# First Quarter 2009
# Groundwater Monitoring and Sampling Report

Hanson Aggregates Mid-Pacific, Inc.
Mission Valley Rock Facility
7999 Athenour Way
Sunol, California

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

*May 5, 2009*

Hanson
HEIDELBERGCEMENT Group
**Hanson Aggregates Mid-Pacific, Inc.**
12667 Alcosta Blvd., Suite 400
San Ramon, CA 94583

May 5, 2009

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: FIRST QUARTER 2009**
**GROUNDWATER MONITORING AND SAMPLING REPORT**
**MISSION VALLEY ROCK COMPANY**
**7999 ATHENOUR WAY, SUNOL, CALIFORNIA**

Dear Mr. Wickham,

Please find enclosed Tait Environmental Management's *First Quarter 2009 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) 244-6584.

Sincerely,

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

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

May 5, 2009

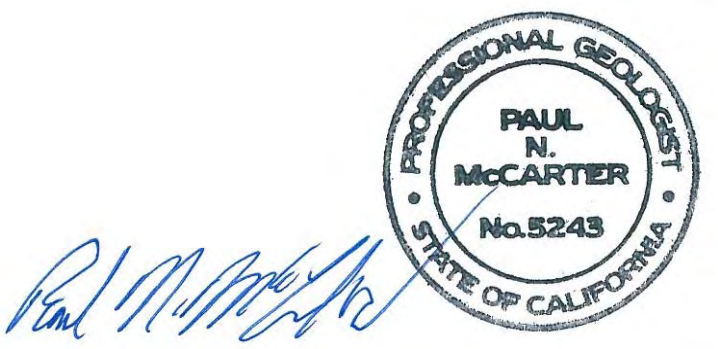
**First Quarter 2009**
**Groundwater Monitoring and Sampling Report**

Hanson Aggregates Mid-Pacific, Inc.
Mission Valley Rock Facility
7999 Athenour Way
Sunol, California

Prepared for:

Mr. Lee Cover
Hanson Aggregates Mid-Pacific, Inc.
12667 Alcosta Blvd., Suite 400
San Ramon, CA 94583

Prepared by:




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

**Tait Environmental Services, Inc.**
701 North Parkcenter Drive
Santa Ana, California 92705

Project No. EM-5009F

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**First Quarter 2009**
**Groundwater Monitoring and Sampling Report**
**Hanson Aggregates Mid-Pacific, Inc.**
**Mission Valley Rock Facility**
**Sunol, California**

## 1.0 INTRODUCTION

This report summarizes the First Quarter 2009 groundwater monitoring and sampling event conducted at the Hanson Aggregates Mid-Pacific, Inc. Mission Valley Rock Facility (site) located at 7999 Athenour Way in Sunol, California (Figure 1). The wells were sampled as part of the First Quarter 2009 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 Services, Inc. (TES), formerly 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". Well MW-2M was screened midway between the deep and shallow zones. Groundwater monitoring well MW-2 was abandoned and replaced by the triple-completion well MW-2S/2M/2D. 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 approximately in the top of 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/TES from the Fourth Quarter 2000 through the present, excluding the 2004 calendar year. During 2004, TEM and Mission Valley Rock were undergoing discussion with the ACEHS regarding further assessment at the site.

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 ACEHS 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.

During January and February 2008, LFR conducted an air-sparge pilot test at the site to determine the feasibility of air injection into the saturated subsurface soils to accelerate the degradation of petroleum hydrocarbons in the groundwater (LFR, 2008). Based on the results of the test, LFR recommended a remedial alternative consisting of air injection conducted in the source area and a natural attenuation groundwater monitoring program for the downgradient dissolved plume area. The ACEHS subsequently requested that a Draft Corrective Action Plan (CAP) be submitted to further evaluate all areas affected by fuel releases, review potential remedial alternatives, and define soil and groundwater cleanup levels for the site (ACEHS, 2008). A meeting was held between Hanson, LFR, and ACEH on July 18, 2008 to discuss the working site conceptual model updated based on the results of the pilot test, to review historical

groundwater elevation and geochemistry data, and review current conditions. As a result of the July 18, 2008 meeting, the ACEH issued a letter dated July 24, 2008, rescinding their request for a draft CAP and requesting a work plan be submitted for the operation and monitoring of an air injection system in the source area. The work plan was submitted to the ACEH by LFR on October 3, 2008, and was subsequently approved by the ACEH in its letter of October 24, 2008.

## 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 western part of the area 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 (65 feet bgs) consist primarily of gravelly sand, sandy gravel, gravel, gravelly silt, and silty sand. 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 (3 to approximately 15 feet bgs), deep-zone (15 to 30 feet bgs), and Livermore Formation (33 to 40 feet bgs) wells, as well as in MW-2M. The levels are generally similar between the zones, and the groundwater zones appear to be generally hydraulically continuous.

Based on the First Quarter 2009 groundwater monitoring data, the overall depth to groundwater at the site ranged from 2.25 feet bgs in well MW-9S to 6.2 feet bgs in well MW-10LF. Relative to the Fourth Quarter 2008 groundwater monitoring event, groundwater levels increased in all of the wells. In general, overall groundwater levels have risen an average of 3.5 feet in the wells relative to the Fourth Quarter 2008 monitoring event (TES, 2008). The change in groundwater levels appears to be seasonal. Hydrographs of all of the wells are contained in Appendix B.

Groundwater in the shallow-zone wells in the southwestern part of the site is generally flowing in an easterly direction at an approximate gradient of 0.011 foot/foot (ft/ft). In the northern and northeastern part of the site, shallow-zone groundwater is flowing in a southeasterly direction at a gradient of approximately 0.015 ft/ft (Figure 3). The groundwater mound, which was last noted in this area during the Third and Fourth Quarter 2008 monitoring events, is no longer present in the shallow zone. A review of the hydrographs for MW-4 and MW-10 indicates that this mound is seasonal in nature, as it tends to be pronounced during the Third and Fourth Quarters of the year.

Groundwater in the deep-zone wells is generally flowing east-southeasterly to southeasterly at a gradient ranging from 0.008 ft/ft in the east to 0.015 ft/ft in the west (Figure 4).

Groundwater in the Livermore Formation is flowing in a general easterly direction a gradient ranging from 0.007 ft/ft in the east to 0.017 ft/ft in the western part of the site (Figure 5).

With the exception of well MW-11D, where the groundwater level was lower that that measured in MW-11LF, and well MW-12S, where the groundwater level was lower than that measured in well MW-12D, vertical gradients were directed downward during the First Quarter 2009. The vertical gradient between MW-11D and MW-11F, is minimal, and may be due to instrument error.

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.

## 5.0 GROUNDWATER MONITORING WELL PURGING AND SAMPLING

On March 9, 2009, 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 First Quarter 2009 event are summarized in Table 1. Historical groundwater elevation data are summarized in Table 2. Groundwater sampling data sheets are presented in Appendix C.

On March 9, 10, and 11, 2009, 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 First Quarter 2009 groundwater monitoring and sampling event. The Barant peristaltic 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 all 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 dedicated pump tubing at low-flow levels and transferred directly 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 sealed laboratory-supplied trip blank sample (MW-1T) was included with the samples for quality assurance/quality control (QA/QC) purposes.

Approximately 52 liters (14 gallons) of purged groundwater were pumped into a steel 55-gallon drum during the First Quarter 2009 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 October 10, 2008. The Certificate of Disposal is contained in Appendix D.

## 6.0 LABORATORY ANALYSES

The groundwater samples collected during the First Quarter 2009 groundwater monitoring and sampling event were analyzed by SunStar for the diesel-range and gasoline fractions of Total Petroleum Hydrocarbons (TPHd and TPHg, respectively) using EPA Method No. 8015B; for benzene, toluene, ethylbenzene, total xylenes (BTEX); and for methyl tertiary butyl ether (MTBE), and the other fuel oxygenates tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), and ethyl tertiary-butyl ether (ETBE) using EPA Method No. 8260B. The laboratory analytical report is contained in Appendix E.

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-phase benzene concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 12, 13, and 14, respectively. Time-concentration plots for TPHg, MTBE, and benzene for each of the wells are contained in Appendix F.

## 7.0 SUMMARY OF ACTIVITIES AND FINDINGS

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

- Based on the depth to water measurements obtained by TES, groundwater levels have risen an average of 3.5 feet this quarter relative to the corresponding Fourth Quarter 2008 groundwater levels.

- Groundwater in the shallow-zone wells in the southwestern part of the site is generally flowing in an easterly direction at an approximate gradient of 0.011 foot/foot (ft/ft). In the northern and northeastern part of the site, shallow-zone groundwater is flowing in a southeasterly direction at a gradient of approximately 0.015 ft/ft.

- Groundwater in the deep-zone wells is flowing east-southeasterly to southeasterly at a gradient ranging from 0.008 ft/ft in the east to 0.015 ft/ft in the west.

- Groundwater in the Livermore Formation is flowing in a general easterly direction a gradient ranging from 0.007 ft/ft in the east to 0.017 ft/ft in the western part of the site.

- The mounding effect in the shallow zone in the area of wells MW-4S and MW-10S, which was previously noted during the Third and Fourth Quarter 2008 monitoring events, was not evident at the site during the First Quarter 2009 monitoring event. A review of the hydrographs of these wells in Appendix B indicates that it may be seasonal. The mounding of the groundwater in the area of these wells at certain times of the year cannot be adequately explained by any specific mechanism and may be a combination of factors, including excavation and pumping operations related to aggregate extraction or possible perched conditions during periods of lower groundwater levels. 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 TES from the monitoring wells at the site, and they were delivered to SunStar for analysis.

- A maximum TPHd concentration of 100,000 micrograms per liter (µg/L) was detected in well MW-11D. Highest TPHd concentrations appear to be localized in the deep-zone in the southern part of the area at well MW-11D. Lower deep-zone diesel concentrations (1,200 to 2,800 µg/L) extend north from well MW-11D through deep-zone wells MW-2D, MW-7D and MW-9D. Shallow-zone wells MW-2S, MW-5S, and MW-6S have also been impacted by TPHd concentrations above the laboratory reporting limit.

- A maximum TPHg concentration of 23,000 µg/L was detected in well MW-11D. 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 south-central part of the area in the vicinity of well MW-11D (Figure 7). Concentrations of TPHg in well MW-7S have decreased to a level below the laboratory reporting limit. Concentrations below the laboratory reporting limit in well MW-7S were also reported during the Third and Fourth Quarters of 2006.

- A maximum MTBE concentration of 200 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-5, MW-6, and MW-11 (Figures 9, 10, and 11). MTBE is notably absent in well clusters MW-7 and MW-9 in the northern part of the area.

- A maximum benzene concentration of 530 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). Benzene was also detected at a concentration of 1.8 μg/L in well MW-11D.

- A review of the time-concentration plots in Appendix F indicates that, in general, concentrations of TPHg, benzene, and MTBE have declined significantly from pre-2007 levels. Concentrations over the last 2 years have generally decreased somewhat or have stabilized.

- Concentration trends of toluene, ethylbenzene, and total xylenes are similar to those of benzene.

- In general, the distribution of significant concentrations of TPHg and BTEX in the wells during the current monitoring event are comparable to historical concentrations of these analytes at the site.

- TBA was not detected at concentrations above its laboratory reporting limit in any of the wells during the First Quarter 2009.

- 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.

- 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.

## 9.0 REFERENCES

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

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

Alameda County Environmental Health Services, May 1, 2008, *Fuel Leak Case No. RO0000207 and Geotracker Global ID T0600109092*, Mission Valley Rock and Asphalt, 7999 Athenour Way, Sunol, CA 94586.

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.

LFR, Inc., March 28, 2008, *Air Sparge Pilot Test Completion Report*, 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 Services, Inc., February 13, 2009*, Fourth Quarter 2008 Groundwater Monitoring and Sampling Report*, Hanson Aggregates Mid-Pacific, Inc., Mission Valley Rock Facility, 7999 Athenour Way, Sunol, California.

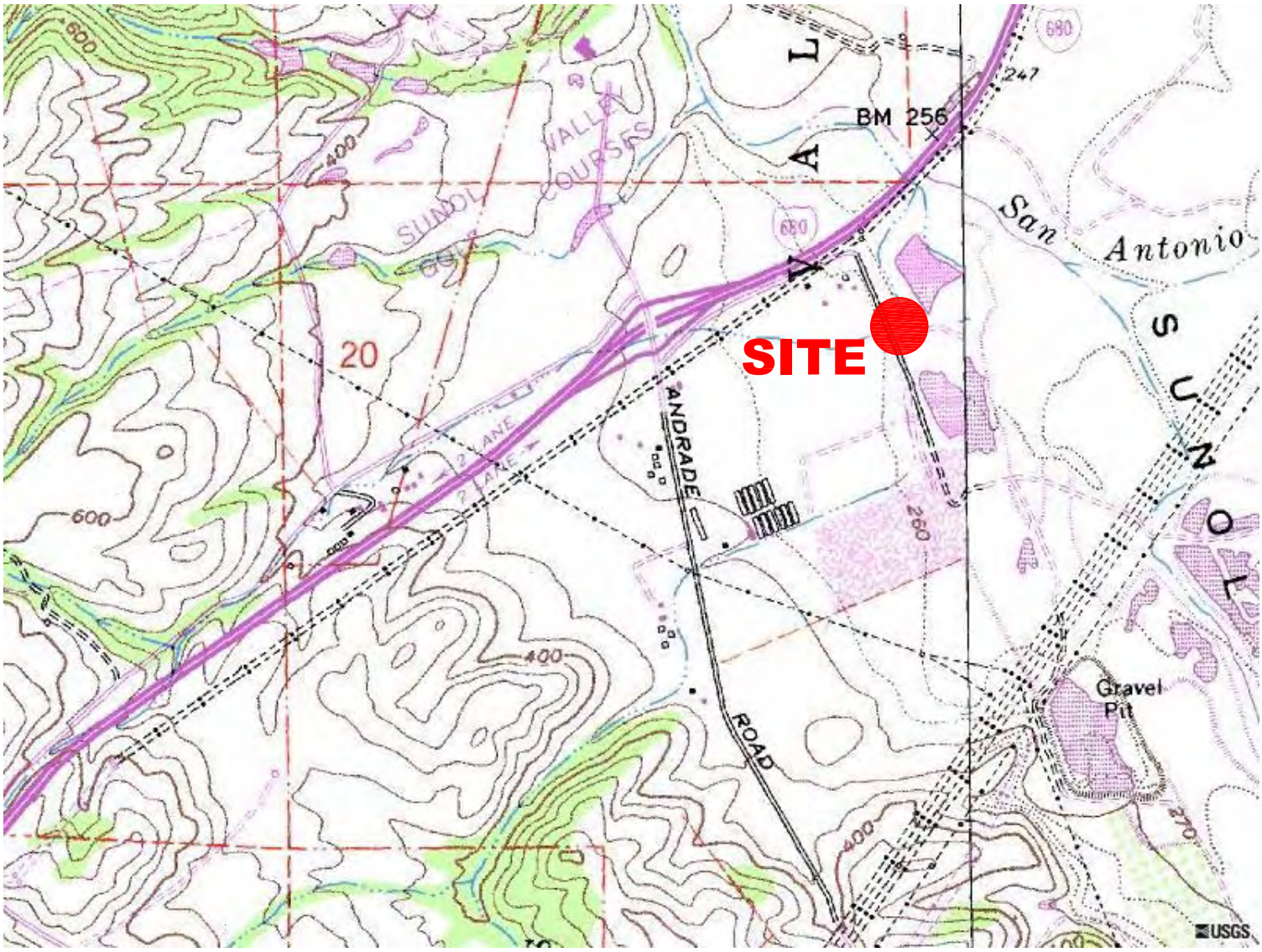
U.S. Geological Survey (USGS), 1989, *Fremont 7.5 Minute Topographic Quadrangle Map*, 1:24,000.

## 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 TES 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 TES 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. TES 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.

M:\TEM\9002\Active Projects\EM5009F-Hanson Aggregates (Formerly MV Rock)\2009 Qtly GW Monitoring [EM5009F]\GW Monitoring 1st Qtr 2009\MVR 1st Qtr Report 2009.doc

# FIGURES




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

N

0 1000 2000

APPROXIMATE SCALE (IN FEET)

701 NORTH PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX

TAIT
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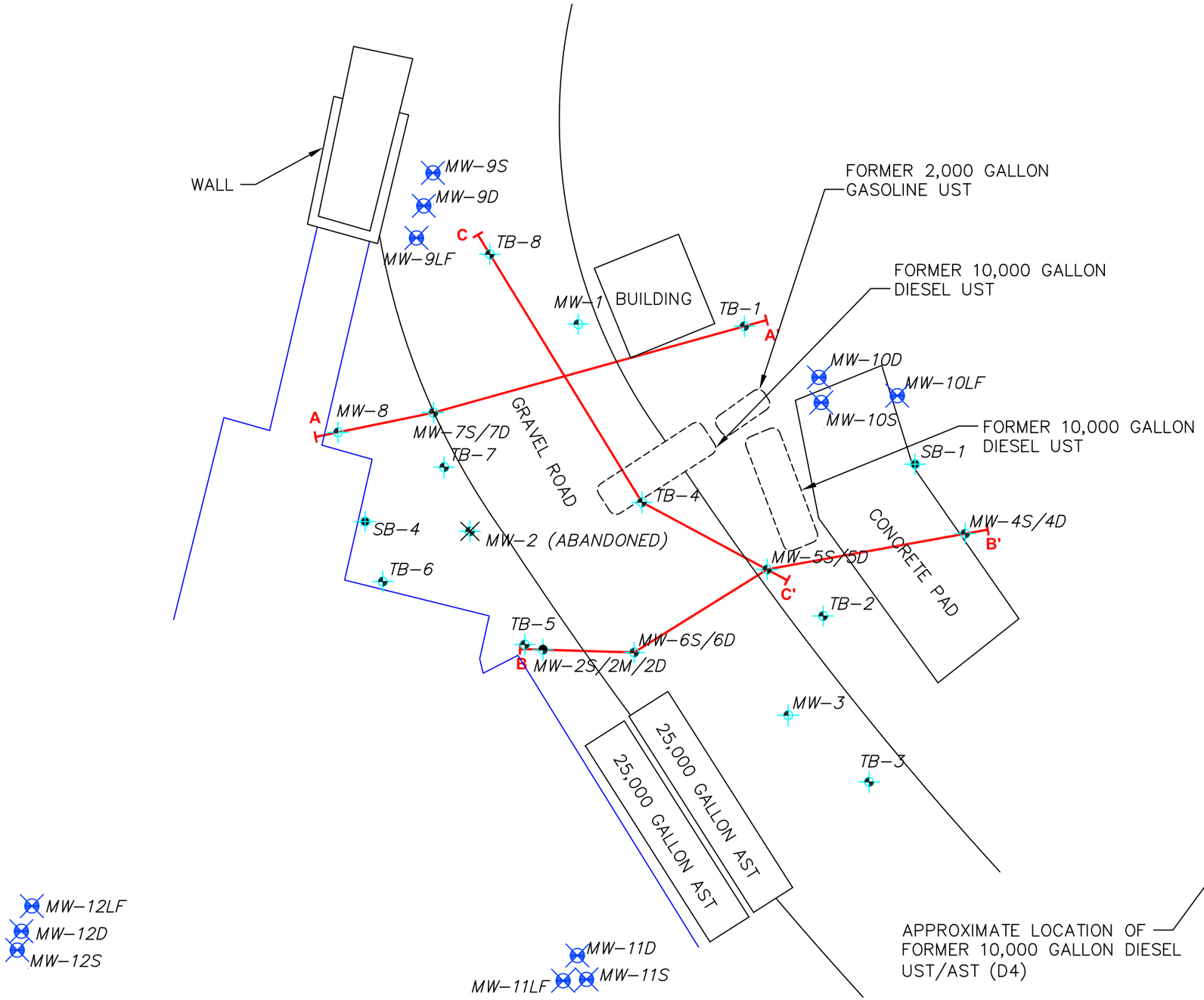
# SITE VICINITY MAP

HANSON AGGREGATES
MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE 1




## EXPLANATION

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

N

0 30 60

SCALE = 1" = 30'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SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX

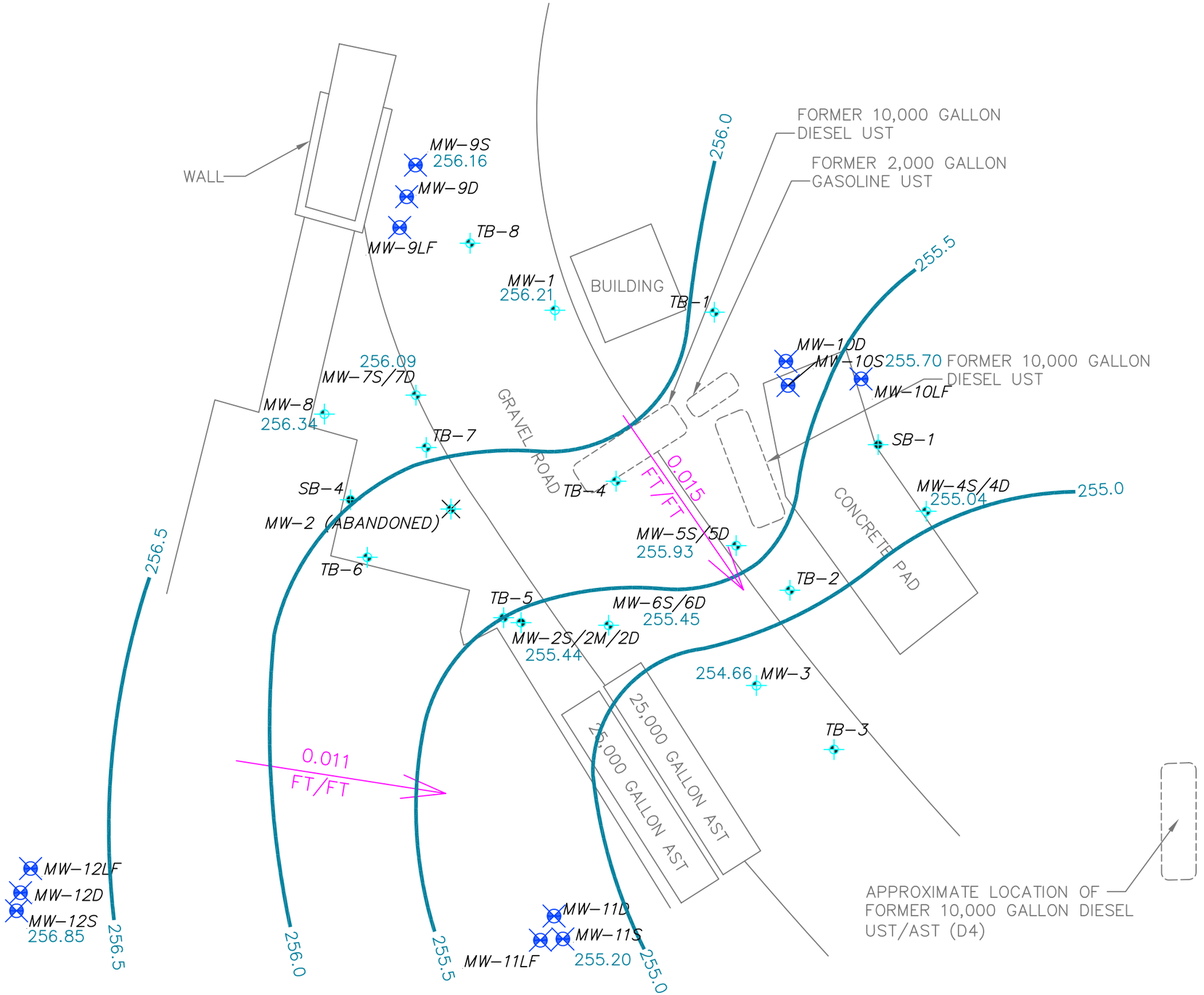

# SITE PLAN

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE 2




## EXPLANATION

| | |
|---|---|
| MW–9S | NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION |
| MW–1 | EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION |
| MW–7S/7D | EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED |
| MW–2S/SM/2D | EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED |
| MW–2 | ABANDONED GROUNDWATER MONITORING WELL |
| TB–1 | GRAB GROUNDWATER SAMPLE LOCATION |
| SB–1 | TEMPORARY SOIL BORING LOCATION |
| AST= | ABOVEGROUND STORAGE TANK |
| UST = | UNDERGROUND STORAGE TANK |
| —256.0— | GROUNDWATER ELEVATION CONTOUR (IN FEET ABOVE MEAN SEA LEVEL) |

N

0 30 60

SCALE = 1" = 30'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701 NORTH PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
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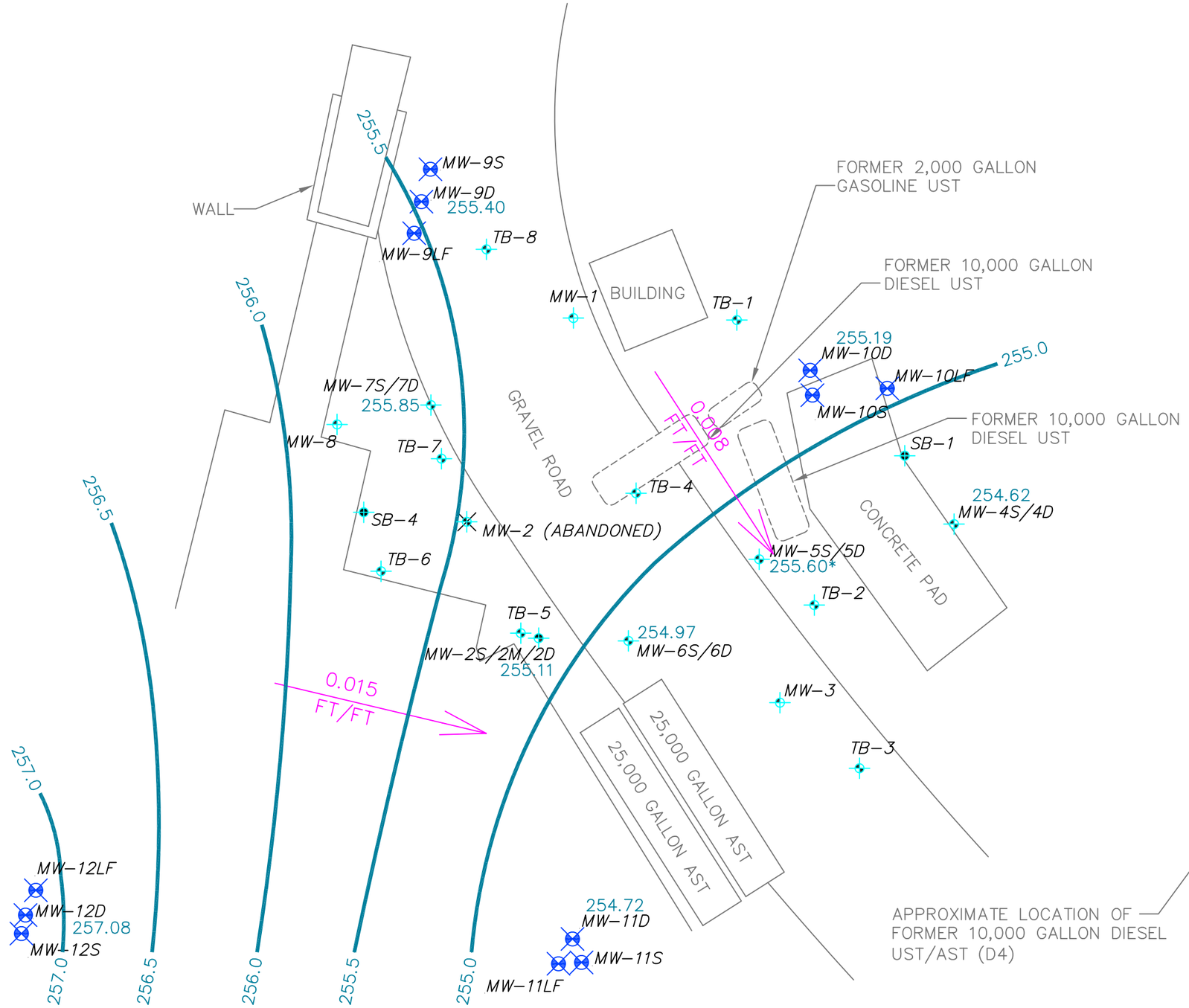
# GROUNDWATER CONTOUR MAP (SHALLOW ZONE)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE
3




## EXPLANATION

| | |
|---|---|
| MW–9S | NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION |
| MW–1 | EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION |
| MW–7S/7D | EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED |
| MW–2S/SM/2D | EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED |
| MW–2 | ABANDONED GROUNDWATER MONITORING WELL |
| TB–1 | GRAB GROUNDWATER SAMPLE LOCATION |
| SB–1 | TEMPORARY SOIL BORING LOCATION |
| AST= | ABOVEGROUND STORAGE TANK |
| UST = | UNDERGROUND STORAGE TANK |
| —255.0— | GROUNDWATER ELEVATION CONTOUR (IN FEET ABOVE MEAN SEA LEVEL) |
| 255.60* | NOT USED FOR CONTOURING |

N

0 30 60

SCALE = 1" = 30'


TAIT
RISING TO THE CHALLENGE

701 NORTH PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX

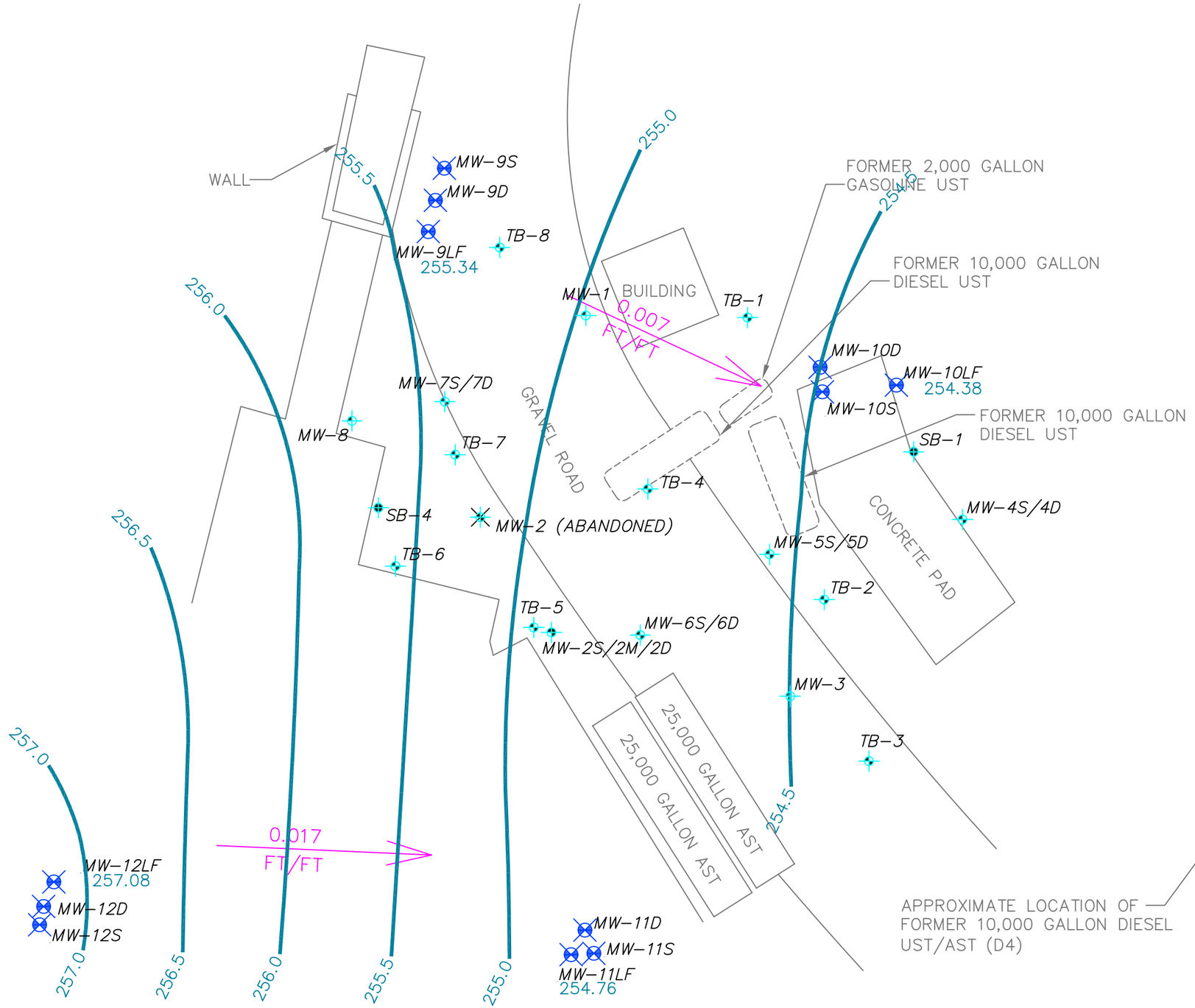

# GROUNDWATER CONTOUR MAP (DEEP ZONE)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE 4




## EXPLANATION

| | |
|---|---|
| MW-9S | NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION |
| MW-1 | EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION |
| MW-7S/7D | EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED |
| MW-2S/SM/2D | EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED |
| MW-2 | ABANDONED GROUNDWATER MONITORING WELL |
| TB-1 | GRAB GROUNDWATER SAMPLE LOCATION |
| SB-1 | TEMPORARY SOIL BORING LOCATION |
| AST= | ABOVEGROUND STORAGE TANK |
| UST = | UNDERGROUND STORAGE TANK |
| —255.0— | GROUNDWATER ELEVATION CONTOUR (IN FEET ABOVE MEAN SEA LEVEL) |

N

0 30 60

SCALE = 1" = 30'

TAIT
RISING TO THE CHALLENGE
701 NORTH PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX

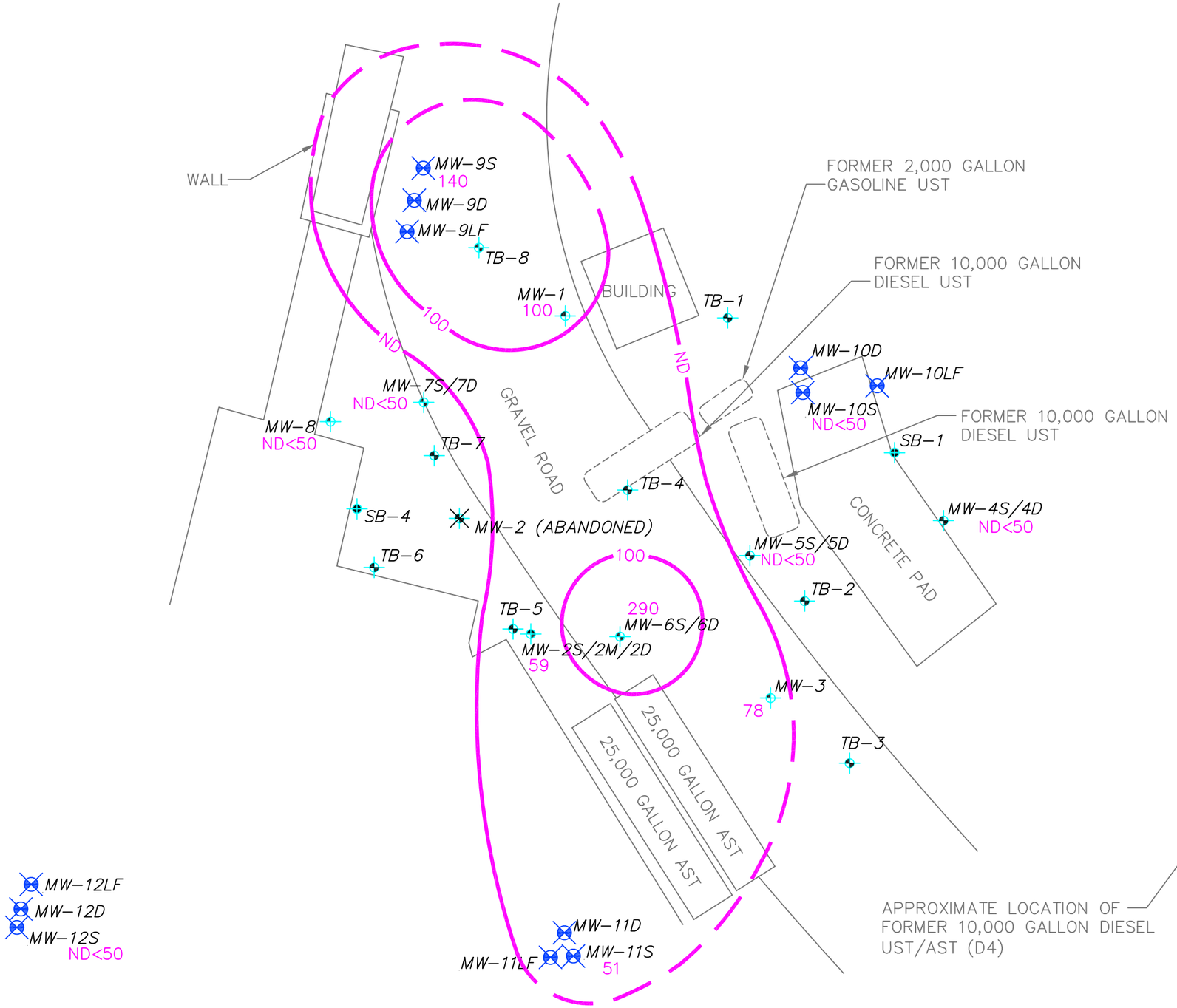
# GROUNDWATER CONTOUR MAP (LIVERMORE FORMATION)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE 5




## EXPLANATION

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

N

0 30 60

SCALE = 1" = 30'

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TAIT
RISING TO THE CHALLENGE

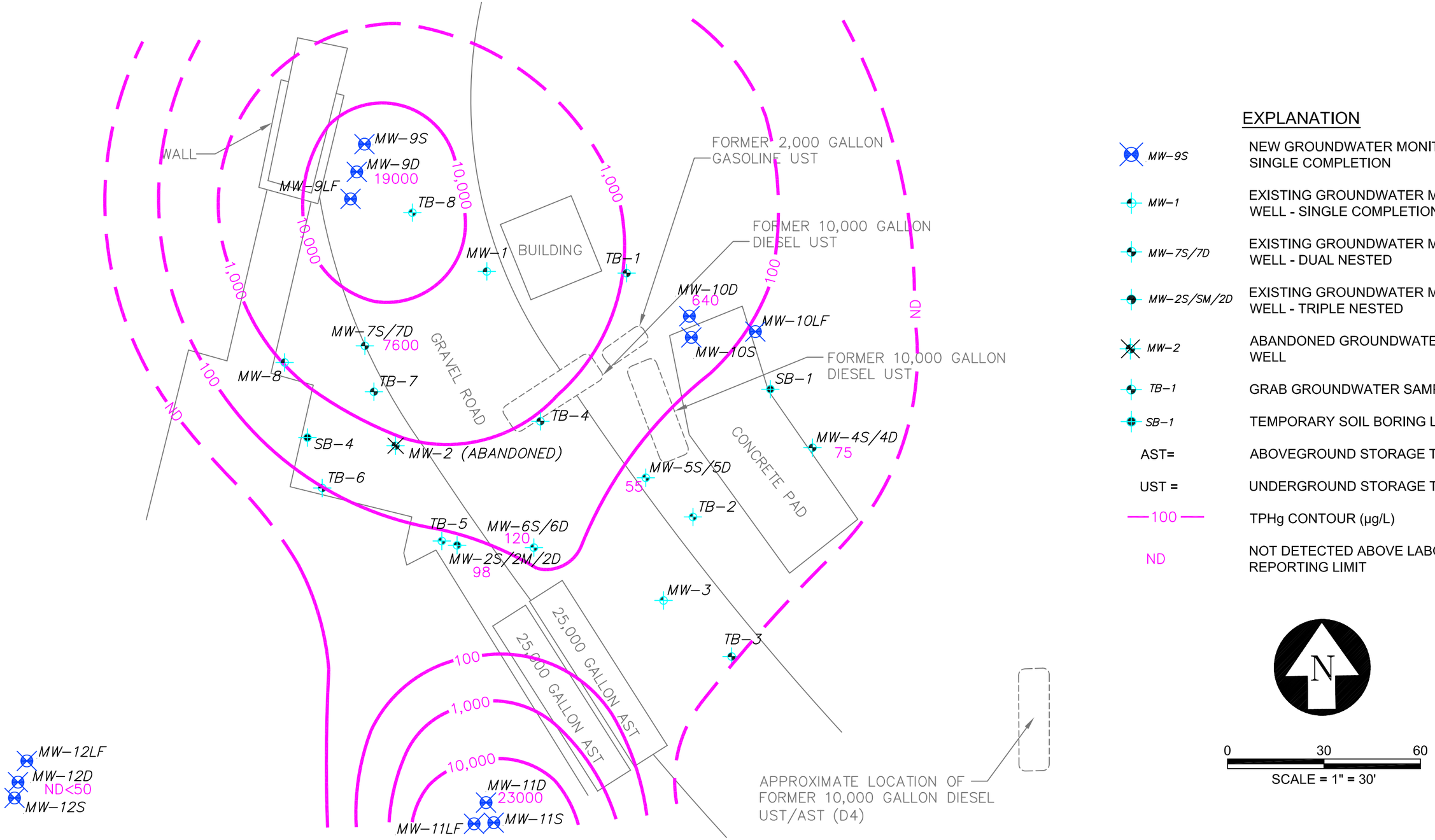
# TPHg CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE
6




## EXPLANATION

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

N

0 30 60

SCALE = 1" = 30'


TAIT
RISING TO THE CHALLENGE

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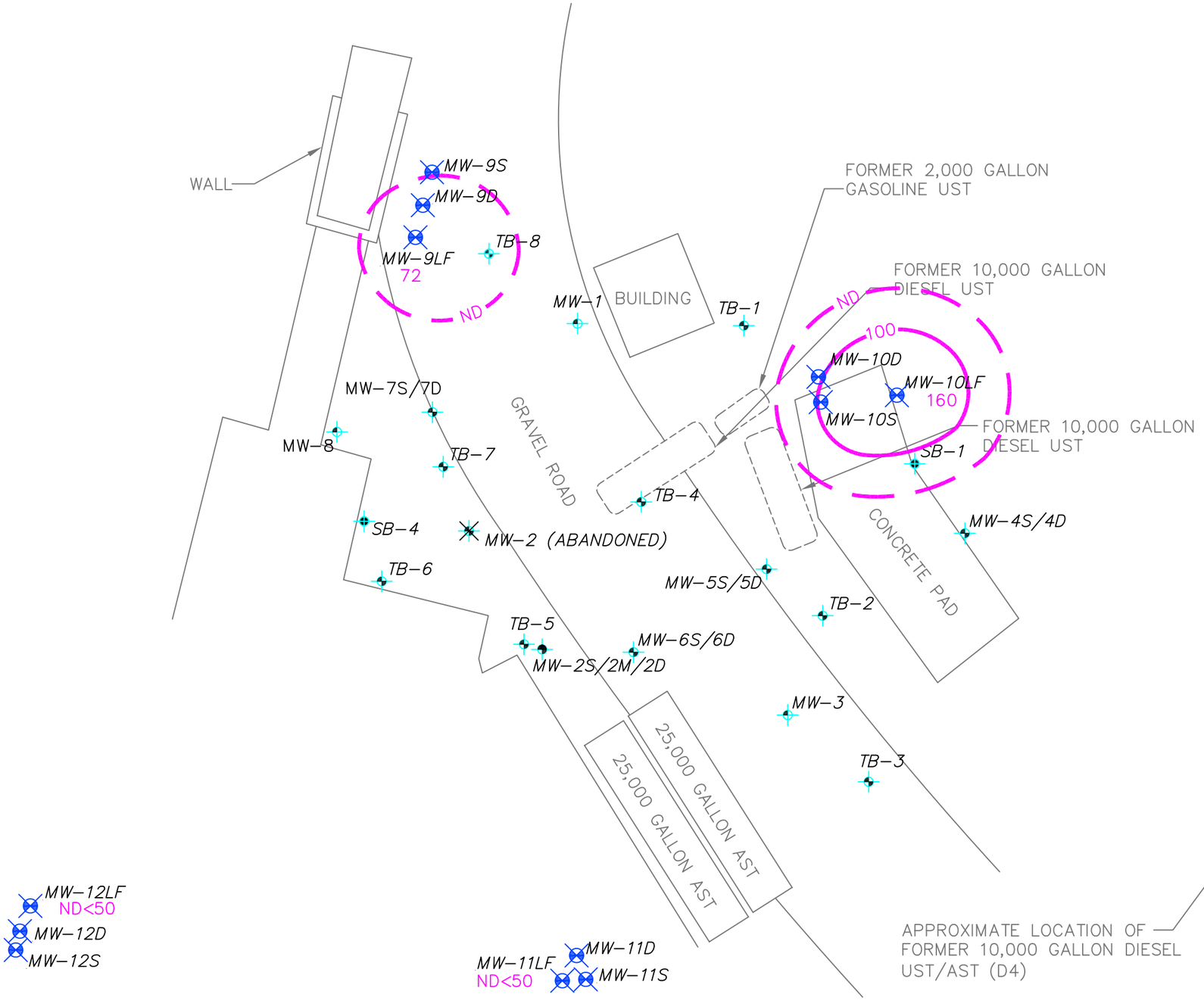
# TPHg CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE 7




## EXPLANATION

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

N

0 30 60

SCALE = 1" = 30'

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TAIT
RISING TO THE CHALLENGE

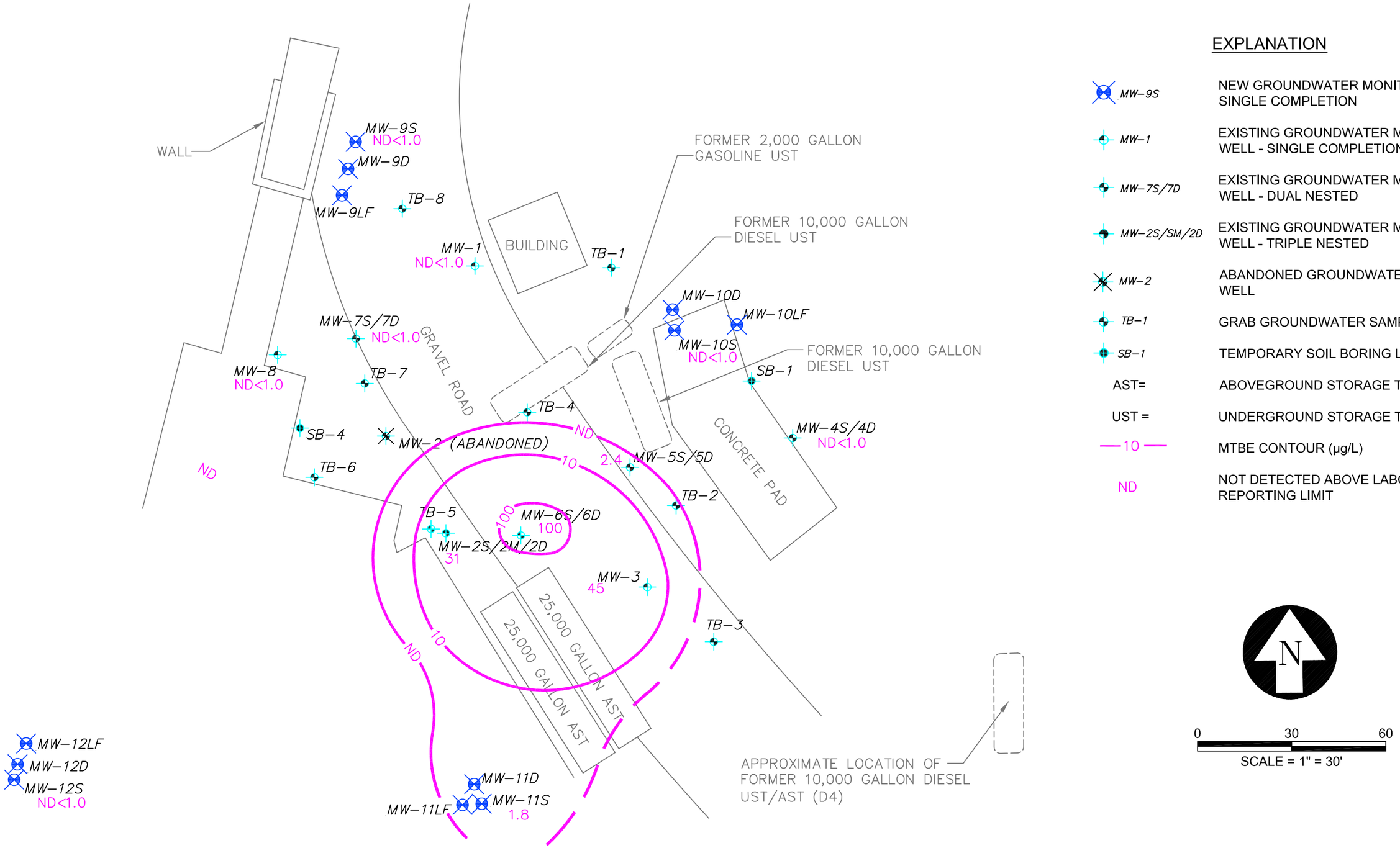
# TPHg CONCENTRATIONS IN GROUNDWATER (LIVERMORE FORMATION)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE
8




## EXPLANATION

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

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TAIT
RISING TO THE CHALLENGE

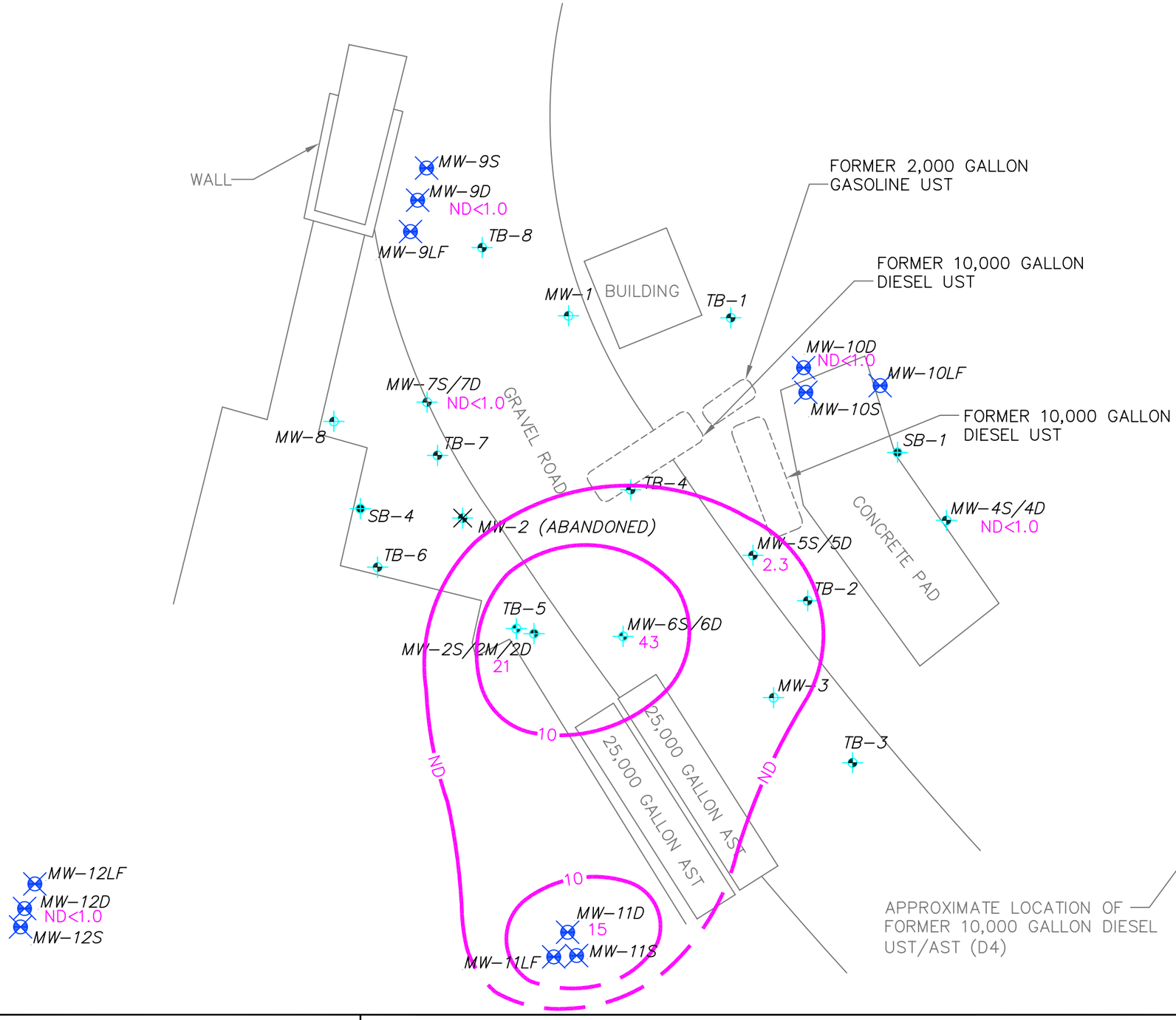
# MTBE CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE
9




## EXPLANATION

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

N

0 30 60

SCALE = 1" = 30'

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TAIT
RISING TO THE CHALLENGE

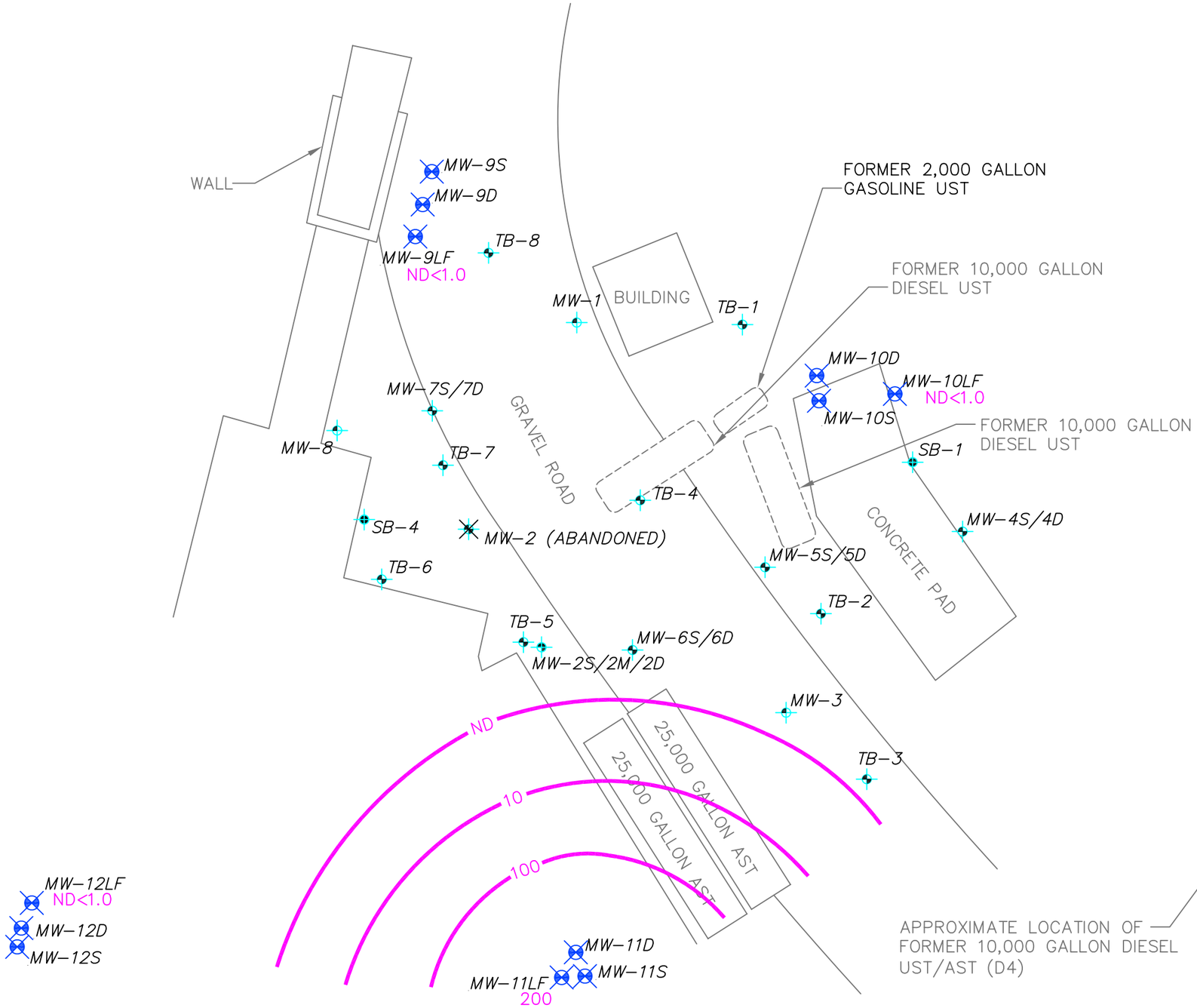
# MTBE CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE 10




## EXPLANATION

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

N

0 30 60

SCALE = 1" = 30'

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TAIT
RISING TO THE CHALLENGE

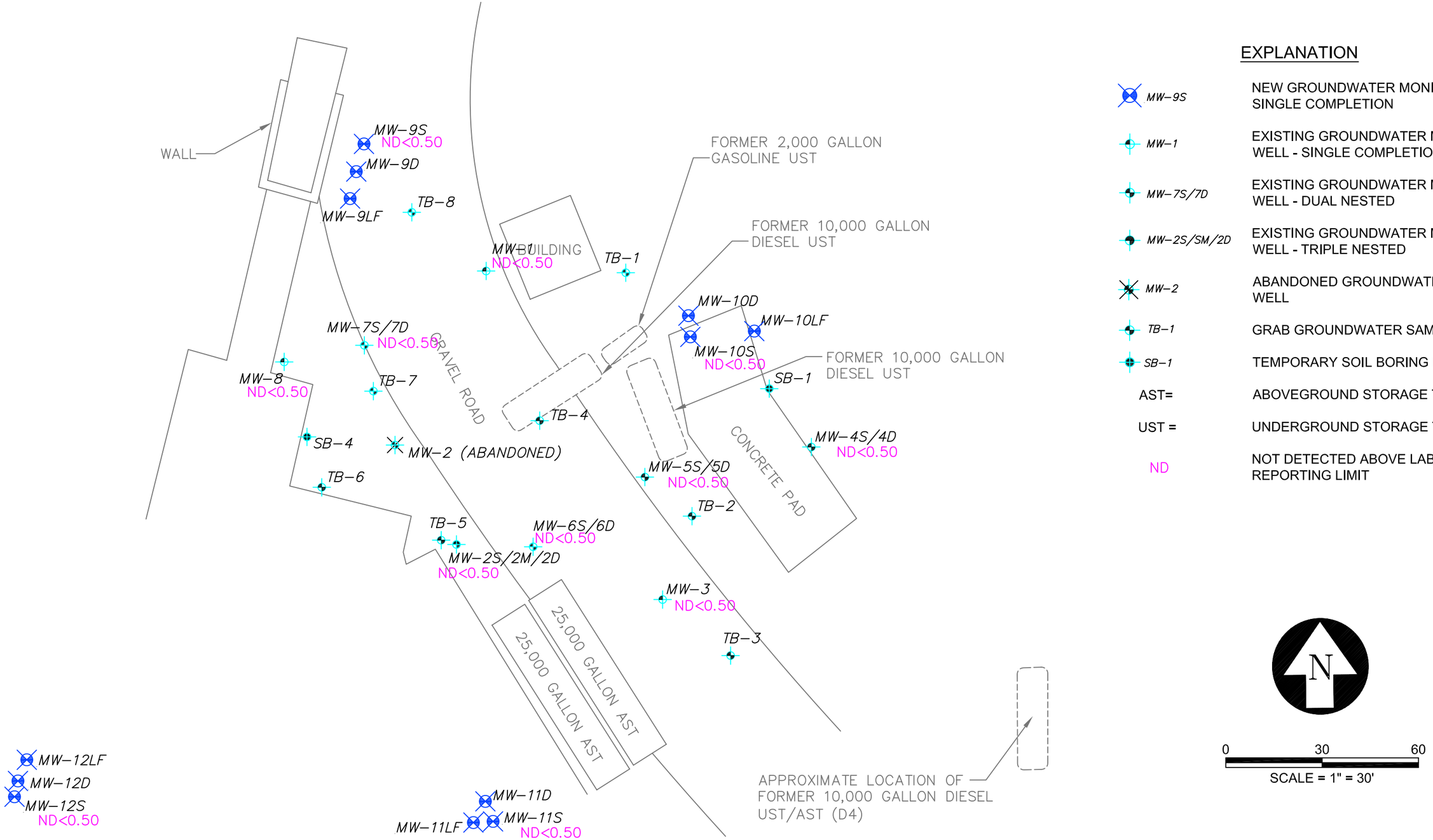
# MTBE CONCENTRATIONS IN GROUNDWATER (LIVERMORE FORMATION)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE 11




