | 35 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 98.1 % | 65-1 | 35 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 93.9 % | 77.1- | 110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 79.1 % | 66.3- | 111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.4 % | 90.9- | 105 | " | " | " | " | |

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Albert Vargas For John Shepler, Laboratory Director

Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-2D T701628-13 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|---------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborator | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons | by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 250 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 121 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbor | ns by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 96.6 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by EP. | A Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/14/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 22 | 5.0 | " | 5 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 104 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.2 % | 90.9 | -105 | " | " | " | " | |

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Tait Environmental 701 N. Parkcenter Drive

Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-2M T701628-14 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------------|--------------------|---------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborato | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 370 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 127 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 98.3 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 9.4 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 76.4 % | 66.3 | R-111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.8 % | 90.9 | -105 | " | " | " | " | |

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Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-9S T701628-15 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|---------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborator | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons | by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 126 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbon | ns by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 100 % | 65- | 135 | " | " | " | " | · |
| Volatile Organic Compounds by EP | A Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.2 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 78.1 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.5 % | 90.9 | -105 | " | " | " | " | |

SunStar Laboratories, Inc.

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Tait Environmental 701 N. Parkcenter Drive

Santa Ana CA, 92705

Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-6S T701628-16 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborator | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons b | y EPA 8015B | } | | | | | | | |
| C6-C12 (GRO) | 680 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | - |
| Surrogate: 4-Bromofluorobenzene | | 120 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbons | by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | 0.52 | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | D-02 |
| Surrogate: p-Terphenyl | | 95.6 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by EPA | Method 8260 | В | | | | | | | |
| Benzene | 1.3 | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | 12 | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | 1.1 | 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 | 28 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.5 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 76.9 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.9 % | 90.9 | -105 | " | " | " | " | |

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Tait Environmental
701 N. Parkcenter Drive

Project: Mission Valley Rock Project Number: EM5009C

Santa Ana CA, 92705

Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-10LF T701628-17 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| · | | SunStar La | aborator | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbo | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 129 % | 65-135 | | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 95.2 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260l | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/14/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 1.6 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.0 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 75.6 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.0 % | 90.9 | -105 | " | " | " | " | |

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Albert Vargas For John Shepler, Laboratory Director

Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-1 T701628-18 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|-----------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratoi | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbo | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 890 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 135 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 91.7 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | 6.6 | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/14/07 | EPA 8260B | |
| Toluene | 0.54 | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | 0.50 | 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: 4-Bromofluorobenzene | | 95.9 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 75.5 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.2 % | 90.9 | -105 | " | " | " | " | |

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Project: Mission Valley Rock

Project Number: EM5009C

Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-9LF T701628-19 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratoi | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons | by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 310 | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 132 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbon | ns by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 94.9 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by EP | A Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/14/07 | EPA 8260B | |
| Toluene | 0.89 | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | 1.7 | 1.0 | " | " | " | " | " | " | |
| o-Xylene | 0.52 | 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: 4-Bromofluorobenzene | | 97.4 % | 77.1 | -110 | " | " | " | " | · |
| Surrogate: Dibromofluoromethane | | 74.1 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.2 % | 90.9 | -105 | " | " | " | " | |

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Albert Vargas For John Shepler, Laboratory Director

Project: Mission Valley Rock

Project Number: EM5009C

Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-2S T701628-20 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|----------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratoi | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | s by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 7121314 | 12/13/07 | 12/13/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 118 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbo | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | 16 | 0.050 | mg/l | 1 | 7121315 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 127 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by El | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121313 | 12/13/07 | 12/13/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 16 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.2 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 80.4 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 94.9 % | 90.9 | -105 | " | " | " | " | |

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Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-11S T701628-21 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborator | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 7121317 | 12/13/07 | 12/14/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 133 % | 65-1 | 35 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121319 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 120 % | 65-1 | 35 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 82601 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121318 | 12/13/07 | 12/14/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 1.5 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.6 % | 77.1- | 110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 81.0 % | 66.3- | 111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.9 % | 90.9- | 105 | " | " | " | " | |

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Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-10D T701628-22 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------------|-----------------|--------------------|---------|-----------|---------|----------|----------|-----------|------|
| | | SunStar La | borator | ies, Inc. | | · | | | |
| Purgeable Petroleum Hydrocarboi | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 1300 | 50 | ug/l | 1 | 7121317 | 12/13/07 | 12/14/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 130 % | 65-1 | 35 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121319 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 121 % | 65-1 | 35 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121318 | 12/13/07 | 12/14/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | 0.61 | 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: 4-Bromofluorobenzene | | 95.4 % | 77.1- | 110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 79.5 % | 66.3- | 111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.9 % | 90.9- | 105 | " | " | " | " | |

SunStar Laboratories, Inc.