## EXPLANATION

| | |
|---|---|
| MW-9S | NEW GROUNDWATER MONITORING WELL - SINGLE COMPLETION |
| MW-1 | EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION |
| MW-7S/7D | EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED |
| MW-2S/SM/2D | EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED |
| MW-2 | ABANDONED GROUNDWATER MONITORING WELL |
| TB-1 | GRAB GROUNDWATER SAMPLE LOCATION |
| SB-1 | TEMPORARY SOIL BORING LOCATION |
| AST= | ABOVEGROUND STORAGE TANK |
| UST = | UNDERGROUND STORAGE TANK |
| ND | NOT DETECTED ABOVE LABORATORY REPORTING LIMIT |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TAIT
RISING TO THE CHALLENGE

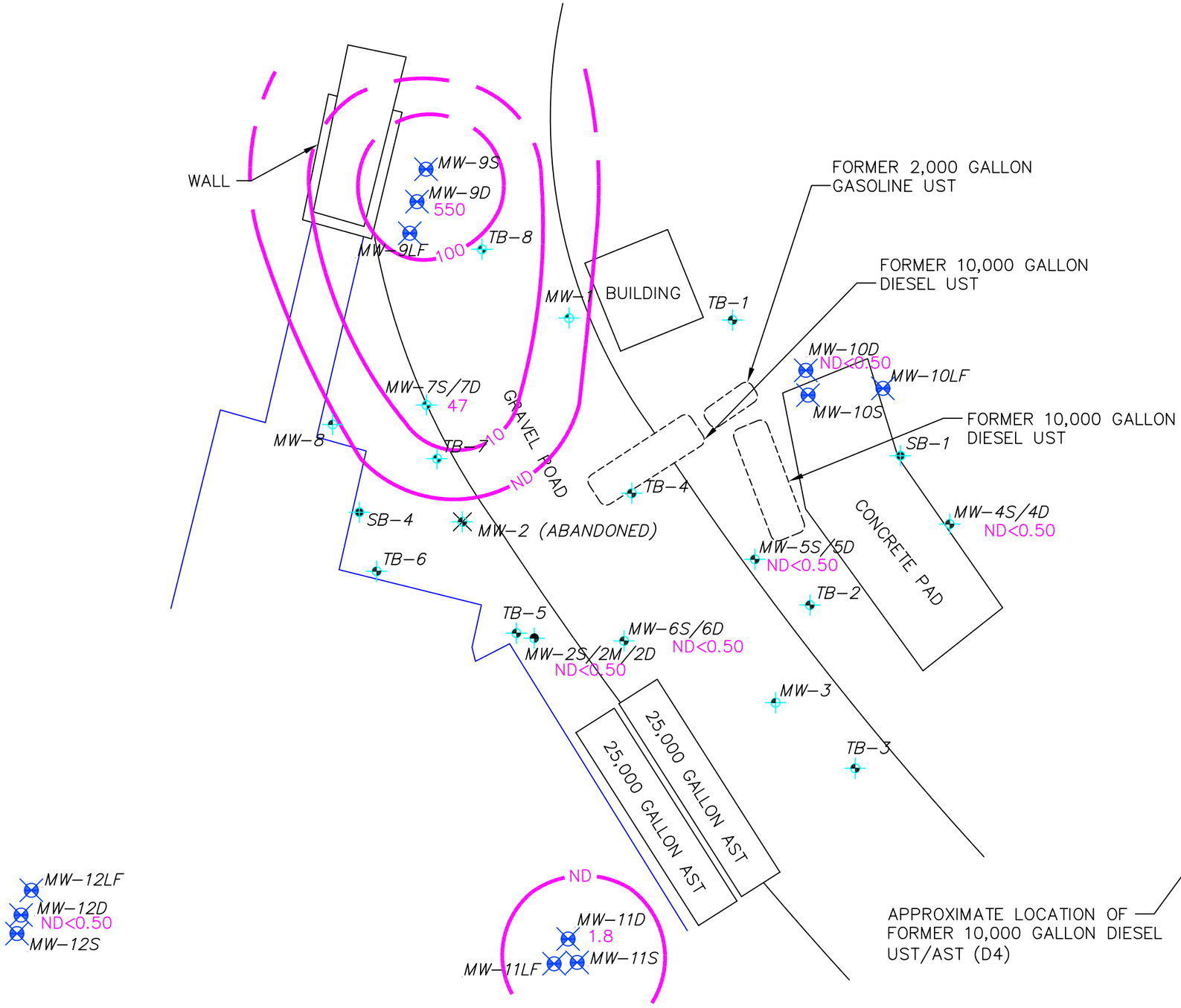

# BENZENE CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE
12




## EXPLANATION

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

N

0 30 60

SCALE = 1" = 30'


TAIT
RISING TO THE CHALLENGE

701 NORTH PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
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(714) 560-8235 FAX

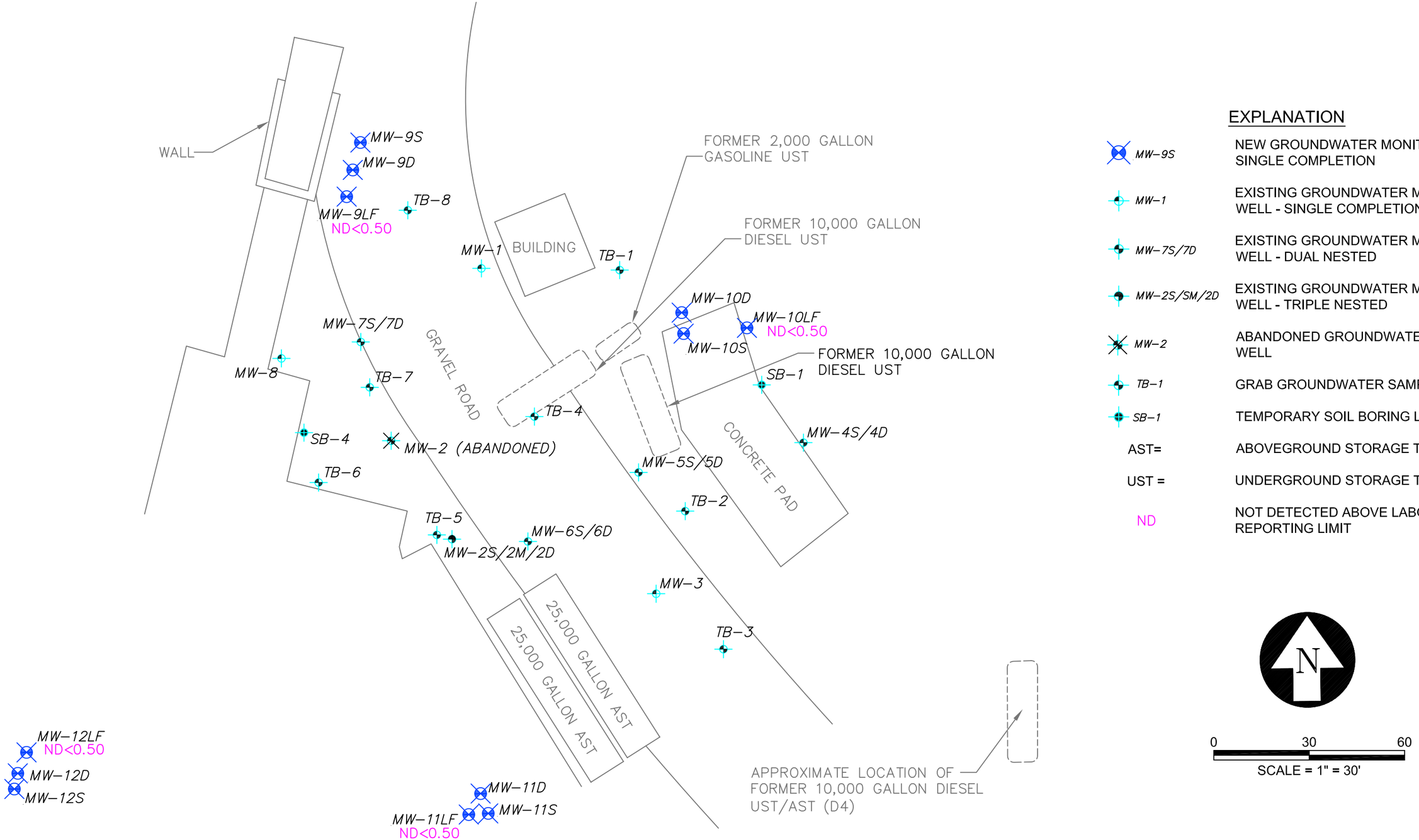

# BENZENE CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE 13




## EXPLANATION

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

N

0 30 60

SCALE = 1" = 30'

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

TAIT
RISING TO THE CHALLENGE

# BENZENE CONCENTRATIONS IN GROUNDWATER (LIVERMORE FORMATION)

**FIRST QUARTER 2009**

HANSON AGGREGATES - MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009F |
| DATE: | MARCH 2009 |

FIGURE 14

# TABLES

**Table 1**
**Well Construction Details and Groundwater Elevation Data**
**First Quarter 2009**
Hanson Aggregates - Mission Valley Rock Facility
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 | 2.47 | 17.78 | 5.0 - 20.0 | 258.68 | 256.21 |
| **MW-2S** | 2 | 3.40 | 8.71 | 3.0-8.0 | 258.84 | 255.44 |
| **MW-2M** | 2 | 3.68 | 12.29 | 14.0-19.0 | 258.99 | 255.31 |
| **MW-2D** | 2 | 3.80 | 29.54 | 25.0-30.0 | 258.91 | 255.11 |
| **MW-3** | 2 | 4.42 | 14.70 | 5.0-20.0 | 259.08 | 254.66 |
| **MW-4S** | 2 | 4.10 | 8.35 | 3.0-8.0 | 259.14 | 255.04 |
| **MW-4D** | 2 | 4.60 | 23.38 | 17.0-22.0 | 259.22 | 254.62 |
| **MW-5S** | 2 | 3.50 | 8.24 | 3.0-8.0 | 259.43 | 255.93 |
| **MW-5D** | 2 | 3.80 | 22.65 | 17.0-22.0 | 259.40 | 255.60 |
| **MW-6S** | 2 | 3.30 | 15.00 | 5.0-15.0 | 258.75 | 255.45 |
| **MW-6D** | 2 | 4.30 | 29.15 | 24.5-29.5 | 259.27 | 254.97 |
| **MW-7S** | 2 | 2.75 | 8.48 | 5.0-8.0 | 258.84 | 256.09 |
| **MW-7D** | 2 | 2.95 | 23.61 | 20.0-25.0 | 258.80 | 255.85 |
| **MW-8** | 2 | 2.50 | 15.34 | 5.0-15.0 | 258.84 | 256.34 |
| **MW-9S** | 2 | 2.25 | 12.20 | 5.3-12.3 | 258.41 | 256.16 |
| **MW-9D** | 2 | 3.46 | 24.28 | 18.9-23.9 | 258.86 | 255.40 |
| **MW-9LF** | 2 | 3.60 | 39.11 | 33.3-38.3 | 258.94 | 255.34 |
| **MW-10S** | 2 | 4.97 | 9.58 | 4.8-9.8 | 260.67 | 255.70 |
| **MW-10D** | 2 | 5.45 | 19.38 | 15.5-20.5 | 260.64 | 255.19 |
| **MW-10LF** | 2 | 6.20 | 39.90 | 34.4-39.4 | 260.58 | 254.38 |
| **MW-11S** | 2 | 3.76 | 9.43 | 4.8-9.8 | 258.96 | 255.20 |
| **MW-11D** | 2 | 4.26 | 20.50 | 15.3-20.3 | 258.98 | 254.72 |
| **MW-11LF** | 2 | 4.25 | 39.41 | 32.8-37.8 | 259.01 | 254.76 |
| **MW-12S** | 2 | 5.84 | 11.04 | 4.6-11.6 | 262.69 | 256.85 |
| **MW-12D** | 2 | 5.62 | 19.70 | 16.0-21.0 | 262.70 | 257.08 |
| **MW-12LF** | 2 | 5.82 | 39.50 | 33.7-38.7 | 262.90 | 257.08 |

**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 March 9, 2009.
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
NM = Not Measured (due to equipment obstructing access to well)

**Table 2**
**Historical Groundwater Gauging Data**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---|---|---|---|---|---|
| **MW-1** | 256.51 | 06/23/98 | 1.32 | 255.19 | ND |
| | | 01/05/99 | 2.28 | 254.23 | ND |
| | | 03/29/99 | 1.88 | 254.63 | ND |
| | | 06/10/99 | 3.35 | 253.16 | ND |
| | | 09/17/99 | 3.66 | 252.85 | ND |
| | | 12/27/99 | 2.94 | 253.57 | ND |
| | | 03/22/00 | 2.72 | 253.79 | Odor |
| | | 06/30/00 | 4.01 | 252.50 | Slight Odor |
| | | 09/14/00 | 5.11 | 251.40 | Slight Odor |
| | | 12/20/00 | 4.95 | 251.56 | ND |
| | | 03/22/01 | 2.28 | 254.23 | ND |
| | | 06/27/01 | 3.60 | 252.91 | ND |
| | | 09/21/01 | 6.50 | 250.01 | ND |
| | | 12/27/01 | 1.29 | 255.22 | ND |
| | | 03/29/02 | 2.91 | 253.60 | ND |
| | | 06/13/02 | 3.95 | 252.56 | ND |
| | | 09/27/02 | 5.18 | 251.33 | ND |
| | | 12/03/02 | 3.90 | 252.61 | ND |
| | | 03/31/03 | 1.40 | 255.11 | ND |
| | | 06/27/03 | 2.65 | 253.86 | ND |
| | | 09/19/03 | 4.67 | 251.84 | ND |
| | | 12/22/03 | 4.60 | 251.91 | ND |
| | 258.68 | 01/17/05 | 3.41 | 255.27 | ND |
| | | 05/04/05 | 1.20 | 257.48 | ND |
| | | 08/12/05 | 4.52 | 254.16 | ND |
| | | 12/12/05 | 6.44 | 252.24 | ND |
| | | 03/02/06 | 0.71 | 257.97 | ND |
| | | 06/12/06 | 2.47 | 256.21 | ND |
| | | 09/05/06 | 6.13 | 252.55 | ND |
| | | 12/04/06 | 5.42 | 253.26 | ND |
| | | 02/26/07 | 2.46 | 256.22 | ND |
| | | 06/11/07 | 4.10 | 254.58 | ND |
| | | 09/11/07 | 5.48 | 253.20 | ND |
| | | 12/10/07 | 5.35 | 253.33 | ND |
| | | 03/10/08 | 1.90 | 256.78 | ND |
| | | 06/09/08 | 3.26 | 255.42 | ND |
| | | 09/08/08 | 4.49 | 254.19 | ND |
| | | 12/08/08 | 5.90 | 252.78 | ND |
| | | 03/09/09 | 2.47 | 256.21 | ND |

**Table 2**
**Historical Groundwater Gauging Data**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---|---|---|---|---|---|
| **MW-2** | 256.7 | 06/23/98 | 1.72 | 254.98 | 0.005 |
| | | 01/05/99 | 2.69 | 254.01 | 4.00 |
| | | 03/29/99 | 2.50 | 254.20 | ND |
| | | 06/10/99 | 4.00 | 252.70 | Sheen |
| | | 09/17/99 | 4.54 | 252.16 | 0.50 |
| | | 12/27/99 | 3.85 | 252.85 | 0.13 |
| | | 03/22/00 | 3.20 | 253.50 | 0.03 |
| | | 06/30/00 | 4.62 | 252.08 | 0.02 |
| | | 09/14/00 | 5.95 | 250.75 | >0.01 |
| | | 12/20/00 | 5.65 | 251.05 | 0.07 |
| | | 03/22/01 | 3.21 | 253.49 | 0.10 |
| | | 06/27/01 | 3.31 | 253.39 | 0.06 |
| | | 09/21/01 | 7.08 | 249.62 | 0.34 |
| | | 12/27/01 | 2.18 | 254.52 | 0.26 |
| | | 03/29/02 | 3.40 | 253.30 | 0.90 |
| | | 06/13/02 | 4.35 | 252.35 | 0.08 |
| | | 09/27/02 | 5.54 | 251.16 | ND |
| | | 12/03/02 | 4.30 | 252.40 | ND |
| | | 03/31/03 | 1.78 | 254.92 | ND |
| | | 06/27/03 | 3.10 | 253.60 | ND |
| | | 09/19/03 | 5.02 | 251.68 | ND |
| | | 12/22/03 | NM | NM | ND |
| **MW-2** | 256.7 | 01/05/05 | Abandoned | | |
| **MW-2S** | 258.84 | 01/17/05 | 4.25 | 254.59 | ND |
| | | 05/04/05 | 1.98 | 256.86 | ND |
| | | 08/12/05 | 5.46 | 253.38 | ND |
| | | 12/12/05 | 7.38 | 251.46 | ND |
| | | 03/02/06 | 2.24 | 256.60 | ND |
| | | 06/12/06 | 3.08 | 255.76 | ND |
| | | 09/05/06 | 7.01 | 251.83 | ND |
| | | 12/04/06 | 6.40 | 252.44 | ND |
| | | 02/26/07 | 3.52 | 255.32 | ND |
| | | 06/11/07 | 4.93 | 253.91 | ND |
| | | 09/11/07 | 6.45 | 252.39 | ND |
| | | 12/10/07 | 6.55 | 252.29 | ND |
| | | 03/10/08 | 2.82 | 256.02 | ND |
| | | 06/09/08 | 4.03 | 254.81 | ND |
| | | 09/08/08 | 5.42 | 253.42 | ND |
| | | 12/08/08 | 6.95 | 251.89 | ND |
| | | 03/09/09 | 3.40 | 255.44 | ND |

**Table 2**
**Historical Groundwater Gauging Data**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---|---|---|---|---|---|
| **MW-2M** | 258.99 | 01/17/05 | 4.68 | 254.31 | ND |
| | | 05/04/05 | 2.32 | 256.67 | ND |
| | | 08/12/05 | 5.77 | 253.22 | ND |
| | | 12/12/05 | 7.78 | 251.21 | ND |
| | | 03/02/06 | 2.10 | 256.89 | ND |
| | | 06/12/06 | 3.39 | 255.60 | ND |
| | | 09/05/06 | 7.36 | 251.63 | ND |
| | | 12/04/06 | 6.89 | 252.10 | ND |
| | | 02/26/07 | 3.79 | 255.20 | ND |
| | | 06/11/07 | 5.30 | 253.69 | ND |
| | | 09/11/07 | 6.88 | 252.11 | ND |
| | | 12/10/07 | 7.04 | 251.95 | ND |
| | | 03/10/08 | 3.15 | 255.84 | ND |
| | | 06/09/08 | 4.39 | 254.60 | ND |
| | | 09/08/08 | 5.85 | 253.14 | ND |
| | | 12/08/08 | 7.35 | 251.64 | ND |
| | | 03/09/09 | 3.68 | 255.31 | ND |
| **MW-2D** | 258.91 | 01/17/05 | 4.75 | 254.16 | ND |
| | | 05/04/05 | 2.38 | 256.53 | ND |
| | | 08/12/05 | 5.90 | 253.01 | ND |
| | | 12/12/05 | 7.85 | 251.06 | ND |
| | | 03/02/06 | 2.16 | 256.75 | ND |
| | | 06/12/06 | 3.48 | 255.43 | ND |
| | | 09/05/06 | 7.44 | 251.47 | ND |
| | | 12/04/06 | 6.94 | 251.97 | ND |
| | | 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 |
| | | 03/10/08 | 3.22 | 255.69 | ND |
| | | 06/09/08 | 4.46 | 254.45 | ND |
| | | 09/08/08 | 5.94 | 252.97 | ND |
| | | 12/08/08 | 7.60 | 251.31 | ND |
| | | 03/09/09 | 3.80 | 255.11 | ND |
| **MW-3** | 256.72 | 06/23/98 | 2.66 | 254.06 | ND |
| | | 01/05/99 | 4.47 | 252.25 | Slight Odor |
| | | 03/29/99 | 3.96 | 252.76 | Sheen |
| | | 06/10/99 | 5.54 | 251.18 | ND |
| | | 09/17/99 | 6.18 | 250.54 | Sheen |
| | | 12/27/99 | 5.52 | 251.20 | Odor |
| | | 03/22/00 | 4.61 | 252.11 | Odor |
| | | 06/30/00 | 6.35 | 250.37 | Very Slight Odor |
| | | 09/14/00 | 7.30 | 249.42 | Very Slight Odor |
| | | 12/20/00 | 7.29 | 249.43 | ND |
| | | 03/22/01 | 4.73 | 251.99 | ND |
| | | 06/27/01 | NM | NM | NM |
| | | 09/21/01 | 7.89 | 248.83 | ND |
| | | 12/27/01 | 3.77 | 252.95 | ND |
| | | 03/29/02 | 5.12 | 251.60 | ND |
| | | 06/13/02 | 6.52 | 250.20 | ND |
| | | 09/27/02 | 7.28 | 249.44 | ND |
| | | 12/03/02 | 6.40 | 250.32 | ND |
| | | 03/31/03 | 4.01 | 252.71 | ND |

**Table 2**
**Historical Groundwater Gauging Data**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---|---|---|---|---|---|
| **MW-3** | 256.72 | 06/27/03 | 5.13 | 251.59 | ND |
| | | 09/19/03 | 5.13 | 251.59 | ND |
| | | 12/22/03 | 7.20 | 249.52 | ND |
| | 259.08 | 01/17/05 | 5.81 | 253.27 | ND |
| | | 05/04/05 | 3.50 | 255.58 | ND |
| | | 08/12/05 | 6.01 | 253.07 | ND |
| | | 12/12/05 | 8.45 | 250.63 | ND |
| | | 03/02/06 | 3.42 | 255.66 | ND |
| | | 06/12/06 | 4.15 | 254.93 | ND |
| | | 09/05/06 | 7.97 | 251.11 | ND |
| | | 12/04/06 | 7.30 | 251.78 | ND |
| | | 02/26/07 | 4.62 | 254.46 | ND |
| | | 06/11/07 | 6.11 | 252.97 | ND |
| | | 09/11/07 | 7.47 | 251.61 | ND |
| | | 12/10/07 | 7.95 | 251.13 | ND |
| | | 03/10/08 | 3.89 | 255.19 | ND |
| | | 06/09/08 | NM | NM | NM |
| | | 09/08/08 | 6.33 | 252.75 | ND |
| | | 12/08/08 | 8.00 | 251.08 | ND |
| | | 03/09/09 | 4.42 | 254.66 | ND |
| **MW-4S** | 259.14 | 01/17/05 | 4.62 | 254.52 | ND |
| | | 05/04/05 | 3.73 | 255.41 | ND |
| | | 08/12/05 | 3.45 | 255.69 | ND |
| | | 12/12/05 | 5.48 | 253.66 | ND |
| | | 03/02/06 | 3.10 | 256.04 | ND |
| | | 06/12/06 | 4.10 | 255.04 | ND |
| | | 09/05/06 | 3.90 | 255.24 | ND |
| | | 12/04/06 | 4.05 | 255.09 | ND |
| | | 02/26/07 | 3.40 | 255.74 | ND |
| | | 06/11/07 | 4.75 | 254.39 | ND |
| | | 09/10/07 | 4.77 | 254.37 | ND |
| | | 12/10/07 | 5.35 | 253.79 | ND |
| | | 03/10/08 | 3.20 | 255.94 | ND |
| | | 06/09/08 | 4.11 | 255.03 | ND |
| | | 09/08/08 | 4.60 | 254.54 | ND |
| | | 12/08/08 | 5.25 | 253.89 | ND |
| | | 03/09/09 | 4.10 | 255.04 | ND |
| **MW-4D** | 259.22 | 01/17/05 | 5.96 | 253.26 | ND |
| | | 05/04/05 | 3.93 | 255.29 | ND |
| | | 08/12/05 | 5.60 | 253.62 | ND |
| | | 12/12/05 | 8.50 | 250.72 | ND |
| | | 03/02/06 | 3.63 | 255.59 | ND |
| | | 06/12/06 | 4.51 | 254.71 | ND |
| | | 09/05/06 | 8.18 | 251.04 | ND |
| | | 12/04/06 | 7.95 | 251.27 | ND |
| | | 02/26/07 | 4.49 | 254.73 | ND |
| | | 06/11/07 | 6.25 | 252.97 | ND |
| | | 09/10/07 | 7.54 | 251.68 | ND |
| | | 12/10/07 | 8.16 | 251.06 | ND |
| | | 03/10/08 | 4.05 | 255.17 | ND |
| | | 06/09/08 | 5.09 | 254.13 | ND |
| | | 09/08/08 | 6.30 | 252.92 | ND |
| | | 12/08/08 | 8.16 | 251.06 | ND |
| | | 03/09/09 | 4.60 | 254.62 | ND |

**Table 2**
**Historical Groundwater Gauging Data**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---|---|---|---|---|---|
| **MW-5S** | 259.43 | 01/17/05 | 4.57 | 254.86 | ND |
| | | 05/04/05 | 2.50 | 256.93 | ND |
| | | 08/12/05 | 5.30 | 254.13 | ND |
| | | 12/12/05 | 7.68 | 251.75 | ND |
| | | 03/02/06 | 1.42 | 258.01 | ND |
| | | 06/12/06 | 3.73 | 255.70 | ND |
| | | 09/05/06 | 7.02 | 252.41 | ND |
| | | 12/04/06 | 6.31 | 253.12 | ND |
| | | 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 |
| | | 03/10/08 | 3.34 | 256.09 | ND |
| | | 06/09/08 | 4.44 | 254.99 | ND |
| | | 09/08/08 | 5.44 | 253.99 | ND |
| | | 12/08/08 | 7.03 | 252.40 | ND |
| | | 03/09/09 | 3.50 | 255.93 | ND |
| **MW-5D** | 259.40 | 01/17/05 | 5.15 | 254.25 | ND |
| | | 05/04/05 | 2.75 | 256.65 | ND |
| | | 08/12/05 | 5.60 | 253.80 | ND |
| | | 12/12/05 | 7.92 | 251.48 | ND |
| | | 03/02/06 | 1.98 | 257.42 | ND |
| | | 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 |
| | | 03/10/08 | 3.50 | 255.90 | ND |
| | | 06/09/08 | 4.59 | 254.81 | ND |
| | | 09/08/08 | 5.69 | 253.71 | ND |
| | | 12/08/08 | 7.30 | 252.10 | ND |
| | | 03/09/09 | 3.80 | 255.60 | ND |
| **MW-6S** | 258.75 | 01/17/05 | 4.30 | 254.45 | ND |
| | | 05/04/05 | 1.96 | 256.79 | ND |
| | | 08/12/05 | 5.17 | 253.58 | ND |
| | | 12/12/05 | 7.48 | 251.27 | ND |
| | | 03/02/06 | 1.95 | 256.80 | ND |
| | | 06/12/06 | 3.10 | 255.65 | ND |
| | | 09/05/06 | 6.94 | 251.81 | ND |
| | | 12/04/06 | 6.30 | 252.45 | ND |
| | | 02/26/07 | 3.44 | 255.31 | ND |
| | | 06/11/07 | 4.80 | 253.95 | ND |
| | | 09/11/07 | 6.32 | 252.43 | ND |
| | | 12/10/07 | 6.52 | 252.23 | ND |
| | | 03/10/08 | 2.89 | 255.86 | ND |
| | | 06/09/08 | 4.00 | 254.75 | ND |
| | | 09/08/08 | 5.40 | 253.35 | ND |
| | | 12/08/08 | 6.95 | 251.80 | ND |
| | | 03/09/09 | 3.30 | 255.45 | ND |

**Table 2**
**Historical Groundwater Gauging Data**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---|---|---|---|---|---|
| **MW-6D** | 259.27 | 01/17/05 | 5.17 | 254.10 | ND |
| | | 05/04/05 | 2.80 | 256.47 | ND |
| | | 08/12/05 | 6.30 | 252.97 | ND |
| | | 12/12/05 | 8.32 | 250.95 | ND |
| | | 03/02/06 | 2.70 | 256.57 | ND |
| | | 06/12/06 | 4.05 | 255.22 | ND |
| | | 09/05/06 | 7.90 | 251.37 | ND |
| | | 12/04/06 | 7.37 | 251.90 | ND |
| | | 02/26/07 | 4.35 | 254.92 | ND |
| | | 06/11/07 | 5.93 | 253.34 | ND |
| | | 09/11/07 | 7.46 | 251.81 | Odor |
| | | 12/10/07 | 7.80 | 251.47 | ND |
| | | 03/10/08 | 3.75 | 255.52 | ND |
| | | 06/09/08 | 4.95 | 254.32 | ND |
| | | 09/08/08 | 6.44 | 252.83 | ND |
| | | 12/08/08 | 8.00 | 251.27 | ND |
| | | 03/09/09 | 4.30 | 254.97 | ND |
| **MW-7S** | 258.82 | 01/17/05 | 3.42 | 255.40 | ND |
| | | 05/04/05 | 1.44 | 257.38 | ND |
| | | 08/12/05 | 4.80 | 254.02 | ND |
| | | 12/12/05 | 6.64 | 252.18 | ND |
| | | 03/02/06 | 0.95 | 257.87 | ND |
| | 258.84 | 06/12/06 | 2.55 | 256.29 | ND |
| | | 09/05/06 | 6.30 | 252.54 | ND |
| | | 12/04/06 | 5.60 | 253.24 | ND |
| | | 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 |
| | | 03/10/08 | 2.15 | 256.69 | ND |
| | | 06/09/08 | 3.51 | 255.33 | ND |
| | | 09/08/08 | 4.80 | 254.04 | ND |
| | | 12/08/08 | 6.20 | 252.64 | ND |
| | | 03/09/09 | 2.75 | 256.09 | ND |
| **MW-7D** | 258.07 | 01/17/05 | 5.50 | 252.57 | ND |
| | | 05/04/05 | 1.45 | 256.62 | ND |
| | | 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 |
| | 258.80 | 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 |
| | | 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 |
| | | 03/10/08 | 2.21 | 256.59 | ND |
| | | 06/09/08 | 3.70 | 255.10 | ND |
| | | 09/08/08 | 5.18 | 253.62 | ND |
| | | 12/08/08 | 6.70 | 252.10 | Odor |
| | | 03/09/09 | 2.95 | 255.85 | Odor |

**Table 2**
**Historical Groundwater Gauging Data**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---|---|---|---|---|---|
| **MW-8** | 258.84 | 01/17/05 | 3.45 | 255.39 | ND |
| | | 05/04/05 | 1.25 | 257.59 | ND |
| | | 08/12/05 | 4.92 | 253.92 | ND |
| | | 12/12/05 | 6.67 | 252.17 | ND |
| | | 03/02/06 | 0.78 | 258.06 | ND |
| | | 06/09/06 | 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 |
| | | 3/10/2008 | 1.89 | 256.95 | ND |
| | | 6/9/2008 | 3.35 | 255.49 | ND |
| | | 9/8/2008 | 4.75 | 254.09 | ND |
| | | 12/8/2008 | 6.28 | 252.56 | ND |
| | | 3/9/2009 | 2.50 | 256.34 | ND |
| **MW-9S** | 258.41 | 06/12/06 | 2.14 | 256.27 | ND |
| | | 09/05/06 | 5.92 | 252.49 | ND |
| | | 12/04/06 | 5.21 | 253.20 | ND |
| | | 02/26/07 | 3.28 | 255.13 | ND |
| | | 06/11/07 | 3.70 | 254.71 | ND |
| | | 09/11/07 | 5.26 | 253.15 | ND |
| | | 12/10/07 | 5.06 | 253.35 | ND |
| | | 03/10/08 | 1.55 | 256.86 | ND |
| | | 06/09/08 | 3.00 | 255.41 | ND |
| | | 09/08/08 | 4.29 | 254.12 | ND |
| | | 12/08/08 | 5.65 | 252.76 | Odor |
| | | 03/09/09 | 2.25 | 256.16 | Odor |
| **MW-9D** | 258.86 | 06/12/06 | 3.16 | 255.70 | ND |
| | | 09/05/06 | 7.12 | 251.74 | ND |
| | | 12/04/06 | 6.58 | 252.28 | ND |
| | | 02/26/07 | 3.52 | 255.34 | Sheen |
| | | 06/11/07 | 5.19 | 253.67 | Sheen |
| | | 09/11/07 | 6.67 | 252.19 | Odor |
| | | 12/10/07 | 6.71 | 252.15 | ND |
| | | 03/10/08 | 2.75 | 256.11 | ND |
| | | 06/09/08 | 4.17 | 254.69 | ND |
| | | 09/08/08 | 5.60 | 253.26 | ND |
| | | 12/08/08 | 7.10 | 251.76 | Odor |
| | | 03/09/09 | 3.46 | 255.40 | Odor |
| **MW-9LF** | 258.94 | 06/12/06 | 3.46 | 255.48 | ND |
| | | 09/05/06 | 7.37 | 251.57 | ND |
| | | 12/04/06 | 6.85 | 252.09 | ND |
| | | 02/26/07 | 3.79 | 255.15 | ND |
| | | 06/11/07 | 8.94 | 250.00 | ND |
| | | 09/11/07 | 7.00 | 251.94 | ND |
| | | 12/10/07 | 7.04 | 251.90 | ND |
| | | 03/10/08 | 3.00 | 255.94 | ND |
| | | 06/09/08 | 4.38 | 254.56 | ND |
| | | 09/08/08 | 5.83 | 253.11 | ND |
| | | 12/08/08 | 7.36 | 251.58 | ND |
| | | 03/09/09 | 3.60 | 255.34 | ND |

**Table 2**
**Historical Groundwater Gauging Data**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---|---|---|---|---|---|
| **MW-10S** | 260.67 | 06/12/06 | 5.00 | 255.67 | ND |
| | | 09/05/06 | 5.62 | 255.05 | ND |
| | | 12/04/06 | 5.04 | 255.63 | ND |
| | | 02/26/07 | 3.88 | 256.79 | ND |
| | | 06/11/07 | 4.84 | 255.83 | ND |
| | | 09/11/07 | 4.94 | 255.73 | ND |
| | | 12/10/07 | 4.90 | 255.77 | ND |
| | | 03/10/08 | 4.10 | 256.57 | ND |
| | | 06/09/08 | 4.80 | 255.87 | ND |
| | | 09/08/08 | 4.89 | 255.78 | ND |
| | | 12/08/08 | 5.21 | 255.46 | ND |
| | | 03/09/09 | 4.97 | 255.70 | ND |
| **MW-10D** | 260.64 | 06/12/06 | 5.42 | 255.22 | ND |
| | | 09/05/06 | 8.92 | 251.72 | ND |
| | | 12/04/06 | 8.18 | 252.46 | ND |
| | | 02/26/07 | 5.40 | 255.24 | ND |
| | | 06/11/07 | 7.13 | 253.51 | ND |
| | | 09/11/07 | 8.50 | 252.14 | ND |
| | | 12/10/07 | 8.81 | 251.83 | ND |
| | | 03/10/08 | 4.99 | 255.65 | ND |
| | | 06/09/08 | 6.17 | 254.47 | ND |
| | | 09/08/08 | 7.45 | 253.19 | ND |
| | | 12/08/08 | 8.88 | 251.76 | Odor |
| | | 03/09/09 | 5.45 | 255.19 | Odor |
| **MW-10LF** | 260.58 | 06/12/06 | 5.99 | 254.59 | ND |
| | | 09/05/06 | 9.65 | 250.93 | ND |
| | | 12/04/06 | 9.02 | 251.56 | ND |
| | | 02/26/07 | 6.23 | 254.35 | ND |
| | | 06/11/07 | 7.86 | 252.72 | ND |
| | | 09/11/07 | 9.24 | 251.34 | ND |
| | | 12/10/07 | 9.73 | 250.85 | ND |
| | | 03/10/08 | 5.65 | 254.93 | ND |
| | | 06/09/08 | 6.71 | 253.87 | ND |
| | | 09/08/08 | 8.08 | 252.50 | ND |
| | | 12/08/08 | 9.75 | 250.83 | Odor |
| | | 03/09/09 | 6.20 | 254.38 | Odor |
| **MW-11S** | 258.96 | 06/12/06 | 3.69 | 255.27 | ND |
| | | 09/05/06 | 7.69 | 251.27 | ND |
| | | 12/04/06 | 7.28 | 251.68 | ND |
| | | 02/26/07 | 4.20 | 254.76 | ND |
| | | 06/11/07 | 5.72 | 253.24 | ND |
| | | 09/11/07 | 7.10 | 251.86 | ND |
| | | 12/10/07 | 7.27 | 251.69 | ND |
| | | 03/10/08 | 3.31 | 255.65 | ND |
| | | 06/09/08 | 4.50 | 254.46 | ND |
| | | 09/08/08 | 5.80 | 253.16 | ND |
| | | 12/08/08 | 7.50 | 251.46 | ND |
| | | 03/09/09 | 3.76 | 255.20 | ND |

**Table 2**
**Historical Groundwater Gauging Data**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---|---|---|---|---|---|
| **MW-11D** | 258.98 | 06/12/06 | 3.70 | 255.28 | ND |
| | | 09/05/06 | 8.50 | 250.48 | ND |
| | | 12/04/06 | 7.65 | 251.33 | ND |
| | | 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 |
| | | 03/10/08 | 3.56 | 255.42 | ND |
| | | 06/09/08 | 4.84 | 254.14 | ND |
| | | 09/08/08 | 6.35 | 252.63 | ND |
| | | 12/08/08 | 8.35 | 250.63 | ND |
| | | 03/09/09 | 4.26 | 254.72 | 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 |
| | | 06/11/07 | 6.15 | 252.86 | ND |
| | | 09/10/07 | 7.70 | 251.31 | ND |
| | | 12/10/07 | 7.92 | 251.09 | ND |
| | | 03/10/08 | 3.65 | 255.36 | ND |
| | | 06/09/08 | 4.89 | 254.12 | ND |
| | | 09/08/08 | 6.49 | 252.52 | ND |
| | | 12/08/08 | 8.30 | 250.71 | ND |
| | | 03/09/09 | 4.25 | 254.76 | ND |
| **MW-12S** | 262.69 | 06/12/06 | 5.77 | 256.92 | ND |
| | | 09/05/06 | 10.51 | 252.18 | ND |
| | | 12/04/06 | 10.00 | 252.69 | ND |
| | | 02/26/07 | 6.45 | 256.24 | ND |
| | | 06/11/07 | 7.95 | 254.74 | ND |
| | | 09/10/07 | 9.54 | 253.15 | ND |
| | | 12/10/07 | 8.95 | 253.74 | ND |
| | | 03/10/08 | 4.90 | 257.79 | ND |
| | | 06/09/08 | 6.62 | 256.07 | ND |
| | | 09/08/08 | 8.27 | 254.42 | ND |
| | | 12/08/08 | 10.09 | 252.60 | ND |
| | | 03/09/09 | 5.84 | 256.85 | ND |
| **MW-12D** | 262.70 | 06/12/06 | 5.69 | 257.01 | ND |
| | | 09/05/06 | 10.40 | 252.30 | ND |
| | | 12/04/06 | 9.94 | 252.76 | ND |
| | | 02/26/07 | 6.47 | 256.23 | ND |
| | | 06/11/07 | 7.96 | 254.74 | ND |
| | | 09/11/07 | 9.45 | 253.25 | ND |
| | | 12/10/07 | 8.74 | 253.96 | ND |
| | | 03/10/08 | 4.65 | 258.05 | ND |
| | | 06/09/08 | 6.42 | 256.28 | ND |
| | | 09/08/08 | 8.15 | 254.55 | ND |
| | | 12/08/08 | 10.00 | 252.70 | ND |
| | | 03/09/09 | 5.62 | 257.08 | ND |

**Table 2**
**Historical Groundwater Gauging Data**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Top of Casing Elevation (Feet) | Date | Depth to Water (feet below TOC) | Groundwater Elevation (feet MSL) | LPH Thickness (feet) |
|---|---|---|---|---|---|
| **MW-12LF** | 262.90 | 06/12/06 | 5.92 | 256.98 | ND |
| | | 09/05/06 | 10.69 | 252.21 | ND |
| | | 12/04/06 | 10.25 | 252.65 | ND |
| | | 02/26/07 | 6.65 | 256.25 | ND |
| | | 06/11/07 | 8.10 | 254.80 | ND |
| | | 09/11/07 | 9.71 | 253.19 | ND |
| | | 12/10/07 | 9.02 | 253.88 | ND |
| | | 03/10/08 | 4.85 | 258.05 | ND |
| | | 06/09/08 | 6.65 | 256.25 | ND |
| | | 09/08/08 | 8.32 | 254.58 | ND |
| | | 12/08/08 | 10.25 | 252.65 | ND |
| | | 03/09/09 | 5.82 | 257.08 | 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
NM = Not Measured

**Table 3**
**Groundwater Analytical Results**
**First Quarter 2009**
Hanson Aggregates - Mission Valley Rock Facility
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** | 03/09/09 | ND<50 | **100** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-2S** | 03/09/09 | **9800** | **59** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | **31** |
| **MW-2M** | 03/09/09 | **1900** | **240** | ND<0.50 | ND<0.50 | **1.6** | ND<1.0 | ND<2.0 | ND<10 | **15** |
| **MW-2D** | 03/09/09 | **1500** | **98** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | **21** |
| **MW-3** | 03/10/09 | ND<50 | **78** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | **45** |
| **MW-4S** | 03/10/09 | ND<50 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-4D** | 03/10/09 | ND<50 | **75** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-5S** | 03/10/09 | **220** | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | **2.4** |
| **MW-5D** | 03/10/09 | ND<50 | **55** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | **2.3** |
| **MW-6S** | 03/09/09 | **270** | **290** | ND<0.50 | ND<0.50 | **0.96** | ND<1.0 | ND<2.0 | ND<10 | **100** |
| **MW-6D** | 03/09/09 | ND<50 | **120** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | **43** |
| **MW-7S** | 03/10/09 | ND<50 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-7D** | 03/10/09 | **1200** | **7600** | **47** | **45** | **530** | **310** | ND<2.0 | ND<10 | ND<1.0 |
| **MW-8** | 03/10/09 | ND<50 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-9S** | 03/10/09 | ND<50 | **140** | ND<0.50 | ND<0.50 | ND<0.50 | **3.0** | ND<2.0 | ND<10 | ND<1.0 |
| **MW-9D** | 03/10/09 | **2800** | **19000** | **550** | **660** | **1400** | **1950** | ND<2.0 | ND<10 | ND<1.0 |
| **MW-9LF** | 03/10/09 | ND<50 | **72** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-10S** | 03/11/09 | ND<50 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-10D** | 03/11/09 | ND<50 | **640** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-10LF** | 03/09/09 | ND<50 | **160** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-11S** | 03/10/09 | ND<50 | **51** | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | **1.8** |

**Table 3**
**Groundwater Analytical Results**
**First Quarter 2009**
Hanson Aggregates - Mission Valley Rock Facility
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** | 03/10/09 | **100000** | **23000** | **1.8** | ND<0.50 | **5.7** | **9.0** | ND<2.0 | ND<10 | **15** |
| **MW-11LF** | 03/10/09 | ND<50 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | **200** |
| **MW-12S** | 03/11/09 | ND<50 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-12D** | 03/11/09 | ND<50 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<2.0 | ND<10 | ND<1.0 |
| **MW-12LF** | 03/11/09 | ND<50 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | 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. 8015B.

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**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 06/23/98 | **0.1** | **3100** | **19** | **2.3** | **91** | **48** | ND< 2.0 | ND< 10 | **110** |
| | 10/01/98 | **0.1** | **2300** | **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** | **1800** | **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< 1000 | **370** | **5.3** | ND< 1.0 | **2.7** | ND< 3.0 | ND< 2.0 | ND< 10 | **55** |
| | 03/22/01 | ND< 1000 | **700** | ND< 1.0 | ND< 1.0 | **1.4** | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/27/01 | ND< 1000 | **170** | ND< 1.0 | ND< 1.0 | **1.2** | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/21/01 | ND< 1000 | **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< 1000 | **1400** | **3.5** | ND< 1.0 | **42** | **7.9** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/27/02 | **1400** | **760** | ND< 1.0 | ND< 1.0 | **4.3** | **1.1** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/03/02 | ND< 1000 | **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< 1000 | **620** | **1.2** | ND< 1.0 | **12** | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/27/03 | ND< 1000 | **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< 1000 | **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< 1000 | **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< 50 | **890** | **6.60** | **0.54** | **0.5** | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/11/08 | ND< 50 | **660** | ND< 0.50 | ND< 0.50 | **4** | **4.9** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/10/08 | ND< 50 | **220** | ND< 0.50 | ND< 0.50 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/10/08 | **210** | **130** | ND< 0.50 | ND< 0.50 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/09/08 | ND< 50 | **160** | ND< 0.50 | ND< 0.50 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/09/09 | ND< 50 | **100** | ND< 0.50 | ND< 0.50 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |

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

**Table 4**
**Historical Groundwater Analytical Results**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 06/23/98 | **12000** | **2500** | **0.68** | ND< 0.5 | **1.2** | **0.57** | ND< 2.0 | ND< 10 | **14** |
| | 10/01/98 | **4300** | 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 | **38000** | ND< 5000 | ND< 1.0 | 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 | **4500** | **24000** | **38** | **27** | **41** | **98** | ND< 2.0 | ND< 10 | ND< 0.5 |
| | 09/17/99 | **24000** | **1400** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **27** |
| | 12/27/99 | **2300** | 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 | **1700** | **270** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **17** |
| | 09/14/00 | **5800** | **130** | ND< 0.5 | ND< 0.5 | ND< 0.5 | **0.94** | ND< 2.0 | ND< 10 | **12** |
| | 12/20/00 | **19000** | **1700** | ND< 50 | ND< 50 | ND< 50 | ND< 150 | ND< 2.0 | ND< 10 | ND< 250 |
| | 03/22/01 | **610000** | **3300** | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **9** |
| | 06/27/01 | **8800** | **1800** | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **6.7** |
| | 09/21/01 | **530000** | **7000** | ND< 50 | ND< 50 | ND< 50 | ND< 50 | ND< 2.0 | ND< 10 | ND< 50 |
| | 12/27/01 | **27000** | **310** | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **62** |
| | 03/29/02 | **65000** | **130** | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **30** |
| | 06/13/02 | **130000** | **460** | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **24** |
| | 09/27/02 | **480000** | **290** | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **16** |
| | 12/03/02 | **61000** | **1800** | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **10** |
| | 03/31/03 | **5000** | ND< 100 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **14** |
| | 06/27/03 | **8.1** | **360** | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **20** |
| | 09/19/03 | **85** | **12** | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **15** |
| | 12/22/03 | NS | | | | | | | | |
| | 01/17/05 | Abandoned | | | | | | | | |
| MW-2S | 01/17/05 | **1100** | **730** | ND< 0.5 | ND< 0.5 | **1.0** | **3.5** | ND< 2.0 | ND< 10 | **50** |
| | 05/04/05 | **8200** | **190** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **44** |
| | 08/12/05 | **6100** | **120** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **77** |
| | 12/12/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **26** |
| | 03/03/06 | **5900** | **160** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **21** |
| | 06/13/06 | **8700** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **22** |
| | 09/06/06 | **11000** | **190** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **29** |
| | 12/05/06 | **18000** | ND< 50 | ND< 0.5 | ND< 50 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **38** |
| | 02/28/07 | **6600** | **140** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **33** |
| | 06/12/07 | **3700** | **90** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | **12** | **19** |
| | 09/11/07 | **17000** | ND< 50 | ND< 2.5 | ND< 2.5 | ND< 2.5 | ND< 0.5 | ND< 10 | ND< 50 | **46** |
| | 12/11/07 | **16000** | ND< 50 | ND< 2.5 | ND< 2.5 | ND< 2.5 | ND< 0.5 | ND< 10 | ND< 50 | **16** |
| | 03/11/08 | **8900** | **50** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **17** |
| | 06/10/08 | **1100** | **72** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **25** |
| | 09/09/08 | **10000** | **62** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **41** |
| | 12/09/08 | **13000** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **37** |
| | 03/09/09 | **9800** | **59** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **31** |

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

**Table 4**
**Historical Groundwater Analytical Results**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-2M | 01/17/05 | **4100** | **3300** | **6.5** | **1.7** | **89** | **82.2** | ND< 2.0 | ND< 10 | **38** |
| | 05/04/05 | ND< 50 | **610** | ND< 0.5 | ND< 0.5 | **16** | **10.6** | ND< 2.0 | ND< 10 | **32** |
| | 08/12/05 | ND< 50 | **460** | ND< 0.5 | ND< 0.5 | **2.5** | **1.2** | ND< 2.0 | ND< 10 | **56** |
| | 12/12/05 | ND< 50 | **410** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **28** |
| | 03/03/06 | ND< 50 | **290** | ND< 0.5 | ND< 0.5 | **0.5** | ND< 1.0 | ND< 2.0 | ND< 10 | **17** |
| | 06/13/06 | ND< 50 | **130** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/06/06 | **1900** | **330** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **22** |
| | 12/05/06 | **6100** | **340** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **37** |
| | 02/27/07 | ND< 500 | **310** | ND< 0.5 | ND< 0.5 | **0.65** | ND< 1.0 | ND< 2.0 | ND< 10 | **25** |
| | 06/12/07 | **350** | **290** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **14** |
| | 09/11/07 | **4900** | **220** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **14** |
| | 12/11/07 | ND< 50 | **370** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **9.4** |
| | 03/11/08 | **4000** | **230** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **7.4** |
| | 06/10/08 | **2800** | **330** | ND< 0.5 | ND< 0.5 | ND< 0.5 | **1.0** | ND< 2.0 | ND< 10 | **10** |
| | 09/09/08 | **3900** | **240** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | **12** | **13** |
| | 12/09/08 | **3500** | **130** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/09/09 | **1900** | **240** | ND< 0.5 | ND< 0.5 | **1.6** | ND< 1.0 | ND< 2.0 | ND< 10 | **15** |
| MW-2D | 01/17/05 | **1800** | **1000** | **6.5** | ND< 0.5 | **80** | **71** | ND< 2.0 | ND< 10 | **62** |
| | 05/04/05 | ND< 50 | **250** | ND< 0.5 | ND< 0.5 | **4.6** | **1.6** | ND< 2.0 | ND< 10 | **72** |
| | 08/12/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | **2.8** | **1.1** | ND< 2.0 | ND< 10 | **51** |
| | 12/12/05 | ND< 50 | **200** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **39** |
| | 03/03/06 | ND< 50 | **140** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **38** |
| | 06/13/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **36** |
| | 09/06/06 | **1700** | **230** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **27** |
| | 12/05/06 | **3000** | **150** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **37** |
| | 02/27/07 | **1100** | **140** | ND< 0.5 | ND< 0.5 | **0.63** | **1.1** | ND< 2.0 | ND< 10 | **25** |
| | 06/12/07 | ND< 500 | **140** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **19** |
| | 09/11/07 | **4600** | **120** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **15** |
| | 12/11/07 | ND< 50 | **250** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **22** |
| | 03/11/08 | **3400** | **98** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **7.5** |
| | 06/10/08 | **2900** | **170** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **15** |
| | 09/09/08 | **3600** | **65** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **19** |
| | 12/09/08 | **3500** | **72** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **21** |
| | 03/09/09 | **1500** | **98** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **21** |

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

**Table 4**
**Historical Groundwater Analytical Results**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 06/23/98 | **12000** | **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 | **5600** | 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 | **1500** | ND< **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 | | | | | | | | |
| | 09/21/01 | **3800** | ND< 100 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **45** |
| | 12/27/01 | **3100** | **340** | **1.4** | **1.1** | **10** | **3.8** | ND< 2.0 | ND< 10 | **45** |
| | 03/29/02 | **1500** | ND< 100 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **50** |
| | 06/13/02 | ND< 1000 | **160** | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **36** |
| | 09/27/02 | ND< 1000 | ND< 1000 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **43** |
| | 12/03/02 | ND< 1000 | ND< 100 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 1.0 | ND< 2.0 | ND< 10 | **41** |
| | 03/31/03 | ND< 1000 | ND< 100 | ND< 2.5 | ND< 2.5 | ND< 2.5 | ND< 2.5 | ND< 2.0 | ND< 10 | **92** |
| | 06/27/03 | **1200** | ND< 100 | ND< 2.0 | ND< 2.0 | ND< 2.0 | ND< 2.0 | ND< 2.0 | ND< 10 | **93** |
| | 09/19/03 | ND< 1000 | ND< 100 | ND< 2.0 | ND< 2.0 | ND< 2.0 | ND< 2.0 | ND< 2.0 | ND< 10 | **65** |
| | 12/22/03 | **5700** | **190** | ND< 2.0 | ND< 2.0 | ND< 2.0 | ND< 2.0 | ND< 2.0 | ND< 10 | **56** |
| | 01/17/05 | ND< 50 | **590** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **47** |
| | 05/04/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **190** |
| | 08/11/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **110** |
| | 12/13/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **75** |
| | 03/03/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **140** |
| | 06/12/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **100** |
| | 09/06/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **67** |
| | 12/05/06 | ND< 50 | **82** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **39** |
| | 02/27/07 | **56** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **43** |
| | 06/12/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **45** |
| | 09/11/07 | ND< 500 | **60** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **27** |
| | 12/11/07 | ND< 50 | **180** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **24** |
| | 03/11/08 | ND< 50 | **98** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | **120** | **36** |
| | 06/09/08 | NS | | | | | | | | |
| | 09/09/08 | ND< 50 | **70** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **24** |
| | 12/08/08 | ND< 50 | **59** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | ND< 50 | **78** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **45** |

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MTBE: methyl tert-butyl ether
ug/L: micrograms per liter
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**Table 4**
**Historical Groundwater Analytical Results**
Hanson Aggregates - Mission Valley Rock Facility
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| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-4S | 01/17/05 | ND< 50 | **65** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 05/04/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 08/12/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | **2.2** | **5.8** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/12/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/03/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/12/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/05/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/04/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 02/26/07 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/11/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/10/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/10/07 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/08/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/08/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | 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-4D | 01/17/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 05/04/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 08/12/05 | ND< 50 | **410** | ND< 0.5 | **2.2** | **10** | **25.5** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/12/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/03/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/12/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **7.8** |
| | 09/05/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/04/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 02/26/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/11/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/10/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/10/07 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/08/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/08/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | ND< 50 | **75** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| MW-5S | 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 |
| | 06/12/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/05/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **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< 50 | **140** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **2.6** |
| | 03/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **1.1** |
| | 06/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **4.2** |
| | 09/08/08 | **62** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/08/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | ND< 50 | **220** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **2.4** |

TPHd: diesel
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TAME: tert amyl methyl ether
TBA: tert-butyl alcohol
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ug/L: micrograms per liter
ND: not detected above laboratory reporting limit
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**Table 4**
**Historical Groundwater Analytical Results**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-5D | 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** |
| | 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** |
| | 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< 50 | **140** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **1.2** |
| | 03/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **1.2** |
| | 06/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **3.8** |
| | 09/08/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/08/08 | ND< 50 | **53** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | ND< 50 | **55** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **2.3** |
| MW-6S | 01/17/05 | **2800** | **1600** | **6.1** | ND< 0.5 | **3.6** | **2.3** | ND< 2.0 | ND< 10 | **160** |
| | 05/04/05 | ND< 50 | **750** | ND< 0.5 | ND< 0.5 | **3.0** | ND< 0.5 | ND< 2.0 | ND< 10 | **160** |
| | 08/12/05 | **1300** | **1100** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **410** |
| | 12/12/05 | ND< 50 | **1000** | ND< 0.5 | ND< 0.5 | **1.4** | ND< 1.0 | ND< 2.0 | ND< 10 | **190** |
| | 03/03/06 | ND< 50 | **940** | ND< 0.5 | ND< 0.5 | **4.9** | ND< 1.0 | ND< 2.0 | ND< 10 | **60** |
| | 06/14/06 | **1300** | **650** | ND< 0.5 | **1.7** | **1.9** | **2.0** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/06/06 | **2400** | **750** | ND< 0.5 | ND< 0.5 | **0.7** | **0.5** | ND< 2.0 | ND< 10 | **200** |
| | 12/05/06 | **2600** | **1000** | ND< 0.5 | ND< 0.5 | **1.2** | ND< 1.0 | ND< 2.0 | ND< 10 | **110** |
| | 02/27/07 | **3000** | **1100** | **0.79** | ND< 0.5 | **1.1** | ND< 1.0 | ND< 2.0 | ND< 10 | **54** |
| | 06/12/07 | **490** | **1200** | ND< 0.5 | ND< 0.5 | **1.6** | ND< 1.0 | ND< 2.0 | ND< 10 | **47** |
| | 09/11/07 | **930** | **370** | ND< 0.5 | ND< 0.5 | **1.3** | ND< 1.0 | ND< 2.0 | ND< 10 | **48** |
| | 12/11/07 | **5200** | **680** | **1.3** | ND< 0.5 | **12.0** | **1.1** | ND< 2.0 | ND< 10 | **28** |
| | 03/11/08 | **770** | **1400** | **13** | **1.6** | **210** | **21** | ND< 2.0 | ND< 10 | **5.3** |
| | 06/10/08 | **5600** | **690** | ND< 0.5 | ND< 0.5 | **22** | **1.8** | ND< 2.0 | ND< 10 | **23** |
| | 09/09/08 | **3200** | **460** | ND< 0.5 | ND< 0.5 | **2.5** | ND< 1.0 | ND< 2.0 | ND< 10 | **48** |
| | 12/09/08 | **1300** | **220** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/09/09 | **270** | **290** | ND< 0.5 | ND< 0.5 | **0.96** | ND< 1.0 | ND< 2.0 | ND< 10 | **100** |
| MW-6D | 01/17/05 | **2100** | **1200** | **10** | ND< 0.5 | **1.6** | **2.2** | ND< 2.0 | ND< 10 | **180** |
| | 05/04/05 | ND< 50 | **360** | **2** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **360** |
| | 08/12/05 | ND< 50 | **480** | **2** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | **270** |
| | 12/12/05 | ND< 50 | **240** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **92** |
| | 03/03/06 | ND< 50 | **310** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **93** |
| | 06/14/06 | ND< 50 | **130** | ND< 0.5 | **3.0** | **1.1** | **2.6** | ND< 2.0 | ND< 10 | **69** |
| | 09/06/06 | ND< 50 | **230** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **74** |
| | 12/06/06 | **1300** | **500** | **0.98** | **8.1** | **16** | **38.8** | ND< 2.0 | ND< 10 | **59** |
| | 02/27/07 | **470** | **150** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **48** |
| | 06/13/07 | ND< 500 | **180** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **39** |
| | 09/12/07 | ND< 500 | **130** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **28** |
| | 12/12/07 | ND< 50 | **250** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **19** |
| | 03/12/08 | ND< 50 | **110** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **24** |
| | 06/10/08 | ND< 50 | **140** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **31** |
| | 09/09/08 | **120** | **82** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **30** |
| | 12/09/08 | **970** | **91** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **51** |
| | 03/09/09 | ND< 50 | **120** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **43** |

TPHd: diesel
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ug/L: micrograms per liter
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**Table 4**
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| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-7S | 01/17/05 | ND< 50 | **12000** | **10** | **89** | **590** | **1670** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 05/04/05 | **520** | **1600** | ND< 0.5 | ND< 0.5 | **31** | **18.4** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 08/12/05 | ND< 50 | **660** | ND< 0.5 | ND< 0.5 | **5.5** | ND< 0.5 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/12/05 | ND< 50 | **610** | 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 | **630** | **1.1** | **9** | **31** | **78** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/14/06 | ND< 50 | **430** | ND< 0.5 | ND< 0.5 | **6.1** | **14.5** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/07/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/04/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 02/26/07 | ND< 500 | **55** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/11/07 | ND< 500 | **64** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/10/07 | ND< 500 | **76** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/10/07 | ND< 50 | **170** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/08 | ND< 50 | **1500** | **13** | **16** | **25** | **24.5** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/09/08 | ND< 50 | **1300** | **3.6** | **2.4** | **5.8** | **2.2** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/08/08 | **79** | **620** | **0.83** | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/08/08 | ND< 50 | **190** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | 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-7D | 01/17/05 | ND< 50 | **23000** | **350** | **1000** | **1800** | **5200** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 05/04/05 | NS | | | | | | | | |
| | 08/12/05 | **37** | **83000** | **550** | **2200** | **4400** | **10600** | ND< 2.0 | ND< 10 | ND< 50 |
| | 12/12/05 | **150000** | **1300000** | **640** | **3100** | **21000** | **54800** | ND< 2.0 | ND< 10 | ND< 50 |
| | 03/03/06 | **45000** | **71000** | **420** | **2400** | **4400** | **11300** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/14/06 | ND< 50 | **160000** | **310** | **2400** | **4500** | **9800** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/07/06 | **22000** | **71000** | **360** | **8600** | **33000** | **87000** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/06/06 | **12000** | **58000** | **160** | **1300** | **3900** | **5800** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 02/28/07 | **790** | **6800** | **29** | **51** | **460** | **491** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/13/07 | **23000** | **100000** | **270** | **950** | **4000** | **950** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/12/07 | **3500** | **15000** | **72** | **340** | **1300** | **1940** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/12/07 | **2500** | **19000** | **64** | **160** | **1100** | **2000** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/12/08 | **3100** | **32000** | **64** | **250** | **1800** | **2800** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/11/08 | **4000** | **17000** | **67** | **100** | **610** | **610** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/09/08 | **3400** | **9100** | **61** | **65** | **510** | **579** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/09/08 | **2300** | **6200** | **50** | **46** | **420** | **362** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | **1200** | **7600** | **47** | **45** | **530** | **310** | ND< 2.0 | ND< 10 | ND< 1.0 |
| MW-8 | 01/17/05 | ND< 50 | **120** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 05/04/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 08/12/05 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/12/05 | **830** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/03/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/12/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/07/06 | ND< 50 | ND< 50 | ND< 0.5 | **3.3** | ND< 0.5 | **5.5** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/04/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 02/26/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/11/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/10/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/10/07 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/08 | ND< 50 | **54** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/08/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/08/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |

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|---|---|---|---|---|---|---|---|---|---|---|
| MW-9S | 05/05/06 | ND< 50 | **1300** | **8.6** | **24** | **40** | **29.8** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/14/06 | ND< 50 | **330** | ND< 0.5 | ND< 0.5 | **3.0** | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/07/06 | ND< 50 | **240** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/05/06 | ND< 50 | **190** | ND< 0.5 | ND< 0.5 | **0.76** | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 02/27/07 | ND< 500 | **130** | **0.79** | **0.58** | **8.4** | **1.0** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/12/07 | ND< 500 | **210** | **0.76** | ND< 0.5 | **5.5** | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/11/07 | ND< 500 | **52** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/11/07 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/11/08 | **3000** | **10000** | **4.6** | **20** | **12** | **1800** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/10/08 | **2700** | **1400** | **0.62** | ND< 0.5 | **1.1** | **42** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/10/08 | **320** | **270** | ND< 0.5 | ND< 0.5 | **0.59** | **14.8** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/10/08 | **160** | **17000** | ND< 0.5 | ND< 0.5 | **0.81** | **6.9** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | ND< 50 | **140** | ND< 0.5 | ND< 0.5 | ND< 0.5 | **3.0** | ND< 2.0 | ND< 10 | ND< 1.0 |
| MW-9D | 05/05/06 | **13** | **88000** | **5500** | **15000** | **4200** | **15000** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/14/06 | ND< 50 | **76000** | **3200** | **13000** | **2700** | **9200** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/07/06 | **5400** | **58000** | **1800** | **7400** | **2400** | **8000** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/06/06 | **9100** | **170000** | **1800** | **6700** | **3400** | **7400** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 02/28/07 | **4500** | **210000** | **1900** | **6200** | **2400** | **9000** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/13/07 | **11000** | **42000** | **1600** | **5100** | **2600** | **2131** | **13** | **39** | ND< 1.0 |
| | 09/12/07 | **4400** | **36000** | **990** | **5700** | **2800** | **4600** | ND< 2.0 | **30** | ND< 1.0 |
| | 12/12/07 | **3400** | **57000** | **880** | **5800** | **2800** | **9100** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/12/08 | **6600** | **44000** | **510** | **3700** | **1500** | **8500** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/11/08 | **6600** | **39000** | **220** | **530** | **750** | **2070** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/10/08 | **4900** | **19000** | **540** | **710** | **1500** | **4130** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/10/08 | **4000** | **15000** | **180** | **210** | **780** | **1420** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | **2800** | **19000** | **550** | **660** | **1400** | **1950** | ND< 2.0 | ND< 10 | ND< 1.0 |
| MW-9LF | 05/05/06 | ND< 50 | **5400** | **12** | **17** | **190** | **150** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/14/06 | ND< 50 | **1800** | **13** | **17** | **30** | **36** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/07/06 | ND< 50 | **1100** | **58** | **23** | **31** | **58** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/05/06 | **290** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **31** |
| | 02/27/07 | ND< 500 | **530** | **39** | **5** | **31** | **25.4** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/12/07 | ND< 500 | **280** | **14** | **0.92** | **3.8** | **4.5** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/11/07 | ND< 500 | **320** | **2.5** | **0.59** | ND< 0.5 | **1.94** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/11/07 | ND< 50 | **310** | ND< 0.5 | **0.89** | ND< 0.5 | **2.22** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/11/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/11/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/10/08 | **37** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | ND< 50 | **72** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |

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

**Table 4**
**Historical Groundwater Analytical Results**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-10S | 05/05/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/13/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/07/06 | ND< 50 | **93** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/05/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 02/26/07 | ND< 500 | **54** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/12/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 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< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/11/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/11/09 | 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-10D | 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 |
| | 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< 50 | **1300** | ND< 0.5 | ND< 0.5 | **0.61** | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/11/08 | ND< 50 | **590** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/10/08 | ND< 50 | **590** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/09/08 | ND< 50 | **540** | ND< 0.5 | ND< 0.5 | **0.73** | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/09/08 | ND< 50 | **490** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/11/09 | ND< 50 | **640** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| MW-10LF | 05/05/06 | ND< 50 | **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 |
| | 09/07/06 | ND< 50 | **780** | **1.7** | **1.6** | **1.7** | **7.8** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/05/06 | **190** | **610** | **0.5** | **0.56** | ND< 0.5 | **1.5** | ND< 2.0 | ND< 10 | **3.7** |
| | 02/27/07 | ND< 500 | **580** | **1.0** | **1.1** | **0.51** | **3.6** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/12/07 | **260** | **440** | **0.5** | **0.7** | 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< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **1.6** |
| | 03/11/08 | ND< 50 | **210** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **1.2** |
| | 09/08/08 | **51** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/09/08 | **160** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/09/09 | ND< 50 | **160** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |

TPHd: diesel
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TBA: tert-butyl alcohol
MTBE: methyl tert-butyl ether
ug/L: micrograms per liter
ND: not detected above laboratory reporting limit
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**Table 4**
**Historical Groundwater Analytical Results**
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-11S | 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** |
| | 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< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **1.5** |
| | 03/11/08 | ND< 50 | ND< 50 | **1.0** | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **2.9** |
| | 06/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **2.4** |
| | 09/08/08 | **360** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/08/08 | **140** | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | ND< 50 | **51** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **1.8** |
| MW-11D | 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** |
| | 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** |
| | 03/12/08 | **63000** | **37000** | **2.2** | **0.82** | **7.0** | **20.4** | ND< 2.0 | **21** | **8.9** |
| | 06/10/08 | **60000** | **2700** | **2.5** | **0.74** | **6.2** | **15.4** | ND< 2.0 | ND< 10 | **13** |
| | 09/08/08 | **100000** | **6000** | **4.4** | **1.1** | **11** | **21.5** | ND< 2.0 | ND< 10 | **13** |
| | 12/09/08 | **40000** | **1200** | **1.5** | ND< 0.5 | **4.5** | **9.2** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/09 | **100000** | **23000** | **1.8** | ND< 0.5 | **5.7** | **9.0** | ND< 2.0 | ND< 10 | **15** |
| MW-11LF | 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** |
| | 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** |
| | 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< 50 | **120** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **86** |
| | 03/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | **30** | **92** |
| | 06/09/08 | ND< 50 | **120** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **150** |
| | 09/08/08 | ND< 50 | **95** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | **100** | **170** |
| | 12/08/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **260** |
| | 03/10/09 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | **200** |

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**Table 4**
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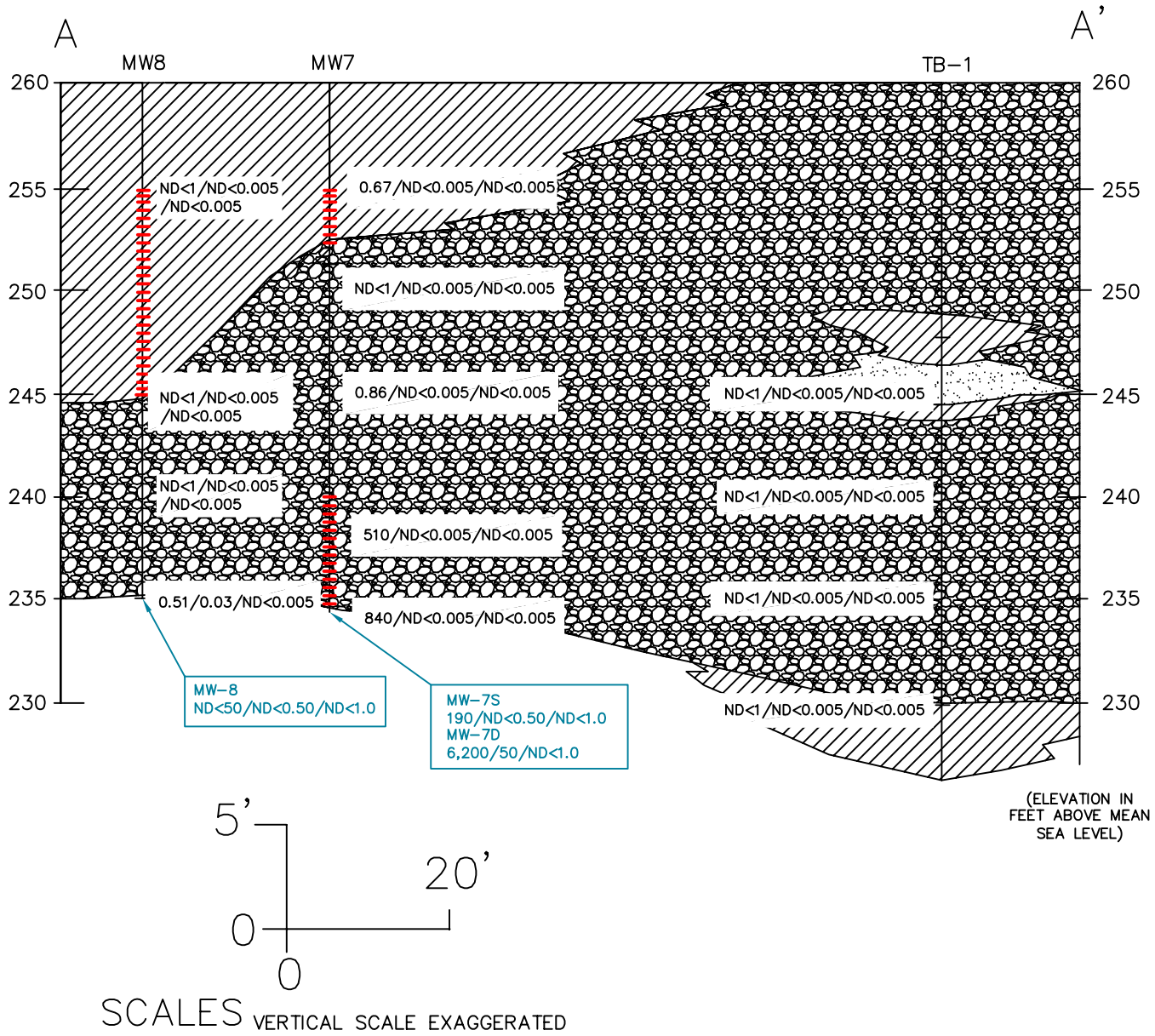
| Well | Date | TPHd (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Xylenes (ug/L) | TAME (ug/L) | TBA (ug/L) | MTBE (ug/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-12S | 05/05/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/13/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/07/06 | ND< 50 | **81** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/05/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | **210** | ND< 1.0 |
| | 02/27/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/11/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | **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< 50 | **120** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/09/08 | **28** | ND< 50 | ND< 0.5 | **2.0** | **1.6** | **7.0** | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/08/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/11/09 | 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 | 05/05/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/13/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/06/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/04/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 02/28/07 | ND< 500 | **51** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/11/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 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< 50 | **140** | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/11/09 | 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 | 05/05/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/13/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/06/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/05/06 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 02/26/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/11/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/11/07 | ND< 500 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/11/07 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/10/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 06/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 09/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 12/09/08 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |
| | 03/11/09 | ND< 50 | ND< 50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 1.0 | ND< 2.0 | ND< 10 | ND< 1.0 |

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

# APPENDIX A

# CROSS SECTIONS




## LEGEND

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

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

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

GROUNDWATER DATA RESULTS
DECEMBER 2008 (µg/l) (Below Section):

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

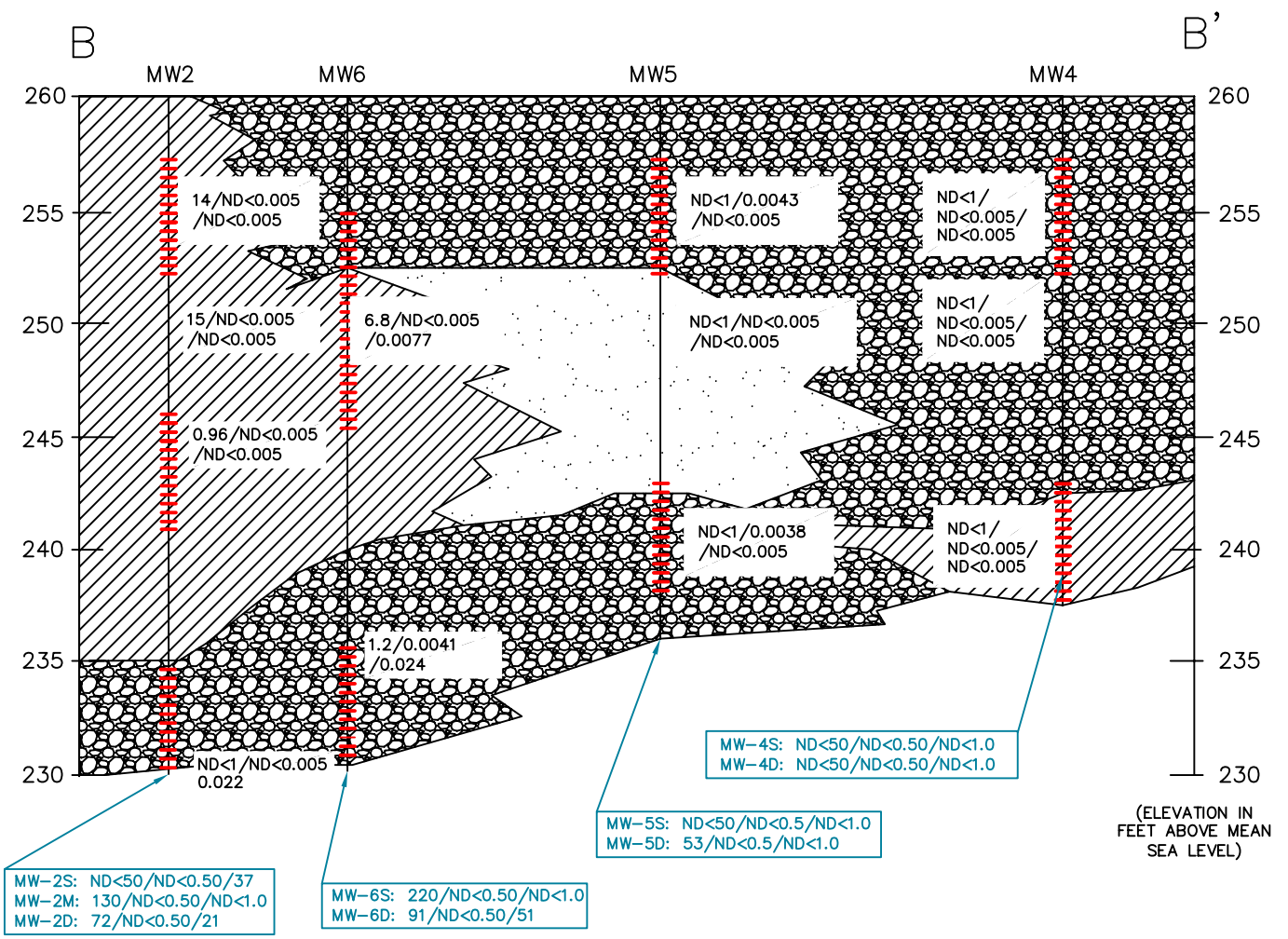
701 NORTH PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX

TAIT
RISING TO THE CHALLENGE

# EAST-WEST CROSS SECTION A-A'

HANSON AGGREGATES
MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009D |
| DATE: | JANUARY 2009 |




## LEGEND

SILTY SAND/SAND

CLAY

GRAVEL

Screen Interval in Well

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

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

GROUNDWATER DATA RESULTS
DECEMBER 2008 (µg/l) (Below Section):

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

5'
20'
0
0

SCALES VERTICAL SCALE EXAGGERATED

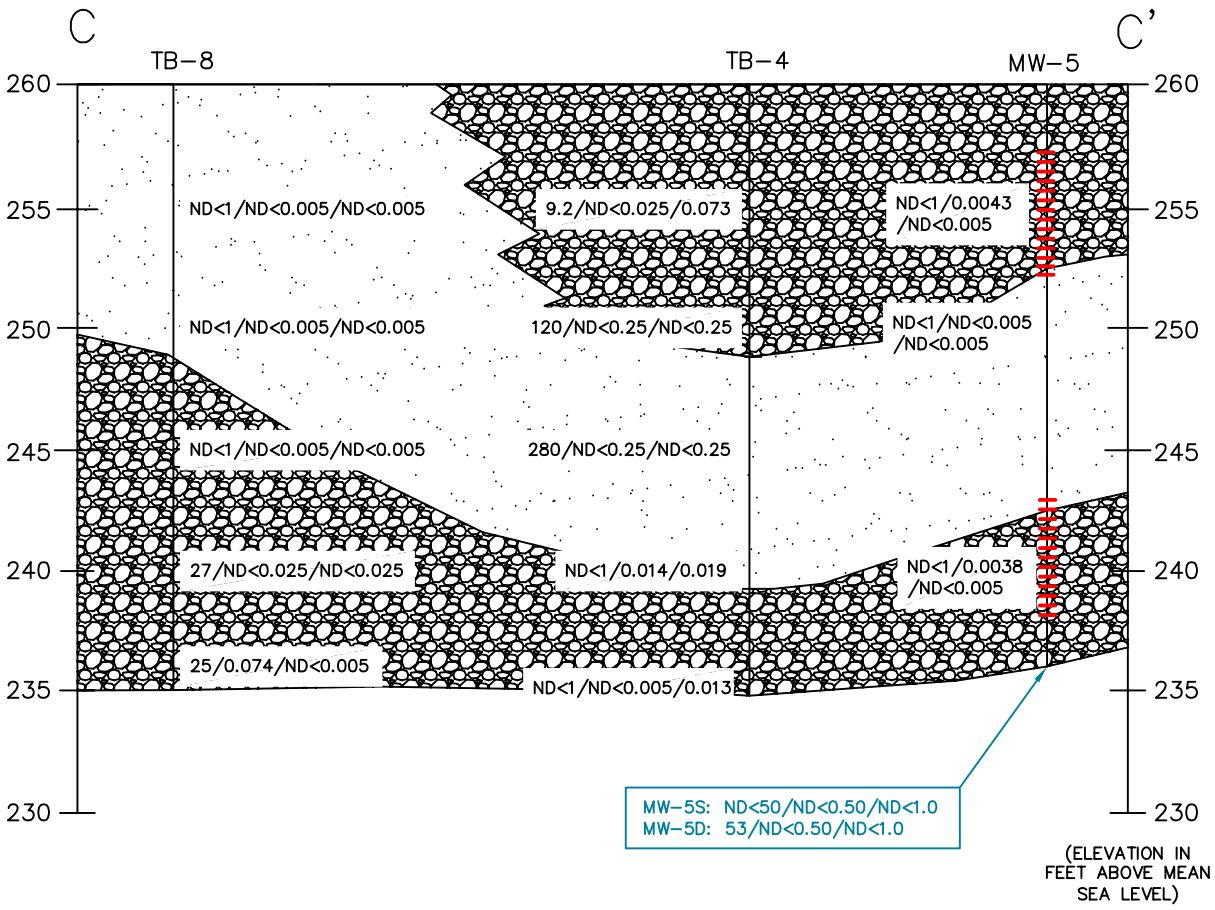
701 NORTH PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX

TAIT
RISING TO THE CHALLENGE

# EAST-WEST CROSS SECTION B-B'

HANSON AGGREGATES
MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009D |
| DATE: | JANUARY 2008 |




## LEGEND

SILTY SAND/SAND

GRAVEL

Screen Interval in Well

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

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

GROUNDWATER DATA RESULTS
DECEMBER 2008 (µg/l) (Below Section):

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

SCALES

5'
20'
0
0

VERTICAL SCALE EXAGGERATED

701 NORTH PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX

TAIT
RISING TO THE CHALLENGE

# NORTH-SOUTH CROSS SECTION C-C'

HANSON AGGREGATES
MISSION VALLEY ROCK FACILITY
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

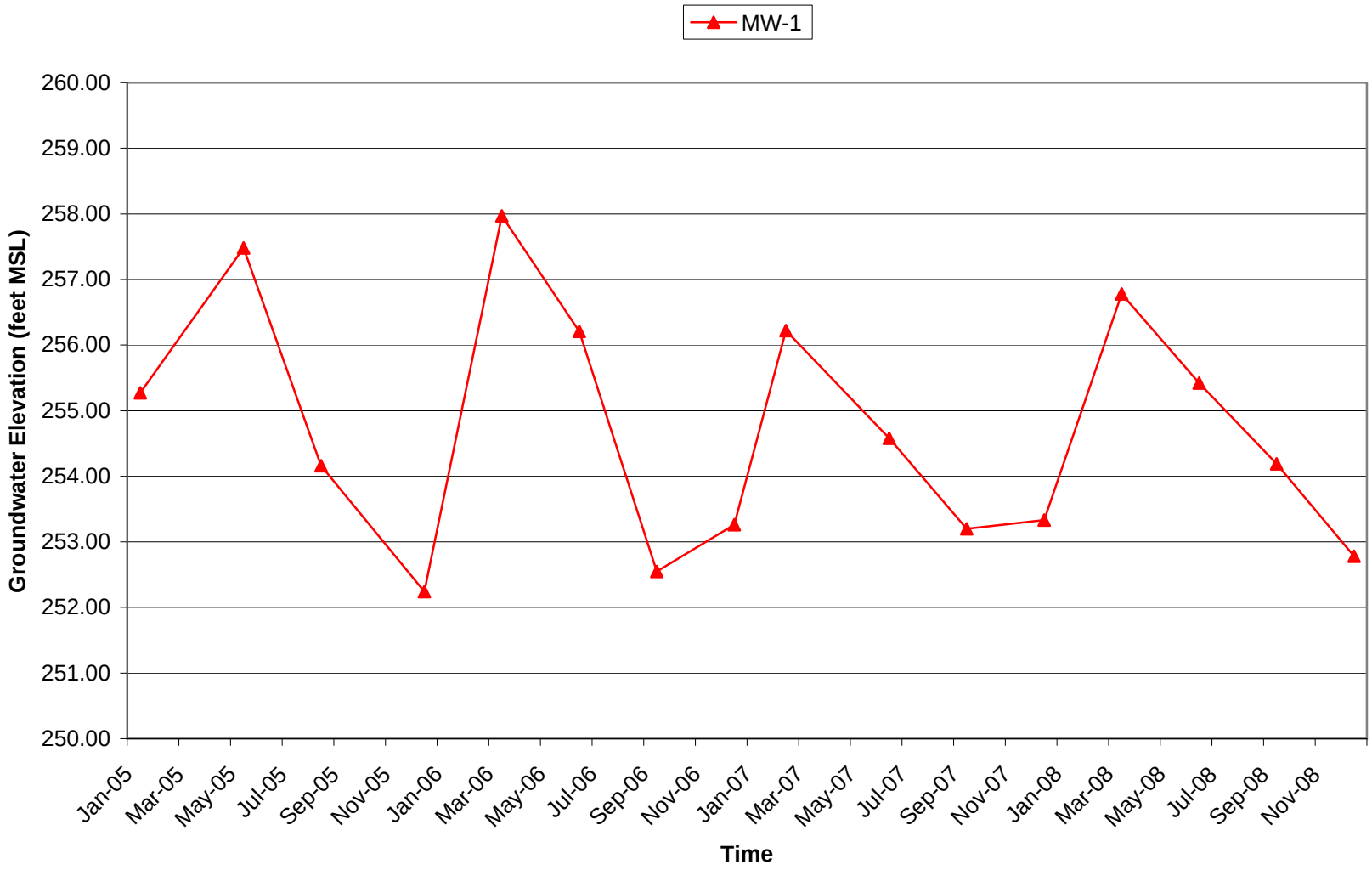
| | |
|---|---|
| DRAWN BY: | N.M. |
| REVIEWED BY: | P.M. |
| PROJECT: | EM5009D |
| DATE: | JANUARY 2009 |

# APPENDIX B

# HYDROGRAPHS

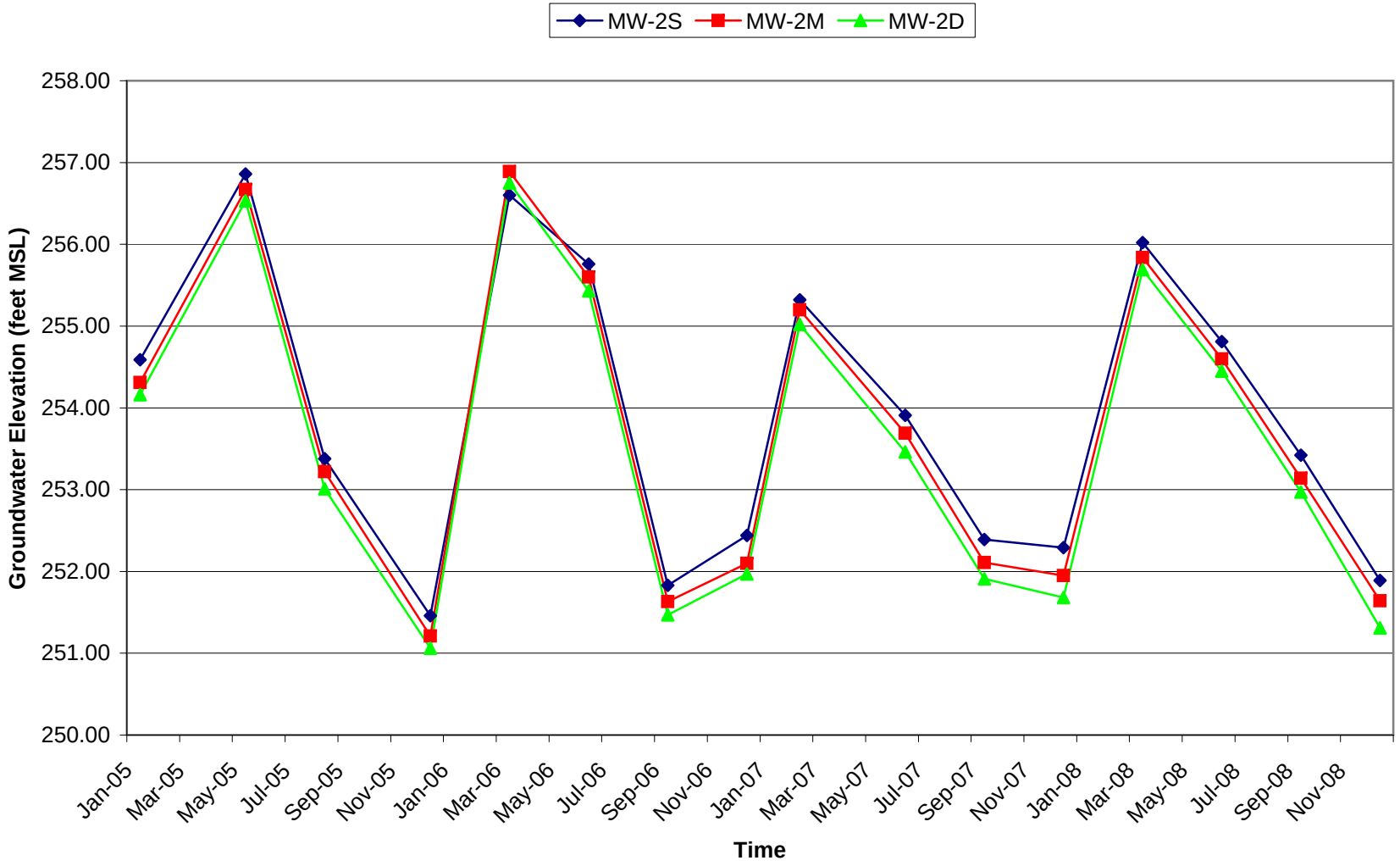
## GROUNDWATER ELEVATION VS. TIME (MW-1)

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



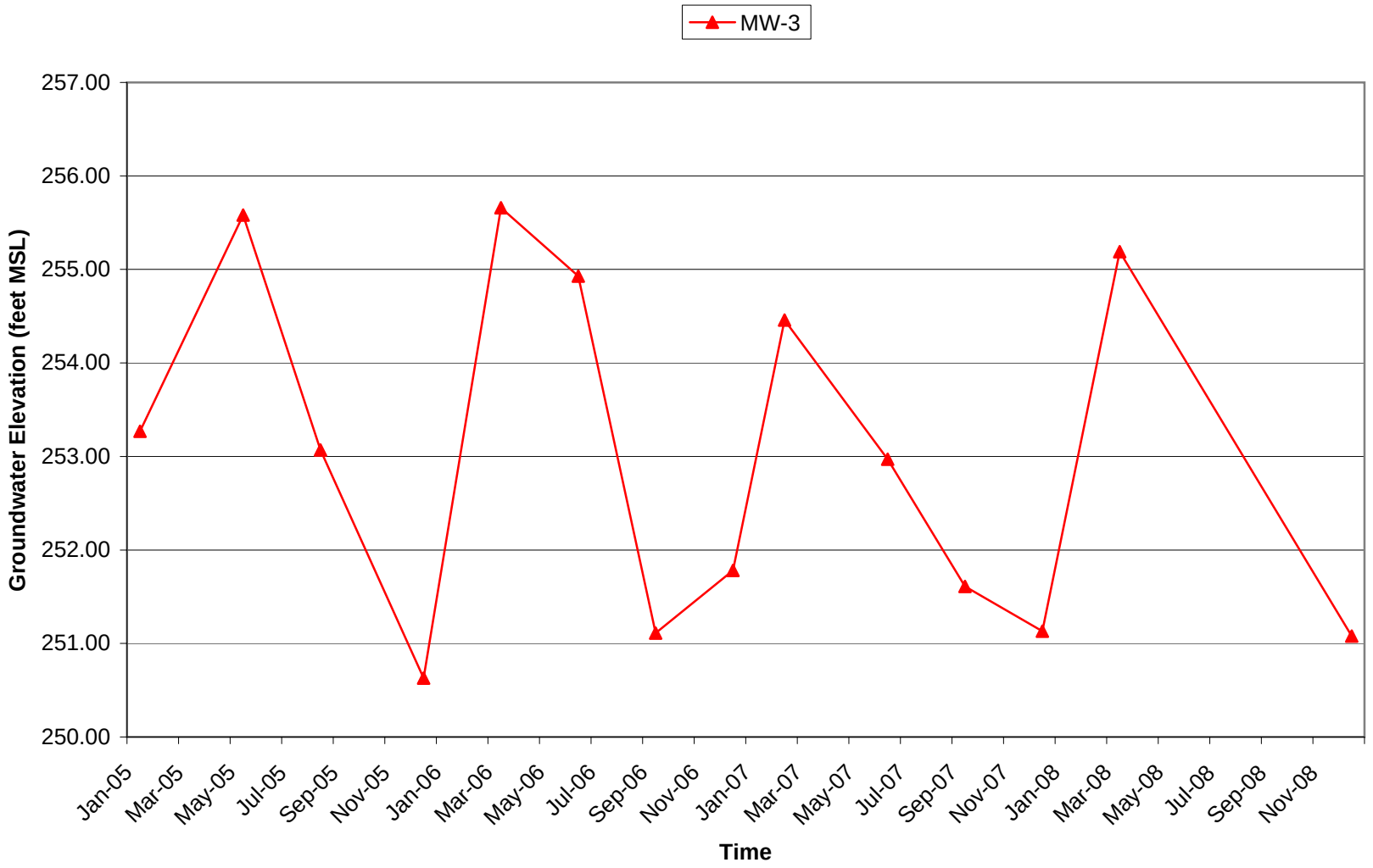
## GROUNDWATER ELEVATION VS. TIME (MW-2S, MW-2M, MW-2D)

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



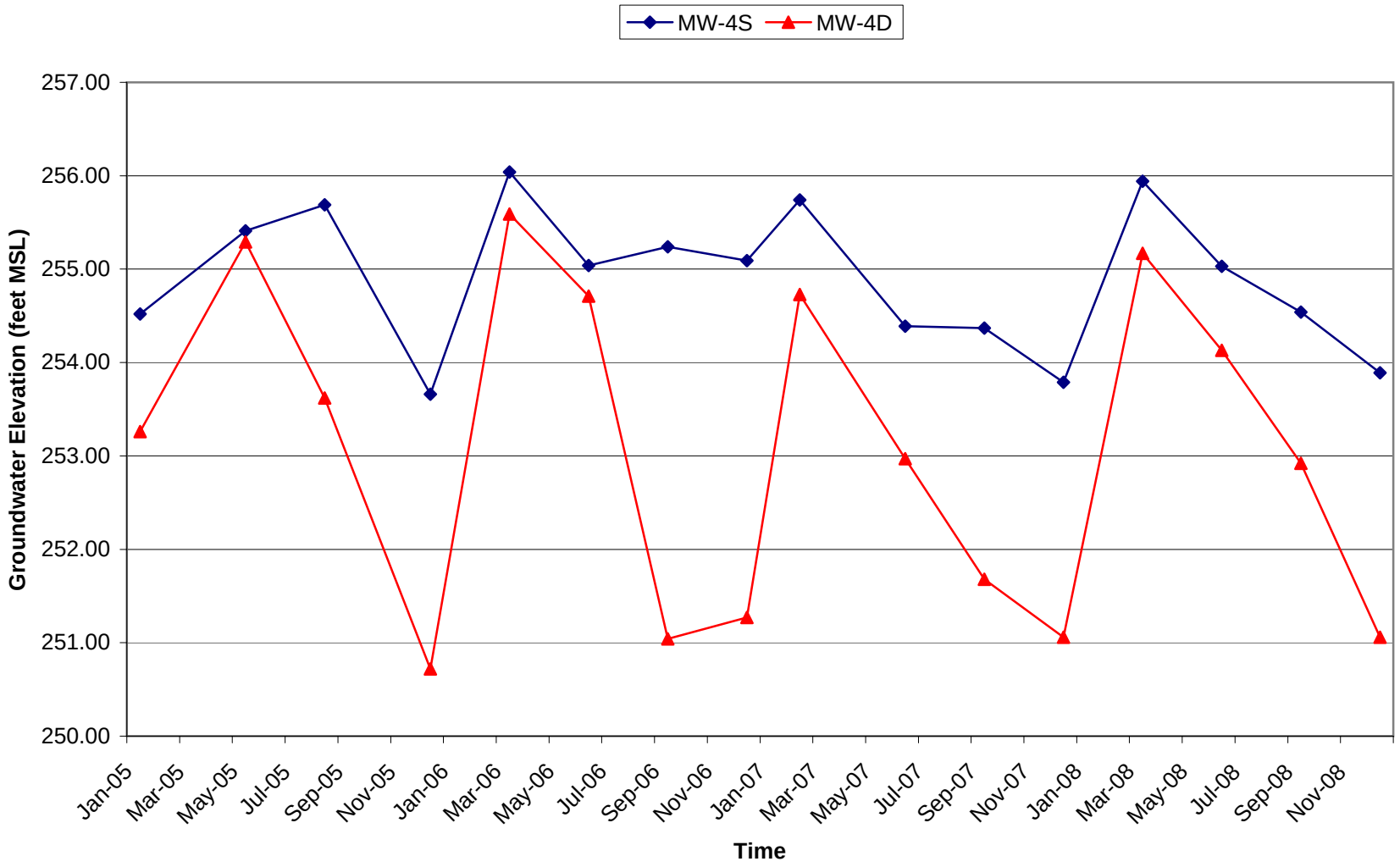
## GROUNDWATER ELEVATION VS. TIME (MW-3)

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



## GROUNDWATER ELEVATION VS. TIME (MW-4S, MW-4D)

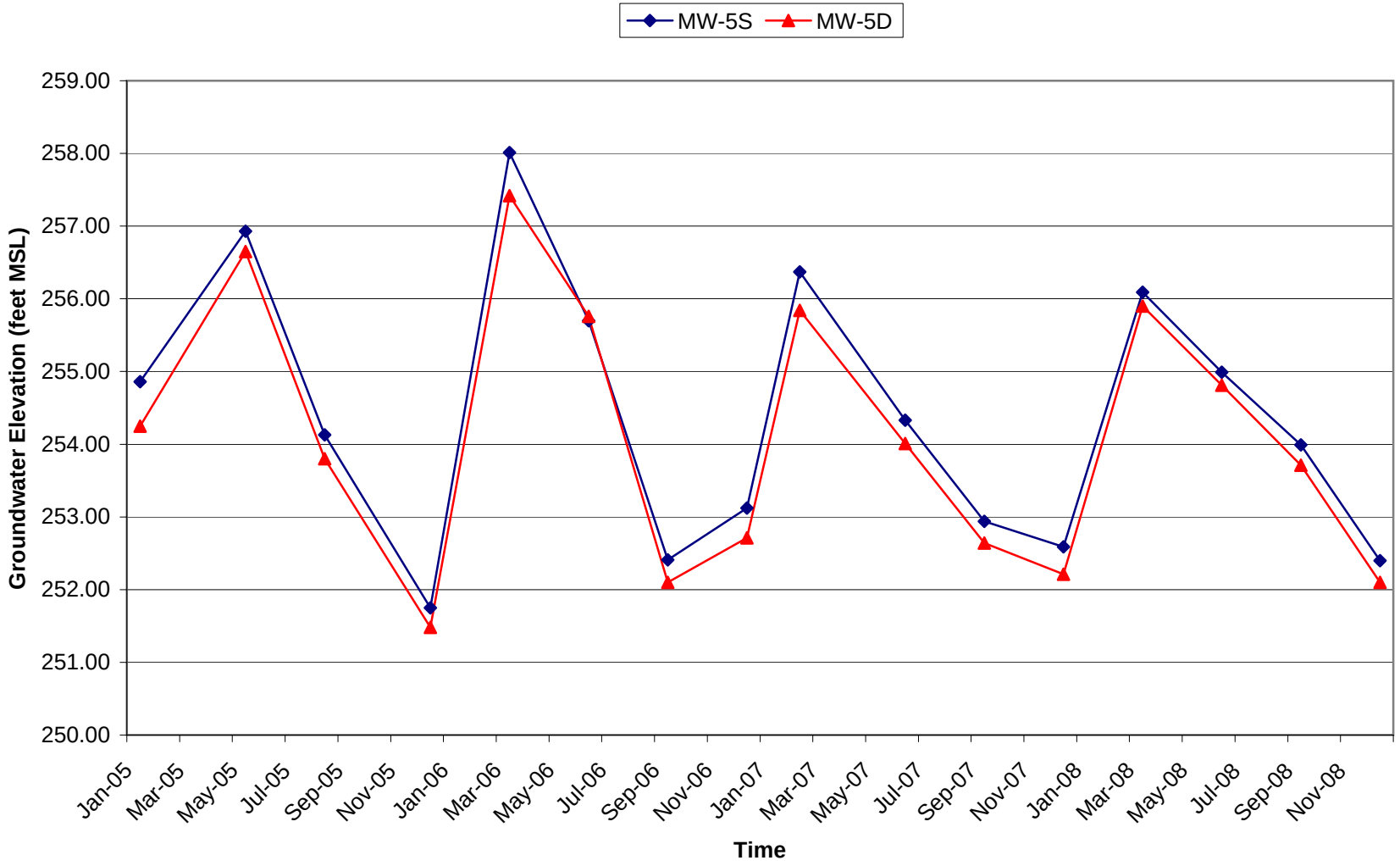
HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



**GROUNDWATER ELEVATION VS. TIME (MW-5S, MW-5D)**

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

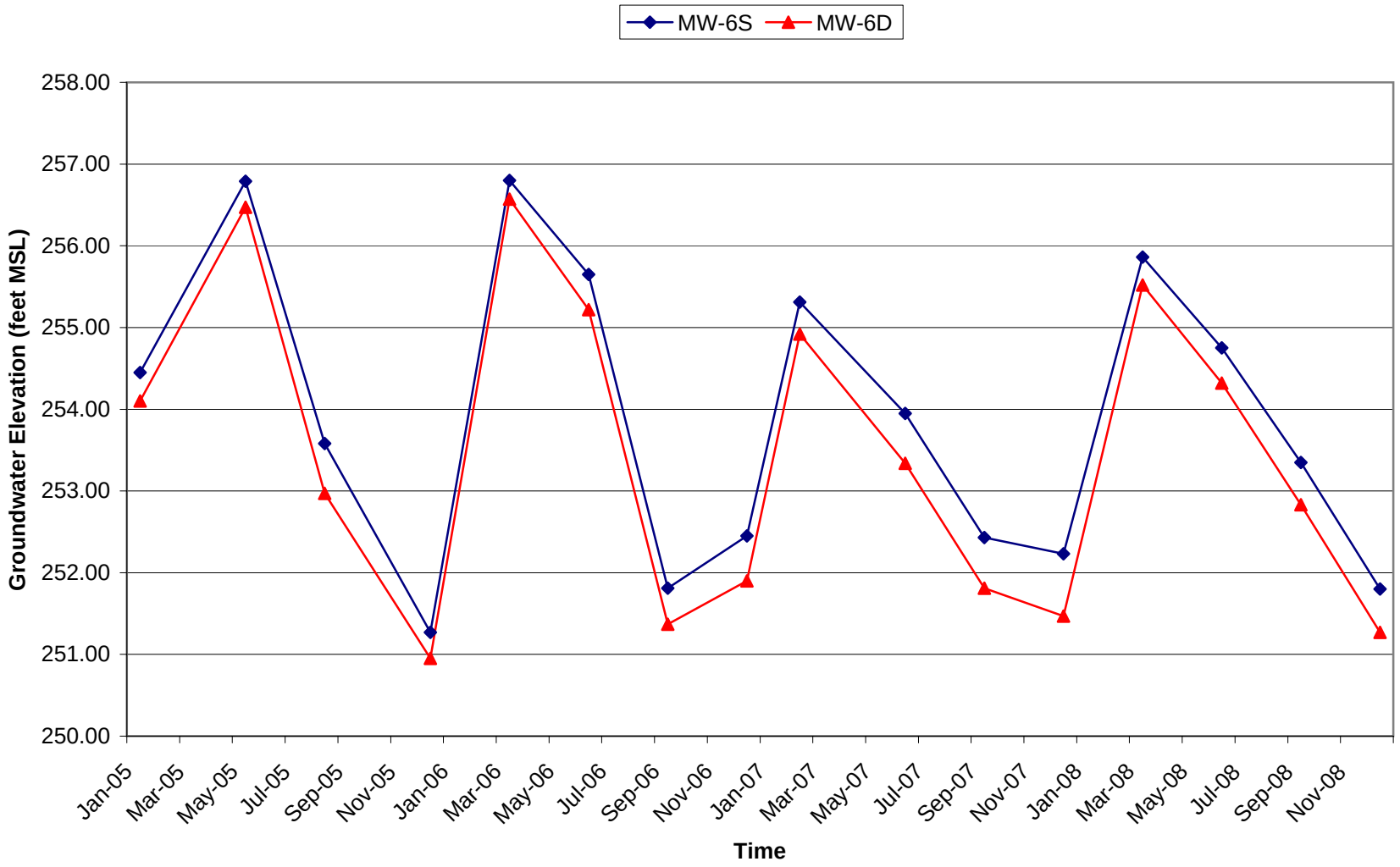
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



**GROUNDWATER ELEVATION VS. TIME (MW-6S, MW-6D)**

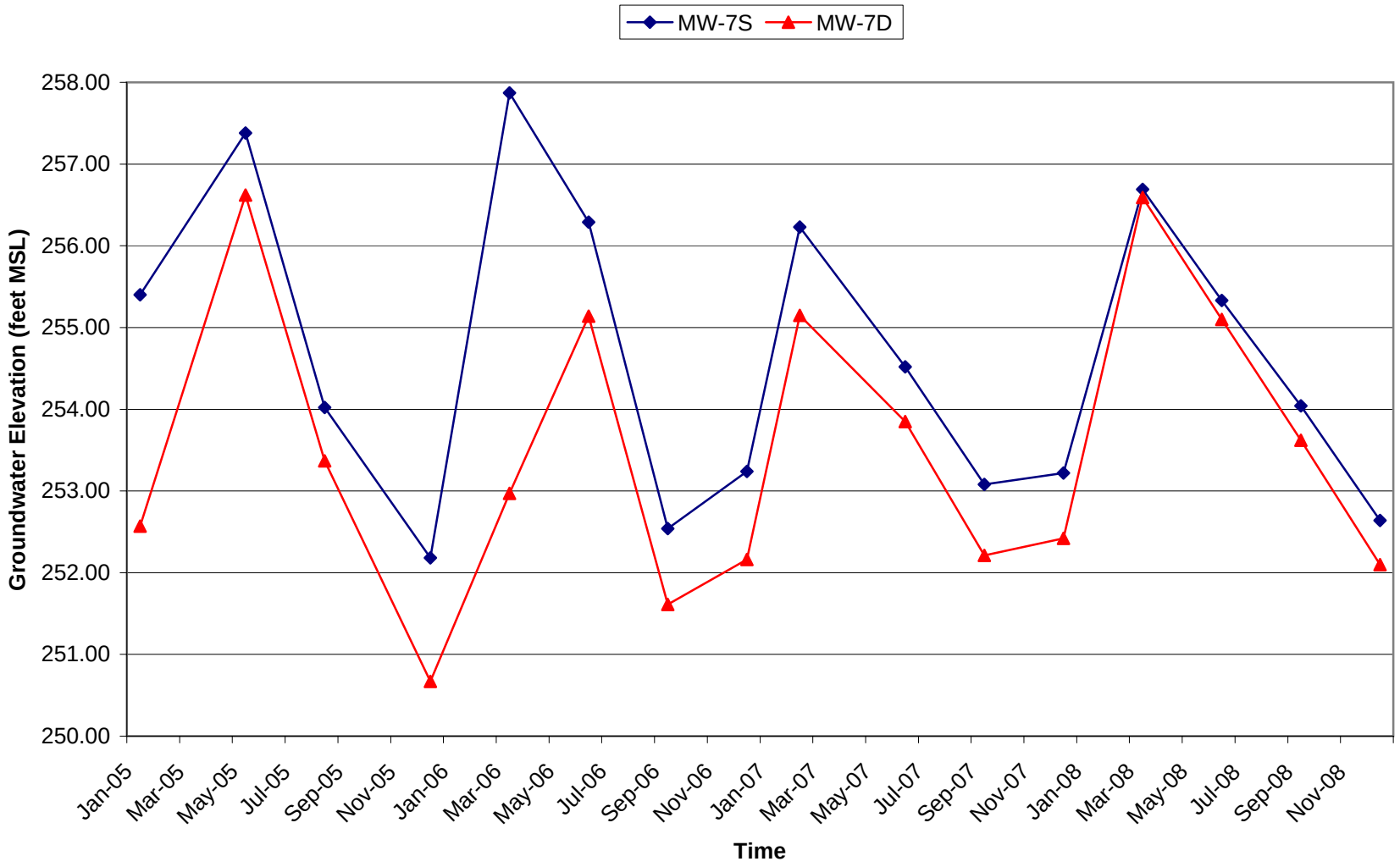
HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

7999 ATHENOUR WAY, SUNOL, CALIFORNIA



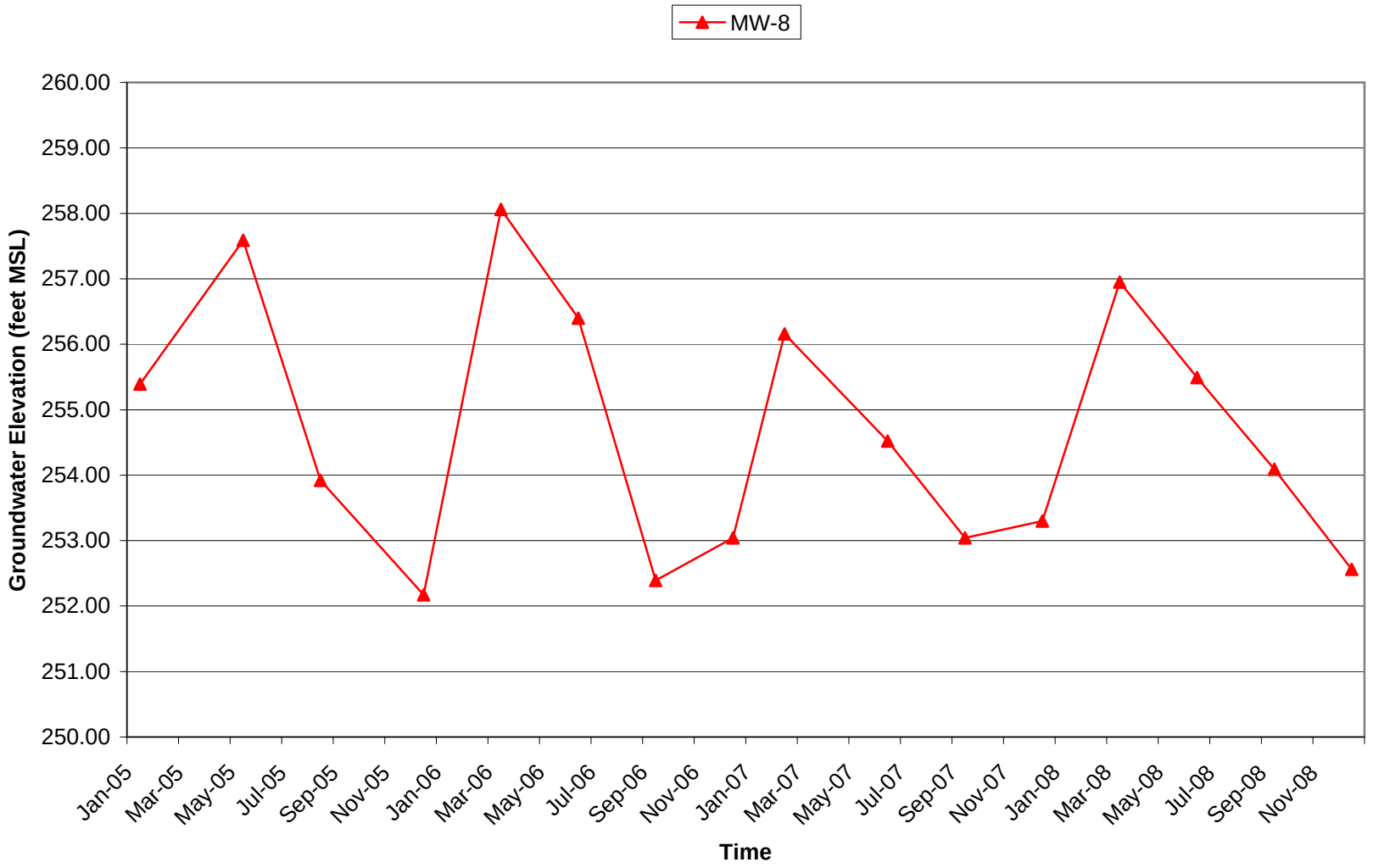
## GROUNDWATER ELEVATION VS. TIME (MW-7S, MW-7D)

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



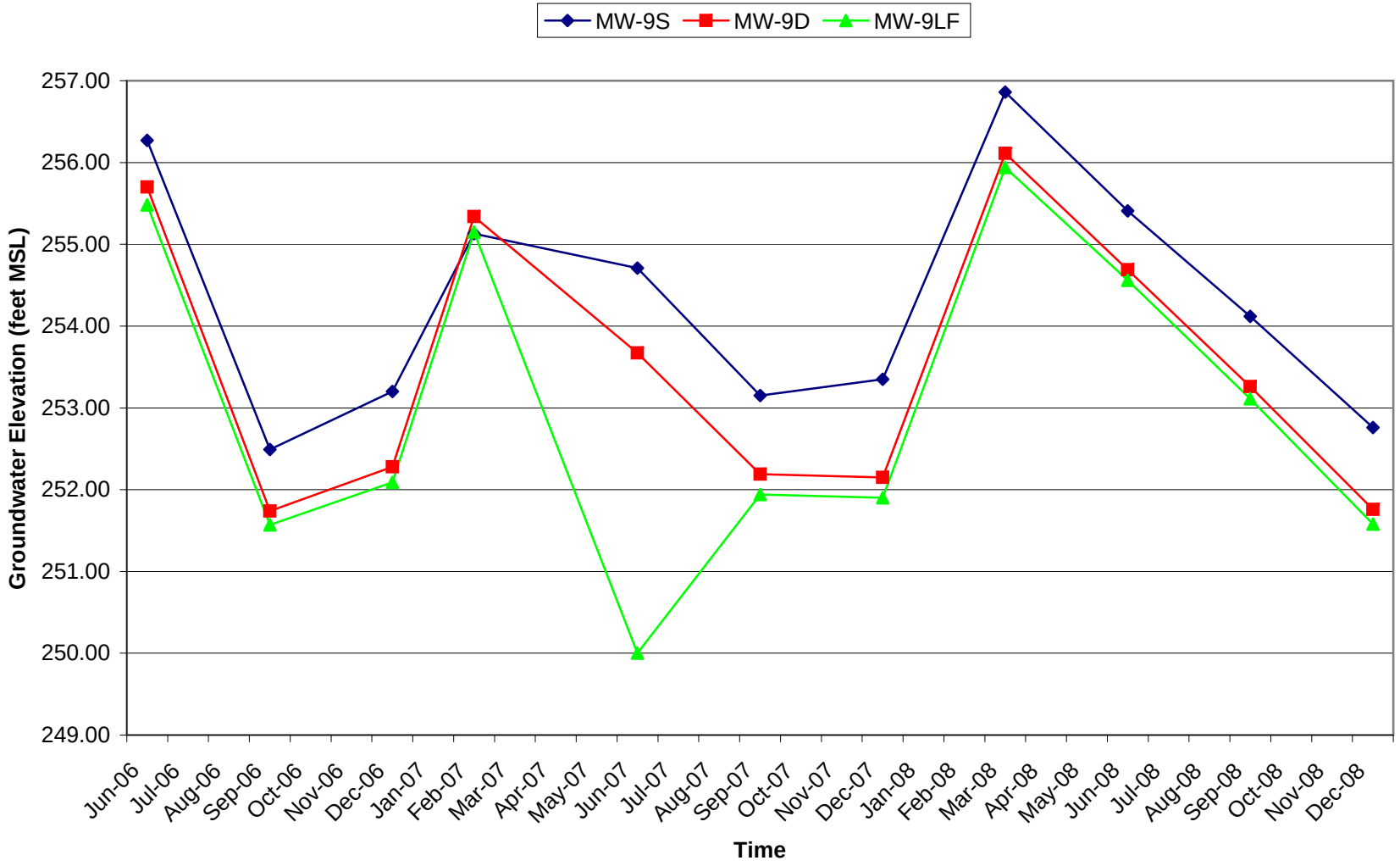
## GROUNDWATER ELEVATION VS. TIME (MW-8)

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



## GROUNDWATER ELEVATION VS. TIME (MW-9S, MW-9D, MW-9LF)

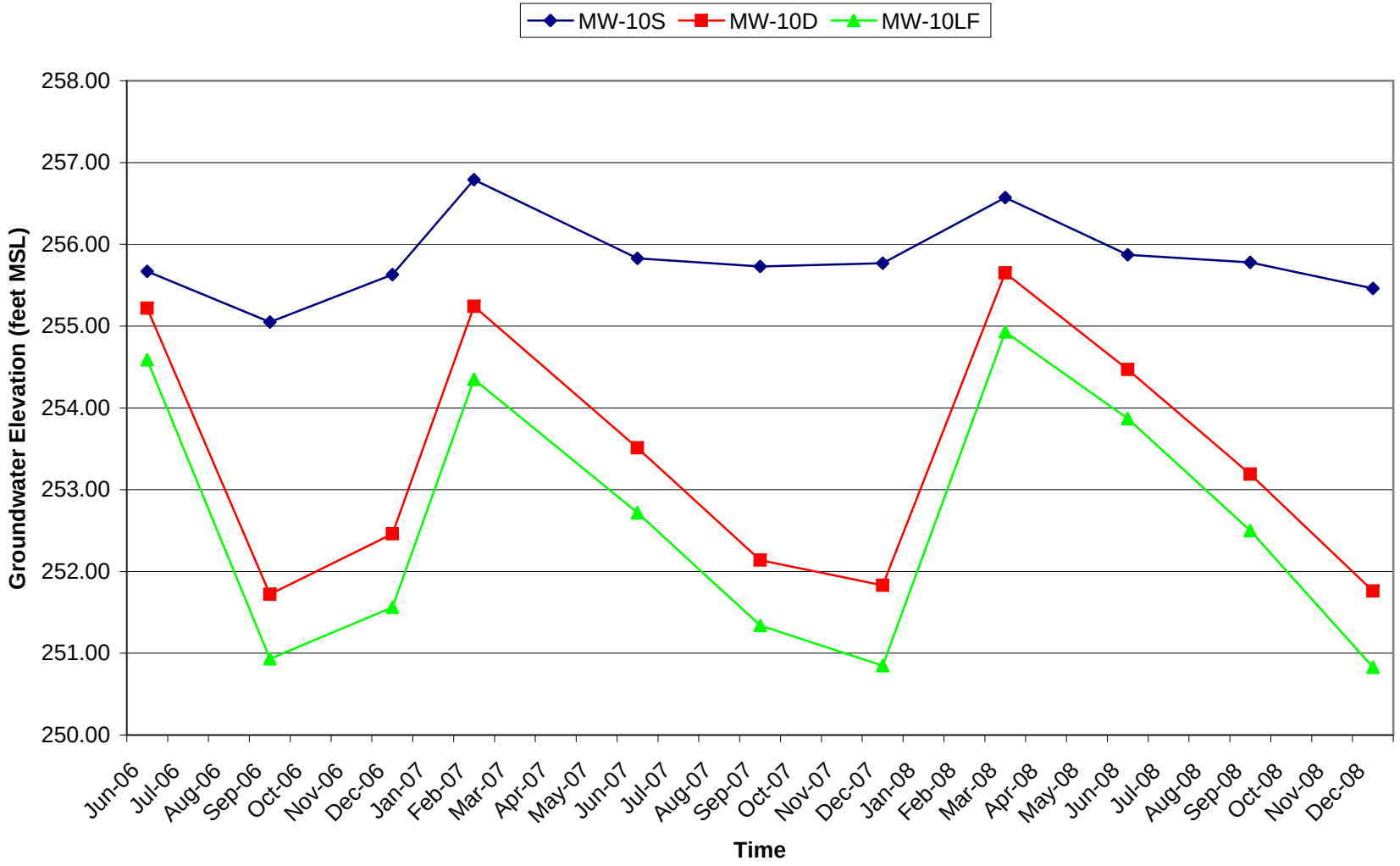
HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