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-11D T701628-23 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|----------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborator | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | s by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 7700 | 50 | ug/l | 1 | 7121317 | 12/13/07 | 12/14/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 707 % | 65- | 135 | " | " | " | " | S-02 |
| Extractable Petroleum Hydrocarbo | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | 48 | 0.050 | mg/l | 1 | 7121319 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 120 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by El | PA Method 8260 | В | | | | | | | |
| Benzene | 3.0 | 0.50 | ug/l | 1 | 7121318 | 12/13/07 | 12/14/07 | EPA 8260B | |
| Toluene | 3.0 | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | 11 | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | 17 | 1.0 | " | " | " | " | " | " | |
| o-Xylene | 13 | 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 | 7.0 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 82.4 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.0 % | 90.9 | -105 | " | " | " | " | |

SunStar Laboratories, Inc.

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-6D T701628-24 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------------|-----------------|--------------------|-----------|----------|---------|----------|----------|-----------|------|
| | | SunStar La | aboratori | es, Inc. | | | | | |
| Purgeable Petroleum Hydrocarboi | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 250 | 50 | ug/l | 1 | 7121317 | 12/13/07 | 12/14/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 124 % | 65-1 | 35 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121319 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 121 % | 65-1 | 35 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121318 | 12/13/07 | 12/14/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 19 | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.0 % | 77.1- | 110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 75.4 % | 66.3- | 111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.0 % | 90.9- | 105 | " | " | " | " | |

SunStar Laboratories, Inc.

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-9D T701628-25 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------------|--------------------|---------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborato | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbon | ns by EPA 8015B | | | | | | | | |
| C6-C12 (GRO) | 57000 | 1200 | ug/l | 25 | 7121317 | 12/13/07 | 12/14/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 120 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarb | ons by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | 3.4 | 0.050 | mg/l | 1 | 7121319 | 12/13/07 | 12/15/07 | EPA 8015B | D-02 |
| Surrogate: p-Terphenyl | | 101 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by E | PA Method 8260 | В | | | | | | | |
| Benzene | 880 | 25 | ug/l | 50 | 7121318 | 12/13/07 | 12/17/07 | EPA 8260B | |
| Toluene | 5800 | 250 | " | 500 | " | " | 12/18/07 | " | |
| Ethylbenzene | 2800 | 25 | " | 50 | " | " | 12/17/07 | " | |
| m,p-Xylene | 6900 | 500 | " | 500 | " | " | 12/18/07 | " | |
| o-Xylene | 2200 | 25 | " | 50 | " | " | 12/17/07 | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | 1 | " | " | 12/14/07 | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 77.2 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 79.4 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 92.0 % | 90.9 | -105 | " | " | " | " | |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-7D T701628-26 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratoi | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons l | by EPA 8015B | } | | | | | | | |
| C6-C12 (GRO) | 19000 | 1200 | ug/l | 25 | 7121317 | 12/13/07 | 12/14/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 121 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbons | s by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | 2.5 | 0.050 | mg/l | 1 | 7121319 | 12/13/07 | 12/15/07 | EPA 8015B | D-02 |
| Surrogate: p-Terphenyl | | 117 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by EPA | Method 8260 | В | | | | | | | |
| Benzene | 64 | 0.50 | ug/l | 1 | 7121318 | 12/13/07 | 12/14/07 | EPA 8260B | |
| Toluene | 160 | 12 | " | 25 | " | " | 12/14/07 | " | |
| Ethylbenzene | 1100 | 12 | " | " | " | " | " | " | |
| m,p-Xylene | 1800 | 25 | " | " | " | " | " | " | |
| o-Xylene | 200 | 12 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | 1 | " | " | 12/14/07 | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 82.2 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 72.6 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.5 % | 90.9 | -105 | " | " | " | " | |

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Tait Environmental 701 N. Parkcenter Drive

Project: Mission Valley Rock

701 N. Parkcenter Drive Santa Ana CA, 92705 Project Number: EM5009C Project Manager: Michael Schenone

Reported: 12/26/07 18:26

MW-1T T701628-27 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratoi | ries, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons l | y EPA 8015B | } | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 7121317 | 12/13/07 | 12/14/07 | EPA 8015B | |
| Surrogate: 4-Bromofluorobenzene | | 128 % | 65- | 135 | " | " | " | " | |
| Extractable Petroleum Hydrocarbons | by 8015B | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 7121319 | 12/13/07 | 12/15/07 | EPA 8015B | |
| Surrogate: p-Terphenyl | | 130 % | 65- | 135 | " | " | " | " | |
| Volatile Organic Compounds by EPA | Method 8260 | В | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 7121318 | 12/13/07 | 12/14/07 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.50 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Tert-butyl alcohol | ND | 10 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1.0 | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.8 % | 77.1 | -110 | " | " | " | " | |
| Surrogate: Dibromofluoromethane | | 79.8 % | 66.3 | -111 | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.2 % | 90.9 | -105 | " | " | " | " | |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/26/07 18:26

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|-------------|--------------------|-----------|----------------|------------------|-------------|------------------|------|--------------|-------|
| Batch 7121314 - EPA 5030 GC | | | | | | | | | | |
| Blank (7121314-BLK1) | | | | Prepared | & Analyz | ed: 12/13/0 | 07 | | | |
| Surrogate: 4-Bromofluorobenzene C6-C12 (GRO) | 240 ND | 50 | ug/l " | 200 | | 120 | 65-135 | | | |
| LCS (7121314-BS1) | | | | Prepared: | 12/13/07 | Analyzed | 1: 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene C6-C12 (GRO) | 267 6350 | 50 | ug/l " | 200 5500 | | 133 115 | 65-135 75-125 | | | |
| Matrix Spike (7121314-MS1) | So | urce: T70162 | 8-02 | Prepared: | 12/13/07 | Analyzed | : 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene C6-C12 (GRO) | 252 6870 | 50 | ug/l " | 200 5500 | ND | 126 125 | 65-135 65-135 | | | |
| Matrix Spike Dup (7121314-MSD1) | So | urce: T70162 | 8-02 | Prepared: | 12/13/07 | Analyzed | 1: 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene C6-C12 (GRO) | 261 6790 | 50 | ug/l " | 200 5500 | ND | 131 123 | 65-135 65-135 | 1.20 | 20 | |
| Batch 7121317 - EPA 5030 GC | | | | | | | | | | |
| LCS (7121317-BS1) | | | | Prepared: | 12/13/07 | Analyzed | 1: 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene C6-C12 (GRO) | 264 6270 | 50 | ug/l " | 200 5500 | | 132 114 | 65-135 75-125 | | | |
| Matrix Spike (7121317-MS1) | So | urce: T70163 | 1-04 | Prepared: | 12/13/07 | Analyzed | 1: 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene C6-C12 (GRO) | 255 6850 | 50 | ug/l " | 200 5500 | ND | 127 125 | 65-135 65-135 | | | |
| Matrix Spike Dup (7121317-MSD1) | So | urce: T70163 | 1-04 | Prepared: | 12/13/07 | Analyzed | : 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene C6-C12 (GRO) | 244 6380 | 50 | ug/l " | 200 5500 | ND | 122 116 | 65-135 65-135 | 7.05 | 20 | |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/26/07 18:26