**GROUNDWATER ELEVATION VS. TIME (MW-10S, MW-10D, MW-10LF)**

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

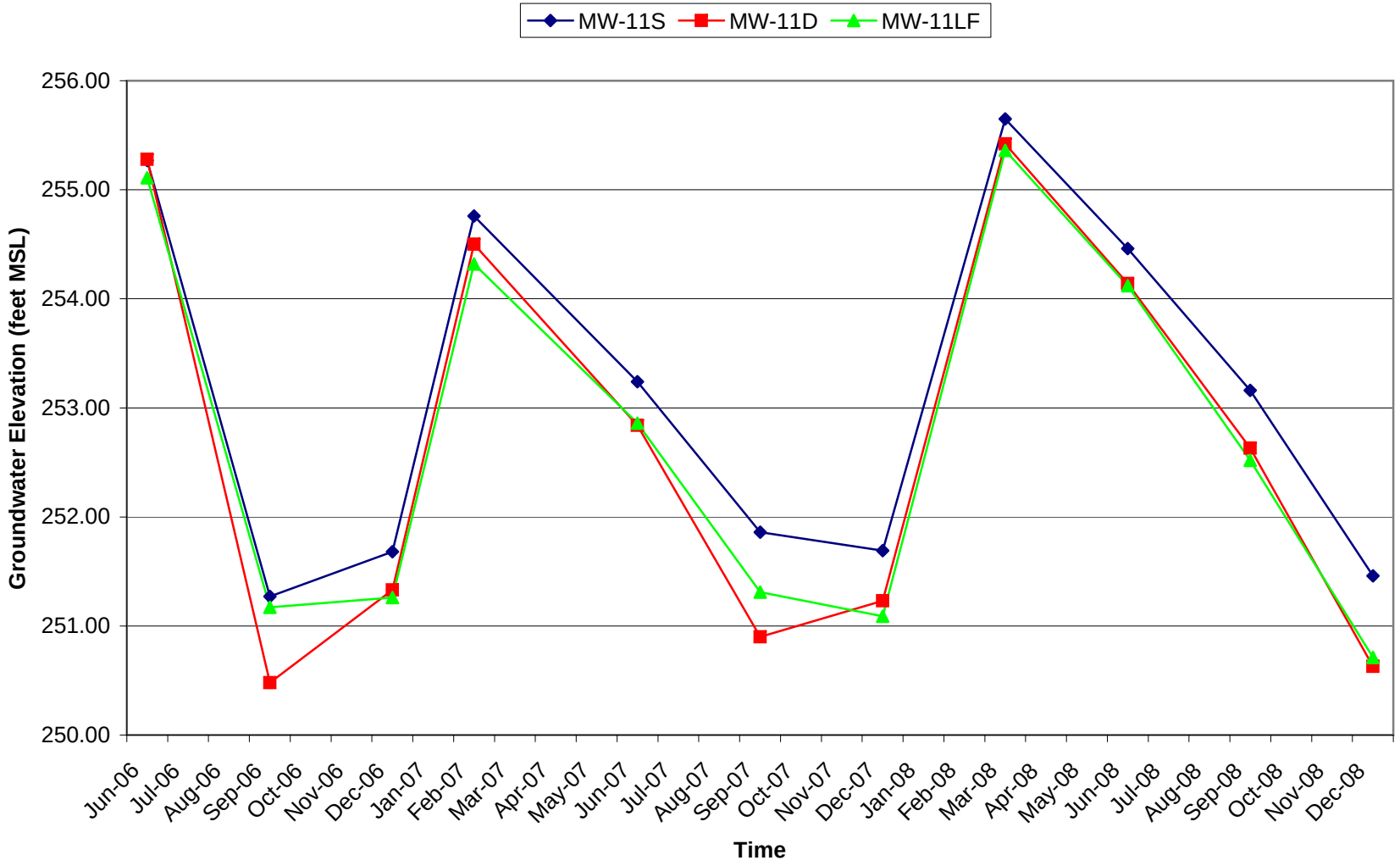
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



**GROUNDWATER ELEVATION VS. TIME (MW-11S, MW-11D, MW-11LF)**

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

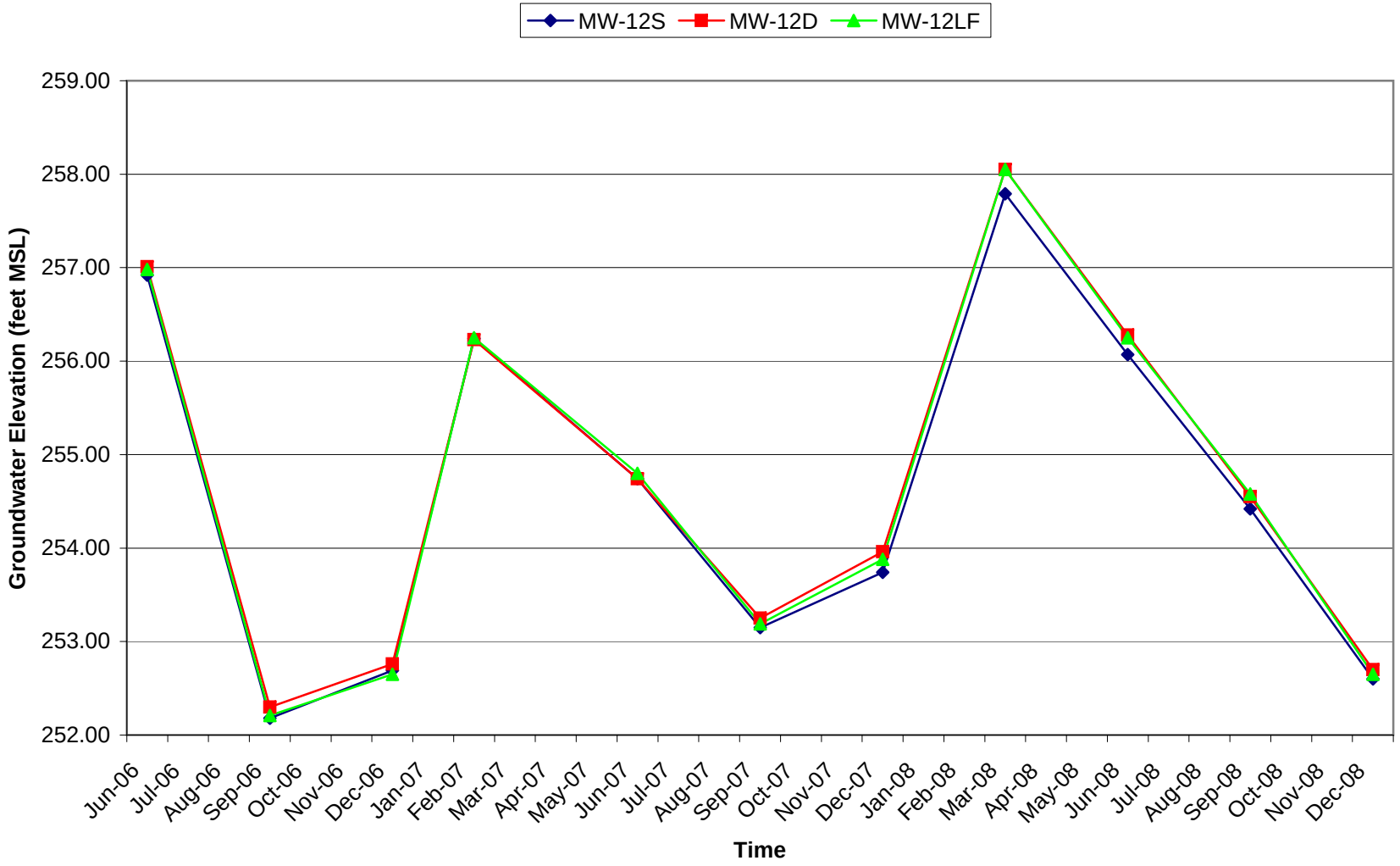
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



**GROUNDWATER ELEVATION VS. TIME (MW-12S, MW-12D, MW-12LF)**

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

7999 ATHENOUR WAY, SUNOL, CALIFORNIA



# APPENDIX C

# SAMPLING DATA SHEETS

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-8-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 45 | **Weather:** hot / dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 7 |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 4.60 | 8.35 | 3.75 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (s/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1252 | ∅ | | 4.65 | 6.54 | 26.5 | ∅ | 0.38 | 2.90 | -124 | clear |
| 1255 | 500 | | 4.65 | 6.59 | 26.2 | ∅ | 0.38 | 2.43 | -146 | |
| 1258 | 1000 | | 4.65 | 6.66 | 26.1 | ∅ | 0.38 | 2.05 | -168 | |
| 1301 | 1500 | | 4.65 | 6.72 | 25.9 | ∅ | 0.38 | 1.90 | -185 | |
| 1304 | 2000 | | 4.65 | 6.77 | 25.9 | ∅ | 0.37 | 1.85 | -189 | |
| 1307 | 2500 | | 4.65 | 6.84 | 25.9 | ∅ | 0.38 | 1.80 | -199 | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1252 | 1307 | 167 | 2500 | 4.65 | 1311 | MW-45 |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-8-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 4d | **Weather:** Hot / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 19' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 6.30 | 23.38 | 17.08 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (s/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1316 | ø | | 6.36 | 7.04 | 21.9 | ø | 0.39 | 3.09 | -155 | clear |
| 1318 | 500 | | 6.36 | 7.01 | 21.2 | ø | 0.39 | 2.68 | -152 | |
| 1320 | 1000 | | 6.36 | 6.98 | 21.2 | 0.9 | 0.38 | 2.49 | -151 | |
| 1322 | 1500 | | 6.36 | 6.98 | 21.2 | ø | 0.38 | 2.31 | -150 | |
| 1324 | 2000 | | 6.36 | 6.97 | 21.2 | ø | 0.38 | 2.27 | -147 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1316 | 1324 | 250 | 2000 | 6.36 | 1328 | MW-4d |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-8-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 75 | **Weather:** HOT / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 8' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 4.80 | 8.48 | 3.68 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1350 | ∅ | | 4.79 | 6.81 | 24.7 | 3.5 | 0.30 | 3.48 | -184 | clear |
| 1352 | 500 | | 4.90 | 6.71 | 24.4 | 6.6 | 0.28 | 2.89 | -193 | |
| 1355 | 1000 | | 4.96 | 6.61 | 24.0 | 3.8 | 0.27 | 2.62 | -198 | |
| 1358 | 1500 | | 4.99 | 6.57 | 23.8 | 4.9 | 0.26 | 2.06 | -211 | |
| 1401 | 2000 | | 5.02 | 6.52 | 23.7 | 4.4 | 0.26 | 2.09 | -212 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1350 | 1401 | 182 | 2000 | 5.02 | 1405 | MW-75 |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 8 | **Weather:** Hot / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 12' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 4.75 | 15.34 | 10.59 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1414 | 9 | | 4.75 | 6.67 | 21.4 | 9.1 | 0.23 | 2.92 | -187 | clear |
| 1416 | 500 | | 4.75 | 6.69 | 21.1 | 7.7 | 0.23 | 2.80 | -184 | |
| 1418 | 1000 | | 4.75 | 6.70 | 20.9 | 7.6 | 0.22 | 2.66 | -181 | |
| 1420 | 1500 | | 4.75 | 6.72 | 20.8 | 7.9 | 0.22 | 2.57 | -179 | |
| 1422 | 2000 | | 4.75 | 6.72 | 20.7 | 8.8 | 0.21 | 2.53 | -177 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1414 | 1422 | 250 | 2000 ml | 4.75 | 1426 | MW-8 |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-8-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 5S | **Weather:** Hot / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 8' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 5.44 | 8.24 | 2.80 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1447 | ø | | 5.68 | 6.53 | 25.2 | 9.3 | 0.24 | 2.35 | -192 | CLEAR |
| 1450 | 250 | | 5.83 | 6.52 | 25.0 | 8.9 | 0.24 | 2.19 | -197 | |
| 1453 | 500 | | 5.90 | 6.52 | 25.0 | 8.0 | 0.24 | 2.13 | -198 | |
| 1456 | 750 | | 5.96 | 6.51 | 25.0 | 8.1 | 0.24 | 2.05 | -200 | |
| 1500 | 1000 | | 6.02 | 6.51 | 25.0 | 7.9 | 0.24 | 2.03 | -202 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1447 | 1500 | 77 | 1000 ml | 6.02 | 1505 | MW-5S |

**Notes:** 9/8 @ 1335 - Asphault truck in the way - out of order purging

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-8-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 5d | **Weather:** Hot / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 19' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 5.69 | 22.65 | 16.96 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1510 | ∅ | | 5.77 | 6.50 | 23.7 | 11.2 | 0.32 | 2.52 | -199 | clear |
| 1513 | 500 | | 5.83 | 6.55 | 23.1 | 7.5 | 0.33 | 2.30 | -198 | |
| 1516 | 1000 | | 5.84 | 6.59 | 22.9 | 7.8 | 0.32 | 2.20 | -198 | |
| 1519 | 1500 | | 5.84 | 6.62 | 22.7 | 6.9 | 0.33 | 2.10 | -199 | |
| 1522 | 2000 | | 5.84 | 6.64 | 22.7 | 6.3 | 0.33 | 2.06 | -200 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1510 | 1522 | 167 | 2000ml | 5.84 | 1526 | MW-5d |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-8-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 115 | **Weather:** Hot / dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 9' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 5.80 | 9.43 | 3.63 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1540 | 9 | | 5.90 | 23.0 | 6.86 | 8.6 | 0.27 | 3.90 | -207 | CLEAR |
| 1542 | 500 | | 5.95 | 6.89 | 22.7 | 9.9 | 0.23 | 3.66 | -215 | ↓ |
| 1544 | 1000 | | 5.98 | 6.84 | 22.7 | 7.4 | 0.22 | 3.44 | -221 | |
| 1546 | 1500 | | 5.99 | 6.82 | 22.6 | 7.1 | 0.23 | 3.36 | -225 | |
| 1548 | 2000 | | 6.00 | 6.81 | 22.6 | 7.2 | 0.22 | 3.32 | -226 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1540 | 1548 | 250 | 2000 ml | 6.00 | 1555 | MW-115 |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-8-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 11LF | **Weather:** ~~HOT~~ / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 30' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 6.49 | 39.41 | 32.92 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1610 | ∅ | | 6.55 | 6.94 | 21.5 | 37.5 | 0.18 | 2.83 | -214 | clear |
| 1612 | 500 | | 6.57 | 6.99 | 20.9 | 28.0 | 0.16 | 2.60 | -210 | |
| 1614 | 1000 | | 6.60 | 6.99 | 20.7 | 29.1 | 0.15 | 2.27 | -207 | |
| 1616 | 1500 | | 6.60 | 6.99 | 20.7 | 25.3 | 0.15 | 2.23 | -206 | |
| 1618 | 2000 | | 6.60 | 6.98 | 20.7 | 26.0 | 0.15 | 2.17 | -205 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1610 | 1618 | 250 | 2000 ml | 6.60 | 1622 | MW-11 LF |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-8-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 11d | **Weather:** ~~Hot~~ / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 16' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 6.35 | 20.50 | 14.15 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1631 | ∅ | | 6.25 | 6.75 | 21.5 | 144 | 0.18 | 2.50 | -214 | Murky |
| 1634 | 500 | | 6.34 | 6.71 | 21.3 | 122 | 0.18 | 2.24 | -225 | |
| 1637 | 1000 | | 6.40 | 6.59 | 21.1 | 105 | 0.19 | 2.14 | -236 | |
| 1640 | 1500 | | 6.48 | 6.52 | 21.1 | 108 | 0.19 | 2.07 | -243 | |
| 1643 | 2000 | | 6.56 | 6.50 | 21.1 | 102 | 0.19 | 2.04 | -246 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1631 | 1643 | 167 | 2000 ml | 6.56 | 1648 | MW-11d |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 125 | **Weather:** HOT / DRY **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 10' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 8.27 | 11.04 | 2.77 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 908 | Ø | | 8.45 | 7.03 | 18.9 | 14.5 | 0.21 | 5.70 | -21 | CLEAR |
| 910 | 250 | | 8.55 | 6.94 | 19.2 | 15.4 | 0.23 | 3.42 | -16 | ↓ |
| 912 | 500 | | 8.63 | 6.90 | 19.3 | 14.6 | 0.23 | 3.07 | -13 | |
| 914 | 750 | | 8.68 | 6.83 | 19.2 | 10.1 | 0.24 | 2.91 | -3 | |
| 916 | 1000 | | 8.72 | 6.80 | 19.2 | 9.2 | 0.24 | 2.89 | -1 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 908 | 916 | 125 | 1000 ml | 8.72 | 926 | MW-125 |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 12d | **Weather:** Hot / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 16' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 8.15 | 19.70 | 11.55 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 934 | ∅ | | 8.25 | 6.79 | 18.8 | 28.4 | 0.22 | 3.64 | -69 | clear |
| 936 | 500 | | 8.29 | 6.81 | 18.8 | 38.2 | 0.18 | 2.79 | -62 | |
| 938 | 1000 | | 8.30 | 6.78 | 18.6 | 13.2 | 0.17 | 2.53 | -41 | |
| 940 | 1500 | | 8.30 | 6.75 | 18.6 | 13.8 | 0.17 | 2.45 | -33 | |
| 942 | 2000 | | 8.31 | 6.73 | 18.6 | 12.9 | 0.17 | 2.40 | -30 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 934 | 942 | 250 | 2000 ml | 8.31 | 956 | MW-12d |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 12 LF | **Weather:** HOT/DRY **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 35' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 8.32 | 39.50 | 31.18 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1014 | Ø | | 8.51 | 6.66 | 18.7 | 2.9 | 0.17 | 3.40 | -44 | CLEAR |
| 1017 | 500 | | 8.51 | 6.67 | 18.7 | 5.0 | 0.1 | 2.90 | -50 | ↓ |
| 1020 | 1000 | | 8.54 | 6.67 | 18.7 | 8.6 | 0.17 | 2.66 | -49 | |
| 1023 | 1500 | | 8.53 | 6.68 | 18.7 | 8.5 | 0.17 | 2.49 | -48 | |
| 1026 | 2000 | | 8.53 | 6.68 | 18.7 | 9.1 | 0.17 | 2.46 | -47 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1014 | 1026 | 167 | 2000 | 8.53 | 1030 | MW-12LF |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 105 | **Weather:** ~~Hot~~ / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 8' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 4.89 | 9.58 | 4.69 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1050 | 0 | | 4.90 | 6.36 | 24.5 | 5.1 | 0.25 | 2.39 | -115 | clear |
| 1052 | 500 | | 4.90 | 6.37 | 24.6 | 4.8 | 0.21 | 2.15 | -118 | ↓ |
| 1054 | 1000 | | 4.90 | 6.43 | 24.7 | 3.2 | 0.23 | 2.05 | -120 | |
| 1056 | 1500 | | 4.90 | 6.47 | 24.8 | 2.3 | 0.24 | 2.00 | -123 | |
| 1058 | 2000 | | 4.90 | 6.49 | 24.8 | 1.5 | 0.24 | 1.97 | -124 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1050 | 1058 | 250 | 2000 | 4.90 | 1102 | MW-105 |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 10d | **Weather:** ~~HOT~~ / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 16' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 7.45 | 19.38 | 11.93 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1115 | ø | | 7.55 | 7.02 | 22.2 | 120 | 0.35 | 2.40 | -323 | MUDDY |
| 1118 | 500 | | 7.66 | 7.04 | 22.0 | 113 | 0.35 | 2.34 | -324 | ↓ |
| 1121 | 1000 | | 7.70 | 7.05 | 21.6 | 94 | 0.35 | 2.28 | -327 | CLEAR |
| 1124 | 1500 | | 7.74 | 7.07 | 21.3 | 73 | 0.35 | 2.20 | -328 | |
| 1127 | 2000 | | 7.75 | 7.09 | 21.3 | 79 | 0.35 | 2.19 | -330 | ↓ |
| 1130 | 2500 | | 7.75 | 7.10 | 21.3 | 85 | 0.35 | 2.18 | -333 | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1115 | 1130 | 167 | 2500 ml | 7.75 | 1134 | MW-10d |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 10LF | **Weather:** Hot / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 35' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 8.08 | 39.90 | 31.82 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (s/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1148 | ø | | 8.19 | 7.22 | 21.6 | 17.5 | 0.31 | 2.88 | -293 | CLEAR |
| 1152 | 500 | | 8.19 | 7.11 | 21.3 | 11.5 | 0.28 | 2.87 | -287 | |
| 1156 | 1000 | | 8.19 | 7.09 | 21.2 | 11.3 | 0.27 | 2.91 | -287 | |
| 1158 | 1500 | | 8.19 | 7.07 | 20.8 | 8.4 | 0.27 | 2.97 | -289 | |
| 1201 | 2000 | | 8.19 | 7.06 | 20.8 | 8.6 | 0.27 | 3.01 | -290 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1148 | 1201 | 154 | 2000 ml | 8.19 | 1205 | MW-10LF |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



**Project Name:** Mission Valley Rock
**Project No.:** EM5009-D
**Well Identification:** MW - 3
**Measurement Point Description:** TOC -north

**Date:** 9-9-08
**Prepared By:** Michael Schenone
**Weather:** Hot / Dry **Screen:**
**Pump Intake:** 12'

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 6.33 | 14.70 | 8.37 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1224 | ∅ | | 6.45 | 6.92 | 23.2 | 28.3 | 0.33 | 3.43 | -256 | clear |
| 1228 | 500 | | 6.52 | 6.88 | 22.8 | 32.3 | 0.34 | 3.61 | -261 | |
| 1230 | 1000 | | 6.54 | 6.80 | 22.4 | 21.2 | 0.34 | 3.75 | -264 | |
| 1232 | 1500 | | 6.54 | 6.78 | 22.3 | 12.2 | 0.34 | 3.85 | -268 | |
| 1234 | 2000 | | 6.54 | 6.75 | 22.3 | 13.5 | 0.34 | 3.88 | -269 | |
| 1236 | 2500 | | 6.54 | 6.73 | 22.3 | 12.7 | 0.34 | 3.90 | -271 | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1224 | 1236 | 208 | 2500 ml | 6.54 | 1240 | MW-3 |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 25 | **Weather:** Hot / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 8' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 5.42 | 8.71 | 3.29 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1305 | ø | | 5.55 | 6.73 | 24.7 | 10.8 | 0.29 | 3.93 | -234 | clear |
| 1307 | 250 | | 5.66 | 6.69 | 24.5 | 6.5 | 0.27 | 4.40 | -242 | ↓ |
| 1310 | 500 | | 5.74 | 6.64 | 24.6 | 6.1 | 0.26 | 4.96 | -243 | |
| 1313 | 750 | | 5.83 | 6.62 | 24.6 | 5.8 | 0.26 | 4.99 | -246 | |
| 1316 | 1000 | | 5.90 | 6.61 | 24.6 | 5.5 | 0.26 | 5.05 | -248 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1305 | 1316 | 91 | 1000 ml | 5.90 | 1320 | MW-25 |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 2M | **Weather:** ~~HOT~~ / DRY **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 10' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 5.85 | 12.29 | 6.44 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1328 | ∅ | | 6.00 | 6.62 | 23.8 | 6.1 | 0.26 | 4.92 | -237 | CLEAR |
| 1330 | 500 | | 6.10 | 6.62 | 23.7 | 5.5 | 0.24 | 4.82 | -246 | ↓ |
| 1332 | 1000 | | 6.10 | 6.63 | 23.6 | 6.4 | 0.24 | 4.58 | -254 | |
| 1334 | 1500 | | 6.10 | 6.63 | 23.6 | 8.1 | 0.24 | 4.55 | -257 | |
| 1336 | 2000 | | 6.10 | 6.63 | 23.6 | 7.4 | 0.24 | 4.52 | -259 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1328 | 1336 | 250 | 2000 ml | 6.10 | 1338 | MW-2M |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 2d | **Weather:** ~~Hot~~ / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 24' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 5.94 | 29.54 | 23.60 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1351 | ∅ | | 6.08 | 6.63 | 21.9 | 17.3 | 0.24 | 4.48 | -251 | clear |
| 1354 | 500 | | 6.12 | 6.63 | 21.9 | 10.2 | 0.24 | 4.26 | -238 | |
| 1357 | 1000 | | 6.19 | 6.63 | 21.7 | 7.9 | 0.24 | 4.19 | -242 | |
| 1400 | 1500 | | 6.19 | 6.63 | 21.6 | 10.1 | 0.24 | 4.16 | -246 | |
| 1403 | 2000 | | 6.19 | 6.63 | 21.5 | 9.5 | 0.24 | 4.14 | -248 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1351 | 1403 | 167 | 2000 ml | 6.19 | 1408 | MW-2d |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 6S | **Weather:** Hot / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 13' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 5.40 | 15.00 | 9.60 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1423 | ∅ | | 5.60 | 6.54 | 24.5 | 18.2 | 0.25 | 5.58 | -202 | clear |
| 1426 | 500 | | 5.71 | 6.53 | 24.7 | 54.1 | 0.25 | 4.23 | -219 | |
| 1429 | 1000 | | 5.78 | 6.56 | 24.4 | 53.8 | 0.29 | 3.91 | -242 | |
| 1432 | 1500 | | 5.85 | 6.57 | 24.2 | 48.6 | 0.29 | 3.92 | -249 | |
| 1436 | 2000 | | 5.92 | 6.58 | 24.2 | 44.9 | 0.29 | 3.93 | -252 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1423 | 1436 | 154 | 2000 | 5.92 | 1442 | MW-6S |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-9-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 6d | **Weather:** ~~Hot~~ / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 241 |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 6.44 | 29.15 | 22.71 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/M) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1450 | ø | | 6.45 | 6.74 | 23.6 | 21.1 | 0.28 | 6.52 | -228 | clear |
| 1452 | 500 | | 6.57 | 6.78 | 22.8 | 19.3 | 0.27 | 4.00 | -235 | ↓ |
| 1454 | 1000 | | 6.60 | 6.83 | 22.1 | 11.5 | 0.27 | 3.55 | -243 | |
| 1456 | 1500 | | 6.60 | 6.84 | 21.9 | 4.7 | 0.26 | 3.50 | -250 | |
| 1458 | 2000 | | 6.60 | 6.84 | 21.9 | 6.5 | 0.25 | 3.48 | -252 | |
| 1500 | 2500 | | 6.60 | 6.84 | 21.9 | 5.3 | 0.25 | 3.47 | -254 | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1450 | 1500 | 250 | 2500 | 6.60 | 1504 | MW-6d |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



**Project Name:** Mission Valley Rock
**Project No.:** EM5009-D
**Well Identification:** MW - 7d
**Measurement Point Description:** TOC -north

**Date:** 9-9-08
**Prepared By:** Michael Schenone
**Weather:** ~~Hot~~ / Dry
**Screen:**
**Pump Intake:** 20'

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 5.18 | 23.61 | 18.43 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/M) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1528 | ∅ | | 5.70 | 6.77 | 20.3 | 21.8 | 0.21 | 6.62 | -256 | clear |
| 1531 | 500 | | 5.78 | 6.77 | 20.2 | 20.2 | 0.21 | 3.48 | -259 | ↓ |
| 1534 | 1000 | | 5.87 | 6.77 | 20.1 | 17.8 | 0.21 | 3.02 | -263 | |
| 1538 | 1500 | | 5.95 | 6.77 | 20.0 | 18.8 | 0.21 | 2.99 | -269 | |
| 1542 | 2000 | | 6.01 | 6.77 | 20.0 | 19.1 | 0.21 | 3.00 | -272 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1528 | 1542 | 143 | 2000 | 6.01 | 1545 | MW-7d |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-10-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 1 | **Weather:** ~~HOT~~ / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 14' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 4.49 | 17.78 | 13.29 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 930 | Ø | | 4.68 | 7.03 | 19.4 | 17.9 | 0.31 | 6.55 | -133 | clear |
| 932 | 500 | | 4.75 | 6.97 | 19.4 | 12.2 | 0.31 | 3.62 | -149 | |
| 934 | 1000 | | 4.80 | 6.96 | 19.4 | 10.0 | 0.31 | 2.90 | -155 | |
| 936 | 1500 | | 4.80 | 6.95 | 19.5 | 10.4 | 0.31 | 2.82 | -164 | |
| 938 | 2000 | | 4.81 | 6.94 | 19.5 | 11.2 | 0.31 | 2.78 | -167 | |
| 940 | 2500 | | 4.81 | 6.93 | 19.5 | 9.8 | 0.31 | 2.72 | -170 | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 930 | 940 | 250 | 2500 | 4.81 | 946 | MW-1 |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-10-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 9LF | **Weather:** HOT/Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 35' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 5.83 | 39.11 | 33.28 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000 | ϕ | | 5.97 | 6.97 | 20.1 | 13.6 | 0.26 | 9.44 | -138 | clear |
| 1004 | 500 | | 6.09 | 7.12 | 19.8 | 14.5 | 0.20 | 6.09 | -129 | ↓ |
| 1007 | 1000 | | 6.10 | 7.15 | 19.8 | 16.3 | 0.19 | 5.93 | -127 | |
| 1009 | 1500 | | 6.12 | 7.15 | 19.8 | 17.4 | 0.19 | 5.73 | -122 | |
| 1012 | 2000 | | 6.13 | 7.15 | 19.8 | 15.8 | 0.19 | 5.69 | -120 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1000 | 1012 | 167 | 2000 | 6.13 | 1016 | MW-9LF |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-10-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 9d | **Weather:** HOT / DRY **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 20' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 5.60 | 24.28 | 18.68 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1025 | 0 | | 5.79 | 6.88 | 20.1 | 180 | 0.25 | 4.70 | -318 | MURKY BLACK |
| 1029 | 500 | | 5.92 | 6.86 | 19.8 | 74.3 | 0.26 | 4.94 | -337 | MURKY |
| 1033 | 1000 | | 6.05 | 6.85 | 19.7 | 38.9 | 0.28 | 5.00 | -340 | CLEAR |
| 1037 | 1500 | | 6.08 | 6.84 | 19.6 | 31.4 | 0.29 | 5.03 | -342 | ↓ |
| 1041 | 2000 | | 6.10 | 6.84 | 19.6 | 25.4 | 0.29 | 5.09 | -345 | ↓ |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1025 | 1041 | 125 | 2000 | 6.10 | 1047 | MW - 9d |

**Notes:**

TAIT Environmental Management, Inc

# Groundwater Sampling Data Sheet



| | |
|---|---|
| **Project Name:** Mission Valley Rock | **Date:** 9-10-08 |
| **Project No.:** EM5009-D | **Prepared By:** Michael Schenone |
| **Well Identification:** MW - 9S | **Weather:** Hot / Dry **Screen:** |
| **Measurement Point Description:** TOC -north | **Pump Intake:** 10' |

| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft-bmp) |
|---|---|---|---|---|
| NA | 4.29 | 12.20 | 7.91 | NA |

| Time | Volume Purged (ml) | Flow Rate (ml/min) | Water Level (ft-bmp) | pH | Temperature (°C) | Turbidity (NTU) | Conductivity (S/m) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1100 | ∅ | | 4.52 | 6.81 | 22.0 | 230 | 0.30 | 7.37 | -313 | MUDDY |
| 1105 | 500 | | 4.60 | 6.81 | 21.9 | 121 | 0.30 | 4.01 | -290 | ↓ |
| 1109 | 1000 | | 4.65 | 6.83 | 21.5 | 62.5 | 0.30 | 2.80 | -295 | CLEAR |
| 1112 | 1500 | | 4.65 | 6.84 | 21.5 | 58.2 | 0.30 | 2.30 | -300 | ↓ |
| 1115 | 2000 | | 4.65 | 6.85 | 21.5 | 55.7 | 0.30 | 2.28 | -302 | |
| 1118 | 2500 | | 4.65 | 6.86 | 21.5 | 53.1 | 0.30 | 2.26 | -304 | |
| | | | | | | | | | | |

| Purge Start Time | Purge End Time | Average Flow (ml/min) | Total Purged (ml) | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification |
|---|---|---|---|---|---|---|
| 1100 | 1118 | 139 | 2500 | 4.65 | 1123 | MW-9S |

**Notes:**

# APPENDIX D

# CERTIFICATE OF DISPOSAL

**IWM, Inc.**

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

# CERTIFICATE OF DISPOSAL

| | | | |
|---|---|---|---|
| Generator Name: | Mission Valley Rock Company | Facility Name: | Mission Valley Rock |
| Address: | 7999 Athenour Way | Address: | 7999 Athenour Way |
| | Sunol, CA 94586 | | Sunol, CA 94586 |
| Contact: | Mort Calvert | Facility Contact: | Mike Schenone, TAIT Environmental |
| Phone: | 925.862.2257 | Phone: | 916-764-1239 |

| | |
|---|---|
| IWM Job #: | 98535-DW |
| Description of Waste: | 1 Drum(s) of |
| | Non-Hazardous |
| | Water |
| Removal Date: | 3/19/09 |
| Ticket #: | SP190309-MISC |

## Transporter Information

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

## Disposal Facility Information

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

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

William T. DeLon William T. DeLon — 3/19/09

Authorized Representative (Print Name and Signature) — Date

# APPENDIX E

# LABORATORY REPORT

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

**25712 Commercentre Drive**
**Lake Forest, California 92630**
**949.297.5020 Phone**
**949.297.5027 Fax**

19 March 2009

Paul McCarter
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 03/12/09 09:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Albert Vargas
Senior Project Coordinator

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

**25712 Commercentre Drive**
**Lake Forest, California 92630**
**949.297.5020 Phone**
**949.297.5027 Fax**

| | | |
|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| MW-10LF | T900212-01 | Water | 03/09/09 13:25 | 03/12/09 09:50 |
| MW-2S | T900212-02 | Water | 03/09/09 14:15 | 03/12/09 09:50 |
| MW-2M | T900212-03 | Water | 03/09/09 14:44 | 03/12/09 09:50 |
| MW-2D | T900212-04 | Water | 03/09/09 15:11 | 03/12/09 09:50 |
| MW-6D | T900212-05 | Water | 03/09/09 15:50 | 03/12/09 09:50 |
| MW-6S | T900212-06 | Water | 03/09/09 16:17 | 03/12/09 09:50 |
| MW-1 | T900212-07 | Water | 03/09/09 16:55 | 03/12/09 09:50 |
| MW-9LF | T900212-08 | Water | 03/10/09 08:08 | 03/12/09 09:50 |
| MW-11D | T900212-09 | Water | 03/10/09 08:49 | 03/12/09 09:50 |
| MW-7D | T900212-10 | Water | 03/10/09 09:24 | 03/12/09 09:50 |
| MW-9D | T900212-11 | Water | 03/10/09 10:28 | 03/12/09 09:50 |
| MW-9S | T900212-12 | Water | 03/10/09 11:04 | 03/12/09 09:50 |
| MW-4S | T900212-13 | Water | 03/10/09 12:08 | 03/12/09 09:50 |
| MW-4D | T900212-14 | Water | 03/10/09 12:48 | 03/12/09 09:50 |
| MW-7S | T900212-15 | Water | 03/10/09 13:30 | 03/12/09 09:50 |
| MW-8 | T900212-16 | Water | 03/10/09 14:07 | 03/12/09 09:50 |
| MW-5S | T900212-17 | Water | 03/10/09 14:41 | 03/12/09 09:50 |
| MW-5D | T900212-18 | Water | 03/10/09 15:11 | 03/12/09 09:50 |
| MW-3 | T900212-19 | Water | 03/10/09 15:49 | 03/12/09 09:50 |
| MW-11S | T900212-20 | Water | 03/10/09 16:32 | 03/12/09 09:50 |
| MW-11LF | T900212-21 | Water | 03/10/09 17:06 | 03/12/09 09:50 |
| MW-12S | T900212-22 | Water | 03/11/09 07:56 | 03/12/09 09:50 |
| MW-12D | T900212-23 | Water | 03/11/09 08:45 | 03/12/09 09:50 |
| MW-12LF | T900212-24 | Water | 03/11/09 09:27 | 03/12/09 09:50 |
| MW-10S | T900212-25 | Water | 03/11/09 10:10 | 03/12/09 09:50 |
| MW-10D | T900212-26 | Water | 03/11/09 10:45 | 03/12/09 09:50 |

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, Senior Project Coordinator

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

**25712 Commercentre Drive**
**Lake Forest, California 92630**
**949.297.5020 Phone**
**949.297.5027 Fax**

| | | |
|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| MW-1T | T900212-27 | Water | 03/11/09 10:50 | 03/12/09 09:50 |

SunStar Laboratories, Inc.

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Albert Vargas, Senior Project Coordinator

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

**25712 Commercentre Drive**
**Lake Forest, California 92630**
**949.297.5020 Phone**
**949.297.5027 Fax**

| | | |
|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-10LF

### T900212-01 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **160** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *109 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *113 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031301 | 03/13/09 | 03/15/09 | 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* | | *103 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *102 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *103 %* | *84.7-109* | | " | " | " | " | |

SunStar Laboratories, Inc.

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Albert Vargas, Senior Project Coordinator

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

**25712 Commercentre Drive**
**Lake Forest, California 92630**
**949.297.5020 Phone**
**949.297.5027 Fax**

| | | |
|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-2S

### T900212-02 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **59** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *95.4 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| **Diesel Range Hydrocarbons** | **9.8** | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | D-02 |
| *Surrogate: p-Terphenyl* | | *112 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031301 | 03/13/09 | 03/15/09 | 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** | **31** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *108 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *106 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *102 %* | *84.7-109* | | " | " | " | " | |

SunStar Laboratories, Inc.

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Albert Vargas, Senior Project Coordinator

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

**25712 Commercentre Drive**
**Lake Forest, California 92630**
**949.297.5020 Phone**
**949.297.5027 Fax**

| | | |
|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-2M

### T900212-03 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **240** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *97.0 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| **Diesel Range Hydrocarbons** | **1.9** | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | D-02 |
| *Surrogate: p-Terphenyl* | | *115 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031301 | 03/13/09 | 03/15/09 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| **Ethylbenzene** | **1.6** | 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** | **15** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *110 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *101 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *105 %* | *84.7-109* | | " | " | " | " | |

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| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-2D

### T900212-04 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **98** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *106 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| **Diesel Range Hydrocarbons** | **1.5** | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | D-02 |
| *Surrogate: p-Terphenyl* | | *113 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031301 | 03/13/09 | 03/15/09 | 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** | **21** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *111 %* | *77.1-110* | | " | " | " | " | *S-GC* |
| *Surrogate: Dibromofluoromethane* | | *102 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *103 %* | *84.7-109* | | " | " | " | " | |

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| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-6D

### T900212-05 (Water)

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **120** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *114 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *115 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031301 | 03/13/09 | 03/15/09 | 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** | **43** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *110 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *104 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *102 %* | *84.7-109* | | " | " | " | " | |

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| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-6S

### T900212-06 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **290** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *105 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| **Diesel Range Hydrocarbons** | **0.27** | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | D-08 |
| *Surrogate: p-Terphenyl* | | *111 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031301 | 03/13/09 | 03/15/09 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| **Ethylbenzene** | **0.96** | 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** | **100** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *106 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *100 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *102 %* | *84.7-109* | | " | " | " | " | |

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| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-1

### T900212-07 (Water)

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **100** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *101 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *120 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031301 | 03/13/09 | 03/14/09 | 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* | | *106 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *105 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *103 %* | *84.7-109* | | " | " | " | " | |

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| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-9LF

**T900212-08 (Water)**

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **72** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *120 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *114 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031301 | 03/13/09 | 03/14/09 | 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* | | *102 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *105 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *101 %* | *84.7-109* | | " | " | " | " | |

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| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-11D

### T900212-09 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **23000** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *175 %* | *72.6-146* | | " | " | " | " | *S-GRO* |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| **Diesel Range Hydrocarbons** | **100** | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *130 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| **Benzene** | **1.8** | 0.50 | ug/l | 1 | 9031301 | 03/13/09 | 03/15/09 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| **Ethylbenzene** | **5.7** | 0.50 | " | " | " | " | " | " | |
| **m,p-Xylene** | **7.5** | 1.0 | " | " | " | " | " | " | |
| **o-Xylene** | **1.5** | 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** | **15** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *168 %* | *77.1-110* | | " | " | " | " | *S-GC* |
| *Surrogate: Dibromofluoromethane* | | *103 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *106 %* | *84.7-109* | | " | " | " | " | |

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| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-7D

### T900212-10 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **7600** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *112 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| **Diesel Range Hydrocarbons** | **1.2** | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | D-08 |
| *Surrogate: p-Terphenyl* | | *121 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| **Benzene** | **47** | 0.50 | ug/l | 1 | 9031301 | 03/13/09 | 03/16/09 | EPA 8260B | |
| **Toluene** | **45** | 0.50 | " | " | " | " | " | " | |
| **Ethylbenzene** | **530** | 12 | " | 25 | " | " | 03/16/09 | " | |
| **m,p-Xylene** | **290** | 25 | " | " | " | " | " | " | |
| **o-Xylene** | **20** | 0.50 | " | 1 | " | " | 03/16/09 | " | |
| 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* | | *94.4 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *98.6 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *105 %* | *84.7-109* | | " | " | " | " | |

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| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-9D

### T900212-11 (Water)

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **19000** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *106 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| **Diesel Range Hydrocarbons** | **2.8** | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | D-08 |
| *Surrogate: p-Terphenyl* | | *120 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| **Benzene** | **550** | 25 | ug/l | 50 | 9031302 | 03/13/09 | 03/16/09 | EPA 8260B | |
| **Toluene** | **660** | 25 | " | " | " | " | " | " | |
| **Ethylbenzene** | **1400** | 25 | " | " | " | " | " | " | |
| **m,p-Xylene** | **1400** | 50 | " | " | " | " | " | " | |
| **o-Xylene** | **550** | 25 | " | " | " | " | " | " | |
| Tert-amyl methyl ether | ND | 2.0 | " | 1 | " | " | 03/16/09 | " | |
| 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* | | *89.0 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *97.5 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *107 %* | *84.7-109* | | " | " | " | " | |

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| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-9S

### T900212-12 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **140** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *113 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | D-08 |
| *Surrogate: p-Terphenyl* | | *121 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/14/09 | EPA 8260B | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 1.0 | " | " | " | " | " | " | |
| **o-Xylene** | **3.0** | 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* | | *106 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *108 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *105 %* | *84.7-109* | | " | " | " | " | |

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SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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**949.297.5020 Phone**
**949.297.5027 Fax**

| | | |
|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-4S

### T900212-13 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *106 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *120 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/14/09 | 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* | | *103 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *106 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *103 %* | *84.7-109* | | " | " | " | " | |

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| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-4D

### T900212-14 (Water)

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **75** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *118 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *119 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/14/09 | 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* | | *104 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *108 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *103 %* | *84.7-109* | | " | " | " | " | |

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|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-7S

### T900212-15 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *110 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *118 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/15/09 | 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* | | *106 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *100 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *102 %* | *84.7-109* | | " | " | " | " | |

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| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-8

### T900212-16 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *108 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *113 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/14/09 | 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* | | *104 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *109 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *103 %* | *84.7-109* | | " | " | " | " | |

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| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-5S

### T900212-17 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *104 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| **Diesel Range Hydrocarbons** | **0.22** | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | D-35 |
| *Surrogate: p-Terphenyl* | | *117 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/15/09 | 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** | **2.4** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *113 %* | *77.1-110* | | " | " | " | " | *S-GC* |
| *Surrogate: Dibromofluoromethane* | | *104 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *103 %* | *84.7-109* | | " | " | " | " | |

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|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-5D

### T900212-18 (Water)

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **55** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *108 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *114 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/15/09 | 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** | **2.3** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *107 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *102 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *101 %* | *84.7-109* | | " | " | " | " | |

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| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-3

### T900212-19 (Water)

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **78** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *110 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *116 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/15/09 | 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** | **45** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *104 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *101 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *103 %* | *84.7-109* | | " | " | " | " | |

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|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-11S

### T900212-20 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **51** | 50 | ug/l | 1 | 9031218 | 03/12/09 | 03/13/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *113 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031303 | 03/13/09 | 03/15/09 | EPA 8015C | D-35 |
| *Surrogate: p-Terphenyl* | | *114 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/15/09 | 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** | **1.8** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *105 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *104 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *101 %* | *84.7-109* | | " | " | " | " | |

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|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-11LF

### T900212-21 (Water)

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 9031219 | 03/12/09 | 03/12/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *105 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031304 | 03/13/09 | 03/14/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *109 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/14/09 | 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** | **200** | 1.0 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *102 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *106 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *102 %* | *84.7-109* | | " | " | " | " | |

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|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-12S

### T900212-22 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 9031219 | 03/12/09 | 03/12/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *122 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031304 | 03/13/09 | 03/14/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *104 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/14/09 | 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* | | *100 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *106 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *101 %* | *84.7-109* | | " | " | " | " | |

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|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-12D

**T900212-23 (Water)**

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 9031219 | 03/12/09 | 03/12/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *113 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031304 | 03/13/09 | 03/14/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *119 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/14/09 | 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* | | *97.6 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *104 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *102 %* | *84.7-109* | | " | " | " | " | |

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|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-12LF

### T900212-24 (Water)

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 9031219 | 03/12/09 | 03/12/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *121 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031304 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *105 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/14/09 | 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* | | *99.9 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *112 %* | *66.3-111* | | " | " | " | " | *S-GC* |
| *Surrogate: Toluene-d8* | | *102 %* | *84.7-109* | | " | " | " | " | |

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|---|---|---|
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| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-10S

### T900212-25 (Water)

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 9031219 | 03/12/09 | 03/12/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *102 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031304 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *103 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/14/09 | 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* | | *97.5 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *109 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *103 %* | *84.7-109* | | " | " | " | " | |

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|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-10D

### T900212-26 (Water)

### SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| **C6-C12 (GRO)** | **640** | 50 | ug/l | 1 | 9031219 | 03/12/09 | 03/12/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *102 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031304 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *109 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/15/09 | 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* | | *107 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *106 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *103 %* | *84.7-109* | | " | " | " | " | |

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| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## MW-1T

### T900212-27 (Water)

**SunStar Laboratories, Inc.**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Purgeable Petroleum Hydrocarbons by EPA 8015C** | | | | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | 1 | 9031219 | 03/12/09 | 03/12/09 | EPA 8015C | |
| *Surrogate: 4-Bromofluorobenzene* | | *119 %* | *72.6-146* | | " | " | " | " | |
| **Extractable Petroleum Hydrocarbons by 8015C** | | | | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | 1 | 9031304 | 03/13/09 | 03/15/09 | EPA 8015C | |
| *Surrogate: p-Terphenyl* | | *113 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 9031302 | 03/13/09 | 03/14/09 | 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* | | *102 %* | *77.1-110* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *104 %* | *66.3-111* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *101 %* | *84.7-109* | | " | " | " | " | |

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Providing Quality Analytical Services Nationwide

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|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control

## SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 9031218 - EPA 5030 GC** | | | | | | | | | | |
| **Blank (9031218-BLK1)** | | | | Prepared: 03/12/09 Analyzed: 03/13/09 | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *198* | | *"* | *200* | | *99.2* | *72.6-146* | | | |
| **LCS (9031218-BS1)** | | | | Prepared: 03/12/09 Analyzed: 03/13/09 | | | | | | |
| C6-C12 (GRO) | 5440 | 50 | ug/l | 5500 | | 98.9 | 75-125 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *191* | | *"* | *200* | | *95.7* | *72.6-146* | | | |
| **LCS Dup (9031218-BSD1)** | | | | Prepared: 03/12/09 Analyzed: 03/13/09 | | | | | | |
| C6-C12 (GRO) | 5070 | 50 | ug/l | 5500 | | 92.1 | 75-125 | 7.13 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *184* | | *"* | *200* | | *92.2* | *72.6-146* | | | |
| **Batch 9031219 - EPA 5030 GC** | | | | | | | | | | |
| **Blank (9031219-BLK1)** | | | | Prepared & Analyzed: 03/12/09 | | | | | | |
| C6-C12 (GRO) | ND | 50 | ug/l | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *213* | | *"* | *200* | | *106* | *72.6-146* | | | |
| **LCS (9031219-BS1)** | | | | Prepared & Analyzed: 03/12/09 | | | | | | |
| C6-C12 (GRO) | 5650 | 50 | ug/l | 5500 | | 103 | 75-125 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *196* | | *"* | *200* | | *98.0* | *72.6-146* | | | |
| **LCS Dup (9031219-BSD1)** | | | | Prepared & Analyzed: 03/12/09 | | | | | | |
| C6-C12 (GRO) | 5490 | 50 | ug/l | 5500 | | 99.9 | 75-125 | 2.75 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *174* | | *"* | *200* | | *87.2* | *72.6-146* | | | |

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|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## Extractable Petroleum Hydrocarbons by 8015C - Quality Control

## SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 9031303 - EPA 3510C GC** | | | | | | | | | | |
| **Blank (9031303-BLK1)** | | | | Prepared: 03/13/09 Analyzed: 03/15/09 | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | | | | | | | |
| *Surrogate: p-Terphenyl* | *4.47* | | *"* | *4.00* | | *112* | *65-135* | | | |
| **LCS (9031303-BS1)** | | | | Prepared: 03/13/09 Analyzed: 03/15/09 | | | | | | |
| Diesel Range Hydrocarbons | 16.1 | 0.050 | mg/l | 20.0 | | 80.4 | 75-125 | | | |
| *Surrogate: p-Terphenyl* | *4.49* | | *"* | *4.00* | | *112* | *65-135* | | | |
| **LCS Dup (9031303-BSD1)** | | | | Prepared: 03/13/09 Analyzed: 03/15/09 | | | | | | |
| Diesel Range Hydrocarbons | 15.4 | 0.050 | mg/l | 20.0 | | 77.0 | 75-125 | 4.37 | 20 | |
| *Surrogate: p-Terphenyl* | *4.36* | | *"* | *4.00* | | *109* | *65-135* | | | |
| **Batch 9031304 - EPA 3510C GC** | | | | | | | | | | |
| **Blank (9031304-BLK1)** | | | | Prepared: 03/13/09 Analyzed: 03/14/09 | | | | | | |
| Diesel Range Hydrocarbons | ND | 0.050 | mg/l | | | | | | | |
| *Surrogate: p-Terphenyl* | *4.49* | | *"* | *4.00* | | *112* | *65-135* | | | |
| **LCS (9031304-BS1)** | | | | Prepared: 03/13/09 Analyzed: 03/14/09 | | | | | | |
| Diesel Range Hydrocarbons | 16.3 | 0.050 | mg/l | 20.0 | | 81.4 | 75-125 | | | |
| *Surrogate: p-Terphenyl* | *4.20* | | *"* | *4.00* | | *105* | *65-135* | | | |
| **LCS Dup (9031304-BSD1)** | | | | Prepared: 03/13/09 Analyzed: 03/14/09 | | | | | | |
| Diesel Range Hydrocarbons | 16.1 | 0.050 | mg/l | 20.0 | | 80.4 | 75-125 | 1.28 | 20 | |
| *Surrogate: p-Terphenyl* | *4.20* | | *"* | *4.00* | | *105* | *65-135* | | | |

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, Senior Project Coordinator

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

**25712 Commercentre Drive**
**Lake Forest, California 92630**
**949.297.5020 Phone**
**949.297.5027 Fax**

| | | |
|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## 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 9031301 - EPA 5030 GCMS** | | | | | | | | | | |
| **Blank (9031301-BLK1)** | | | | Prepared: 03/13/09 Analyzed: 03/14/09 | | | | | | |
| Chlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 1.0 | " | | | | | | | |
| Trichloroethene | ND | 1.0 | " | | | | | | | |
| 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 | " | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *8.15* | | *"* | *8.00* | | *102* | *77.1-110* | | | |
| *Surrogate: Dibromofluoromethane* | *7.86* | | *"* | *8.00* | | *98.2* | *66.3-111* | | | |
| *Surrogate: Toluene-d8* | *7.96* | | *"* | *8.00* | | *99.5* | *84.7-109* | | | |
| **LCS (9031301-BS1)** | | | | Prepared: 03/13/09 Analyzed: 03/15/09 | | | | | | |
| Chlorobenzene | 19.0 | 1.0 | ug/l | 20.0 | | 94.8 | 75-125 | | | |
| 1,1-Dichloroethene | 22.6 | 1.0 | " | 20.0 | | 113 | 75-125 | | | |
| Trichloroethene | 21.6 | 1.0 | " | 20.0 | | 108 | 75-125 | | | |
| Benzene | 21.0 | 0.50 | " | 20.0 | | 105 | 75-125 | | | |
| Toluene | 21.6 | 0.50 | " | 20.0 | | 108 | 75-125 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *7.52* | | *"* | *8.00* | | *94.0* | *77.1-110* | | | |
| *Surrogate: Dibromofluoromethane* | *8.61* | | *"* | *8.00* | | *108* | *66.3-111* | | | |
| *Surrogate: Toluene-d8* | *8.17* | | *"* | *8.00* | | *102* | *84.7-109* | | | |
| **LCS Dup (9031301-BSD1)** | | | | Prepared: 03/13/09 Analyzed: 03/15/09 | | | | | | |
| Chlorobenzene | 19.8 | 1.0 | ug/l | 20.0 | | 99.0 | 75-125 | 4.33 | 20 | |
| 1,1-Dichloroethene | 22.7 | 1.0 | " | 20.0 | | 114 | 75-125 | 0.397 | 20 | |
| Trichloroethene | 21.8 | 1.0 | " | 20.0 | | 109 | 75-125 | 1.06 | 20 | |
| Benzene | 21.3 | 0.50 | " | 20.0 | | 107 | 75-125 | 1.51 | 20 | |
| Toluene | 21.7 | 0.50 | " | 20.0 | | 109 | 75-125 | 0.554 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *7.78* | | *"* | *8.00* | | *97.2* | *77.1-110* | | | |
| *Surrogate: Dibromofluoromethane* | *8.30* | | *"* | *8.00* | | *104* | *66.3-111* | | | |
| *Surrogate: Toluene-d8* | *8.14* | | *"* | *8.00* | | *102* | *84.7-109* | | | |

SunStar Laboratories, Inc.

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Albert Vargas, Senior Project Coordinator

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

**25712 Commercentre Drive**
**Lake Forest, California 92630**
**949.297.5020 Phone**
**949.297.5027 Fax**

| | | |
|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## 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 9031301 - EPA 5030 GCMS** | | | | | | | | | | |
| **Batch 9031302 - EPA 5030 GCMS** | | | | | | | | | | |
| **Blank (9031302-BLK1)** | | | | Prepared: 03/13/09 Analyzed: 03/14/09 | | | | | | |
| Chlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | " | | | | | | | |
| 1,1-Dichloroethene | ND | 1.0 | " | | | | | | | |
| Trichloroethene | ND | 1.0 | " | | | | | | | |
| 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 | " | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *8.10* | | *"* | *8.00* | | *101* | *77.1-110* | | | |
| *Surrogate: Dibromofluoromethane* | *8.09* | | *"* | *8.00* | | *101* | *66.3-111* | | | |
| *Surrogate: Toluene-d8* | *8.06* | | *"* | *8.00* | | *101* | *84.7-109* | | | |
| **LCS (9031302-BS1)** | | | | Prepared: 03/13/09 Analyzed: 03/15/09 | | | | | | |
| Chlorobenzene | 19.8 | 1.0 | ug/l | 20.0 | | 98.9 | 75-125 | | | |
| 1,1-Dichloroethene | 22.7 | 1.0 | " | 20.0 | | 113 | 75-125 | | | |
| Trichloroethene | 22.5 | 1.0 | " | 20.0 | | 113 | 75-125 | | | |
| Benzene | 21.4 | 0.50 | " | 20.0 | | 107 | 75-125 | | | |
| Toluene | 21.5 | 0.50 | " | 20.0 | | 108 | 75-125 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *7.86* | | *"* | *8.00* | | *98.2* | *77.1-110* | | | |
| *Surrogate: Dibromofluoromethane* | *8.35* | | *"* | *8.00* | | *104* | *66.3-111* | | | |
| *Surrogate: Toluene-d8* | *8.22* | | *"* | *8.00* | | *103* | *84.7-109* | | | |

SunStar Laboratories, Inc.

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Albert Vargas, Senior Project Coordinator

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**949.297.5020 Phone**
**949.297.5027 Fax**

| | | |
|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## 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 9031302 - EPA 5030 GCMS** | | | | | | | | | | |
| **LCS Dup (9031302-BSD1)** | | | | Prepared: 03/13/09 Analyzed: 03/15/09 | | | | | | |
| Chlorobenzene | 20.6 | 1.0 | ug/l | 20.0 | | 103 | 75-125 | 4.06 | 20 | |
| 1,1-Dichloroethene | 23.1 | 1.0 | " | 20.0 | | 115 | 75-125 | 1.66 | 20 | |
| Trichloroethene | 22.3 | 1.0 | " | 20.0 | | 112 | 75-125 | 0.848 | 20 | |
| Benzene | 21.8 | 0.50 | " | 20.0 | | 109 | 75-125 | 1.62 | 20 | |
| Toluene | 22.0 | 0.50 | " | 20.0 | | 110 | 75-125 | 2.30 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *8.24* | | *"* | *8.00* | | *103* | *77.1-110* | | | |
| *Surrogate: Dibromofluoromethane* | *8.03* | | *"* | *8.00* | | *100* | *66.3-111* | | | |
| *Surrogate: Toluene-d8* | *8.32* | | *"* | *8.00* | | *104* | *84.7-109* | | | |

SunStar Laboratories, Inc.

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Albert Vargas, Senior Project Coordinator

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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**Lake Forest, California 92630**
**949.297.5020 Phone**
**949.297.5027 Fax**

| | | |
|---|---|---|
| Tait Environmental | Project: Mission Valley Rock | |
| 701 N. Parkcenter Drive | Project Number: EM5009D | **Reported:** |
| Santa Ana CA, 92705 | Project Manager: Paul McCarter | 03/19/09 15:35 |

## Notes and Definitions

| | |
|---|---|
| S-GRO | Surrogate recovery high due to co-elution with gasoline range organics. Surrogate recovery for associated blank is within acceptance limits. |
| S-GC | Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s). |
| D-35 | Sample does not display a fuel pattern. Sample contains several discreet peaks. |
| D-08 | Results in the diesel organics range are primarily due to overlap from a gasoline range product. |
| 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.
3002 Dow Ave., Ste. 212
Tustin, CA 92780
714-505-4010

# Chain of Custody Record

Client: TAIT ENVIRONMENTAL
Address: 701 N. PARK CENTER DR.
Phone: 714-560-8600 Fax:
Project Manager: PAUL MCARTER

Date: 3-11-09 Page: 1 Of 2
Project Name: MISSION VALLEY ROCK
Collector: JORGE ARMENDARIZ Client Project #: 5M50090
Batch #: T900212

COC 72724

| Sample ID | Date Sampled | Time | Sample Type | Container Type | 8260 | 8260 + OXY | 8260 BTEX, OXY only | 8270 | 8021 BTEX | 8015M (gasoline) | 8015M (diesel) | 8015M Ext./Carbon Chain | 6010/7000 Title 22 Metals | | | | | Laboratory ID # | Comments/Preservative | Total # of containers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-10LF | 3-9-09 | 1325 | WATER | VOA | | | X | | | X | X | | | | | | 01 | Y | | 5 |
| MW-2S | | 1415 | | | | | X | | | X | X | | | | | | 02 | | | |
| MW-2M | | 1444 | | | | | X | | | X | X | | | | | | 03 | | | |
| MW-2D | | 1511 | | | | | X | | | X | X | | | | | | 04 | | | |
| MW-6D | | 1550 | | | | | X | | | X | X | | | | | | 05 | | | |
| MW-6S | | 1617 | | | | | X | | | X | X | | | | | | 06 | | | |
| MW-1 | | 1655 | | | | | X | | | X | X | | | | | | 07 | | | |
| MW-9LF | 3-10-09 | 0808 | | | | | X | | | X | X | | | | | | 08 | | | |
| MW-11D | | 0849 | | | | | X | | | X | X | | | | | | 09 | | | |
| MW-7D | | 0924 | | | | | X | | | X | X | | | | | | 10 | | | |
| MW-9D | | 1028 | | | | | X | | | X | X | | | | | | 11 | | | |
| MW-9S | | 1104 | | | | | X | | | X | X | | | | | | 12 | | | |
| MW-4S | | 1208 | | | | | X | | | X | X | | | | | | 13 | | | |
| MW-4D | | 1248 | | | | | X | | | X | X | | | | | | 14 | | | |
| MW-7S | | 1330 | | | | | X | | | X | X | | | | | | 15 | | | |

| | | | |
|---|---|---|---|
| Relinquished by: (signature) | Date / Time | Received by: (signature) | Date / Time |
| Jorge Armendariz | 3-11-09 251 | | |
| Relinquished by: (signature) | Date / Time | Received by: (signature) | Date / Time |
| | | | 3/11 251 |
| Relinquished by: (signature) | Date / Time | Received by: (signature) | Date / Time |
| | | | 3/12/09 950 |

Total # of containers: 75
Chain of Custody seals Y/N/NA: Y
Seals intact? Y/N/NA: Y
Received good condition/cold: Y

**Turn around time:** STD

Notes
PROVIDE EDF
DIESEL REPORTING LIMIT
50 mg/l.