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|------------|-------|-----------|----------|----------|------------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 7121315 - EPA 3510C GC | | | | | | | | | | |
| Blank (7121315-BLK1) | | | | Prepared: | 12/13/07 | Analyzed | : 12/14/07 | | | |
| Surrogate: p-Terphenyl | 4.46 | | mg/l | 4.00 | | 111 | 65-135 | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | " | | | | | | | |
| LCS (7121315-BS1) | | | | Prepared: | 12/13/07 | Analyzed | : 12/14/07 | | | |
| Surrogate: p-Terphenyl | 4.76 | | mg/l | 4.00 | | 119 | 65-135 | | | |
| Diesel Range Hydrocarbons | 20.4 | 0.050 | " | 20.0 | | 102 | 75-125 | | | |
| Matrix Spike (7121315-MS1) | Sour | ce: T70162 | 8-01 | Prepared: | 12/13/07 | Analyzed | : 12/15/07 | | | |
| Surrogate: p-Terphenyl | 4.12 | | mg/l | 4.00 | | 103 | 65-135 | | | |
| Diesel Range Hydrocarbons | 18.4 | 0.050 | " | 20.0 | ND | 92.0 | 75-125 | | | |
| Matrix Spike Dup (7121315-MSD1) | Sour | ce: T70162 | 8-01 | Prepared: | 12/13/07 | Analyzed | : 12/15/07 | | | |
| Surrogate: p-Terphenyl | 4.08 | | mg/l | 4.00 | | 102 | 65-135 | | | |
| Diesel Range Hydrocarbons | 18.0 | 0.050 | " | 20.0 | ND | 89.8 | 75-125 | 2.46 | 20 | |
| Batch 7121319 - EPA 3510C GC | | | | | | | | | | |
| Blank (7121319-BLK1) | | | | Prepared: | 12/13/07 | Analyzed | : 12/15/07 | | | |
| Surrogate: p-Terphenyl | 3.93 | | mg/l | 4.00 | | 98.2 | 65-135 | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | " | | | | | | | |
| LCS (7121319-BS1) | | | | Prepared: | 12/13/07 | Analyzed | : 12/15/07 | | | |
| Surrogate: p-Terphenyl | 3.94 | | mg/l | 4.00 | | 98.5 | 65-135 | | | |
| Diesel Range Hydrocarbons | 17.6 | 0.050 | " | 20.0 | | 87.9 | 75-125 | | | |
| Matrix Spike (7121319-MS1) | Sour | ce: T70162 | 1-01 | Prepared: | 12/13/07 | Analyzed | : 12/15/07 | | | |
| Surrogate: p-Terphenyl | 4.00 | | mg/l | 4.00 | | 100 | 65-135 | | | |
| Diesel Range Hydrocarbons | 29.2 | 0.050 | " | 20.0 | 9.24 | 99.6 | 75-125 | | | |

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Tait EnvironmentalProject: Mission Valley Rock701 N. Parkcenter DriveProject Number: EM5009CReported:Santa Ana CA, 92705Project Manager: Michael Schenone12/26/07 18:26

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

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

Batch 7121319 - EPA 3510C GC

| Matrix Spike Dup (7121319-MSD1) | Sour | ce: T70162 | 1-01 | Prepared: | 12/13/07 | Analyze | d: 12/15/07 | | | |
|---------------------------------|------|------------|------|-----------|----------|---------|-------------|------|----|--|
| Surrogate: p-Terphenyl | 4.92 | | mg/l | 4.00 | | 123 | 65-135 | | | |
| Diesel Range Hydrocarbons | 29.8 | 0.050 | " | 20.0 | 9.24 | 103 | 75-125 | 2.32 | 20 | |

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Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/26/07 18:26

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|-----|--------------|-------|
| Batch 7121313 - EPA 5030 GCMS | | | | | | | | | | |
| Blank (7121313-BLK1) | | | | Prepared | & Analyze | ed: 12/13/0 |)7 | | | |