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

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

# Chain of Custody Record

Client: TAIT ENVIRONMENTAL
Address: 701 N. PARK CENTER DR.
Phone: 714-560-8600 Fax:
Project Manager: PAUL MONTEZ

Date: 3-11-09 Page: 2 Of 2
Project Name: MISSION VALLEY ROCK
Collector: JORGE ARMENDARIZ Client Project #: 5M50090
Batch #: T900212

COC 72723

| Sample ID | Date Sampled | Time | Sample Type | Container Type | 8260 | 8260 + OXY | 8260 BTEX, OXY only | 8270 | 8021 BTEX | 8015M (gasoline) | 8015M (diesel) | 8015M Ext./Carbon Chain | 6010/7000 Title 22 Metals | | | | | Laboratory ID # | Comments/Preservative | Total # of containers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-8 | 3-10-09 | 1407 | WATER | VOA | | | X | | | X | X | | | | | | 16 | | | 5 |
| MW-5S | | 1441 | | | | | X | | | X | X | | | | | | 17 | | | |
| MW-5D | | 1511 | | | | | X | | | X | X | | | | | | 18 | | | |
| MW-3 | | 1549 | | | | | X | | | X | X | | | | | | 19 | | | |
| MW-11S | | 1632 | | | | | X | | | X | X | | | | | | 20 | | | |
| MW-11LF | | 1706 | | | | | X | | | X | X | | | | | | 21 | | | |
| MW-12S | 3-11-09 | 0756 | | | | | X | | | X | X | | | | | | 22 | | | |
| MW-12D | | 0845 | | | | | X | | | X | X | | | | | | 23 | | | |
| MW-12LF | | 0927 | | | | | X | | | X | X | | | | | | 24 | | | |
| MW-10S | | 1010 | | | | | X | | | X | X | | | | | | 25 | | | |
| MW-10D | | 1045 | | | | | X | | | X | X | | | | | | 26 | | | |
| MW-17 | | 1050 | | | | | X | | | X | X | | | | | | 27 | | | |

| Relinquished by: (signature) | Date / Time | Received by: (signature) | Date / Time |
|---|---|---|---|
| Jorge Armendariz | 3/11/09 251 | | 251 |
| Relinquished by: (signature) | Date / Time | Received by: (signature) | Date / Time |
| | | | |
| Relinquished by: (signature) | Date / Time | Received by: (signature) | Date / Time |
| | | | 3/12/09 950 |

Total # of containers 56 60
Chain of Custody seals Y/N/NA Y
Seals intact? Y/N/NA Y
Received good condition/cold Y

Turn around time: STD

Notes
PROVIDE EDF
DIESEL REPORTING LIMIT
50 mg/l

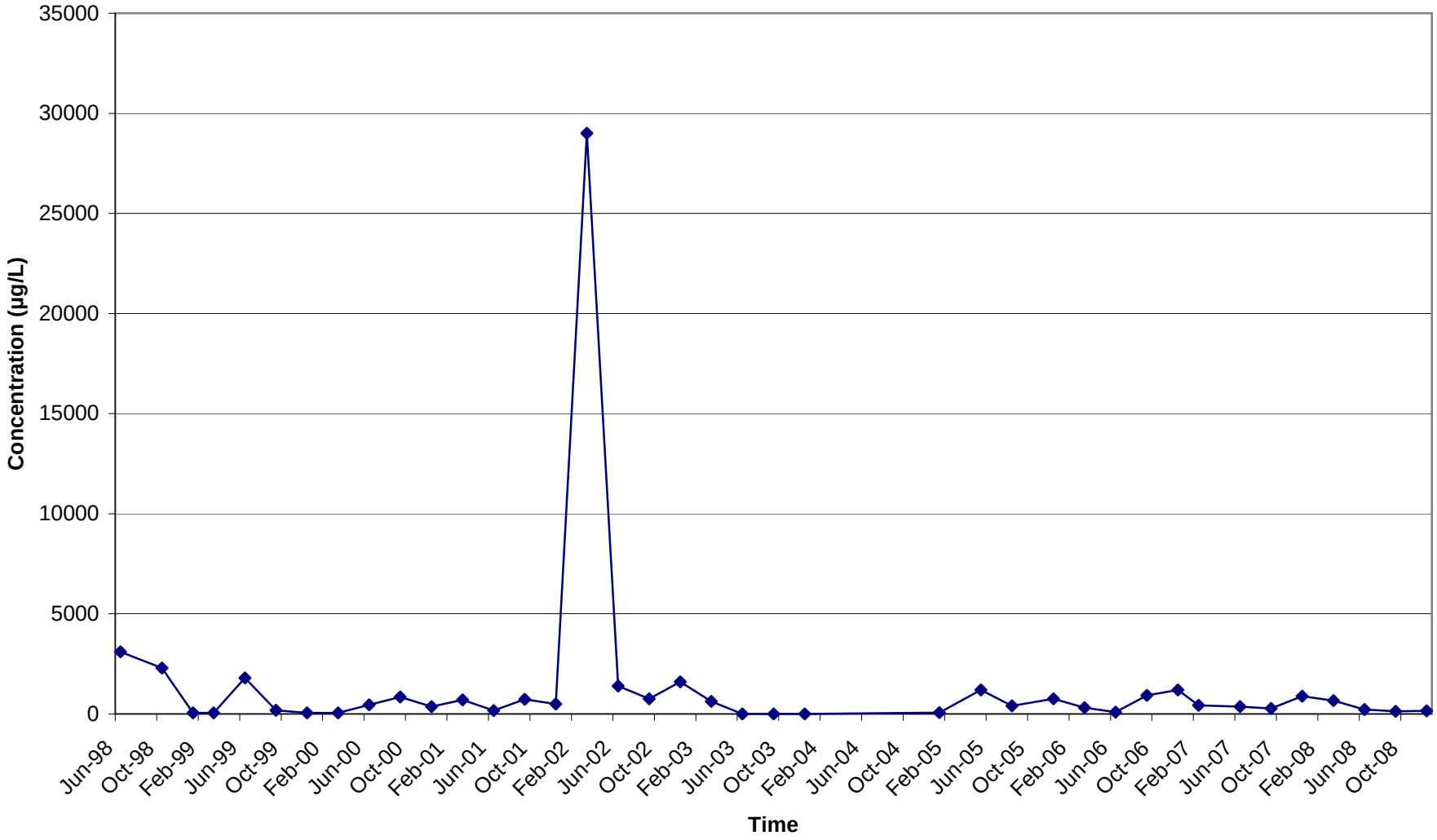
Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

# APPENDIX F

# TIME-CONCENTRATION PLOTS

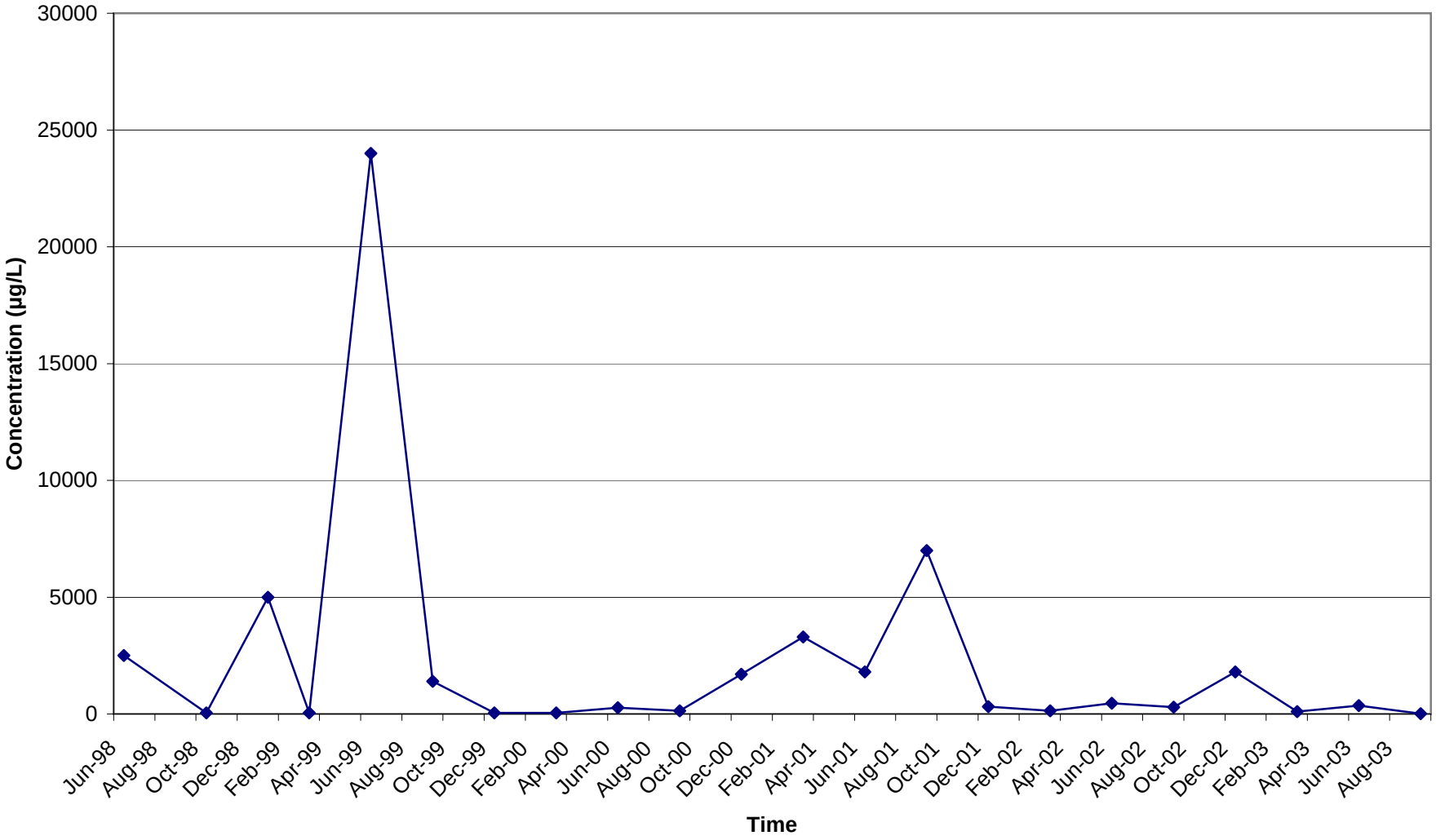
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-1)

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



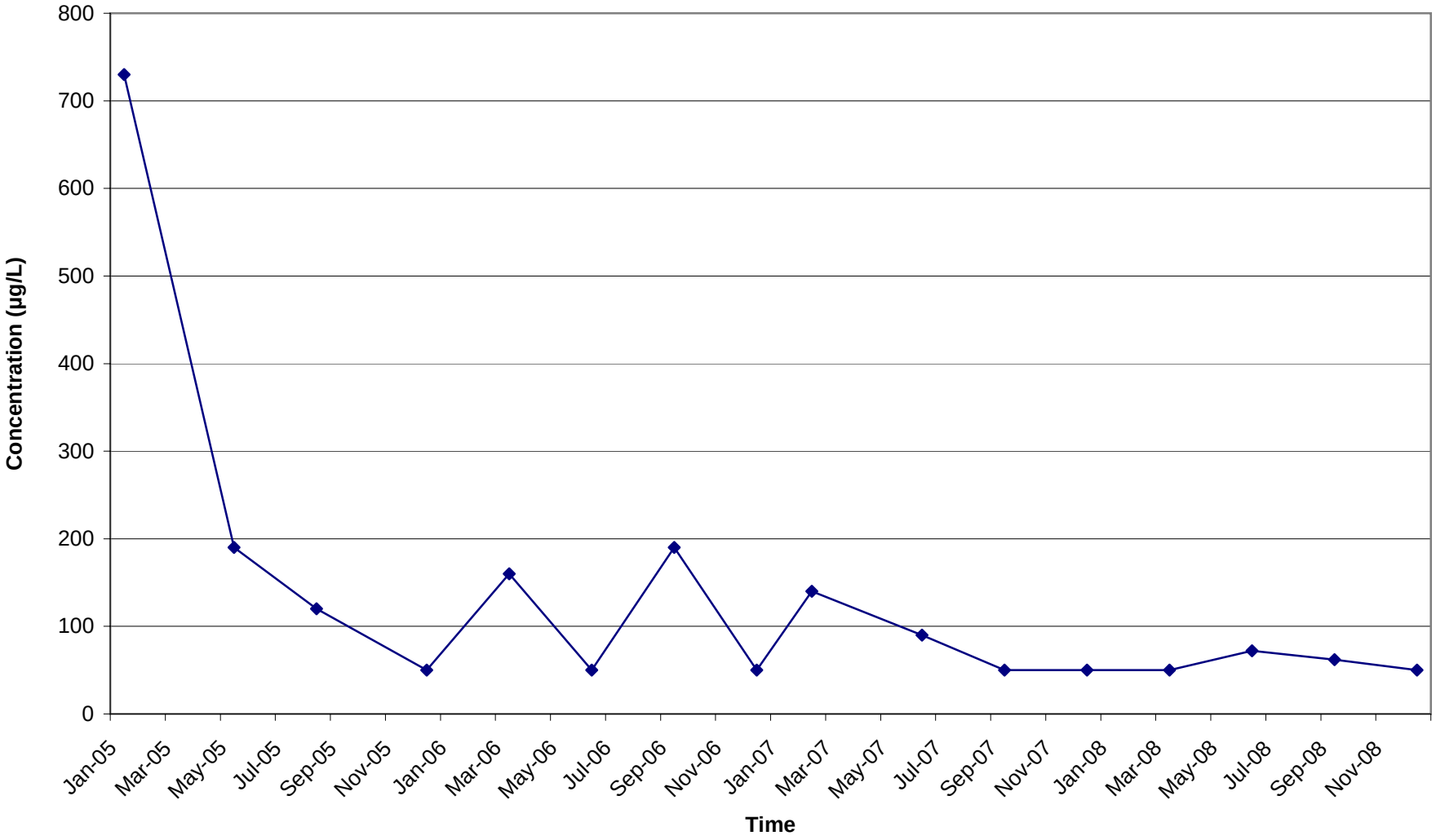
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-2)

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



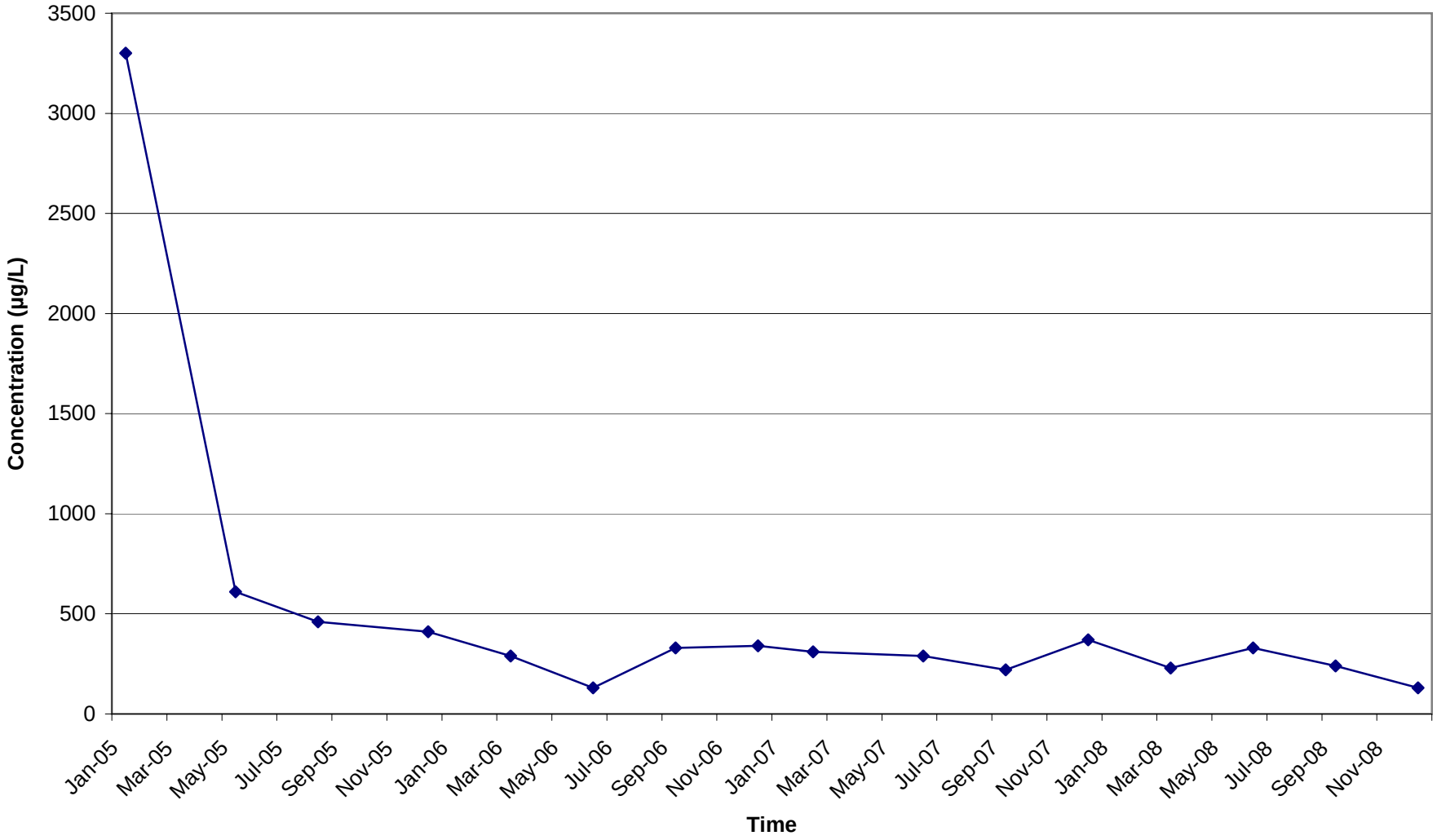
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-2S)

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



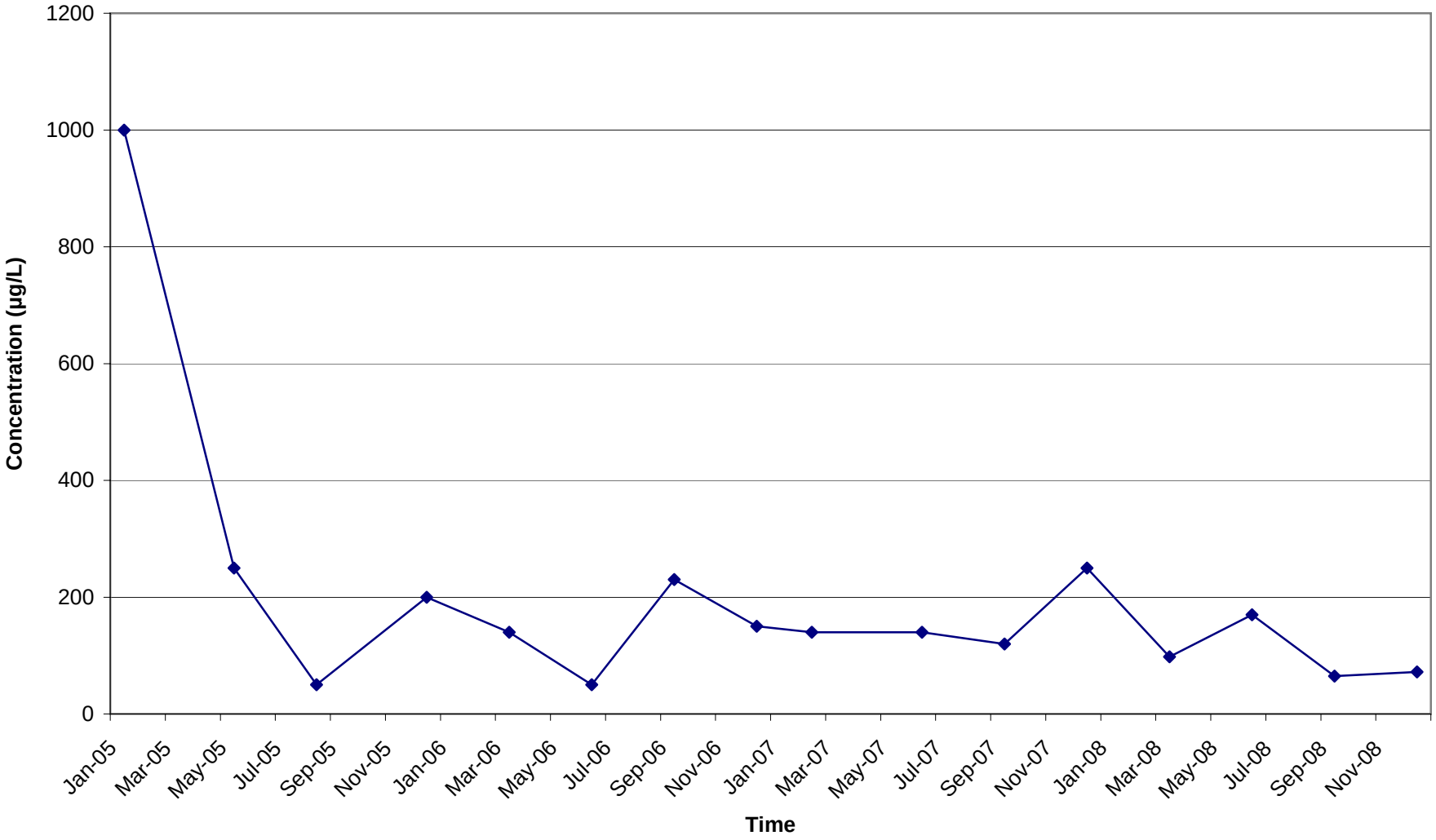
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-2M)

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



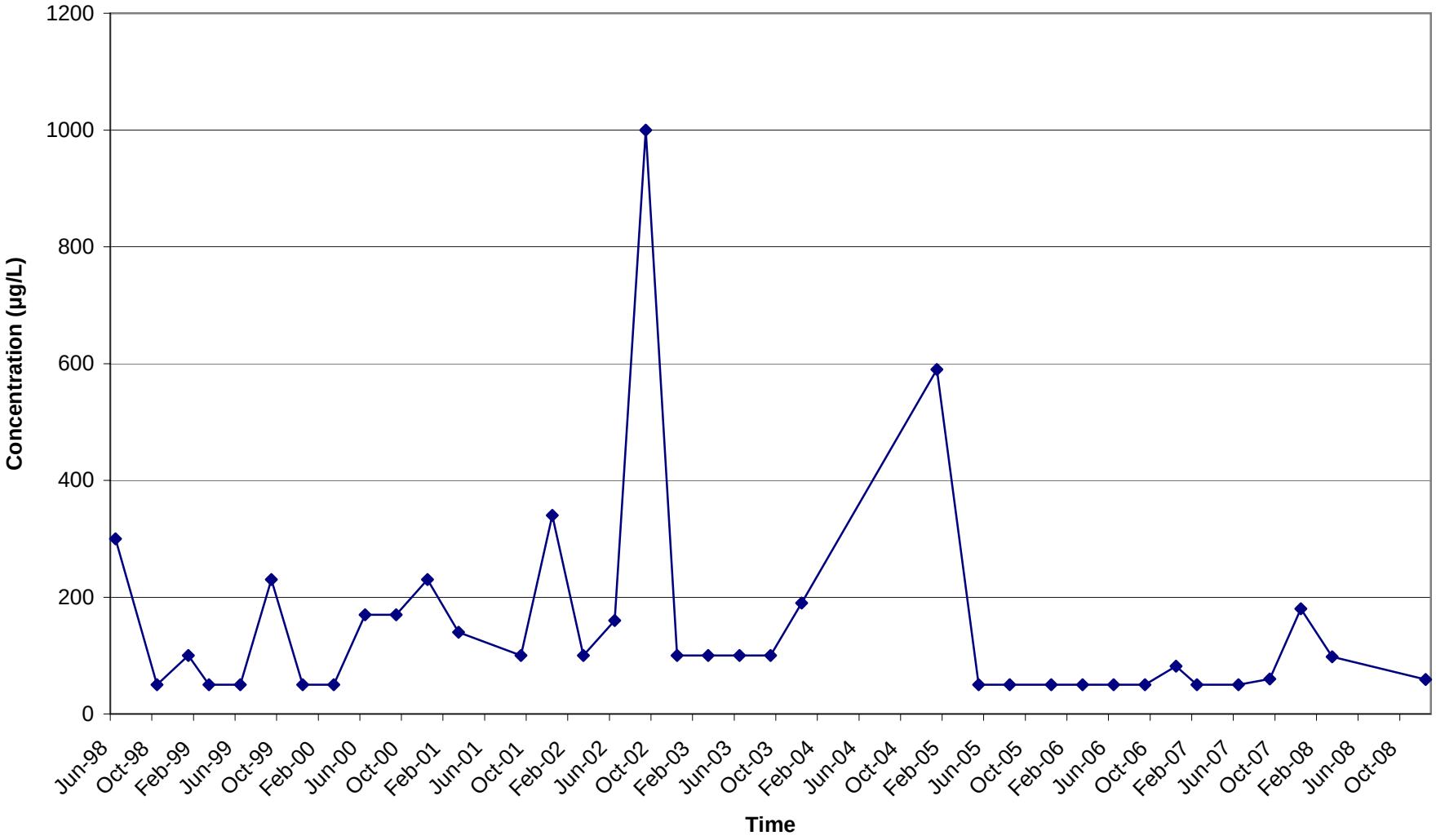
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-2D)

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



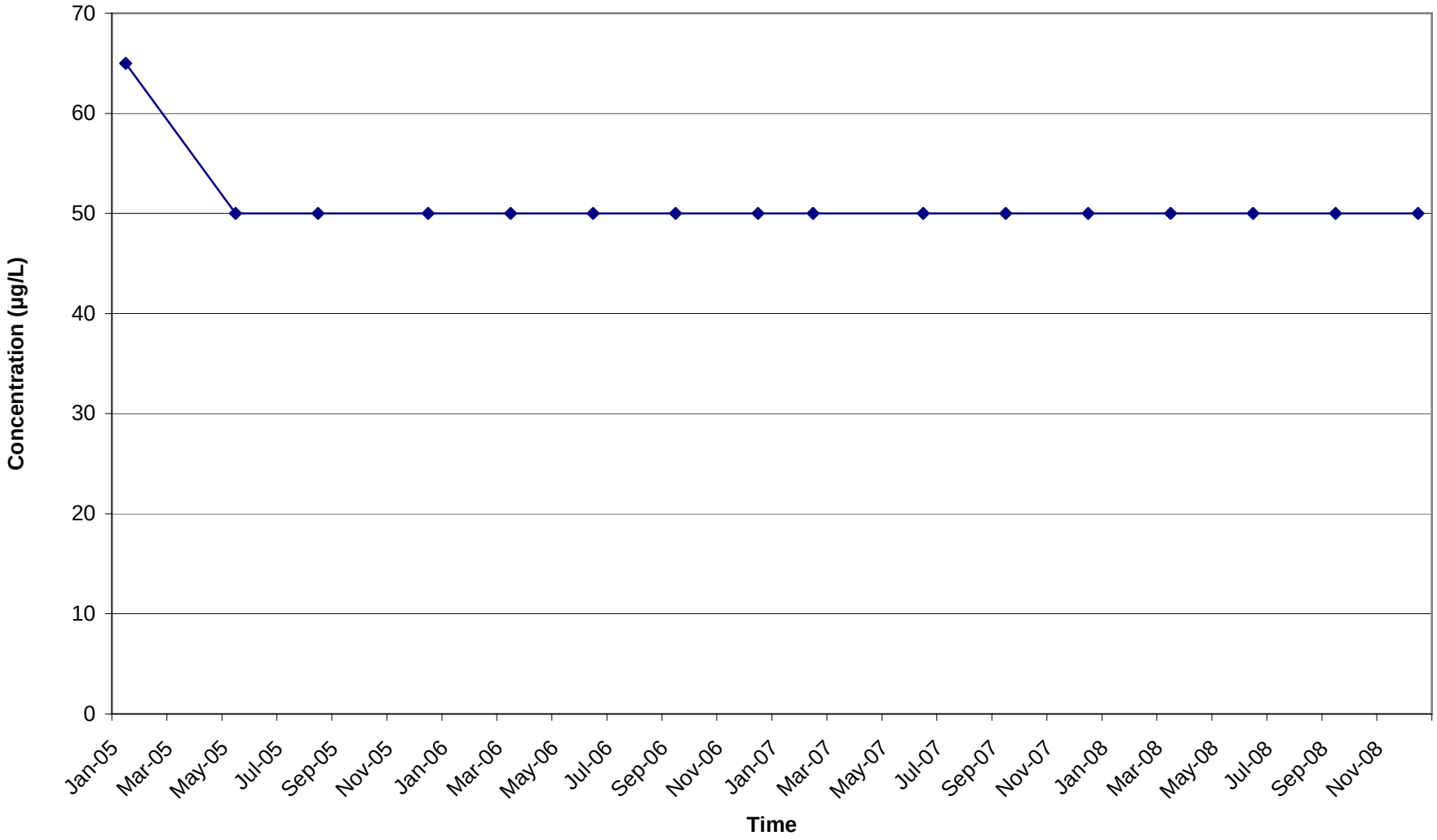
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-3)

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



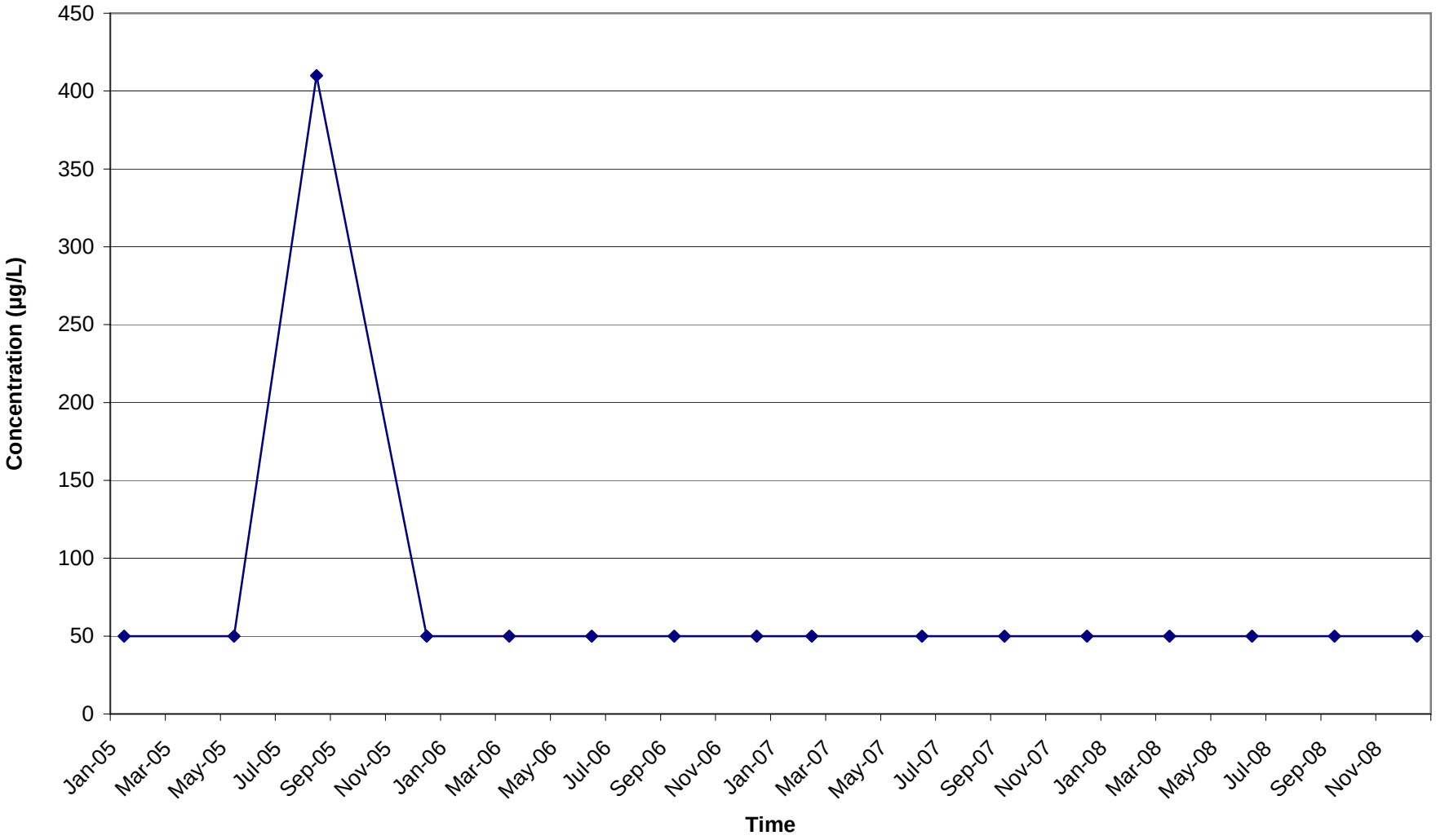
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-4S)

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



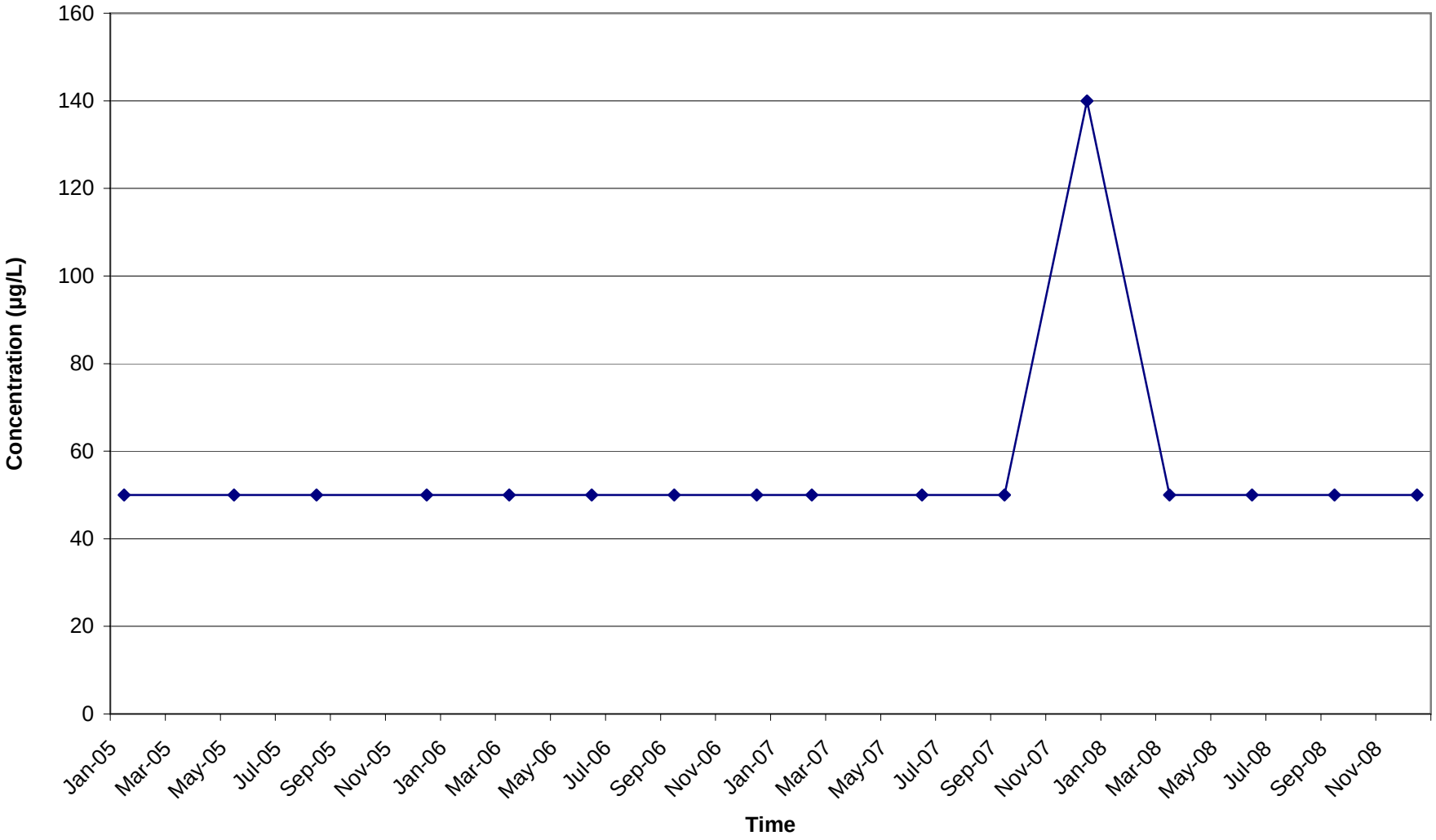
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-4D)

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



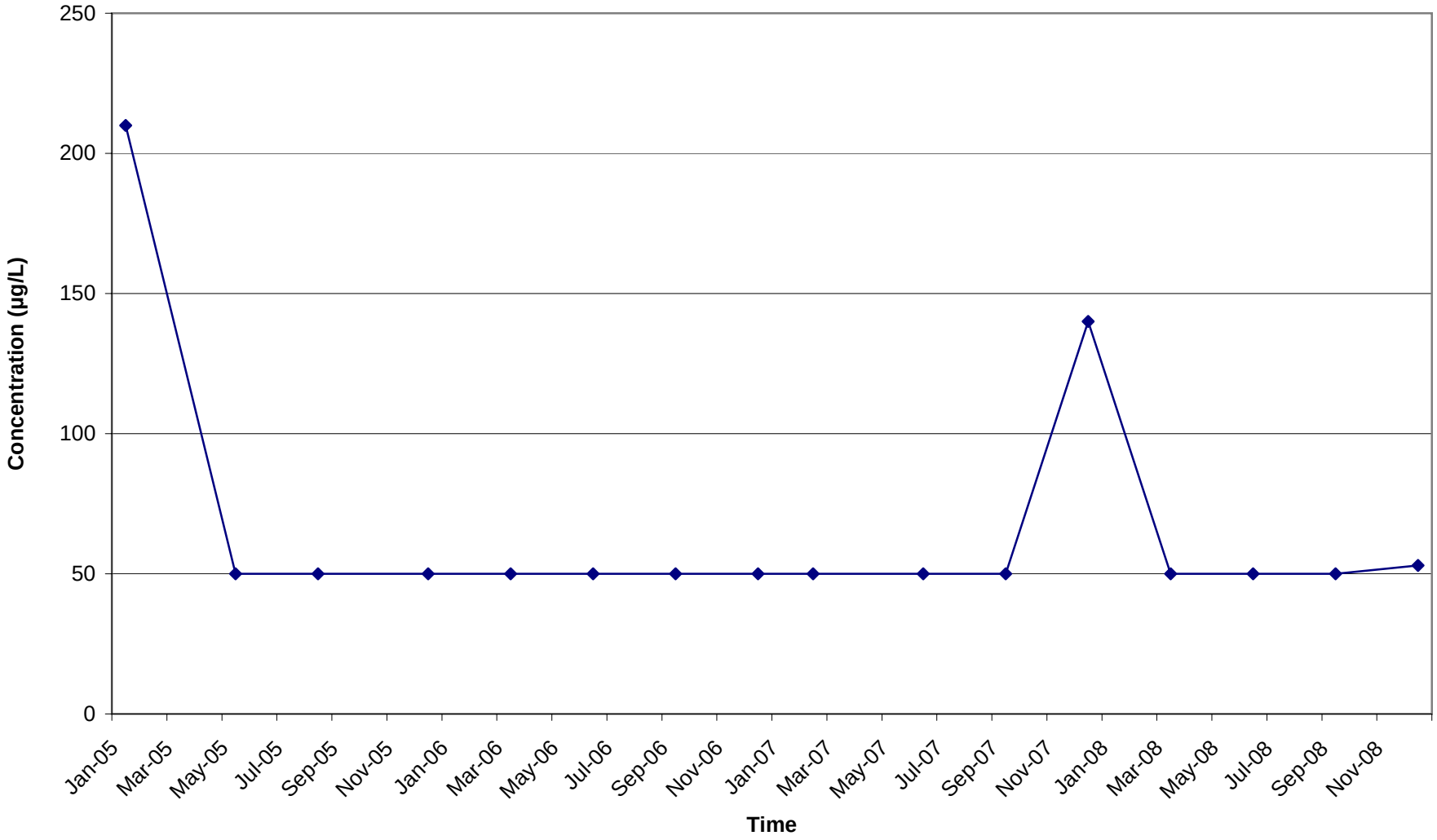
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-5S)

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



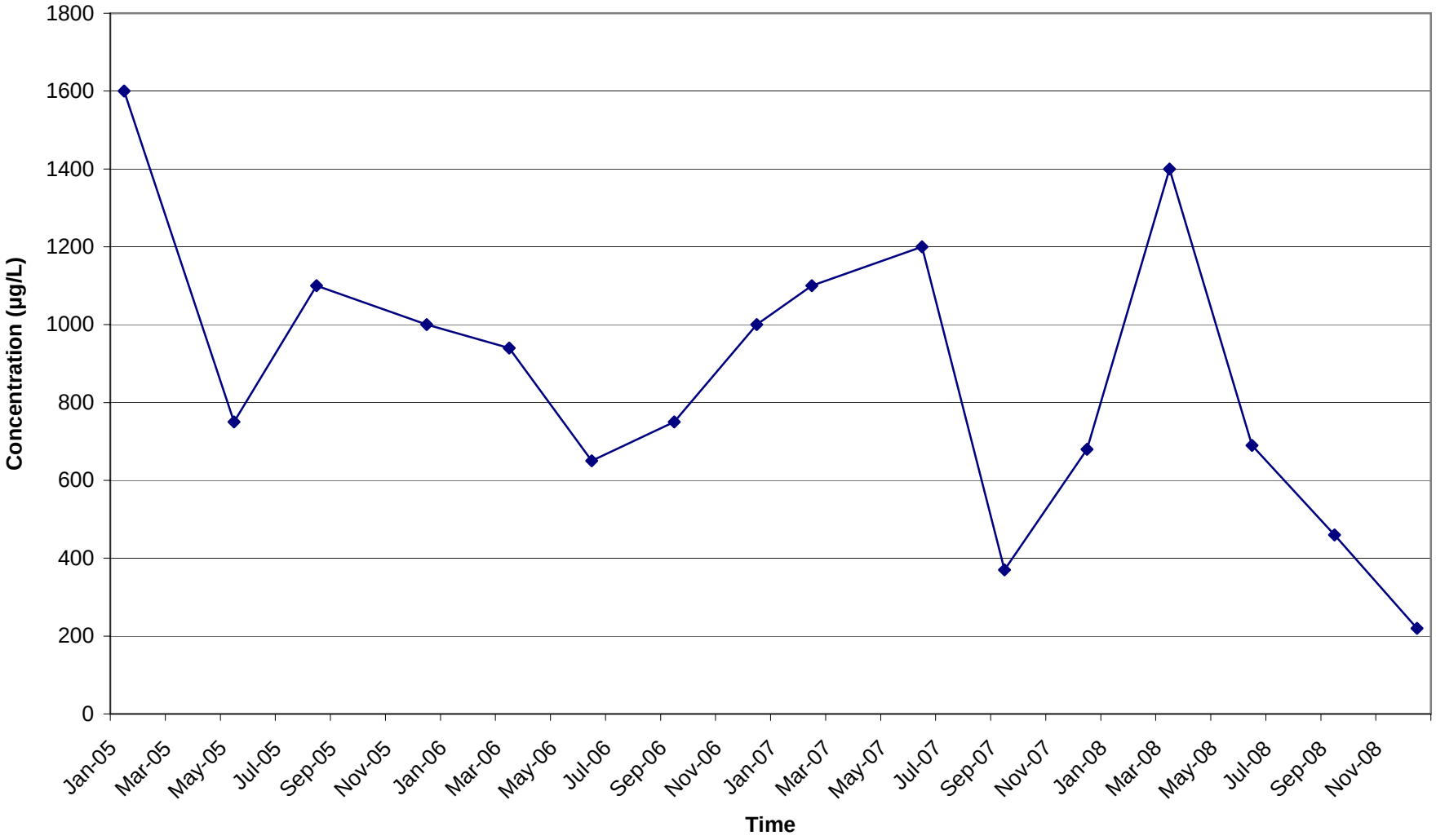
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-5D)

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



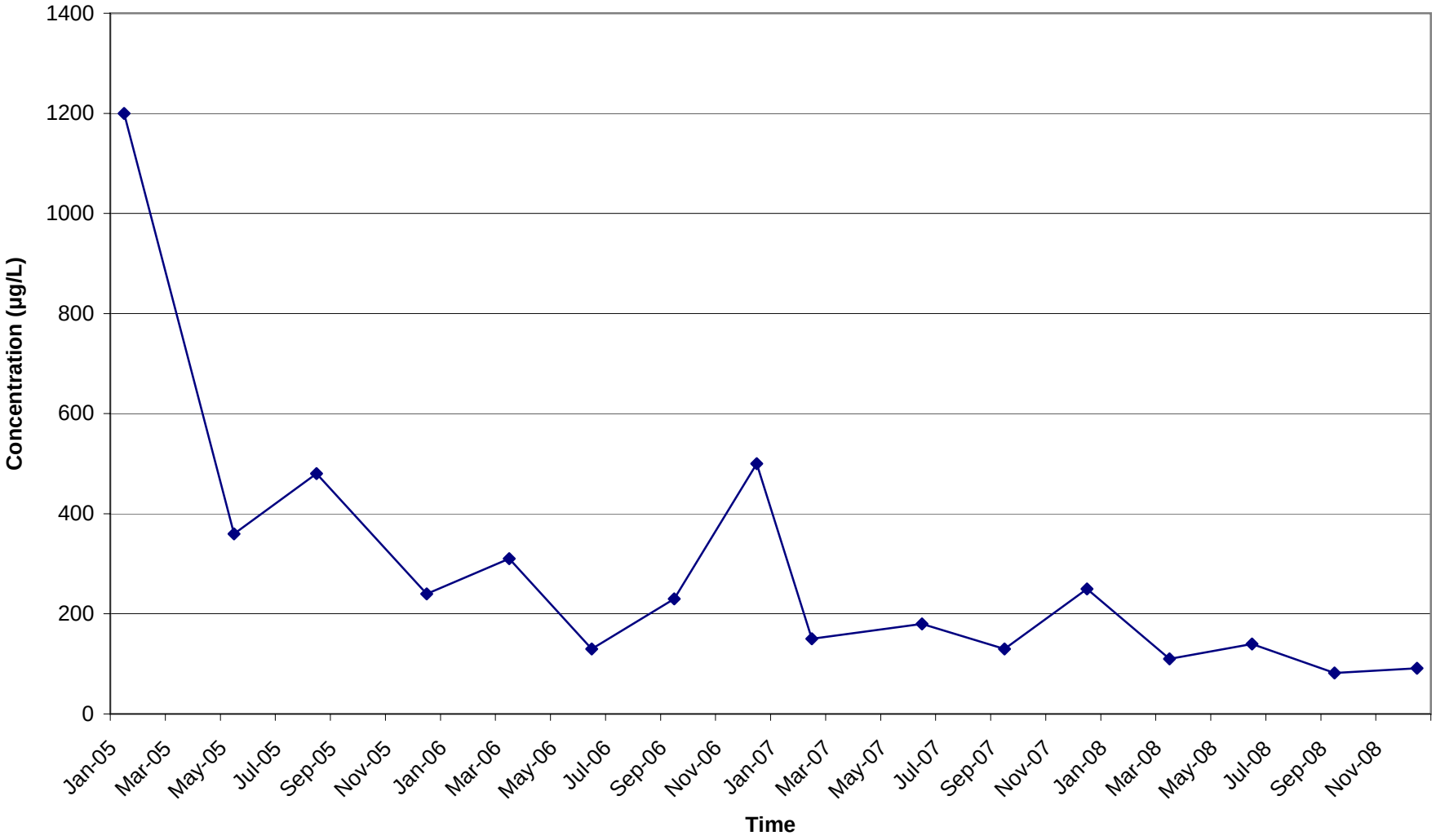
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-6S)

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



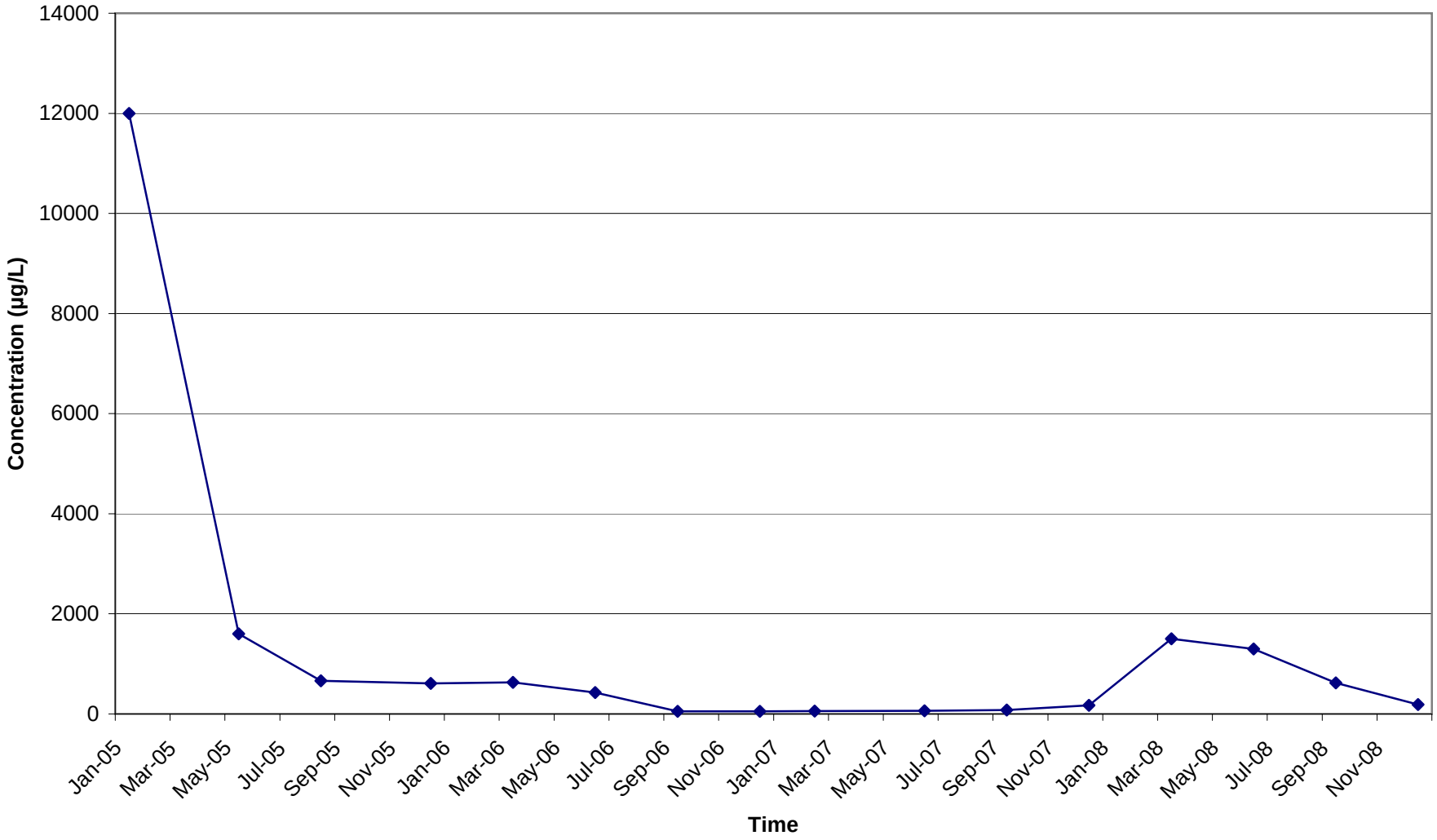
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-6D)

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



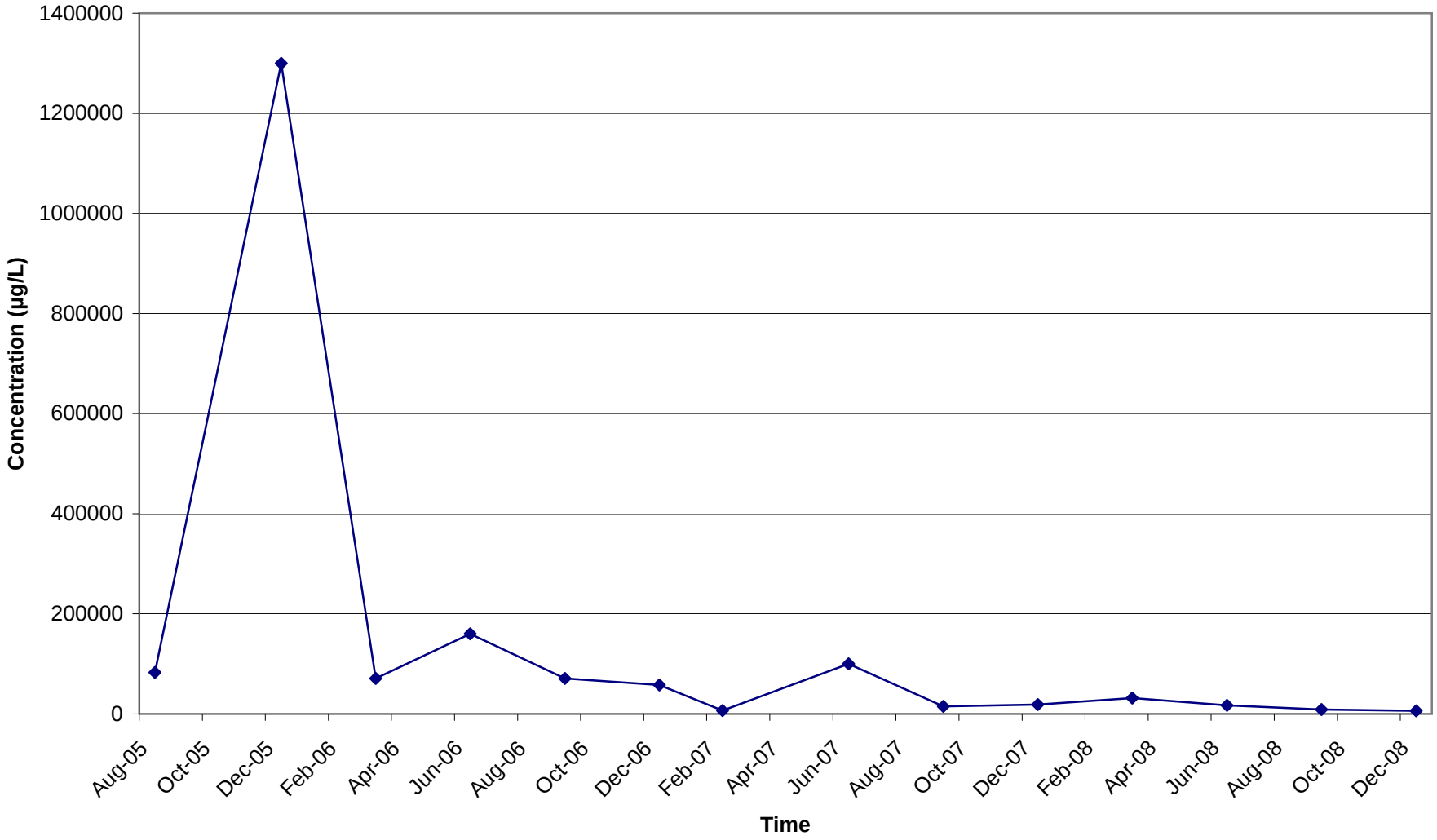
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-7S)

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



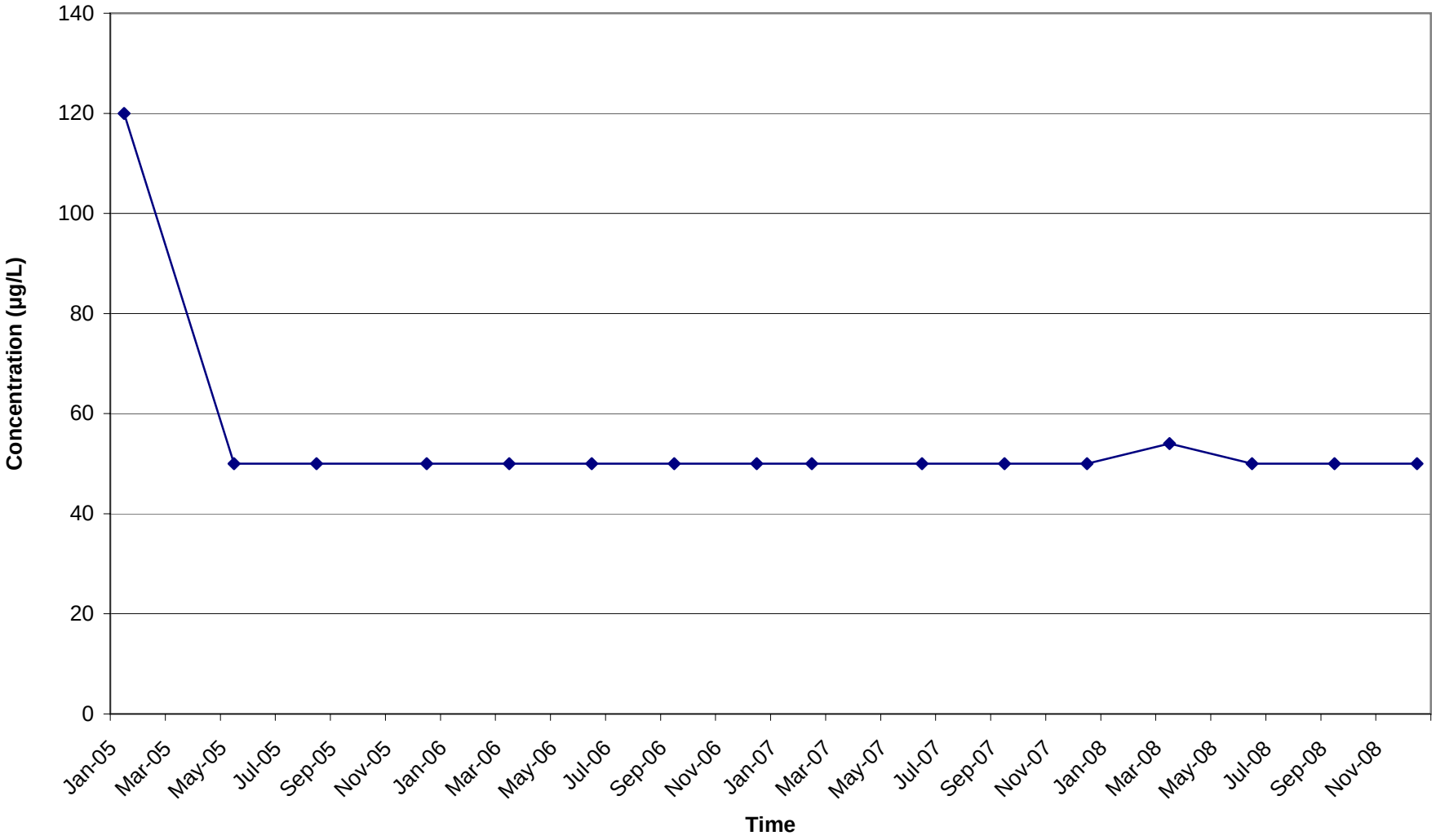
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-7D)

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



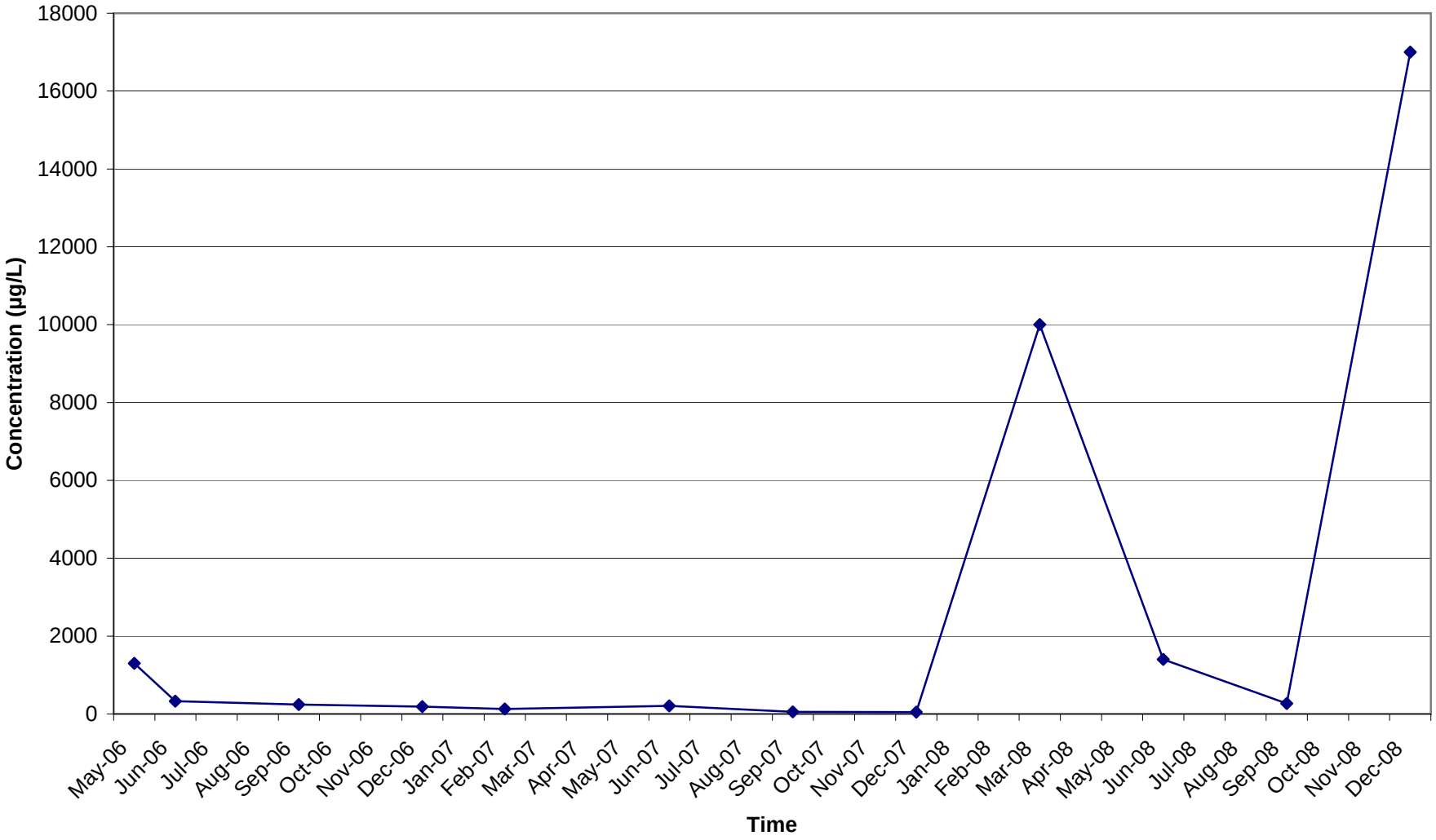
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-8)