| Blank (/121313-BLK1) | | | | Prepared & Ar | iaryzed: 12/13/ | 07 | | | |
|---------------------------------|------|------|------|----------------|-----------------|-------------|------|----|--|
| Surrogate: 4-Bromofluorobenzene | 7.88 | | ug/l | 8.00 | 98.5 | 77.1-110 | | | |
| Surrogate: Dibromofluoromethane | 6.31 | | " | 8.00 | 78.9 | 66.3-111 | | | |
| Surrogate: Toluene-d8 | 7.77 | | " | 8.00 | 97.1 | 90.9-105 | | | |
| 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 (7121313-BS1) | | | | Prepared: 12/1 | 3/07 Analyze | d: 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene | 7.73 | | ug/l | 8.00 | 96.6 | 77.1-110 | | | |
| Surrogate: Dibromofluoromethane | 6.12 | | " | 8.00 | 76.5 | 66.3-111 | | | |
| Surrogate: Toluene-d8 | 7.81 | | " | 8.00 | 97.6 | 90.9-105 | | | |
| Benzene | 19.2 | 0.50 | " | 20.0 | 95.8 | 75-125 | | | |
| Toluene | 19.6 | 0.50 | " | 20.0 | 98.2 | 75-125 | | | |
| LCS Dup (7121313-BSD1) | | | | Prepared: 12/1 | 3/07 Analyze | d: 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene | 7.59 | | ug/l | 8.00 | 94.9 | 77.1-110 | | | |
| Surrogate: Dibromofluoromethane | 6.21 | | " | 8.00 | 77.6 | 66.3-111 | | | |
| Surrogate: Toluene-d8 | 7.81 | | " | 8.00 | 97.6 | 90.9-105 | | | |
| Benzene | 19.4 | 0.50 | " | 20.0 | 97.2 | 75-125 | 1.55 | 20 | |
| T.1 | | | | | | | | | |
| Toluene | 19.9 | 0.50 | " | 20.0 | 99.6 | 75-125 | 1.47 | 20 | |

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allee Tayons

Project: Mission Valley Rock

Spike

Source

%REC

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/26/07 18:26

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 7121318 - EPA 5030 GCMS | | | | | | | | | | |
| Blank (7121318-BLK1) | | | | Prepared: | 12/13/07 | ' Analyze | d: 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene | 7.53 | | ug/l | 8.00 | | 94.1 | 77.1-110 | | | |
| Surrogate: Dibromofluoromethane | 6.11 | | " | 8.00 | | 76.4 | 66.3-111 | | | |
| Surrogate: Toluene-d8 | 7.65 | | " | 8.00 | | 95.6 | 90.9-105 | | | |
| 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 (7121318-BS1) | | | | Prepared: | 12/13/07 | Analyze | d: 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene | 8.01 | | ug/l | 8.00 | | 100 | 77.1-110 | | | |
| Surrogate: Dibromofluoromethane | 6.34 | | " | 8.00 | | 79.2 | 66.3-111 | | | |
| Surrogate: Toluene-d8 | 7.78 | | " | 8.00 | | 97.2 | 90.9-105 | | | |
| Benzene | 18.7 | 0.50 | " | 20.0 | | 93.3 | 75-125 | | | |
| Toluene | 19.6 | 0.50 | " | 20.0 | | 98.2 | 75-125 | | | |
| Matrix Spike (7121318-MS1) | So | urce: T70163 | 31-05 | Prepared: | 12/13/07 | ' Analyze | d: 12/14/07 | | | |
| Surrogate: 4-Bromofluorobenzene | 7.84 | | ug/l | 8.00 | | 98.0 | 77.1-110 | | | |
| Surrogate: Dibromofluoromethane | 6.11 | | " | 8.00 | | 76.4 | 66.3-111 | | | |
| Surrogate: Toluene-d8 | 7.87 | | " | 8.00 | | 98.4 | 90.9-105 | | | |
| Benzene | 16.6 | 0.50 | " | 20.0 | ND | 82.8 | 75-125 | | | |
| Toluene | 17.2 | 0.50 | " | 20.0 | ND | 86.2 | 75-125 | | | |
| | | | | | | | | | | |

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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.

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Tait EnvironmentalProject: Mission Valley Rock701 N. Parkcenter DriveProject Number: EM5009CReported:Santa Ana CA, 92705Project Manager: Michael Schenone12/26/07 18:26

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 |

Batch 7121318 - EPA 5030 GCMS

| Matrix Spike Dup (7121318-MSD1) | Sourc | Source: T701631-05 | | | | Analyze | | | | |
|---------------------------------|-------|--------------------|------|------|----|---------|----------|------|----|--|
| Surrogate: 4-Bromofluorobenzene | 7.86 | | ug/l | 8.00 | | 98.2 | 77.1-110 | | | |
| Surrogate: Dibromofluoromethane | 6.07 | | " | 8.00 | | 75.9 | 66.3-111 | | | |
| Surrogate: Toluene-d8 | 7.94 | | " | 8.00 | | 99.2 | 90.9-105 | | | |
| Benzene | 18.7 | 0.50 | " | 20.0 | ND | 93.4 | 75-125 | 12.1 | 20 | |
| Toluene | 19.1 | 0.50 | " | 20.0 | ND | 95.4 | 75-125 | 10.0 | 20 | |

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.

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| Tait Environmental | Project: Mission Valley Rock | |
|-------------------------|-----------------------------------|----------------|
| 701 N. Parkcenter Drive | Project Number: EM5009C | Reported: |
| Santa Ana CA, 92705 | Project Manager: Michael Schenone | 12/26/07 18:26 |

Notes and Definitions

| S-02 | The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract. |
|------|--|
| D-02 | Hydrocarbon pattern present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |

SunStar Laboratories, Inc.

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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.

T701628

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

Chain of Custody Record

| Client: Tart Environmental Address: 11280 Trade Center Dever Phone: (914) 764-1239 Fax: (916) 858-1011 Project Manager: Wike Schenere | | | | | | | | | Date: 12-12-07 Page: Of 2 Project Name: Mission Valley Rock Collector: Wike Schenore Client Project #: EMSCO Batch #: TOLOOLO2092 CCC 72713 | | | | | | | | | | | | | 5009 | | | |
|--|--|--------------|-------------------|----------|---------|----------------|------------|------------|---|-------|--------------|----------------------------|---|-------------------------|---------------------------|---|--------|---|----------------|----------|-----|--------|--------------|-------------------|-------------------------|
| · | | | | | mple | Container | 09 | 8260 + OXY | 8260 BTEX, OXY only | 8270 | 21 BTEX | 8015M (gasoline) | 8015M (diesel) | 8015M Ext./Carbon Chain | 6010/7000 Title 22 Metals | | | 1 4 4 1 4 4 1 4 4 1 4 1 4 1 4 1 4 1 4 1 | aboratory ID # | | | | | | V Total # of containers |
| Sample ID | | Sampled | | | /pe | Туре | 82 | 82 | 82 | 82 | 80 | 80 | 80 | 8 | 09 | | | | ↓ | Com | men | ts/Pre | servative | , | 鱼 |
| MW-45 | 12-1 | 0-07 | 1224 | Go | AR | VOA | | | \geq | | | X | $\langle X \rangle$ | | | | | | OL | | | | | | <u>5</u> |
| MW-49 | + | | 1301 | | | - | | _ | X | | | $\ddot{\diamond}$ | $\overset{\bullet}{\circ}$ | | | _ | _ | | OŠ | | | | | \rightarrow | ╀ |
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| Sample disposal Instructions: [| Disposal | @ \$2.00 e | each | I | Return | to client | | Pic | | | | | ı arı | ıı art | Juill | a conte | | W/ | | | | | | | |

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

Chain of Custody Record

| Client: Tart En Address: 1780 Tv Phone: (910) 7004- Project Manager: Mike | | Date: 12-12-07 Page: 2 O Project Name: Wissian Valley Rock Collector: Wike Schenore Client Project #: EN Batch #: Tolopologog CGC 727 | | | | | | | | | | | | | Soo | | ı | | | | | | | | |
|---|--------------|---|------|--|-------------|--|------|------------|---------------------|-------------|-------------|------------------|--------------------|-------------------------|---------------------------|-----------------|-------------------|--------------------------|-----------------|-----------------|--------------|----------------|-------------|-----------------------------|-------------------------|
| | | e Samplec | | T | mple ype | Container Type | 8260 | 8260 + OXY | 8260 BTEX, OXY only | 8270 | 8021 BTEX | 8015M (gasoline) | 8015M (diesel) | 8015M Ext./Carbon Chain | 6010/7000 Title 22 Metals | į | | | Laboratory ID # | | mme | nts/Pr | eservatiy | /e | √ Total # of containers |
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| Sample disposal Instructions: Di | sposa | al @ \$2.00 e | each | | Return | to client | | Pic | kup | _ | | | | | | | | DAY | | | | _ | | | |