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



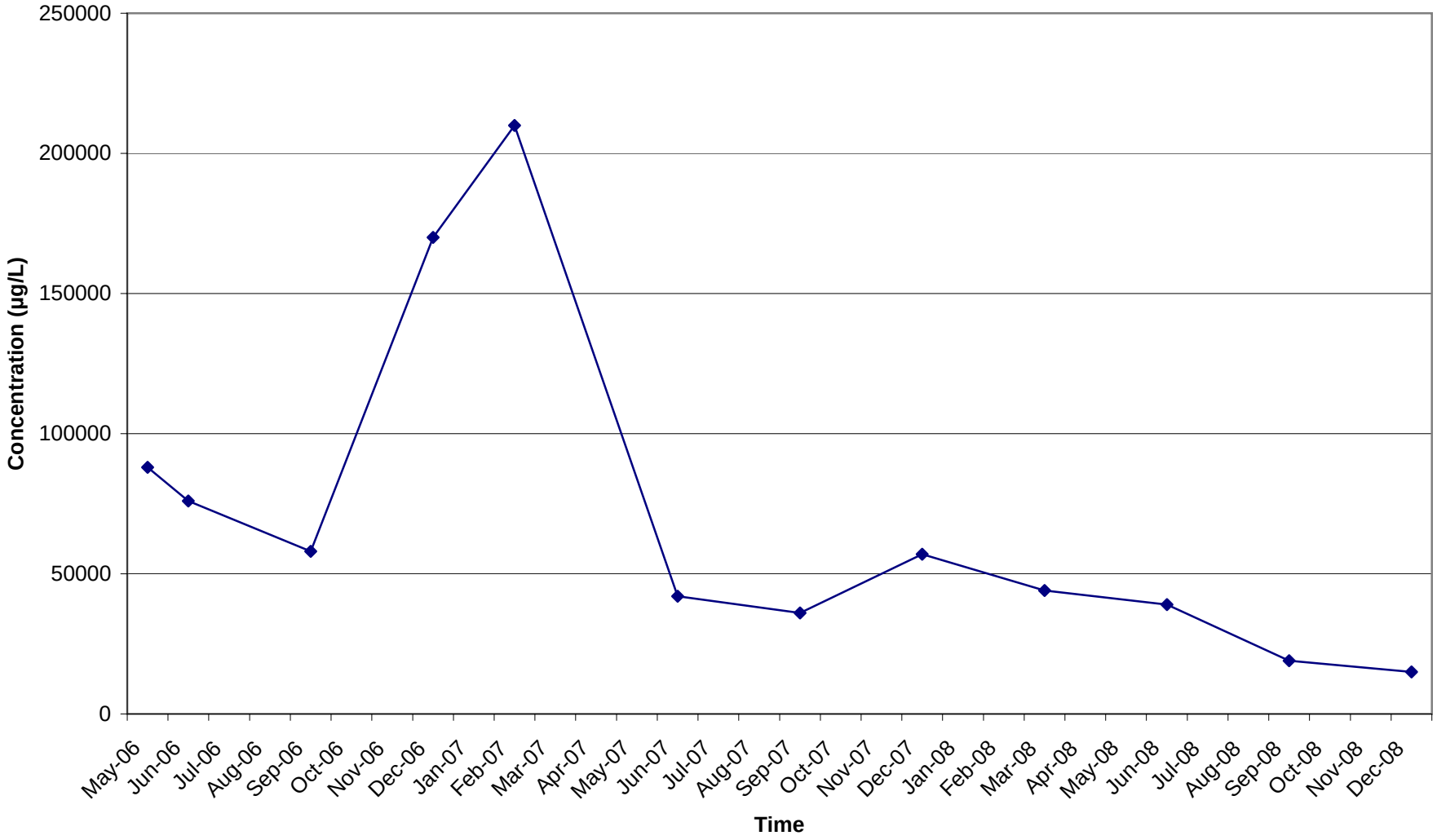
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-9S)

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



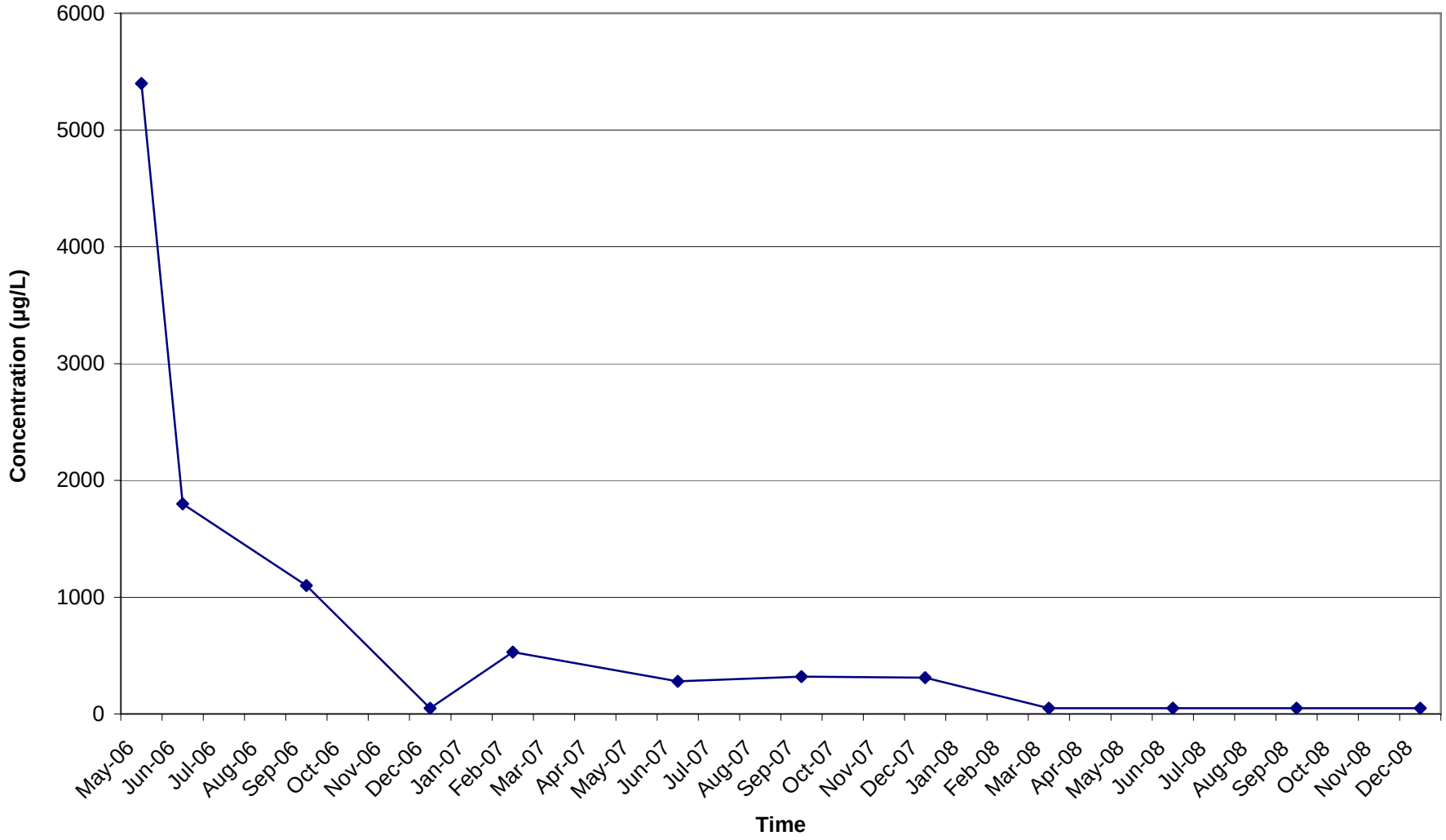
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-9D)

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



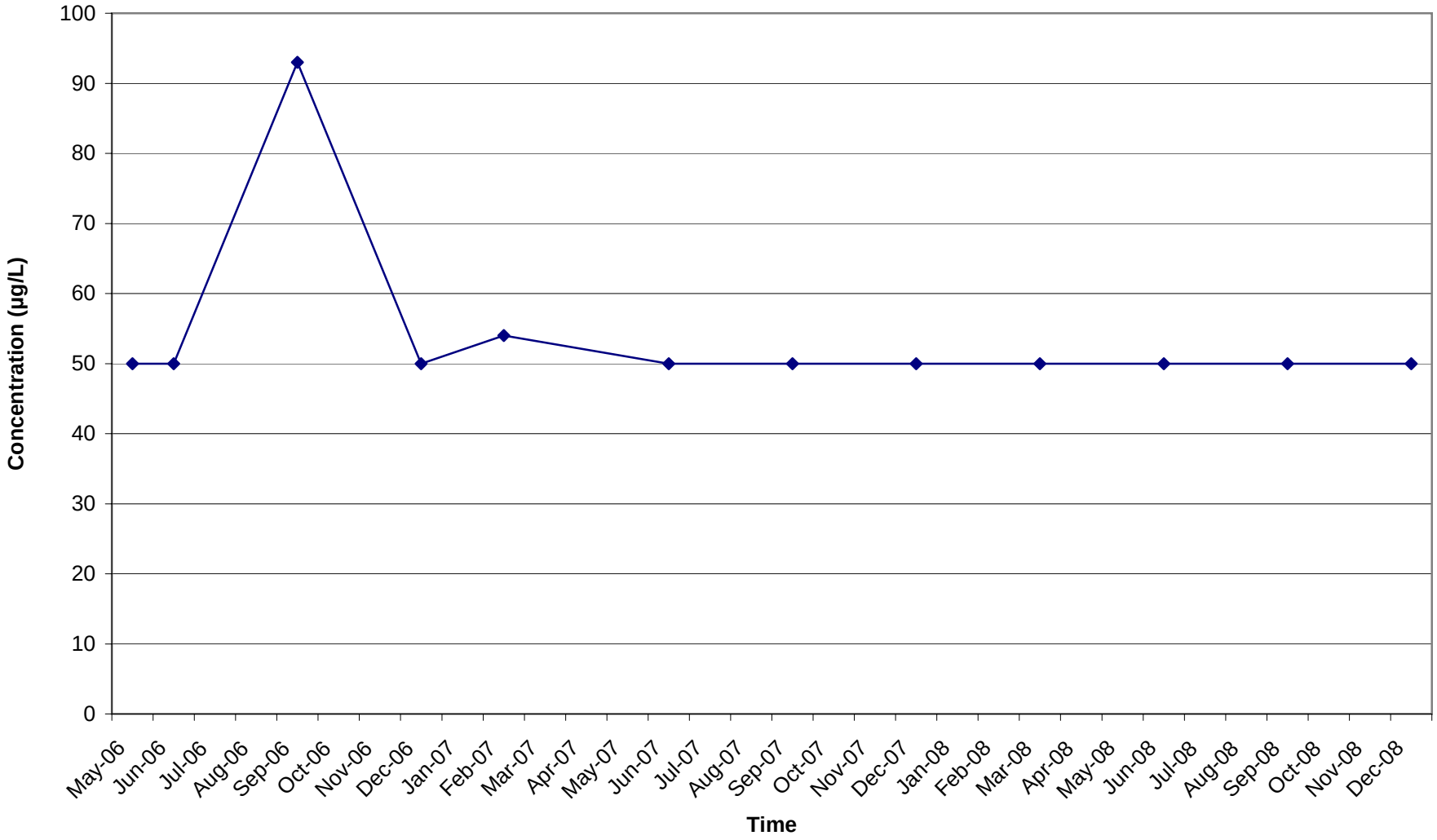
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-9LF)

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



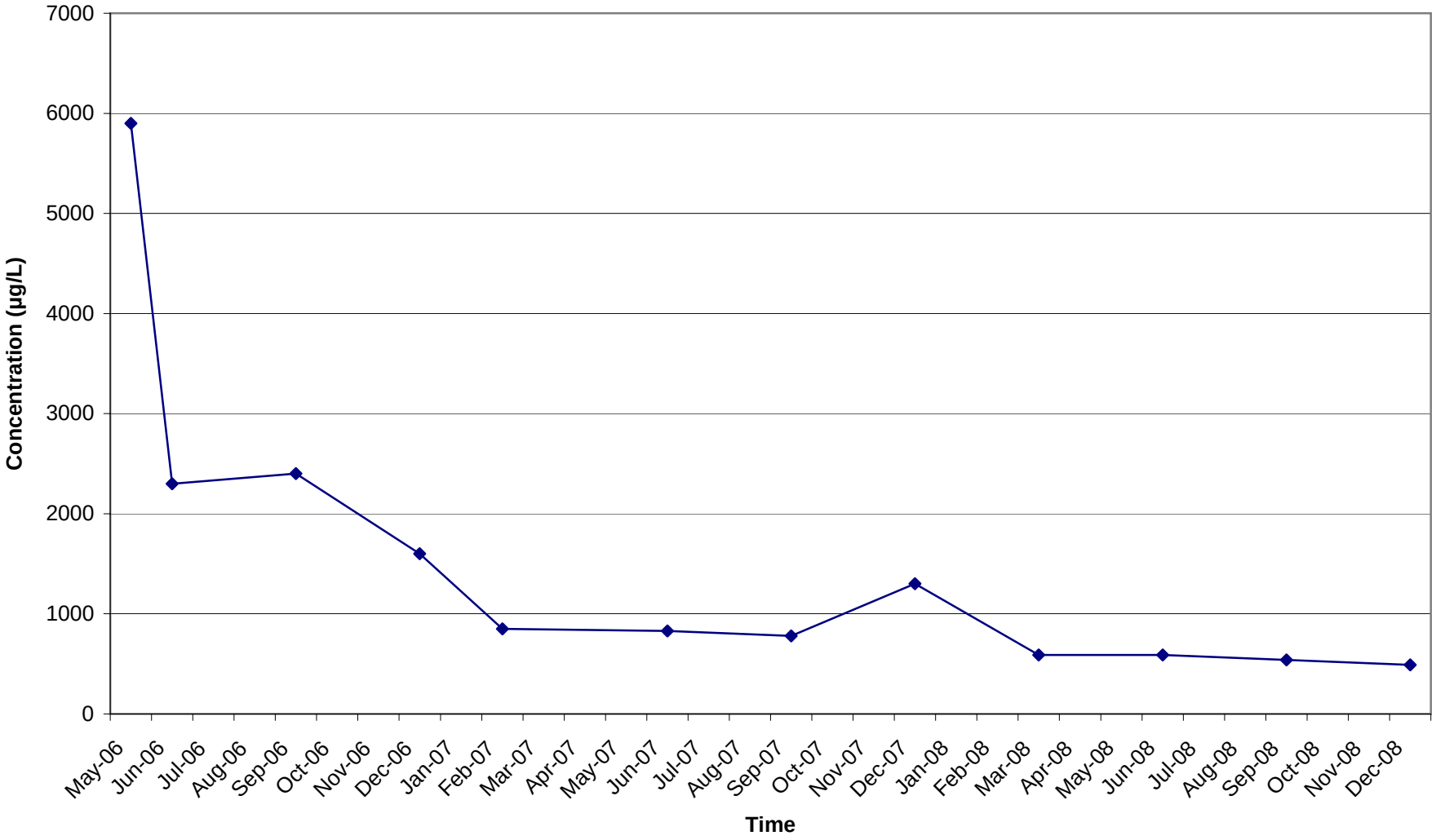
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-10S)

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



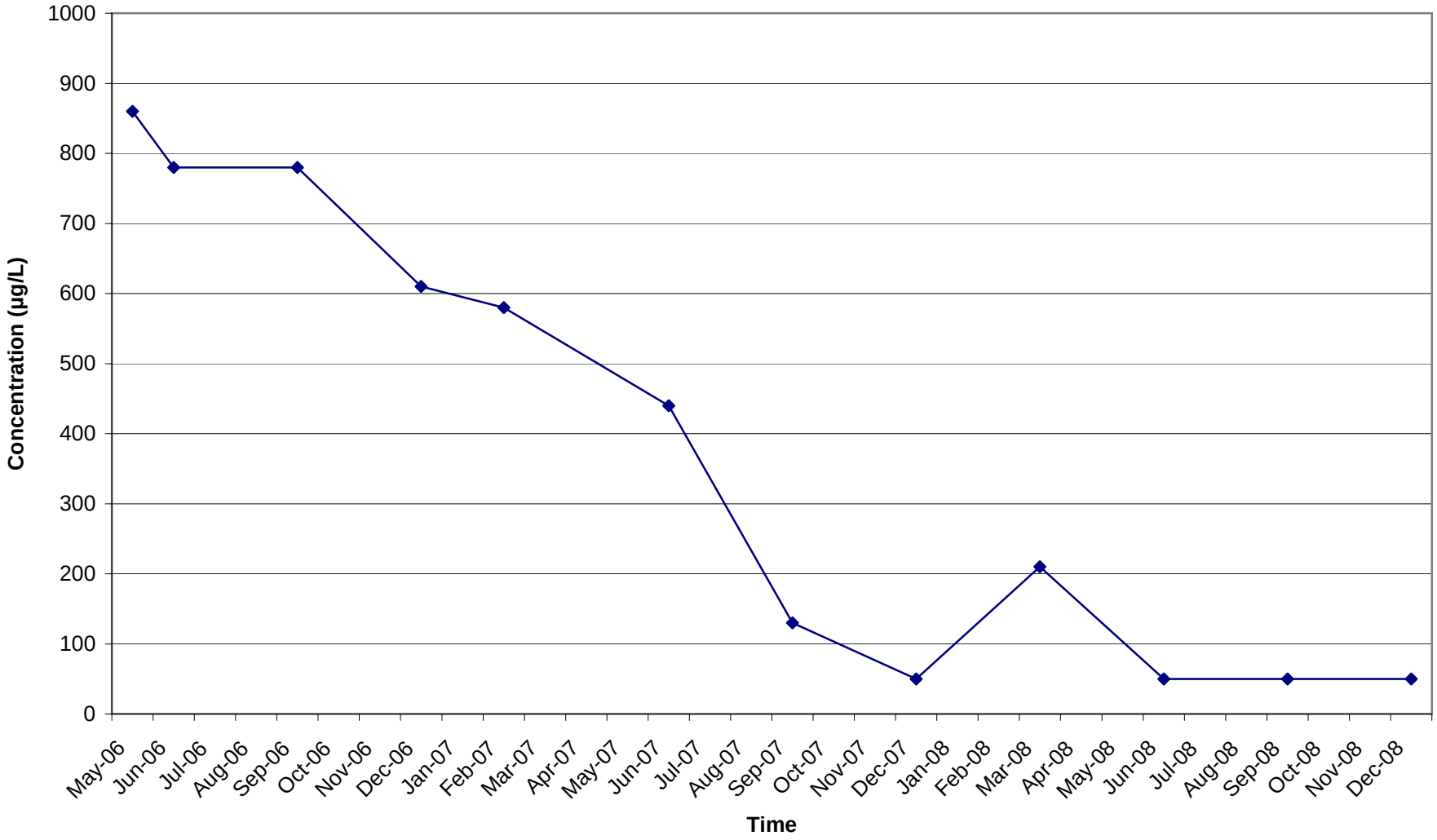
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-10D)

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



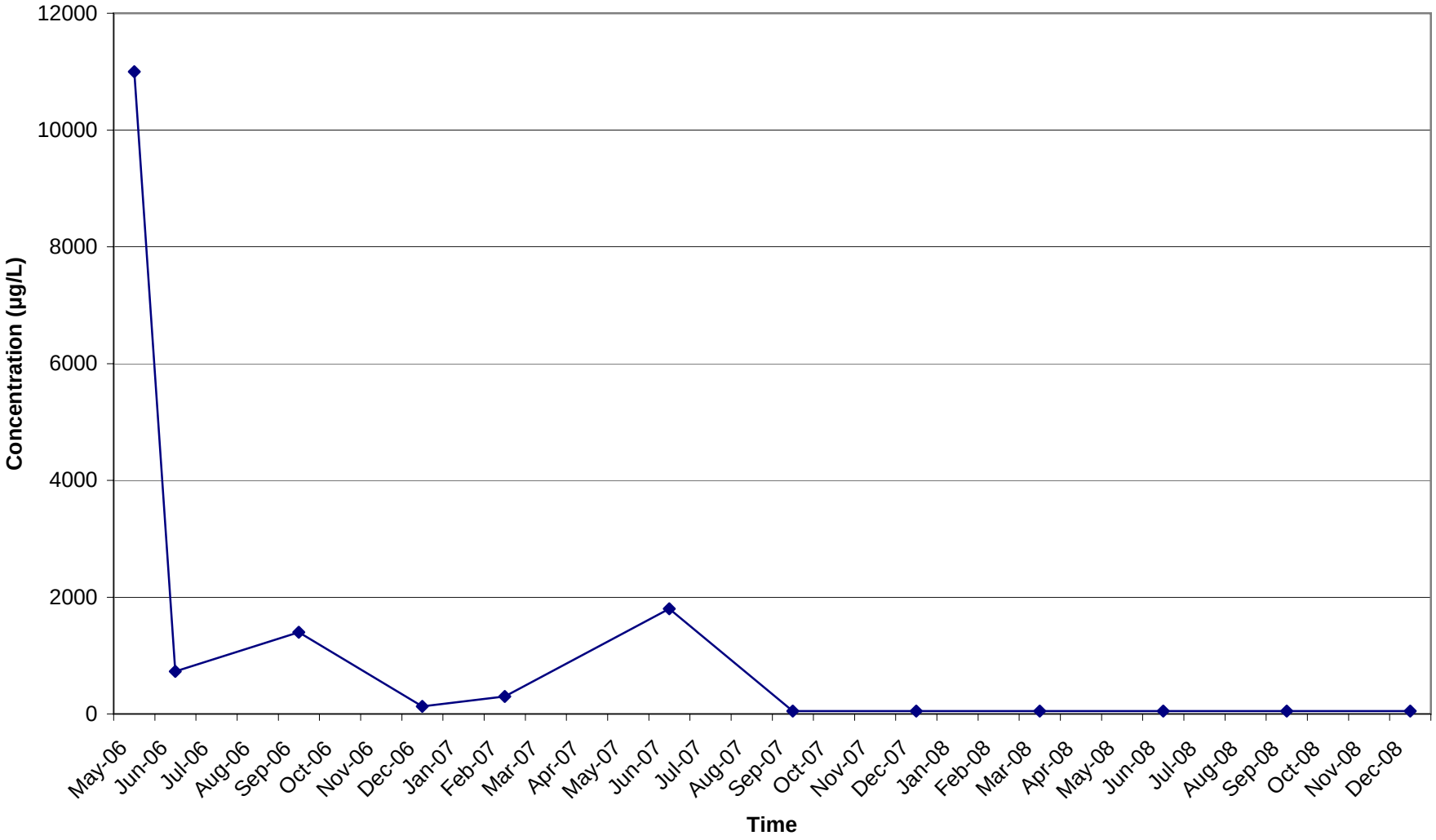
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-10LF)

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



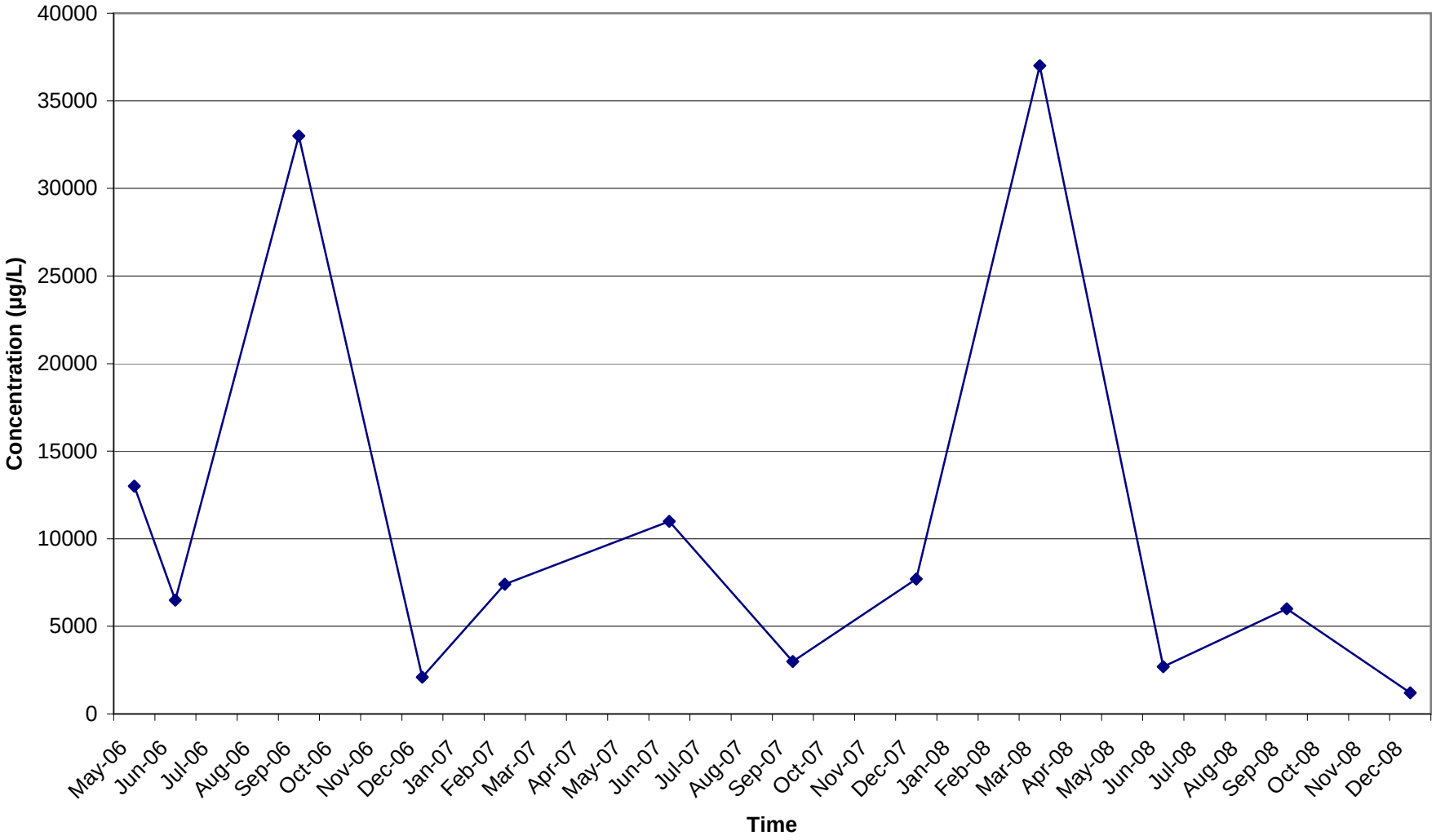
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-11S)

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



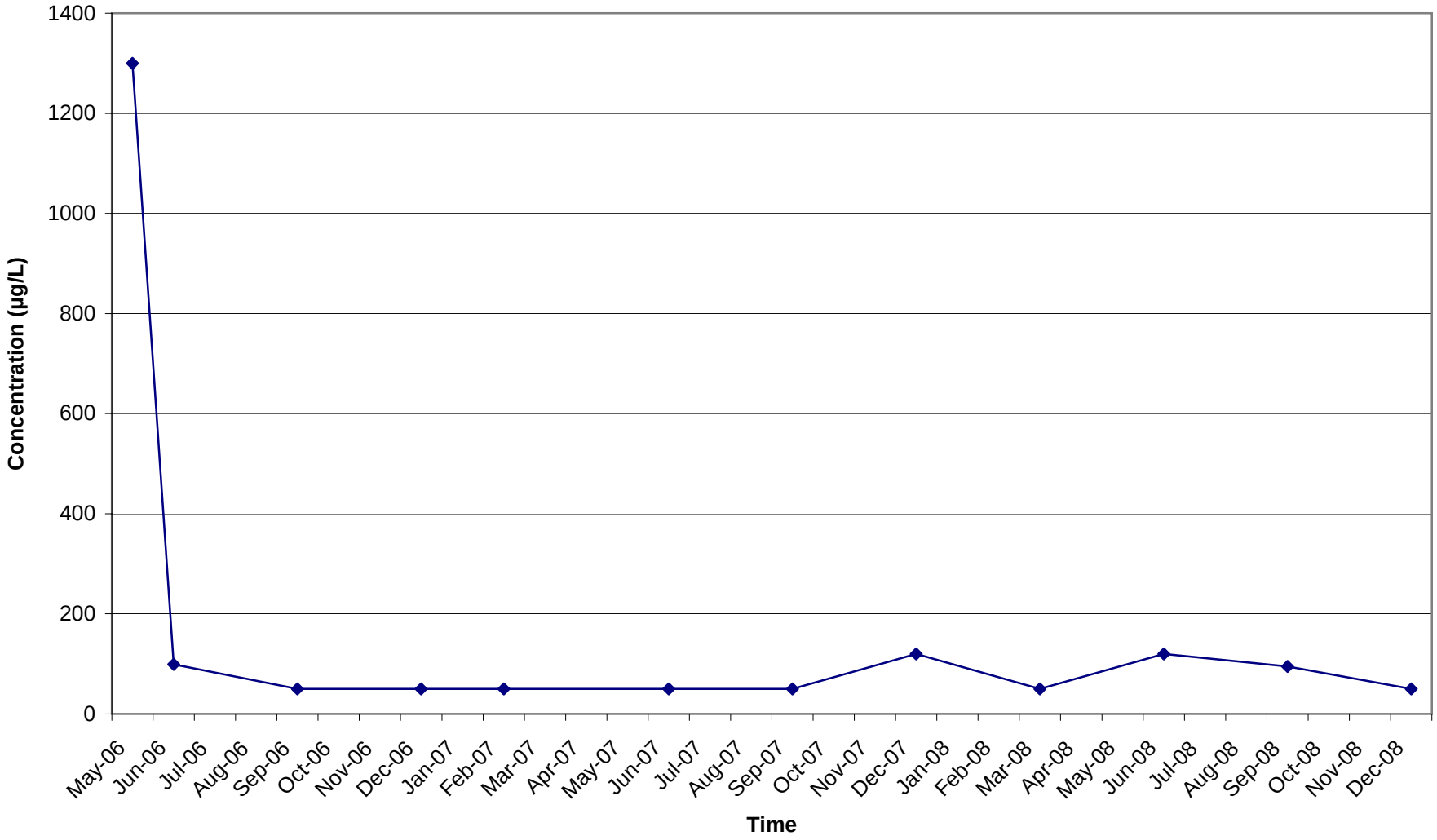
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-11D)

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



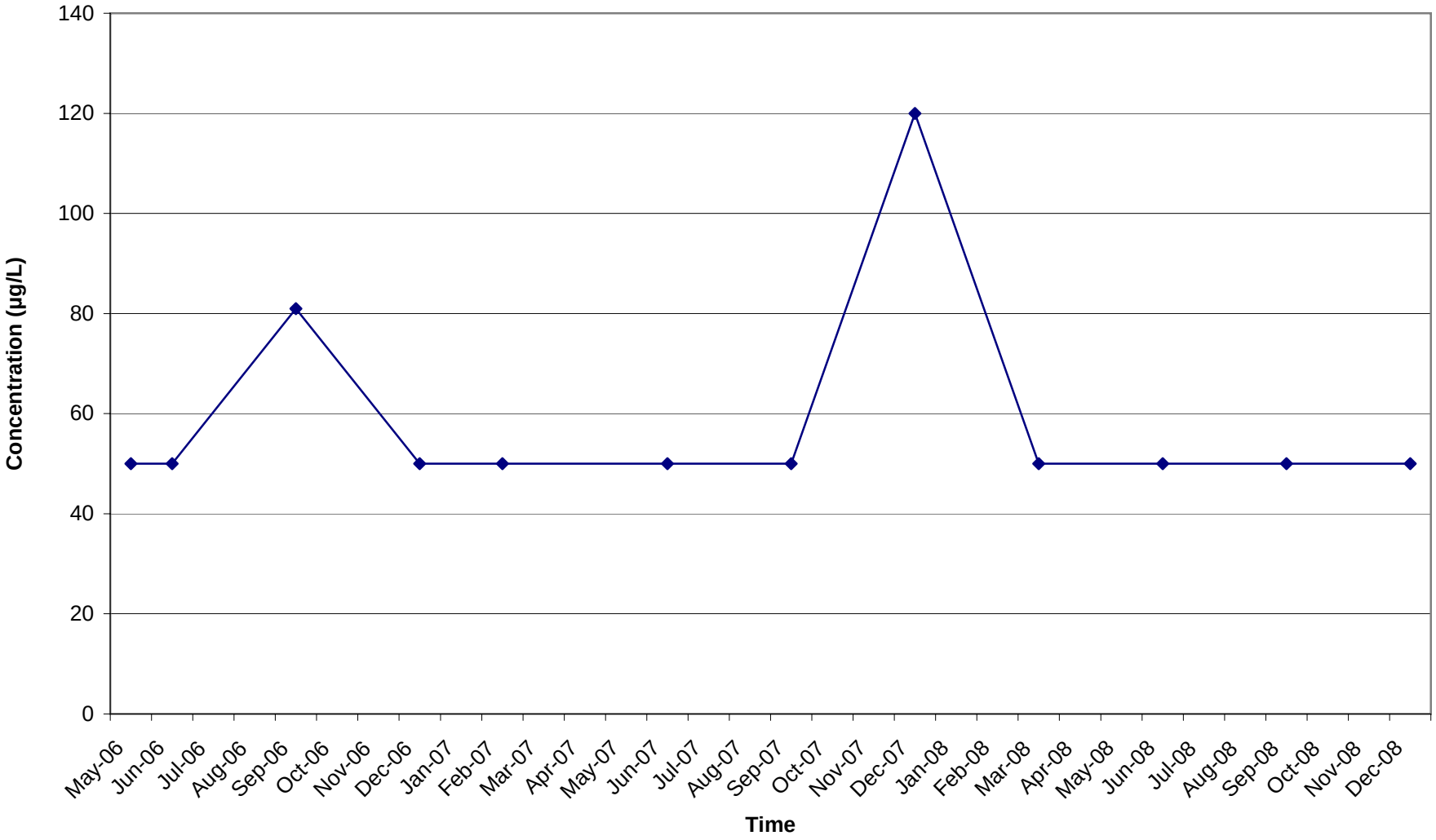
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-11LF)

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



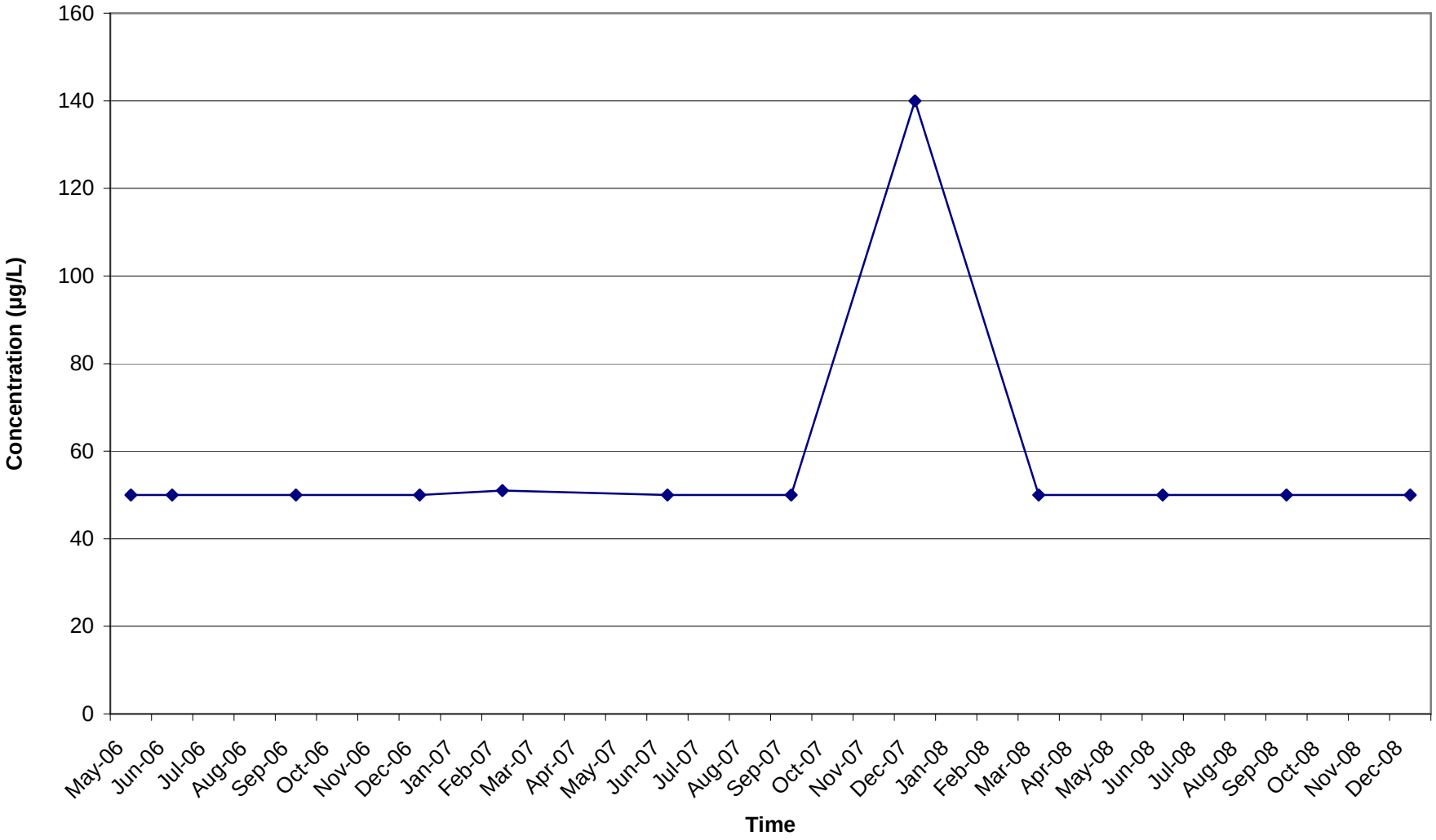
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-12S)

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



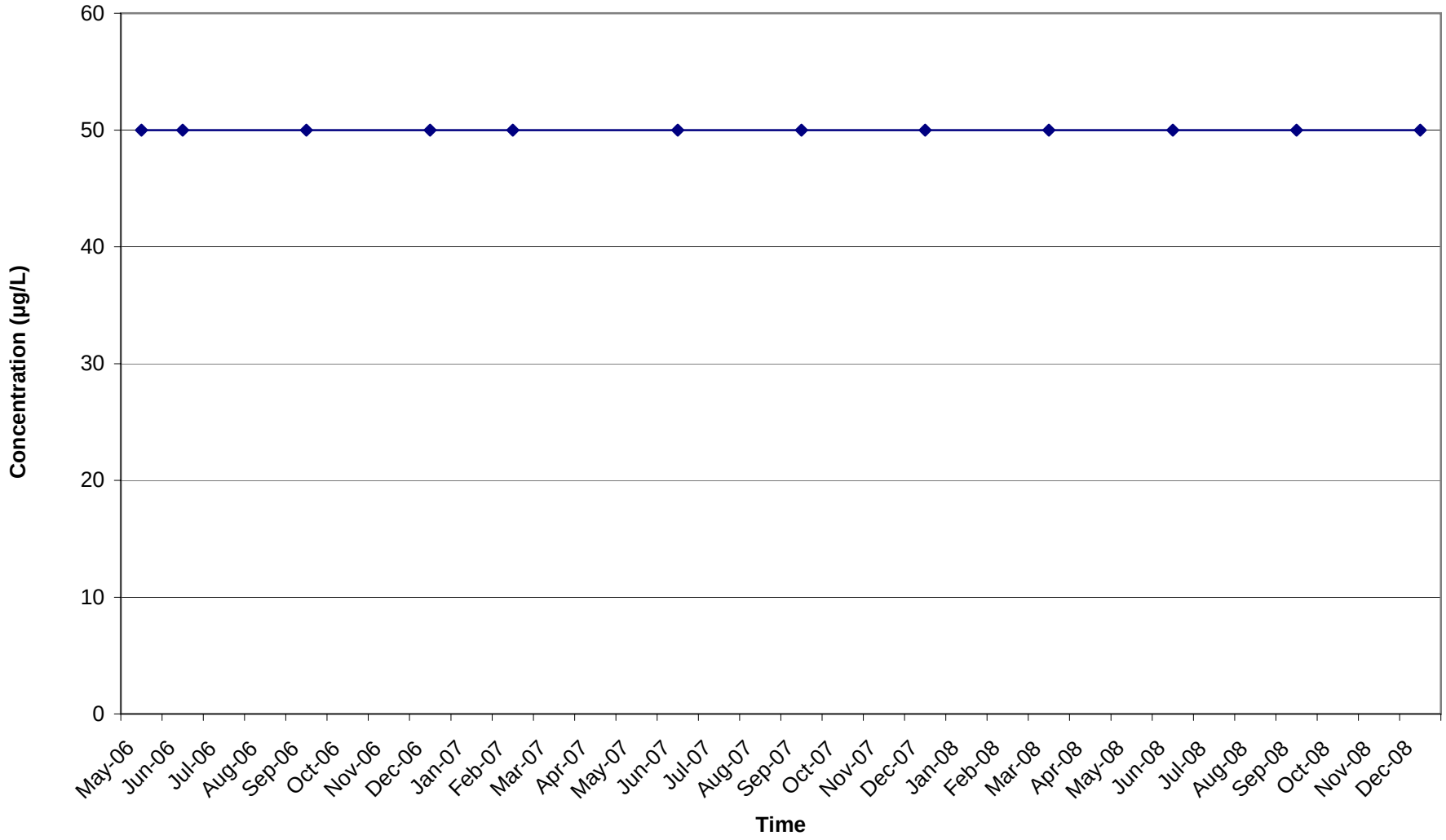
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-12D)

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



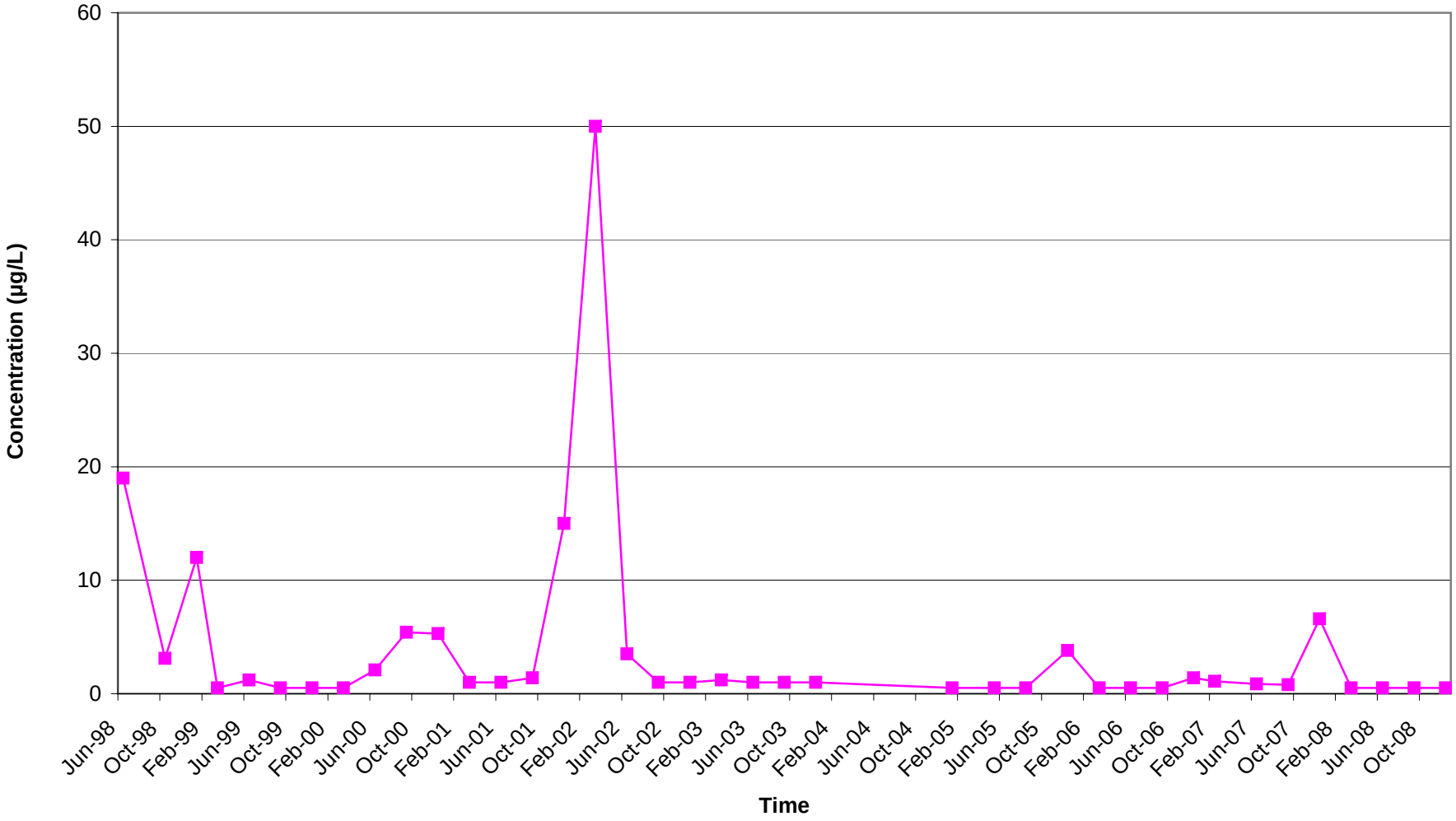
## CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-12LF)

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



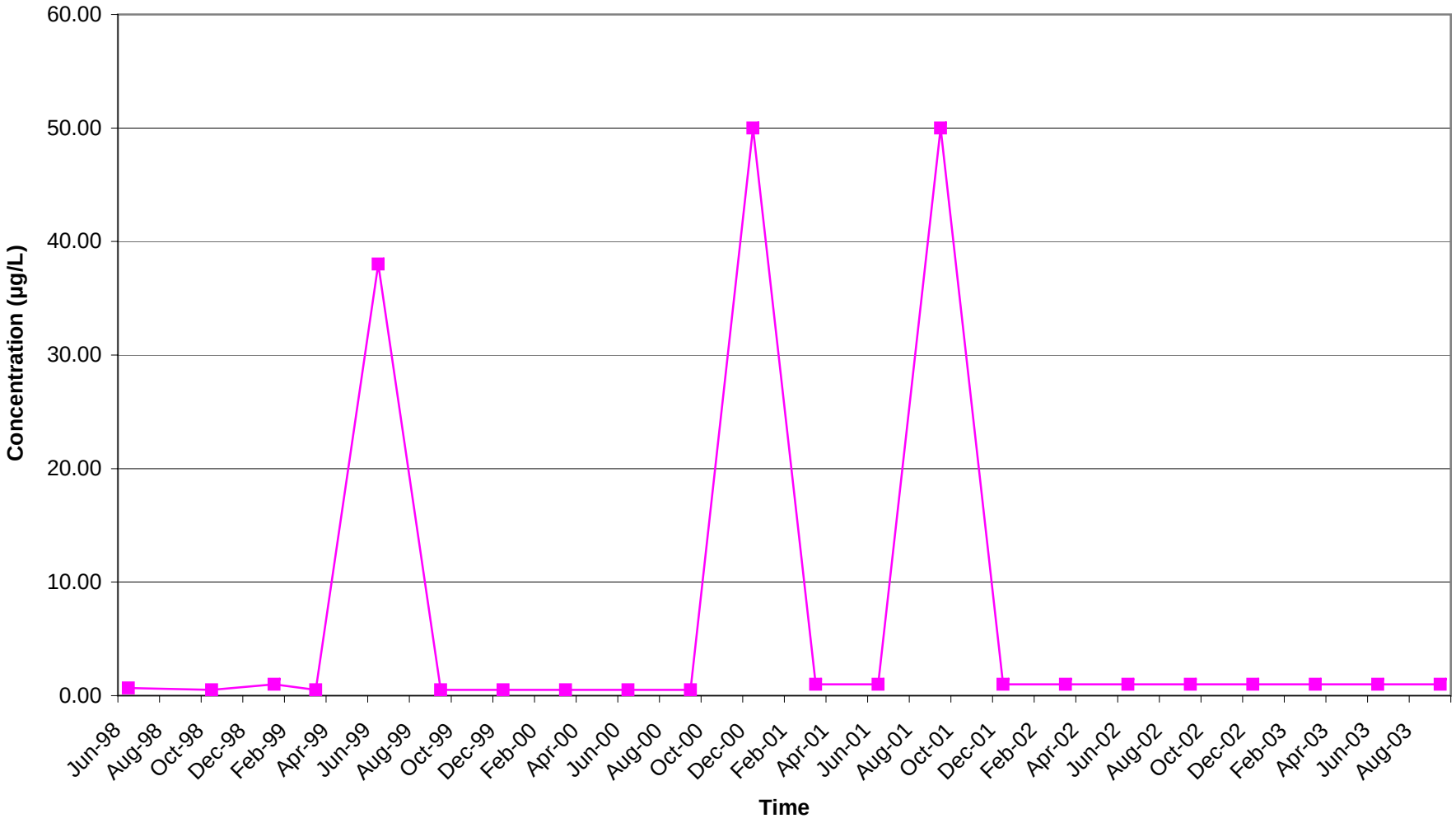
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-1)

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



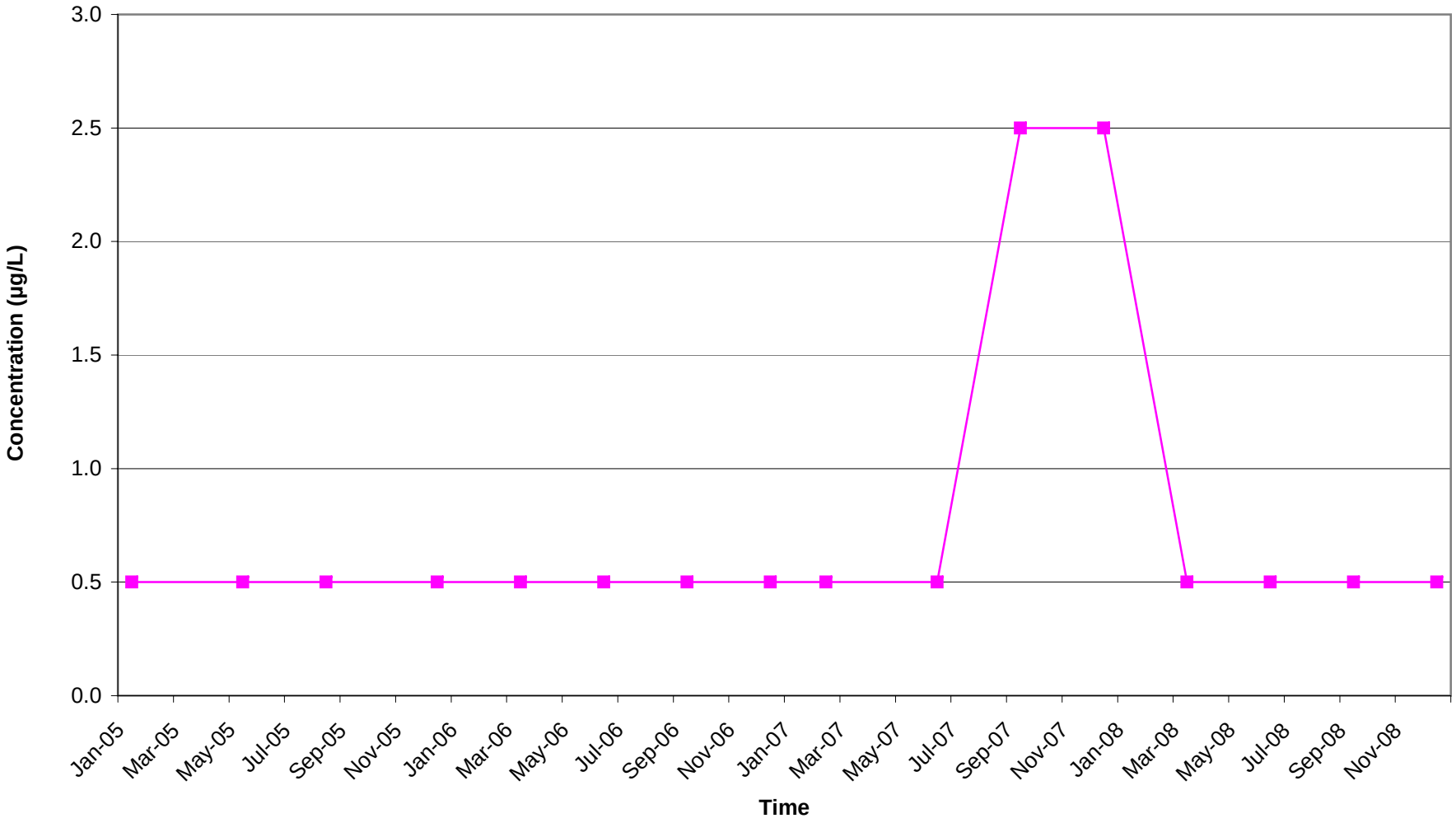
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-2)

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



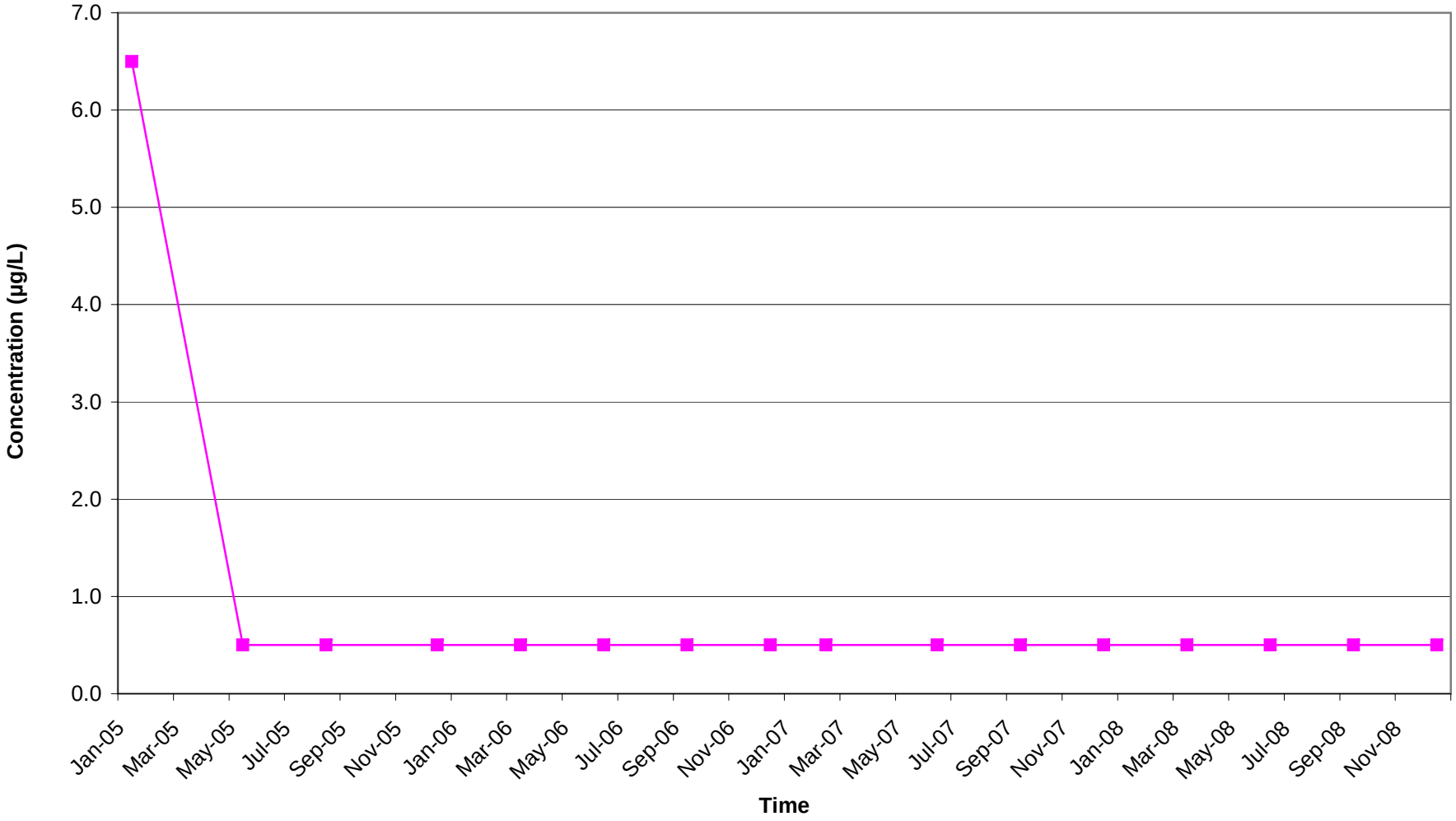
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-2S)

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



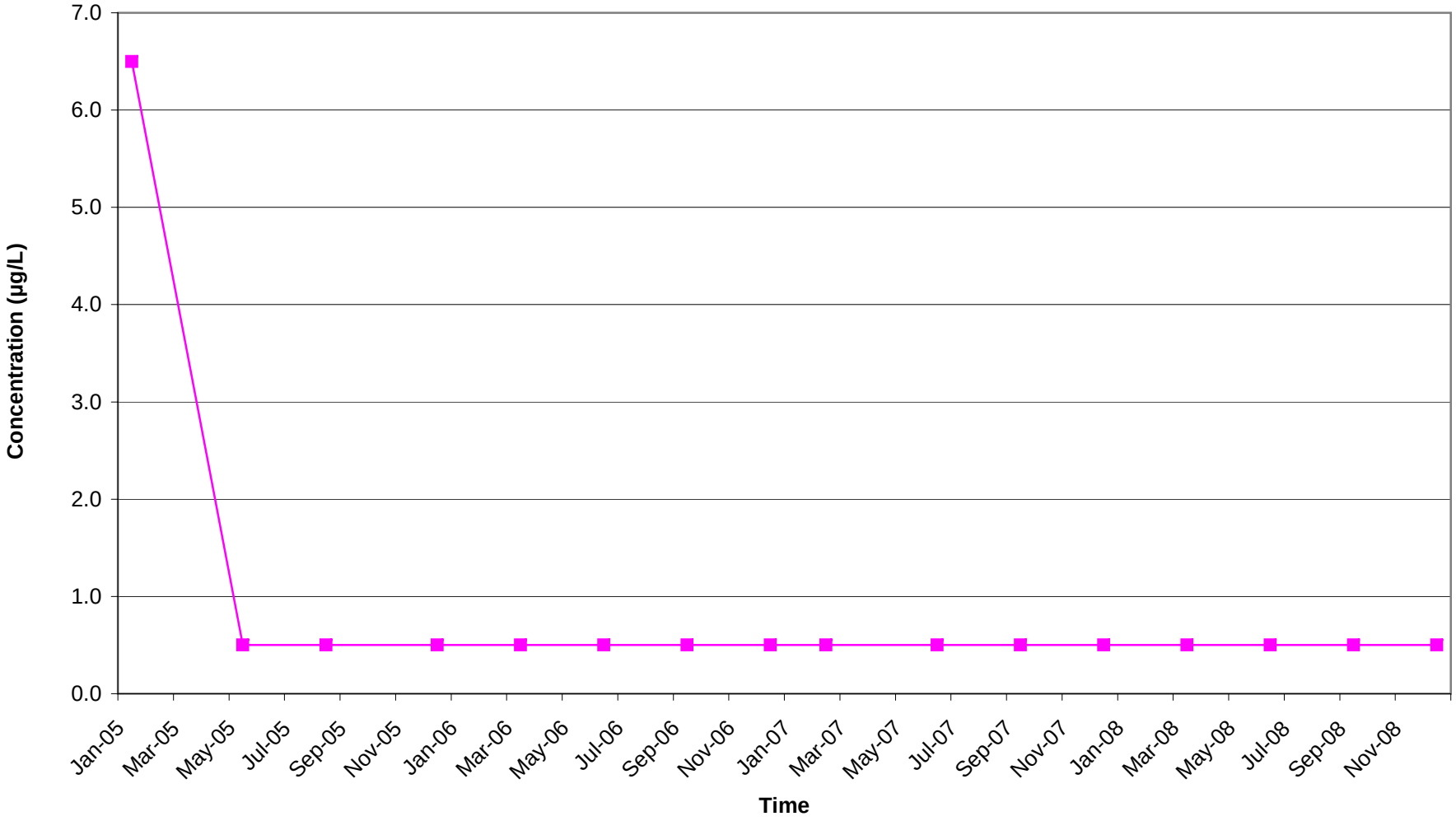
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-2M)

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



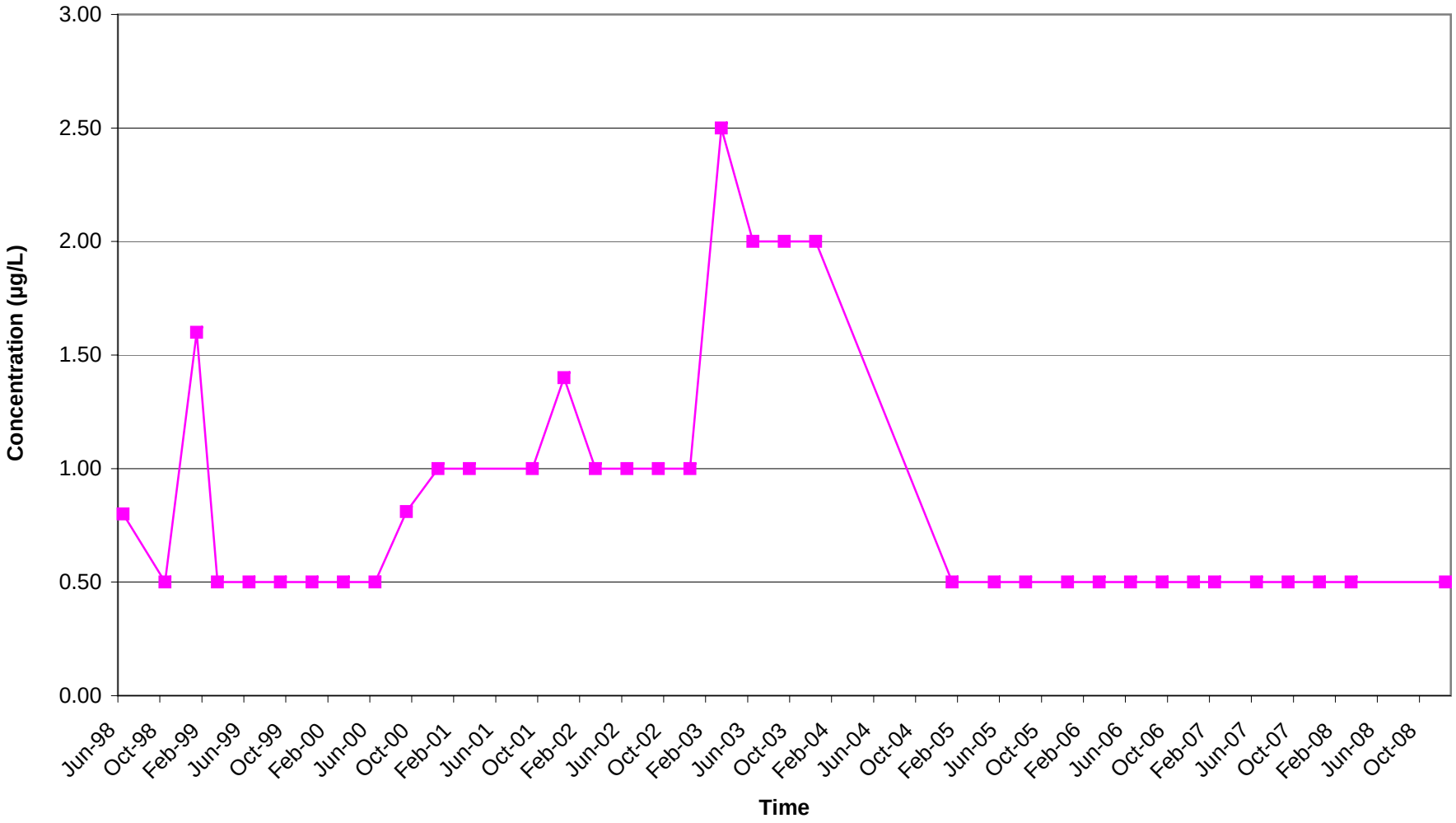
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-2D)

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



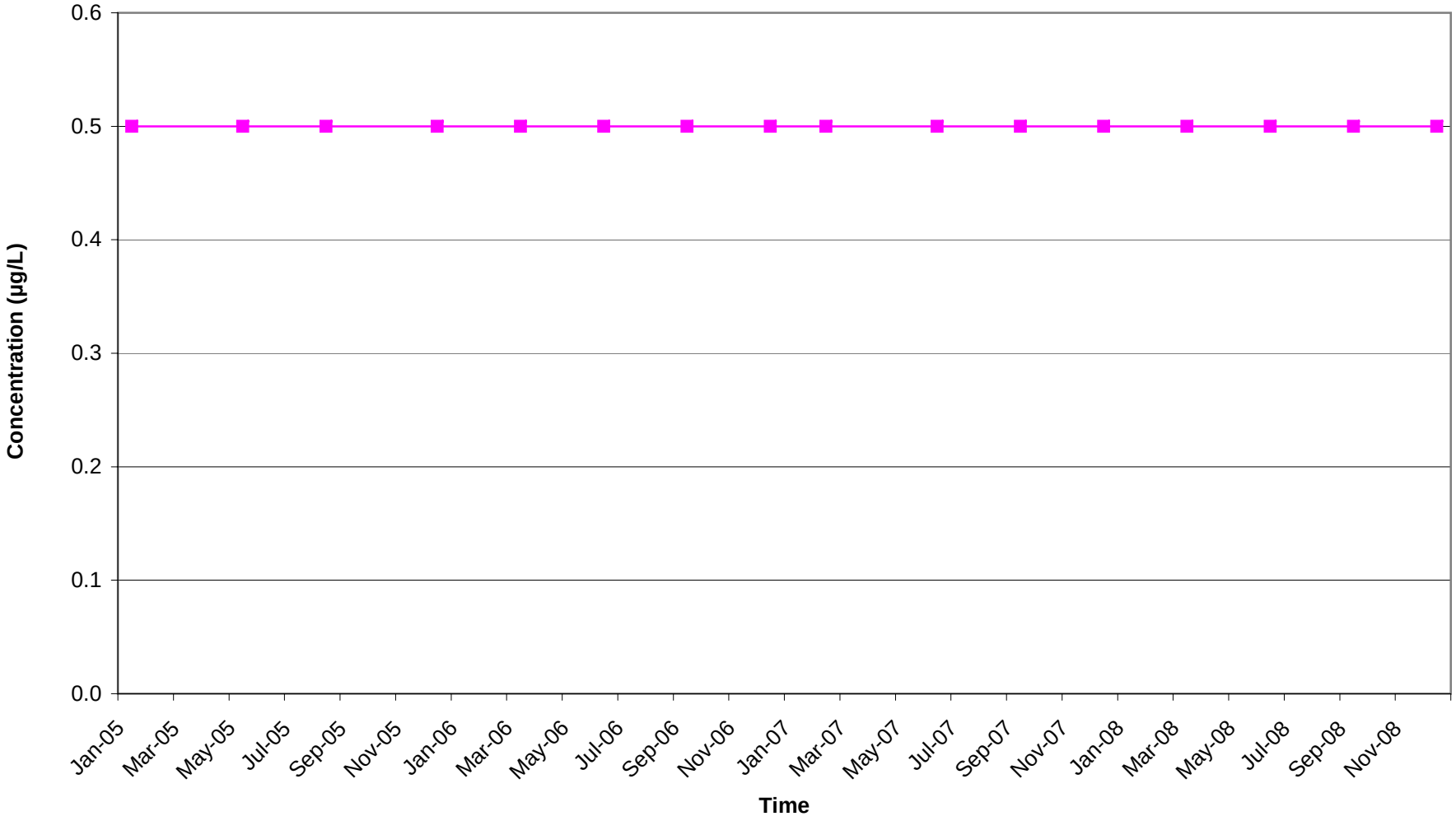
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-3)

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



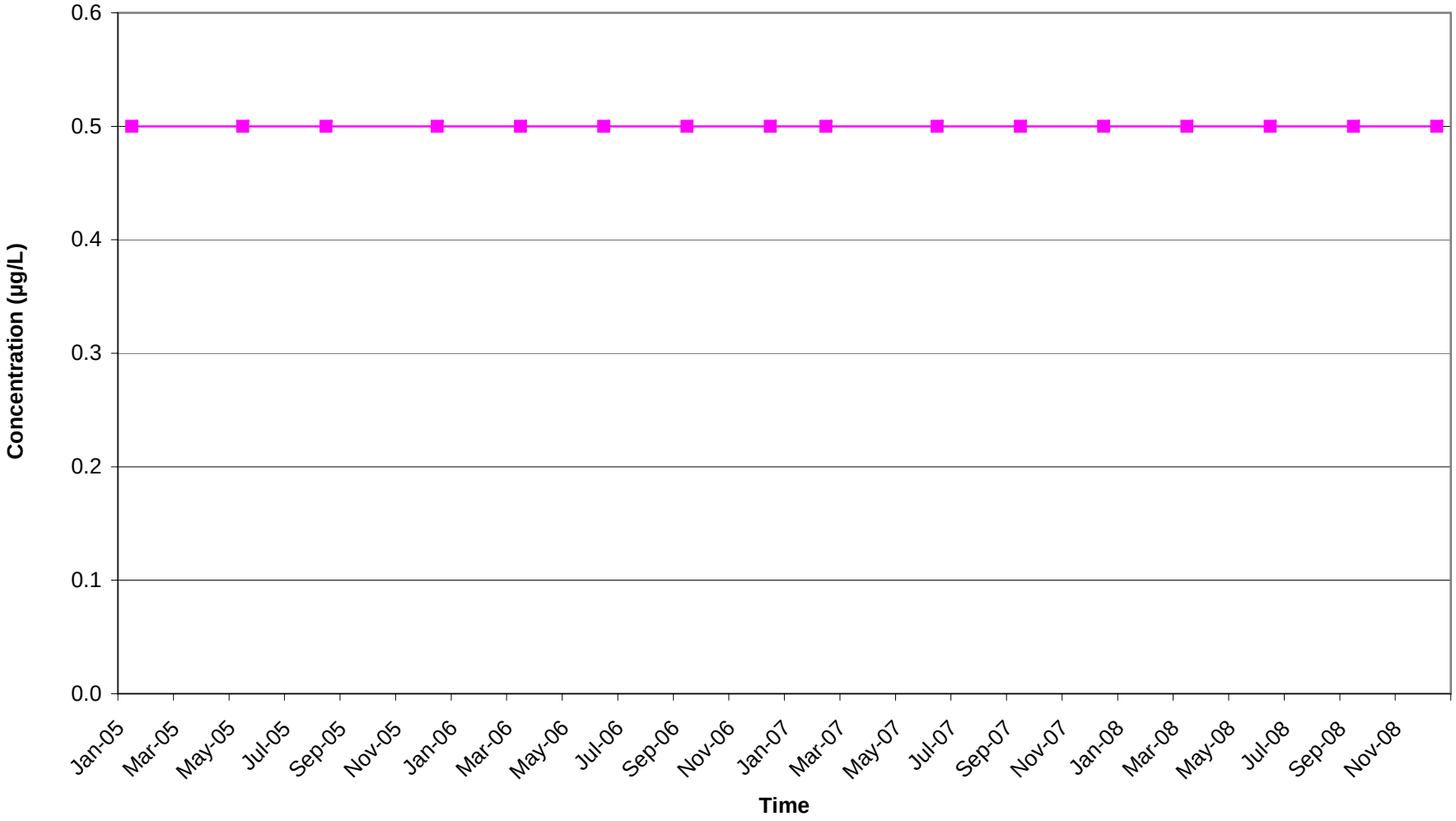
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-4S)

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



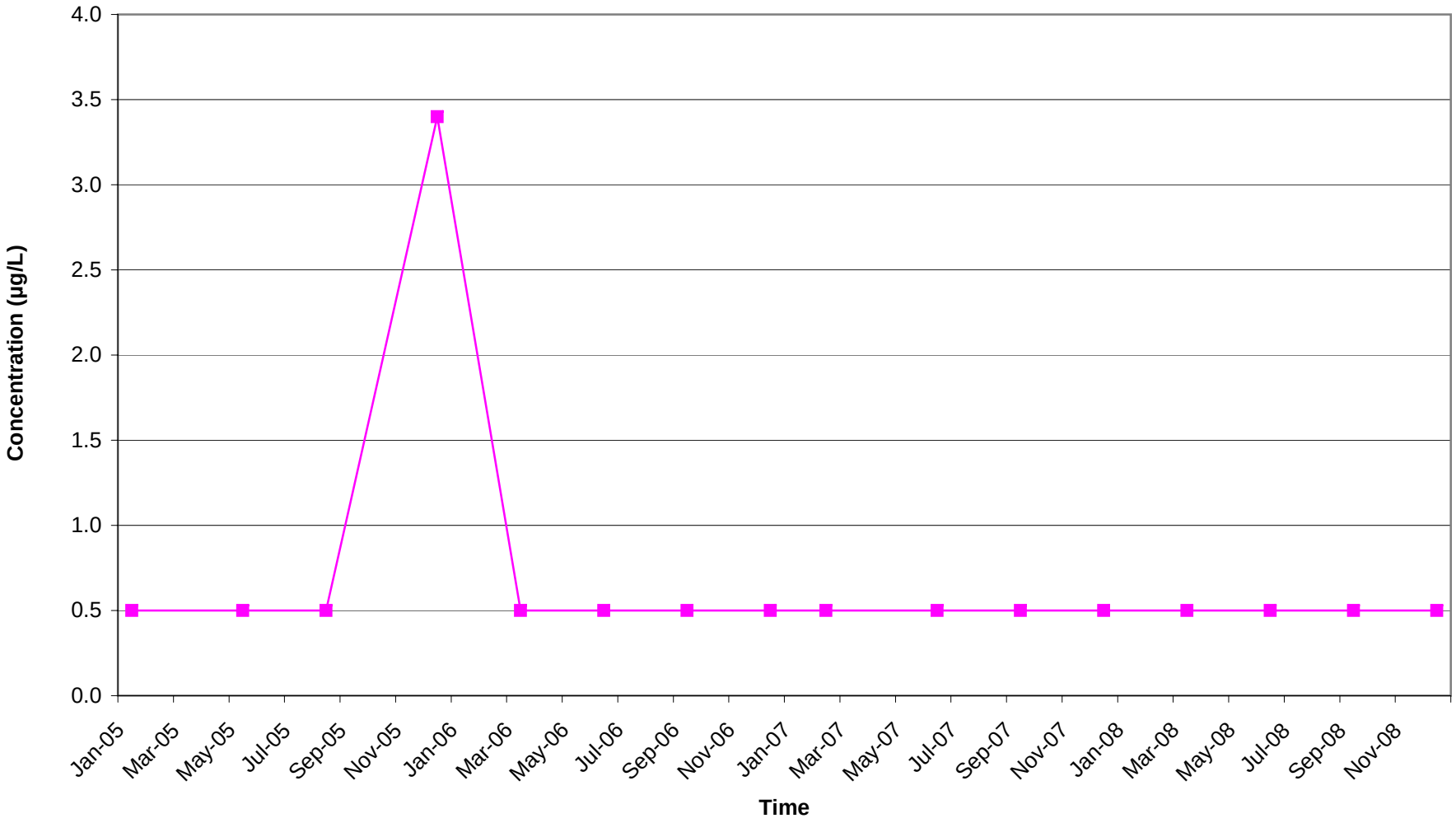
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-4D)

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



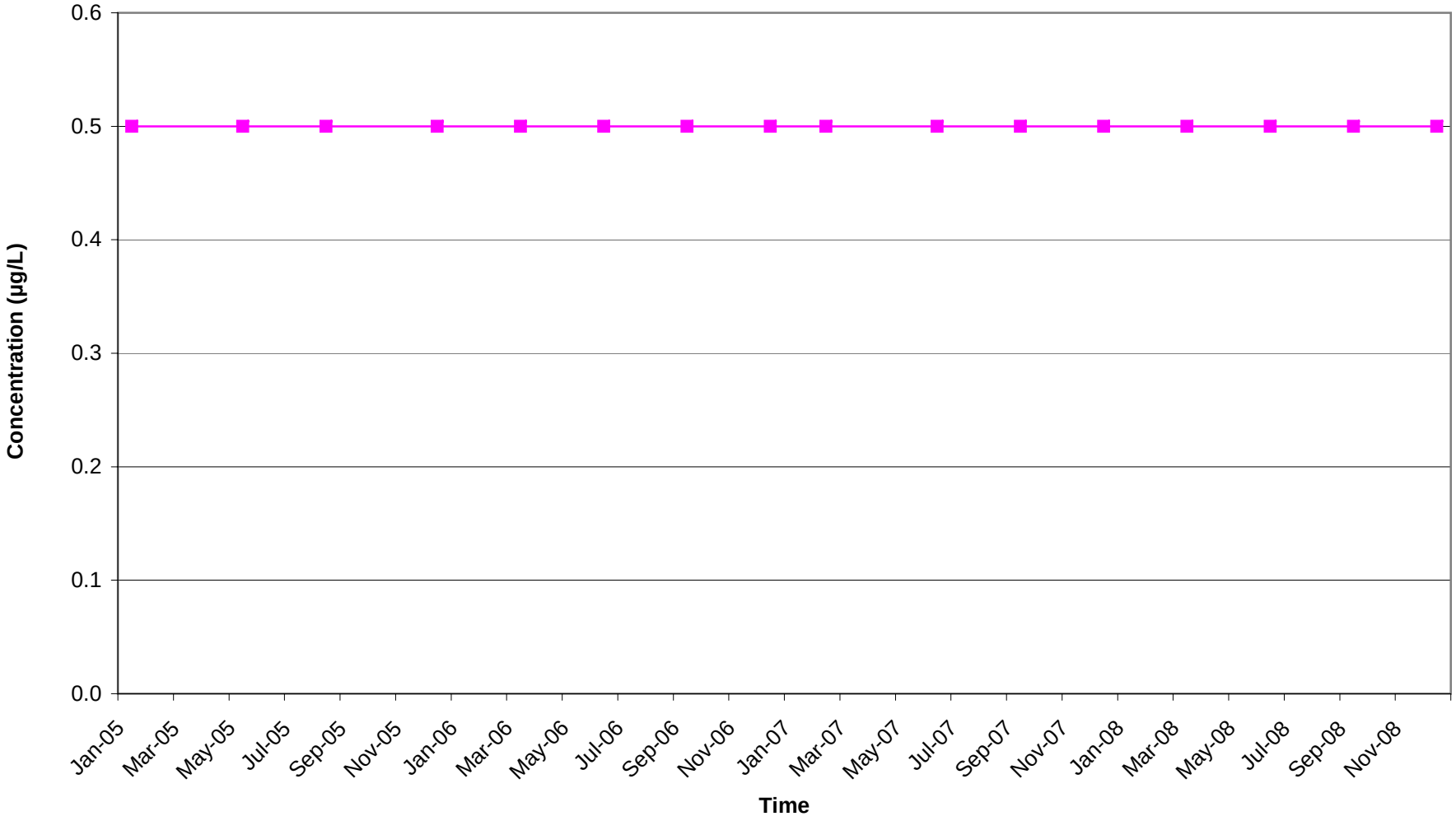
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-5S)

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



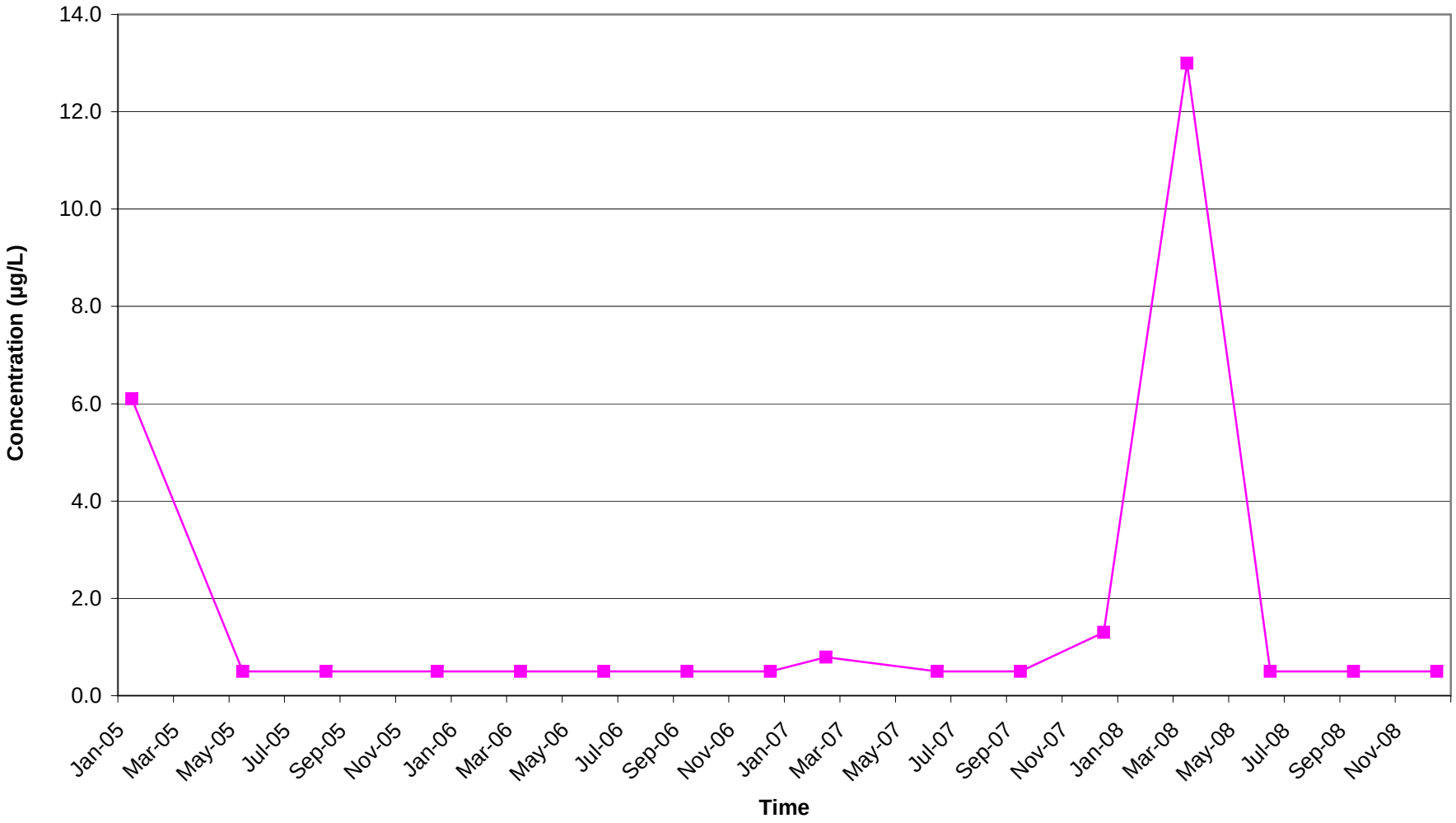
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-5D)

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



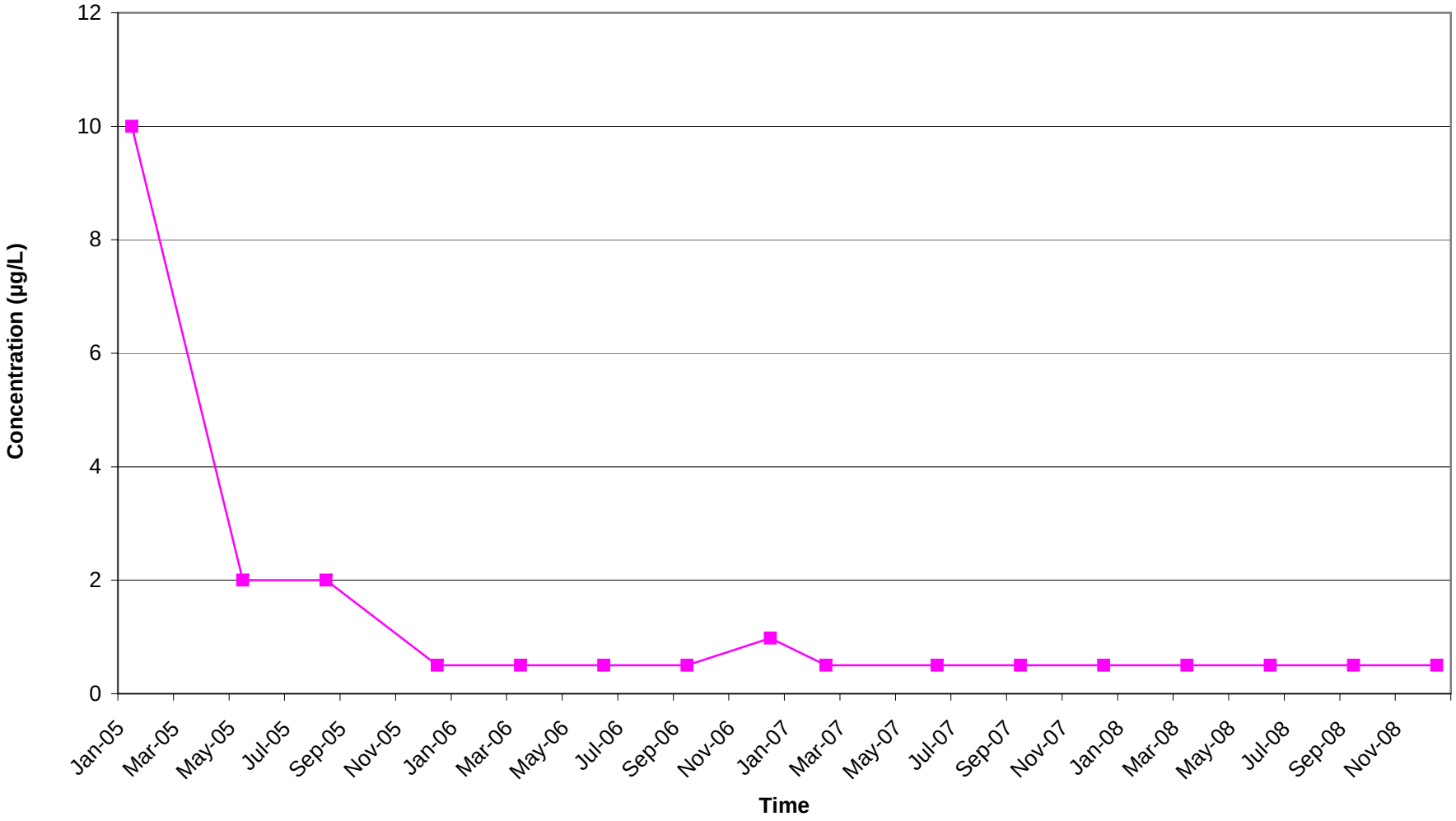
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-6S)

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



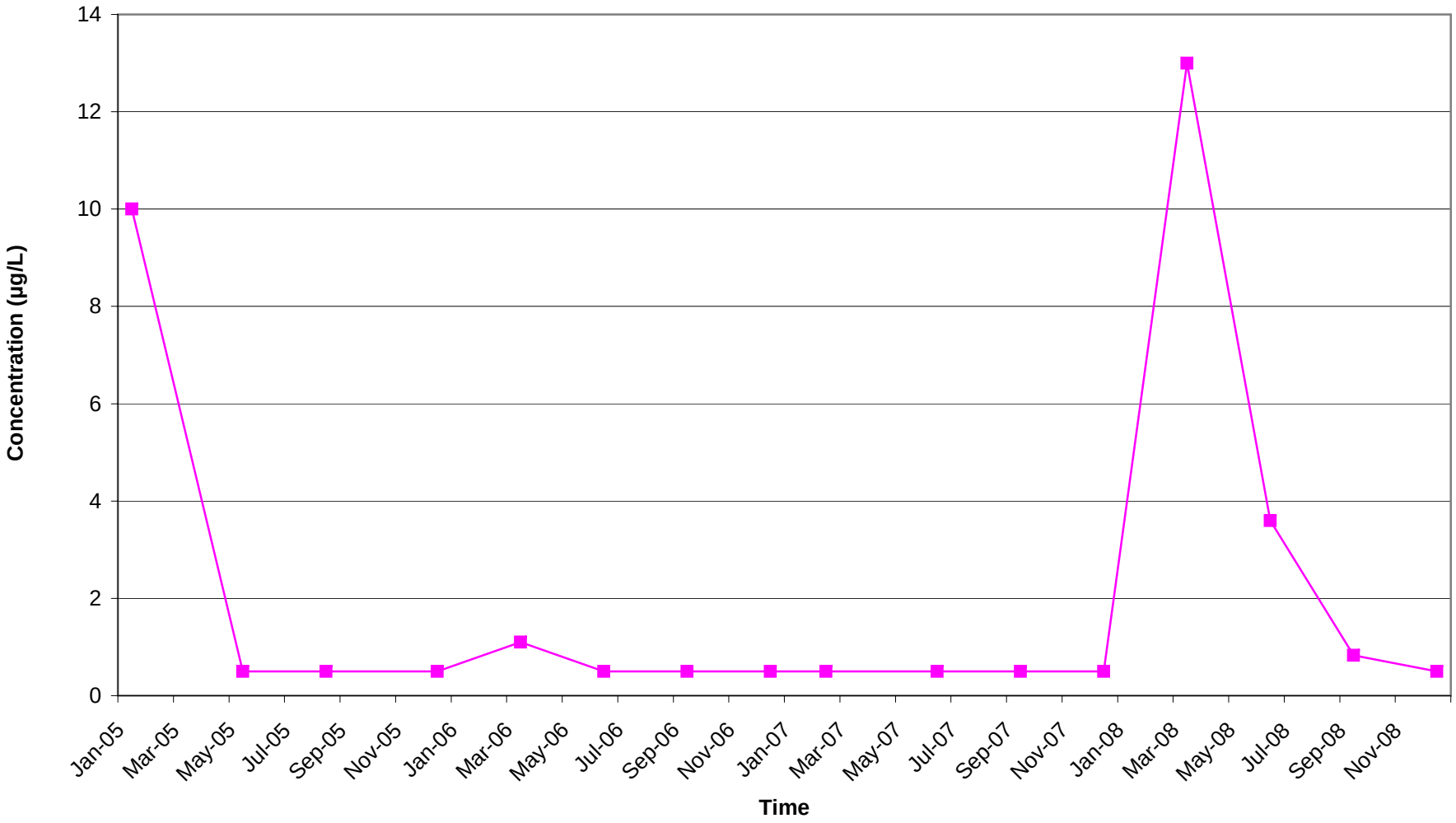
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-6D)

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



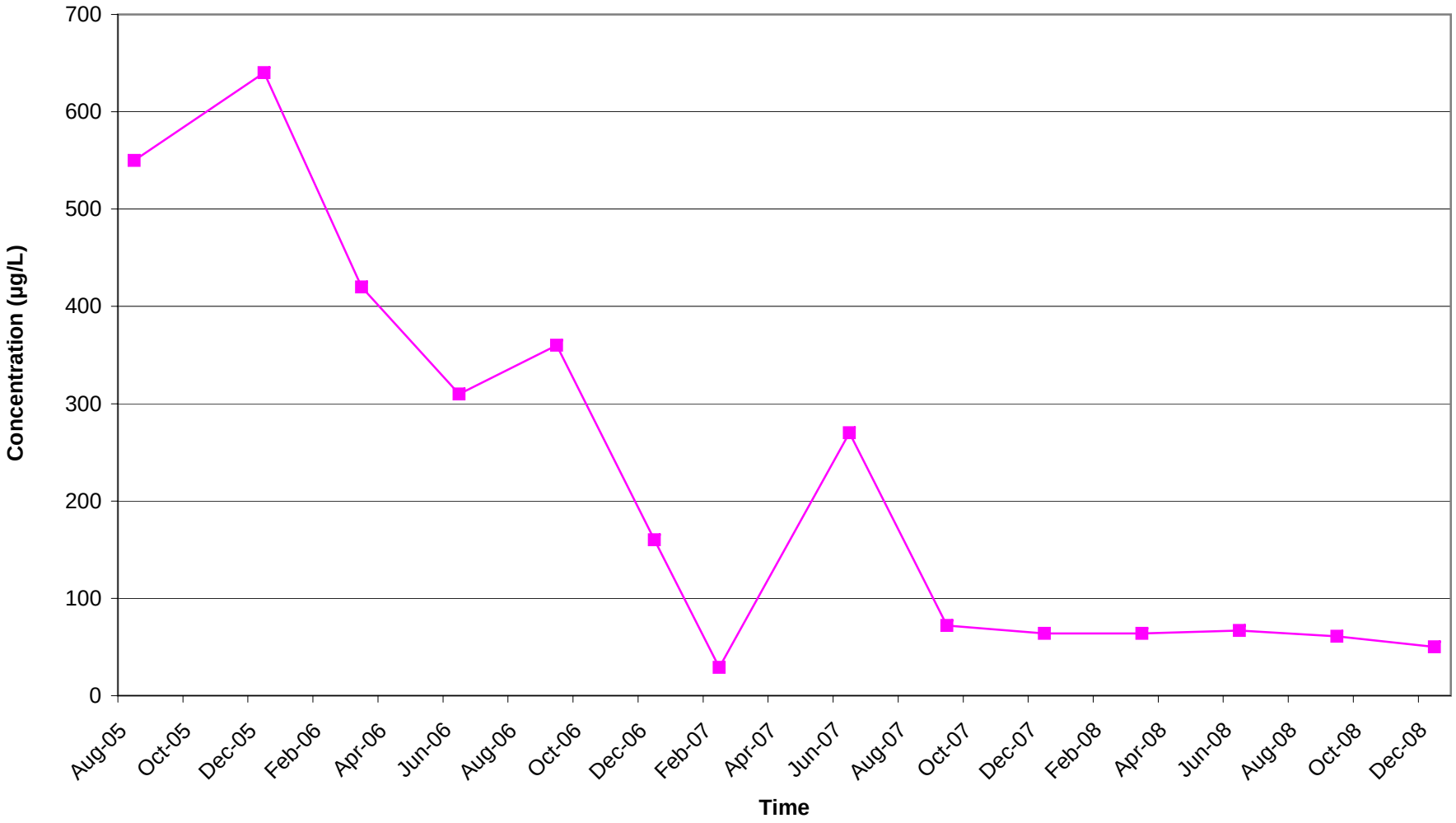
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-7S)

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



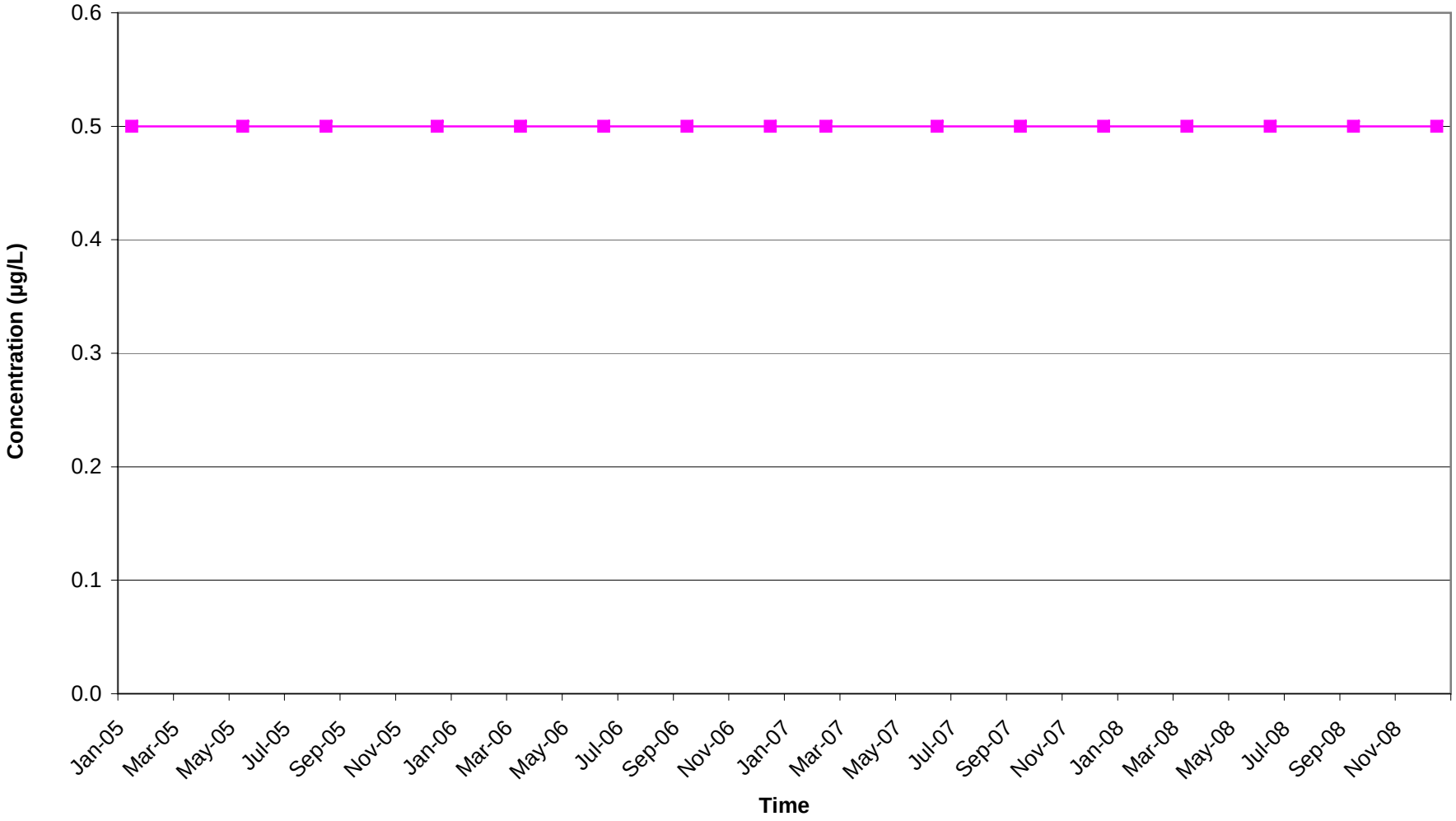
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-7D)

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



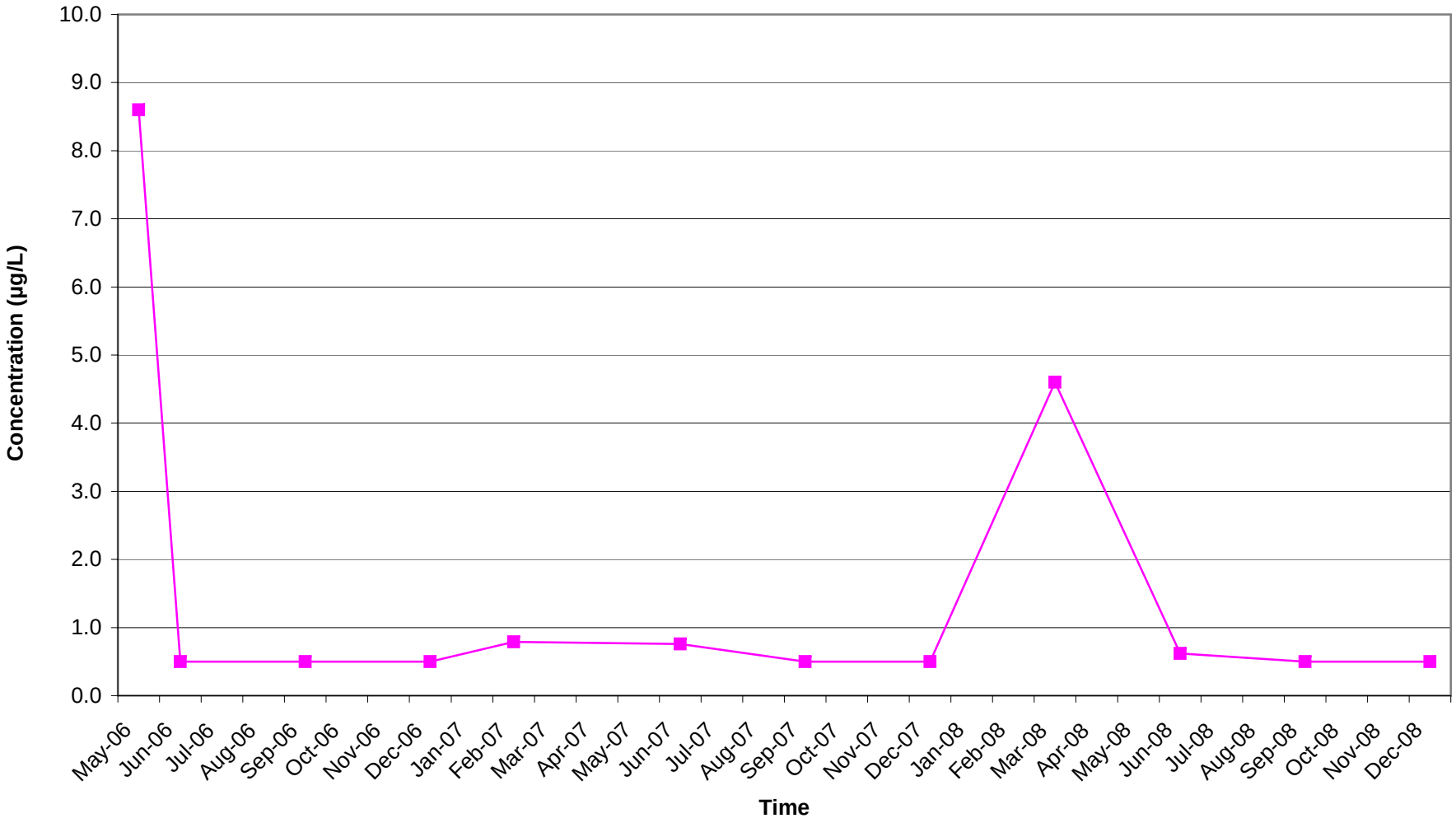
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-8)

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



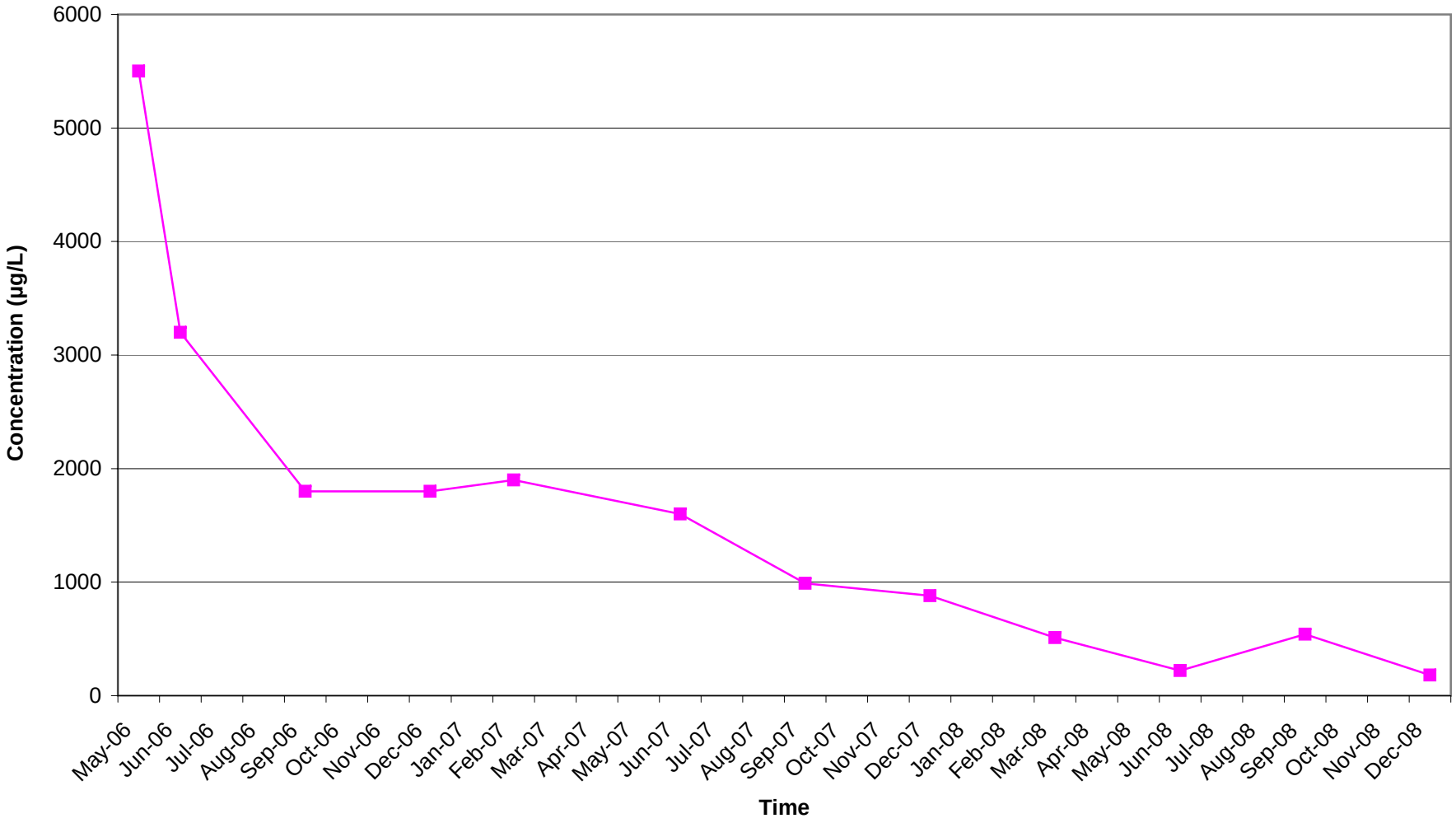
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-9S)

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



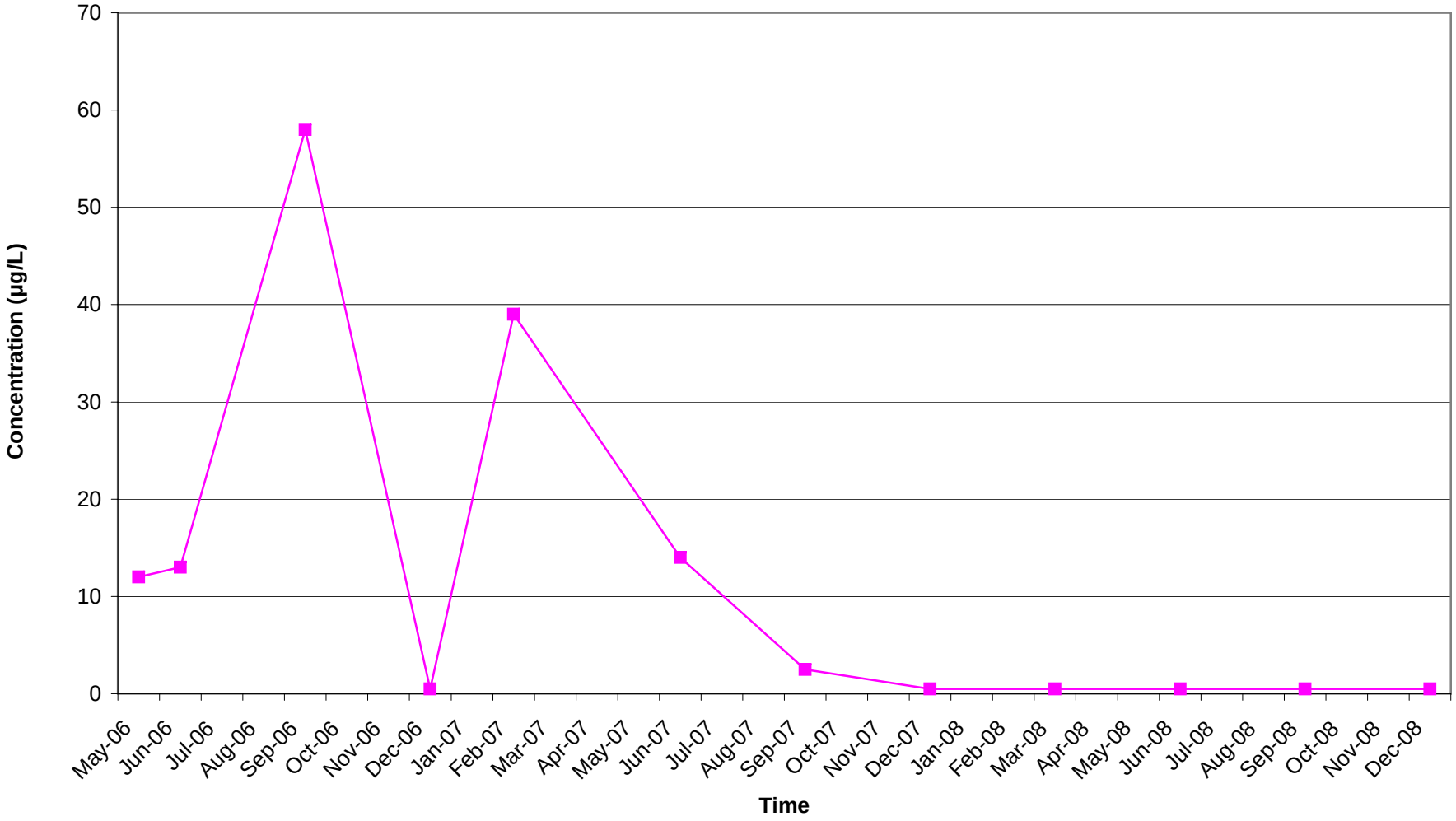
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-9D)

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



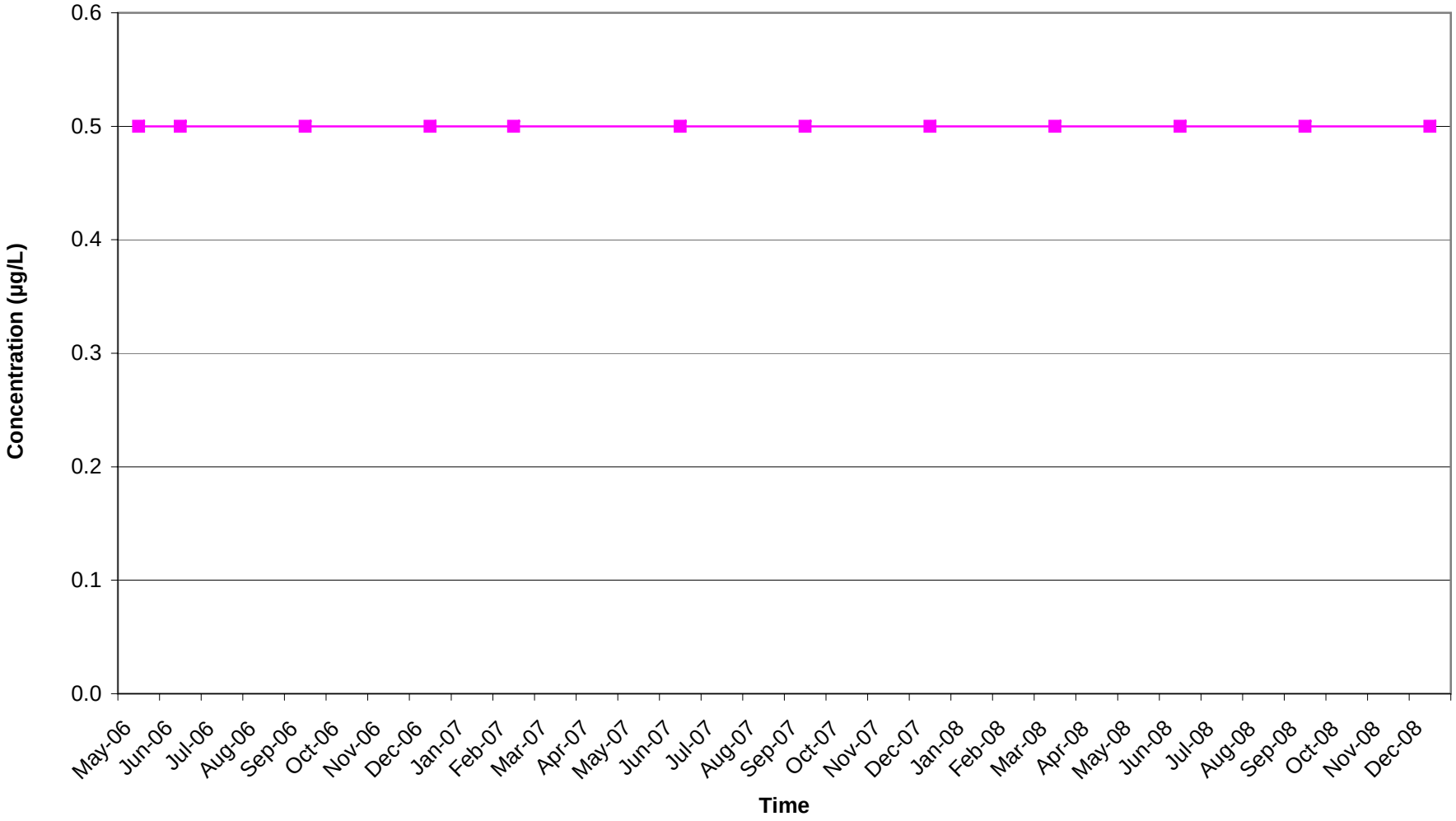
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-9LF)

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



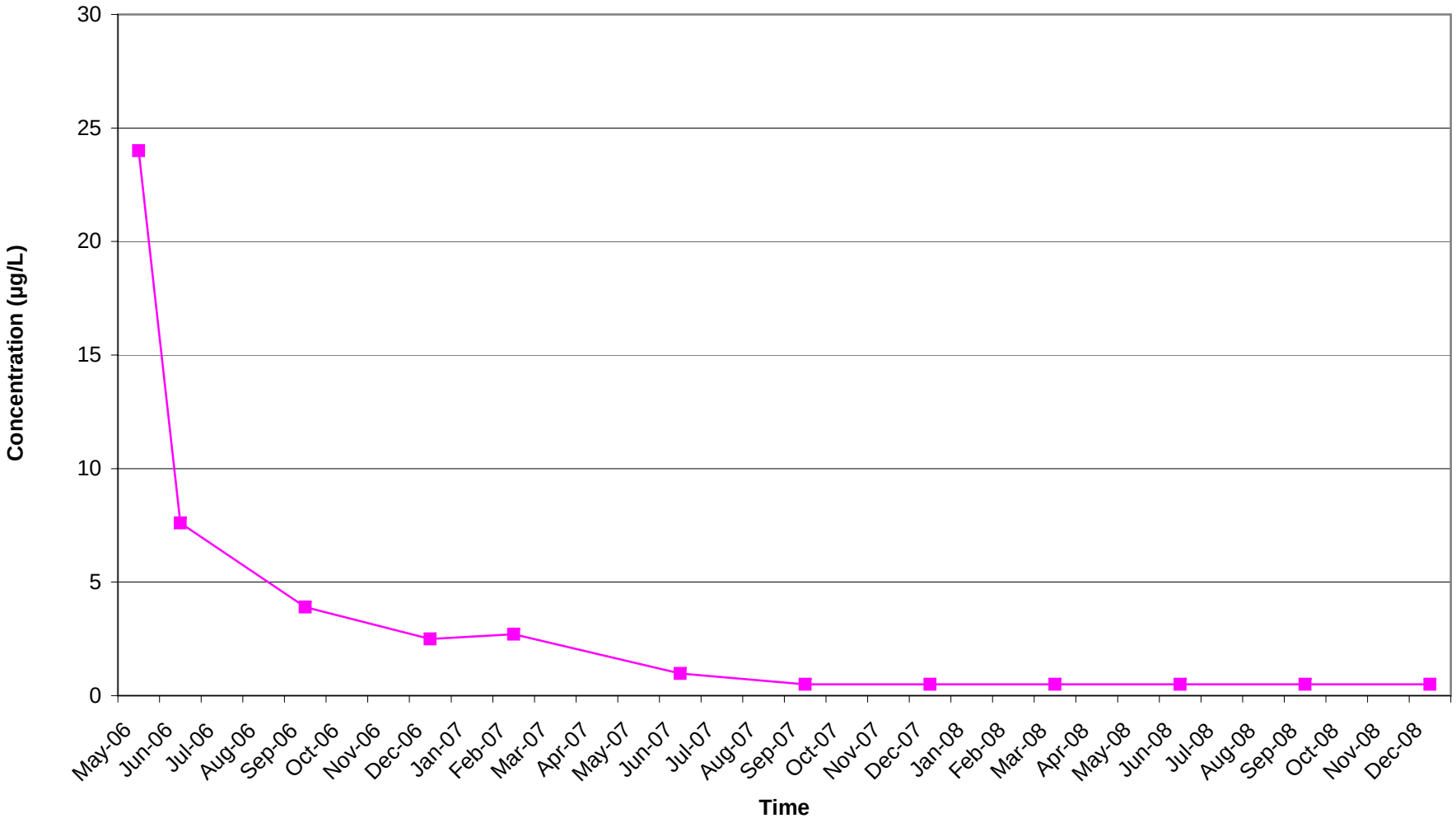
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-10S)

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



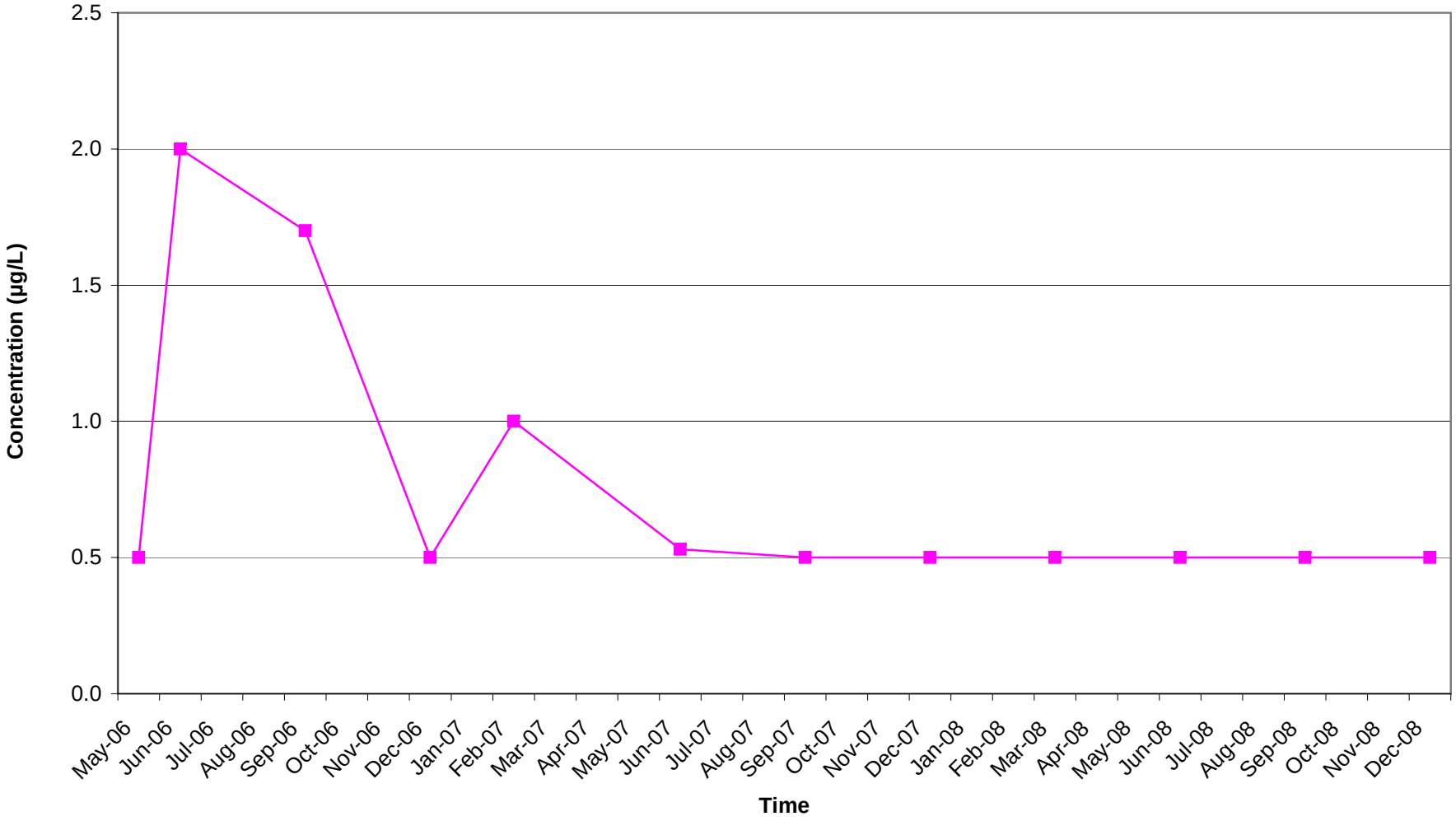
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-10D)

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



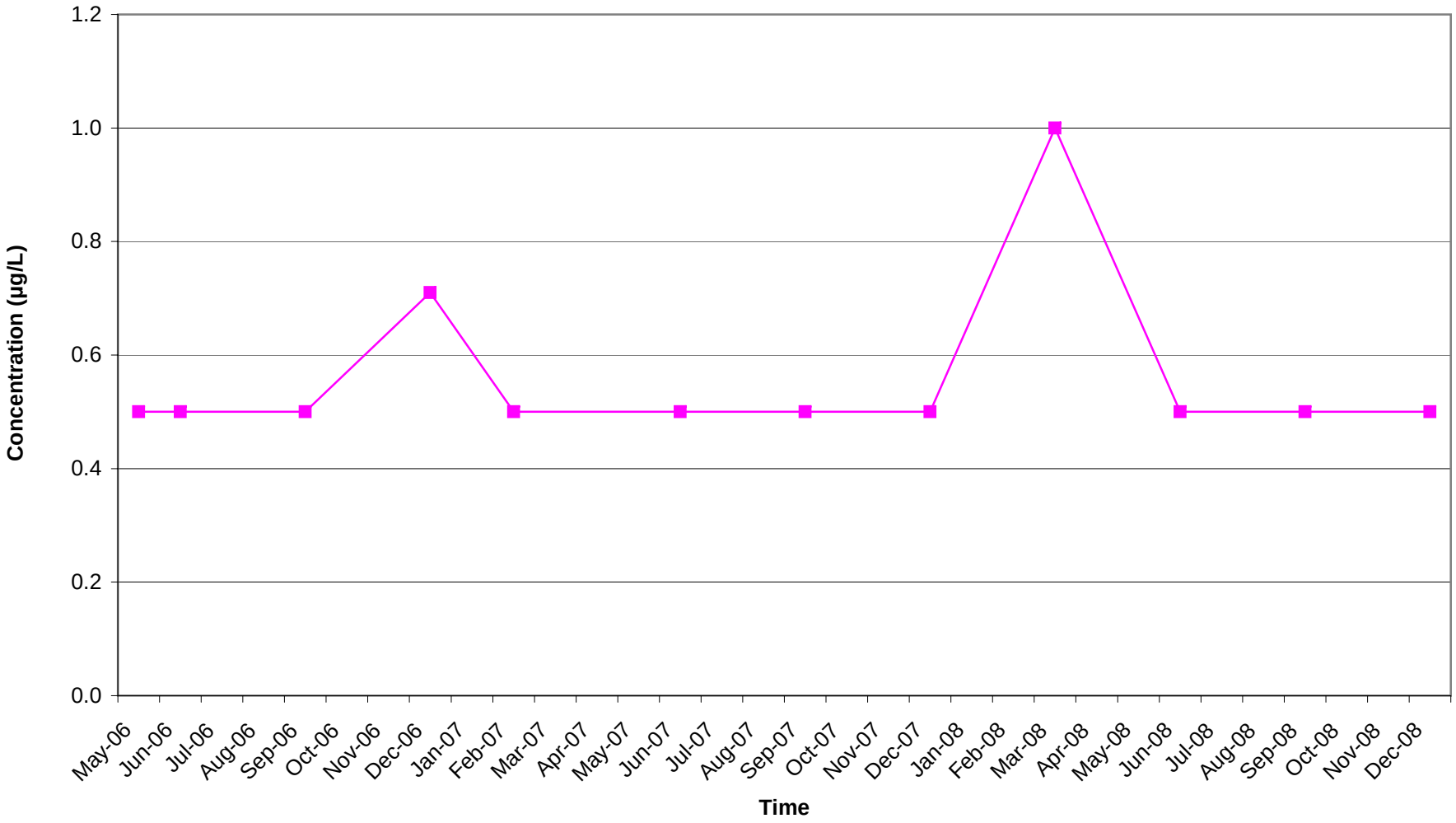
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-10LF)

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



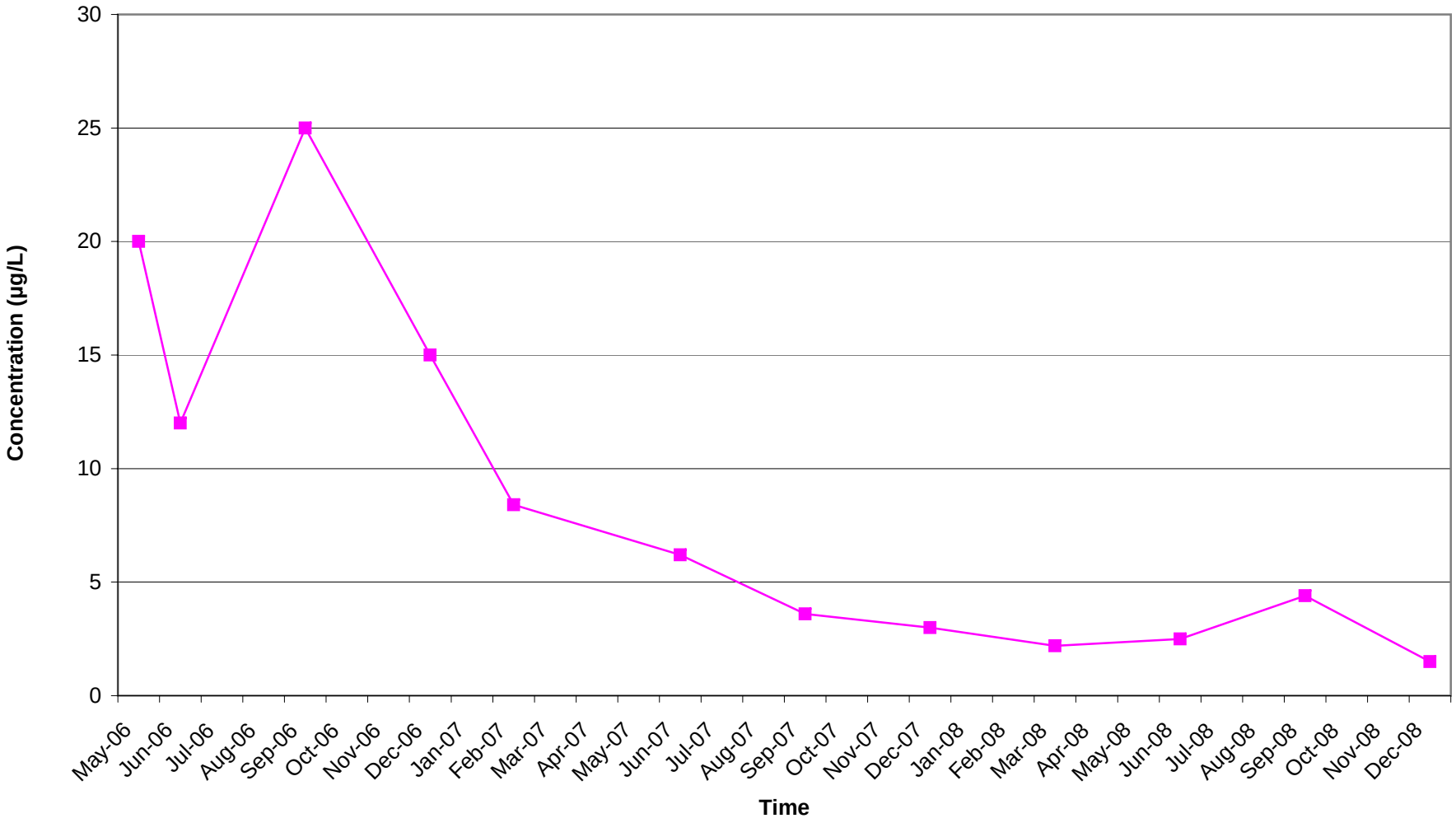
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-11S)

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



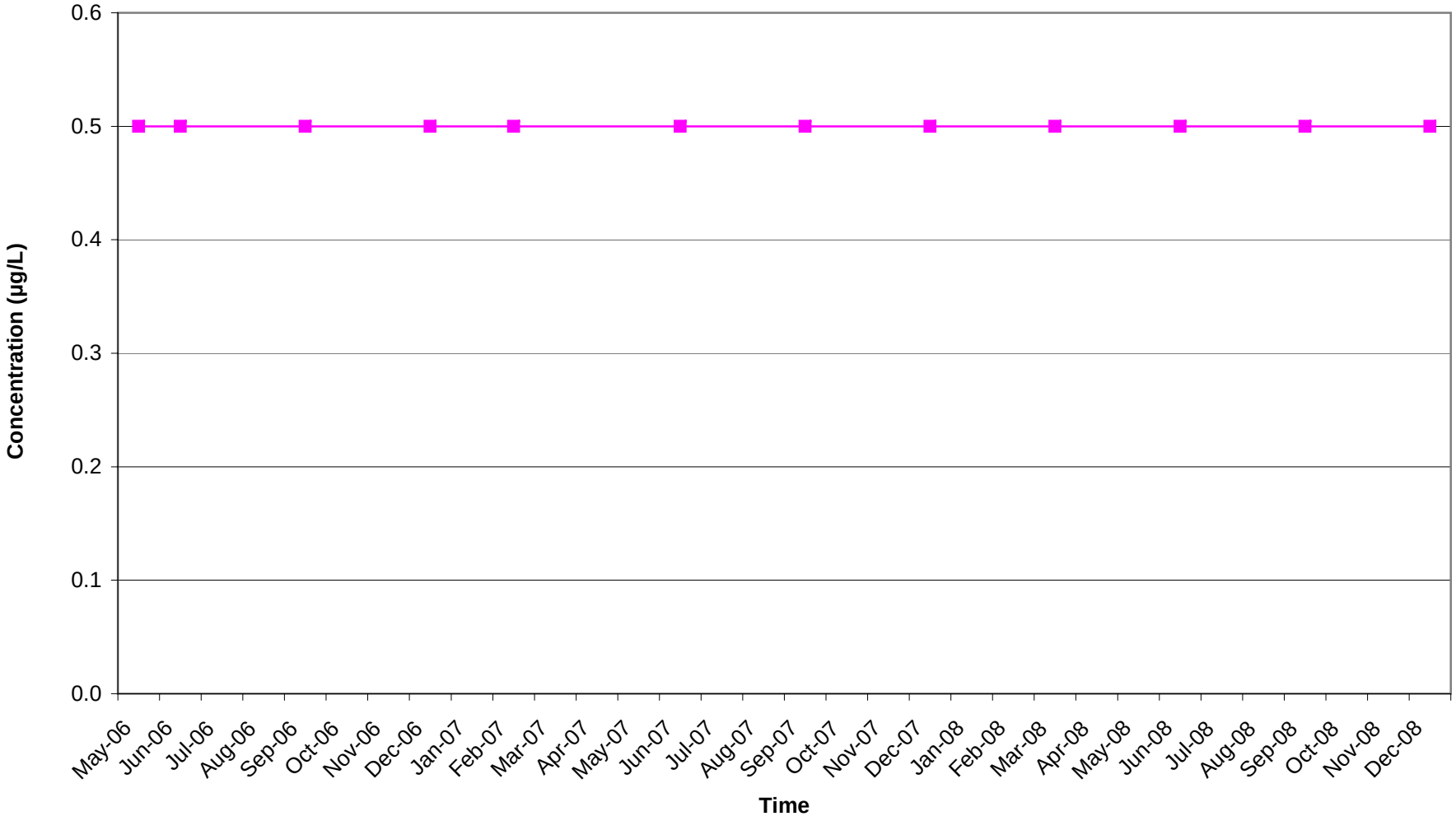
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-11D)

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



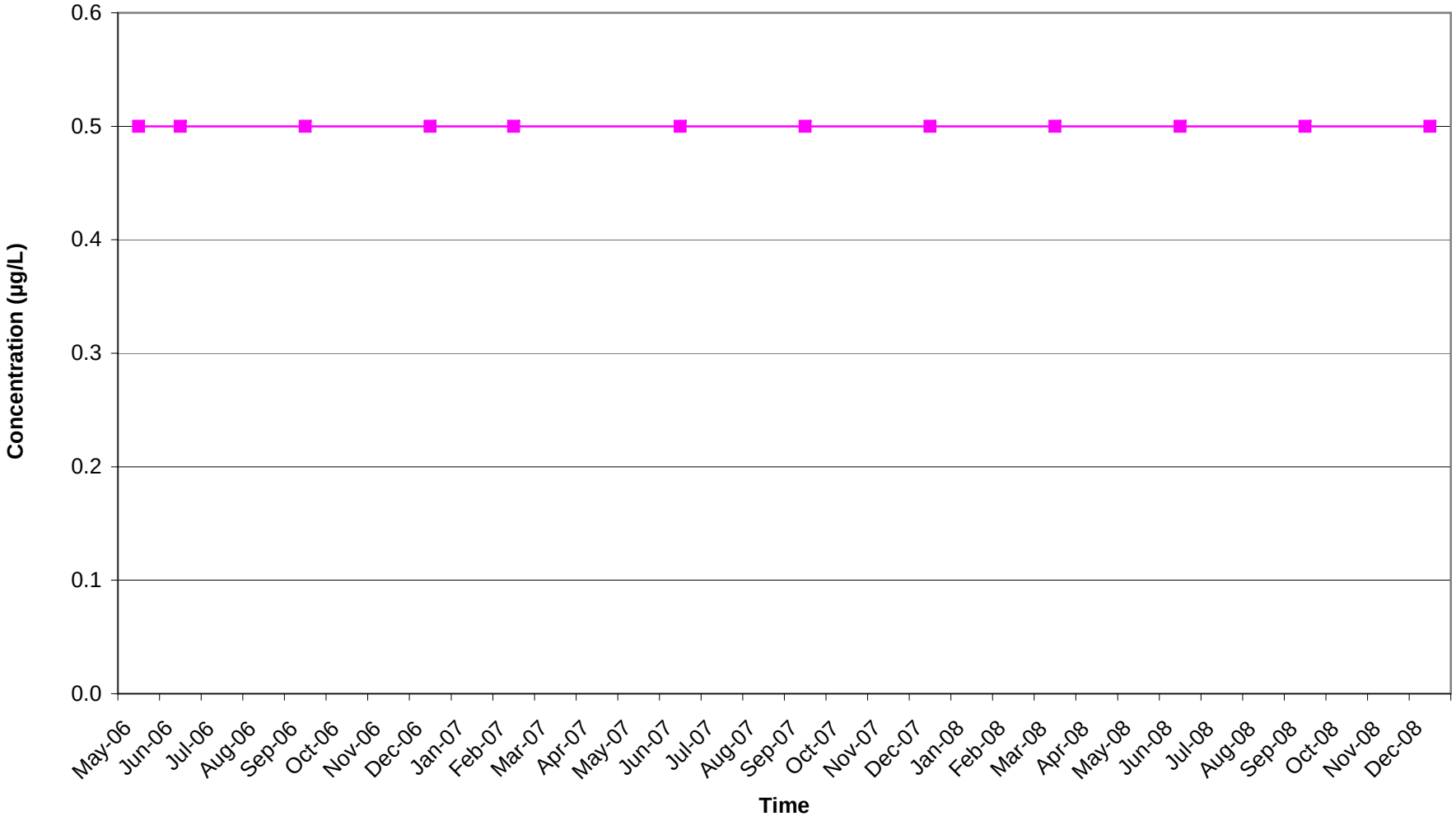
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-11LF)

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



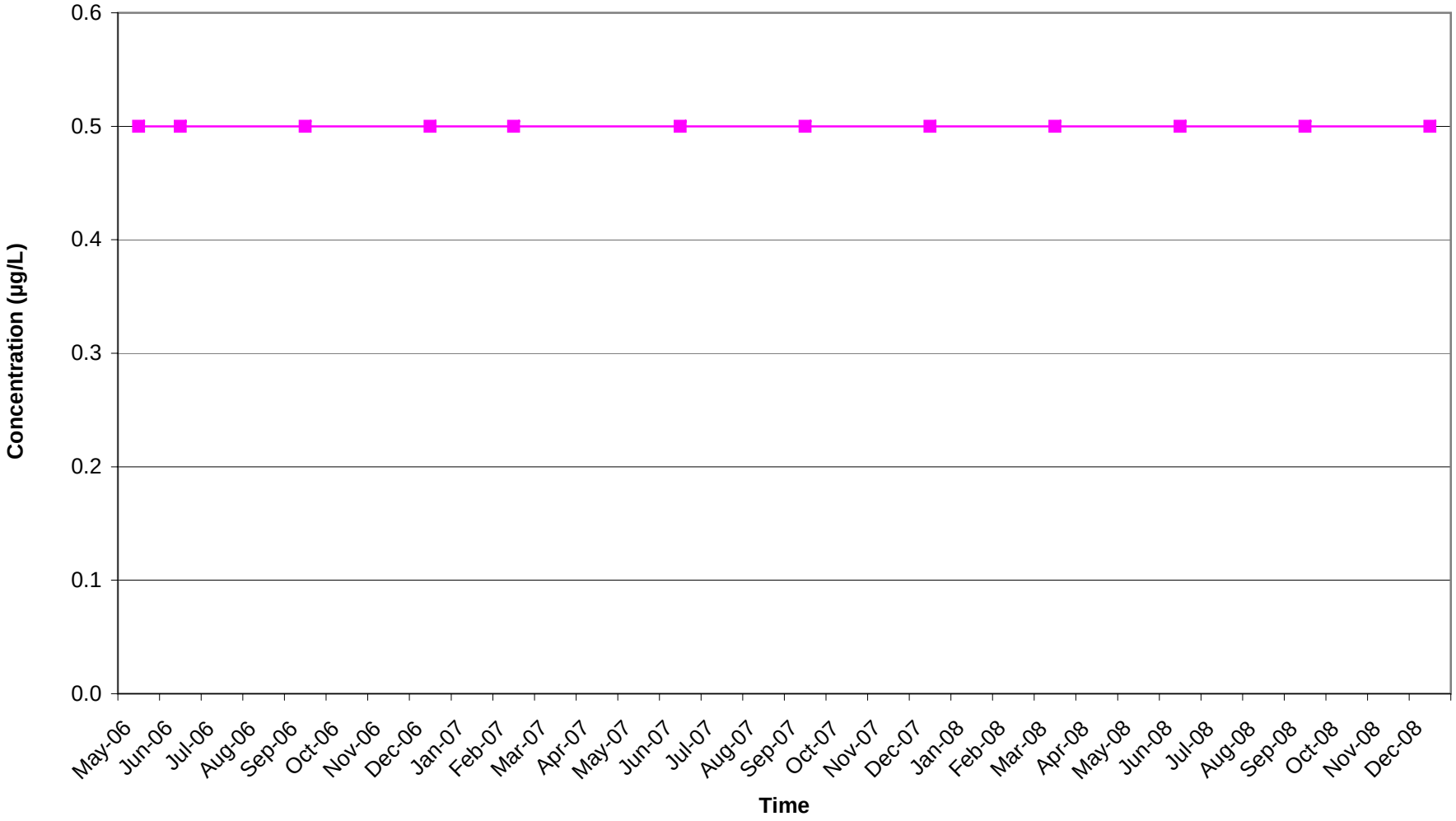
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-12S)

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



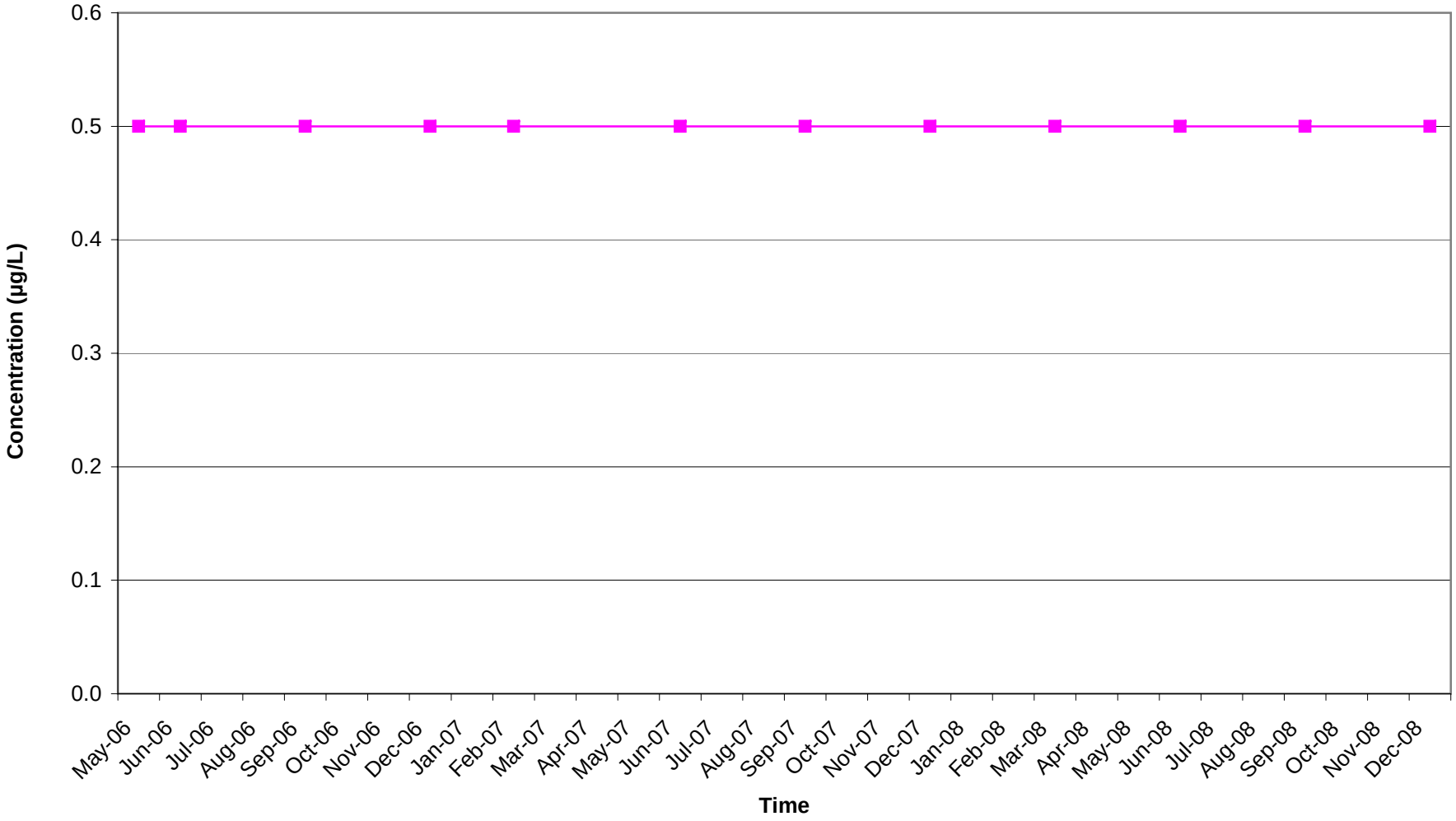
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-12D)

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



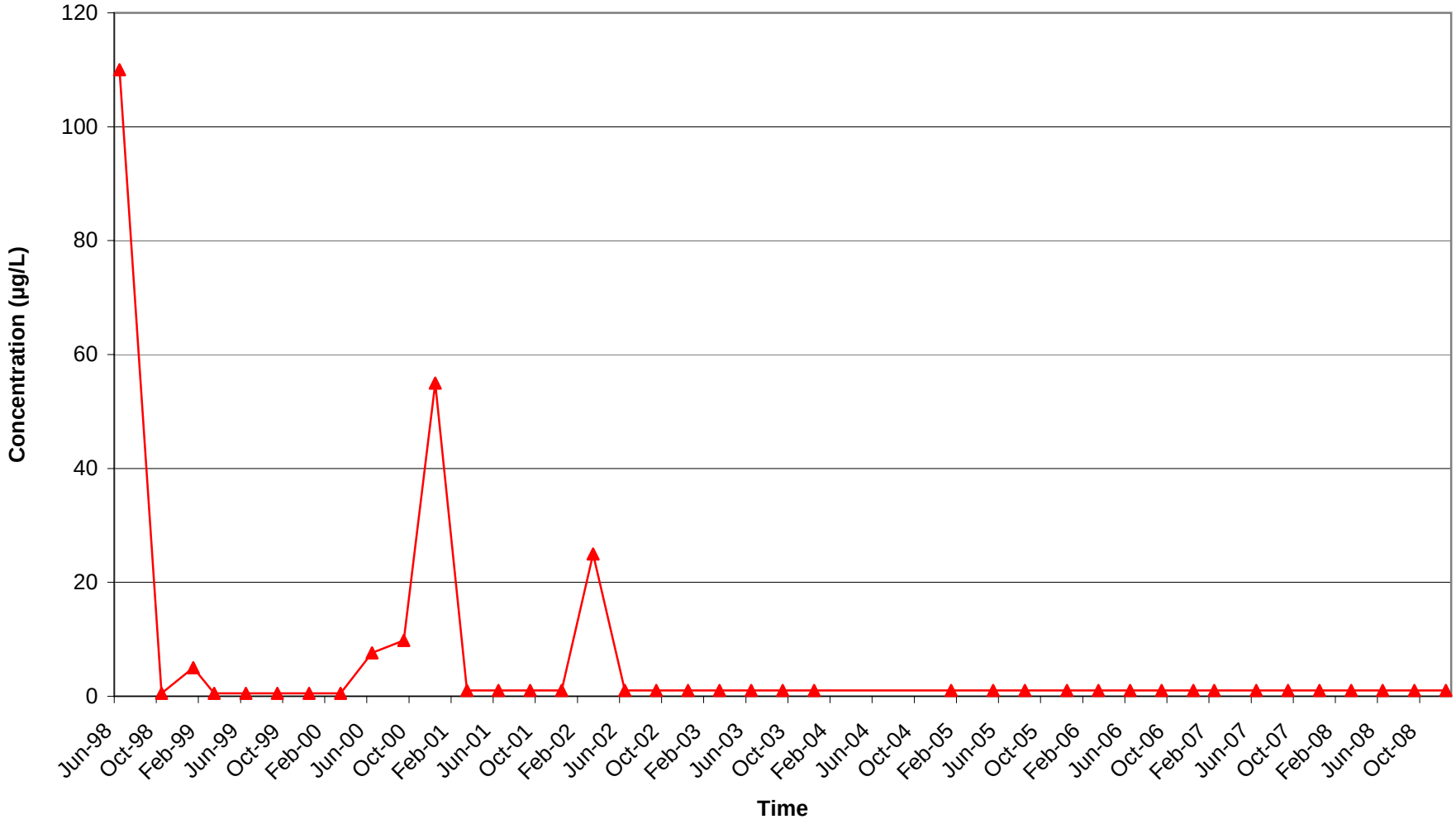
## CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-12LF)

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



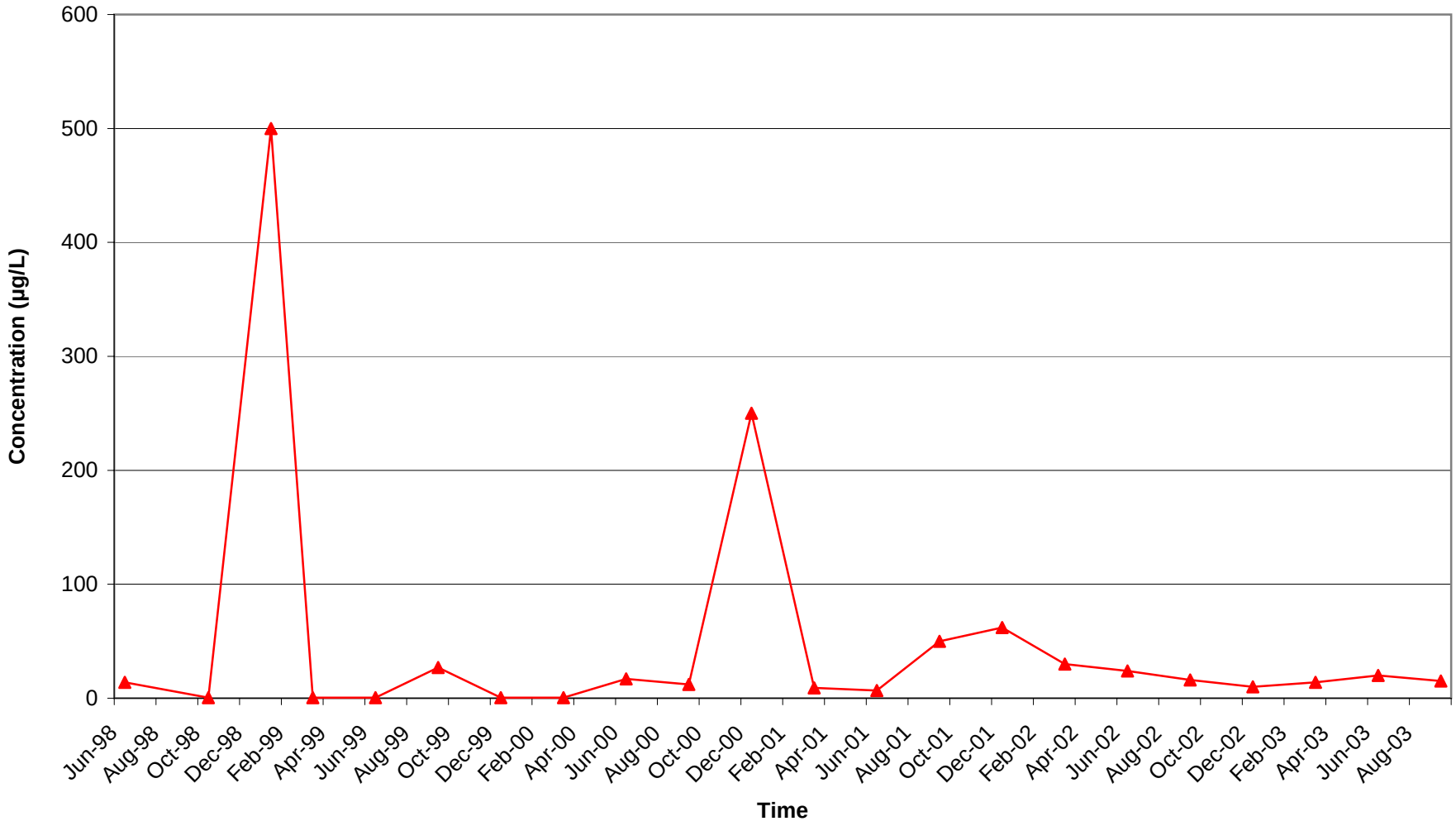
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-1)

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



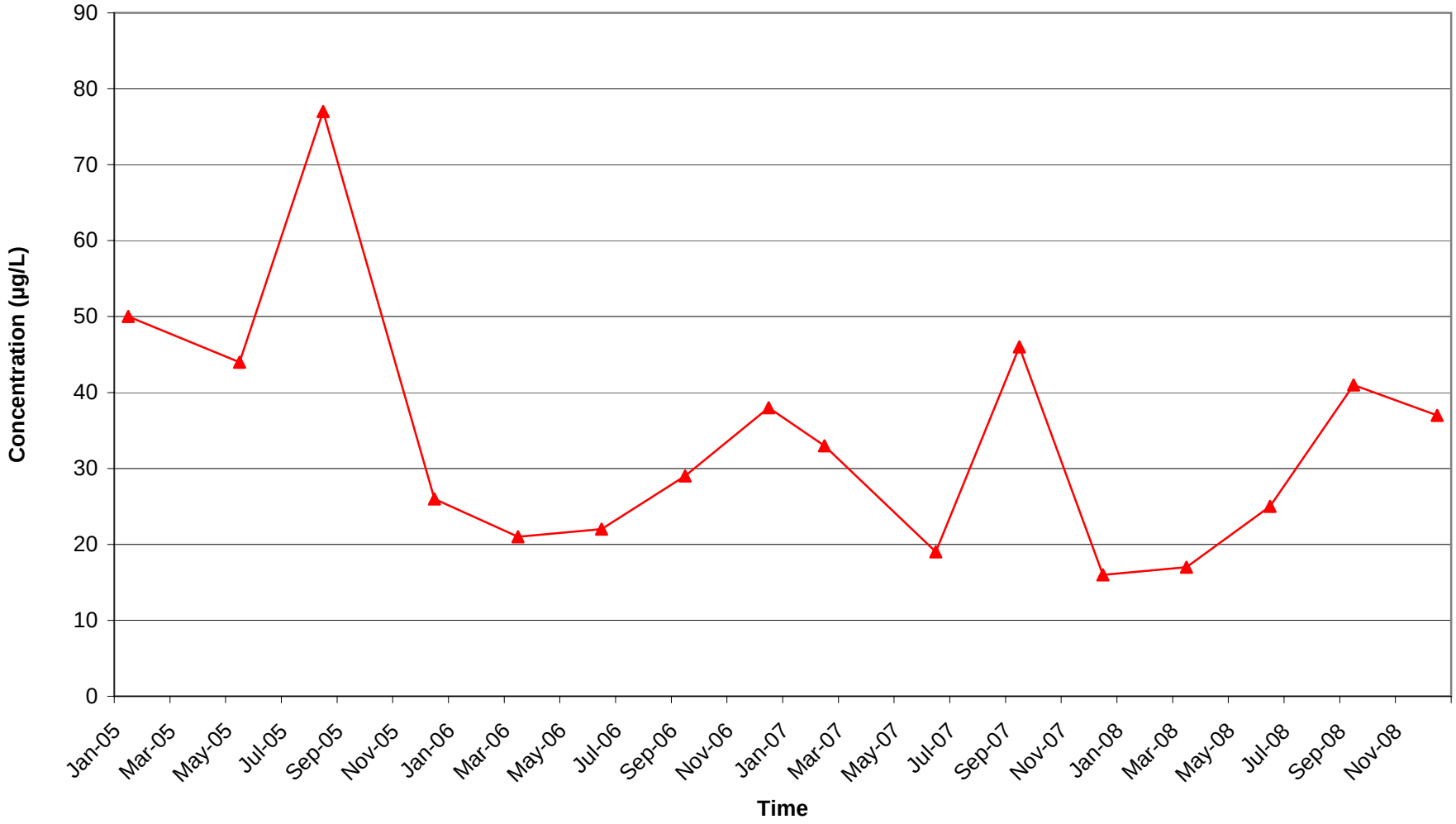
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-2)

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



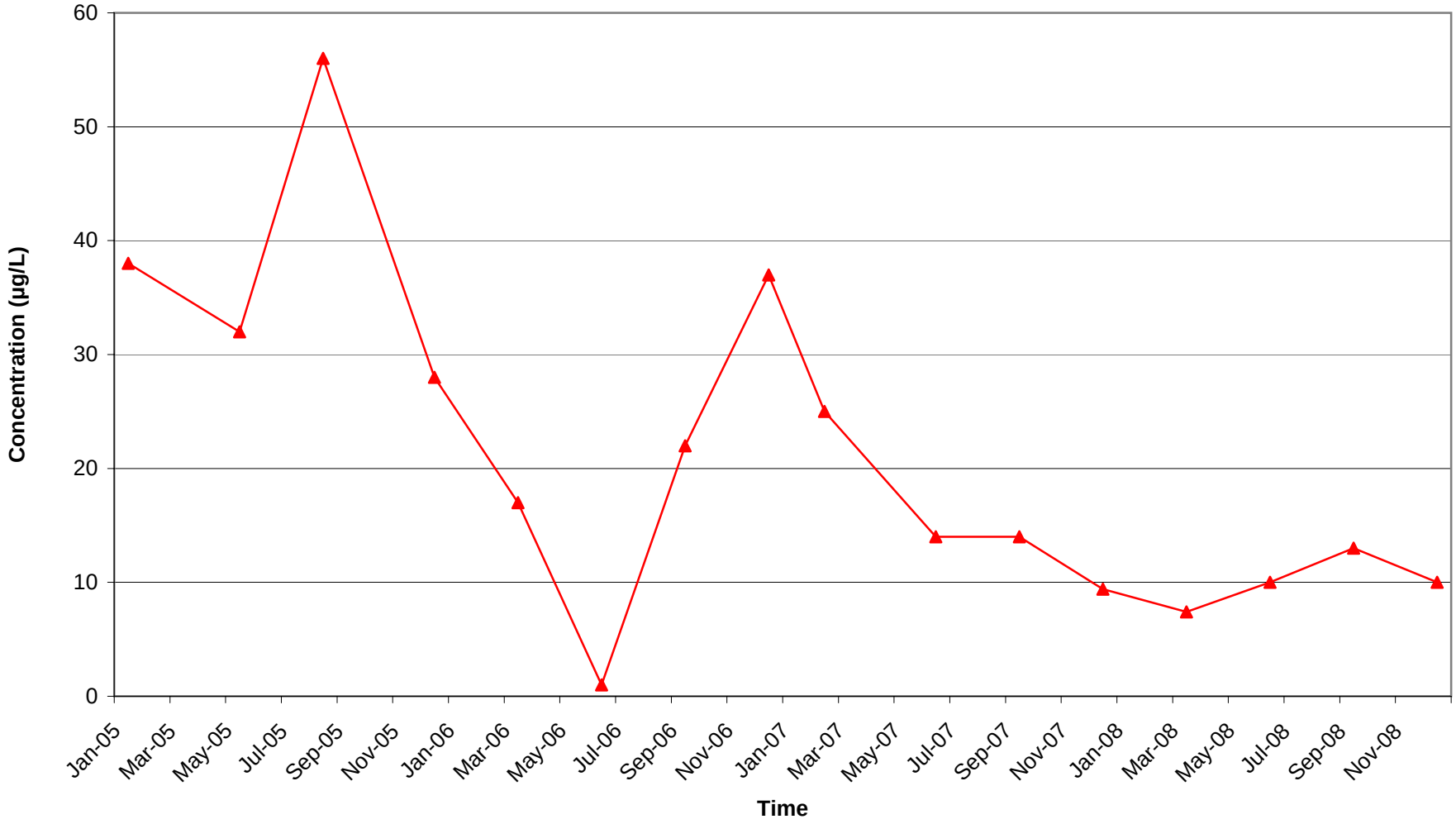
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-2S)

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



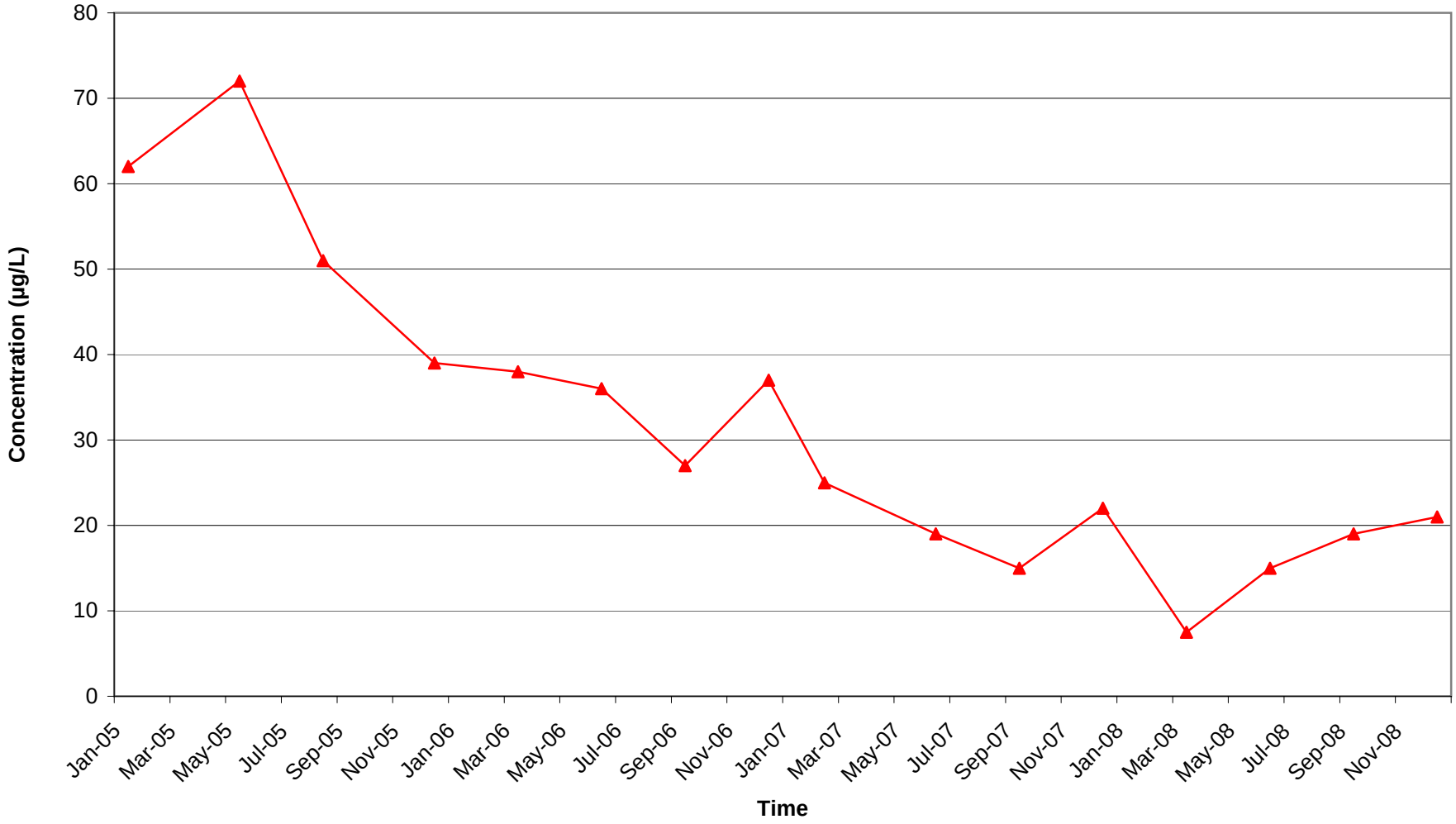
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-2M)

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



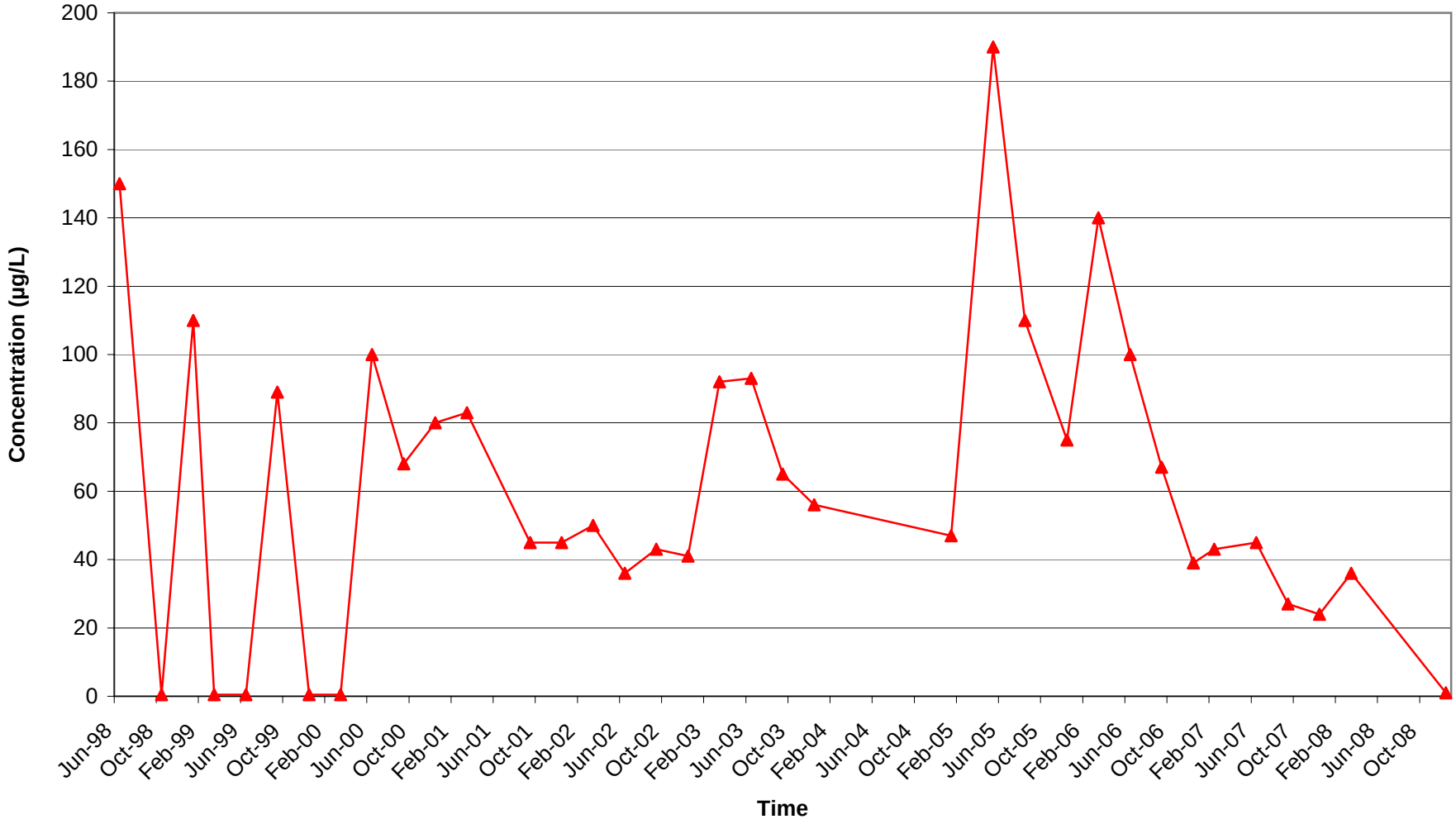
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-2D)

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



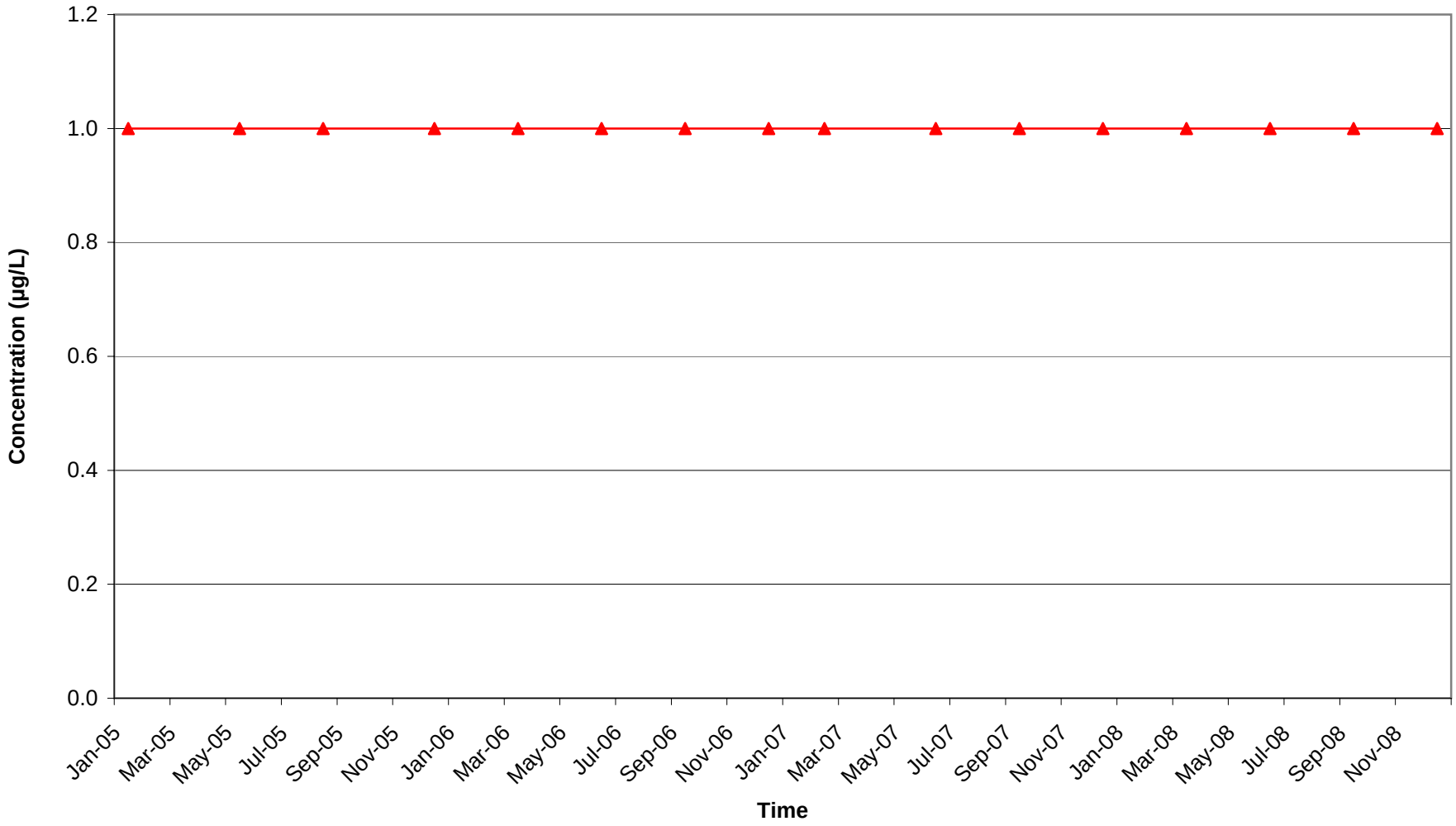
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-3)

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



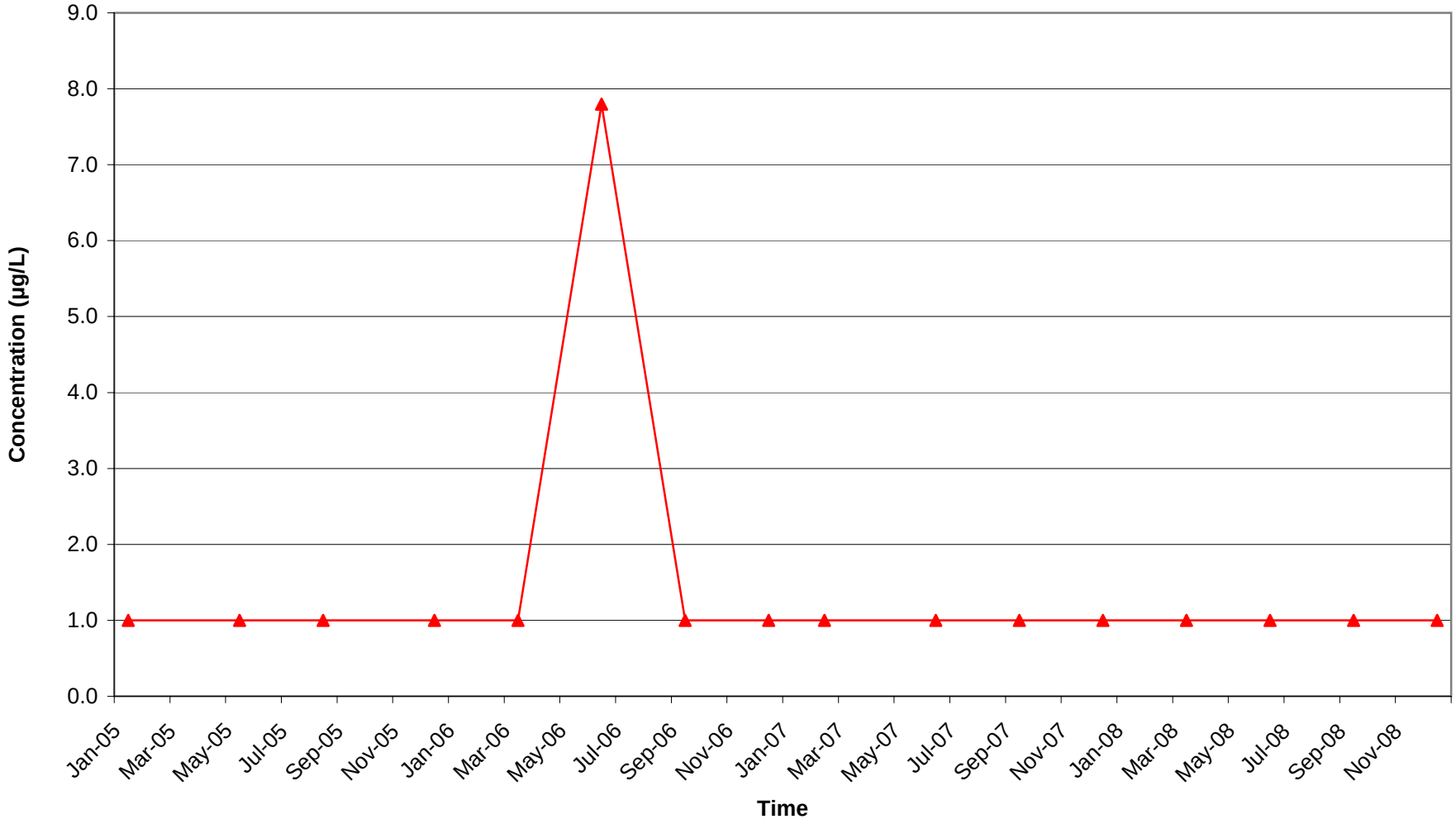
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-4S)

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



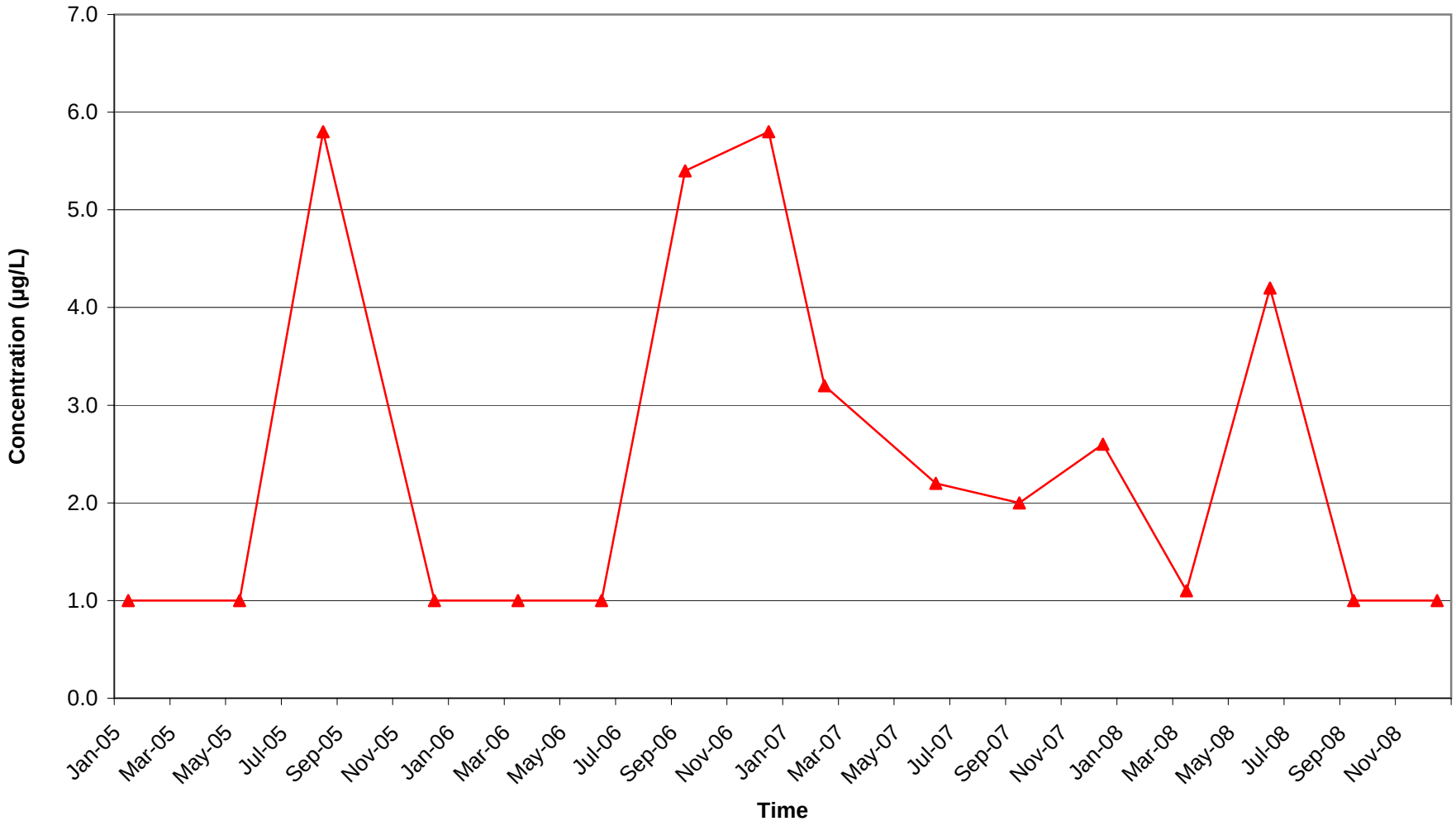
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-4D)

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



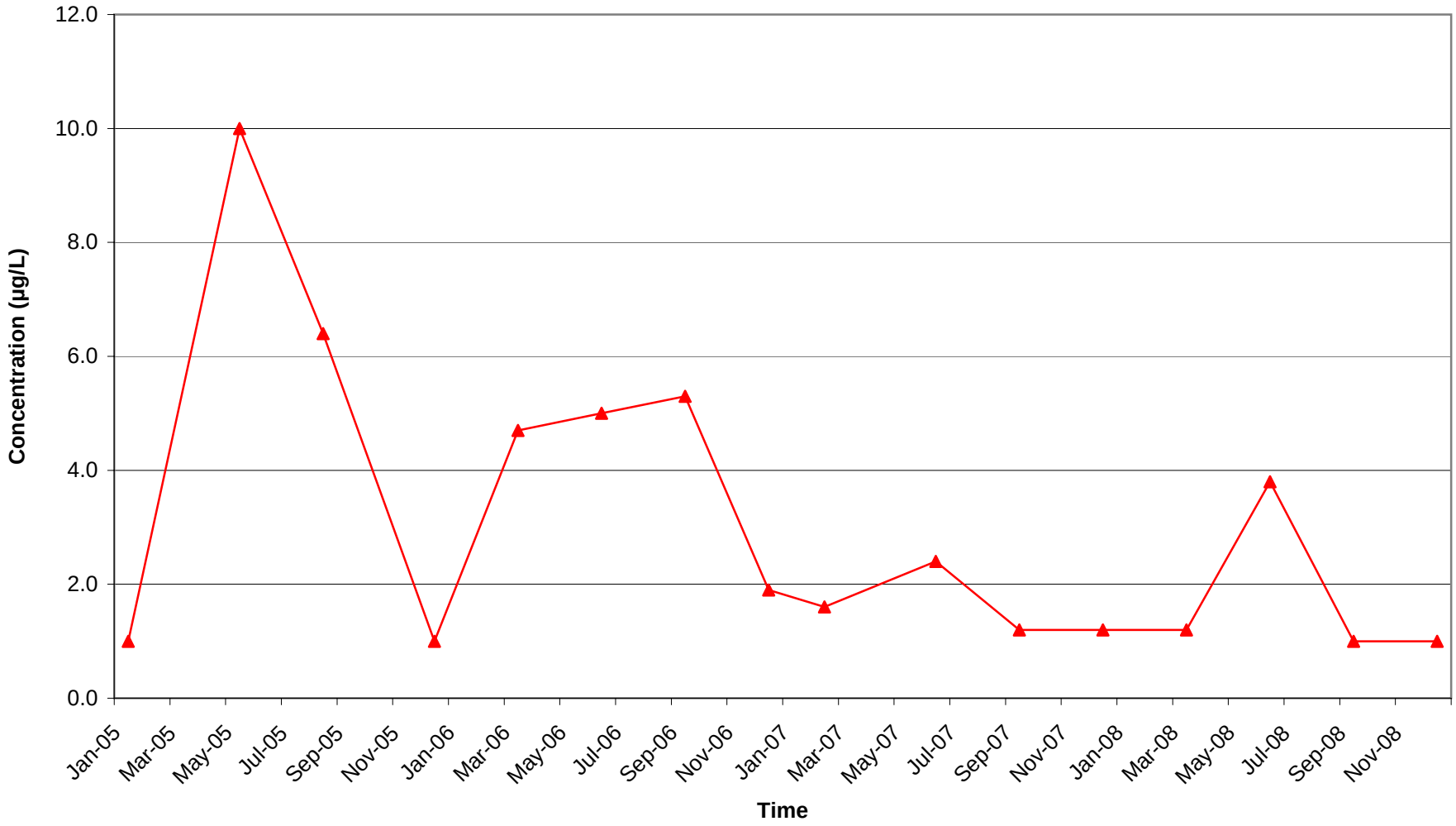
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-5S)

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



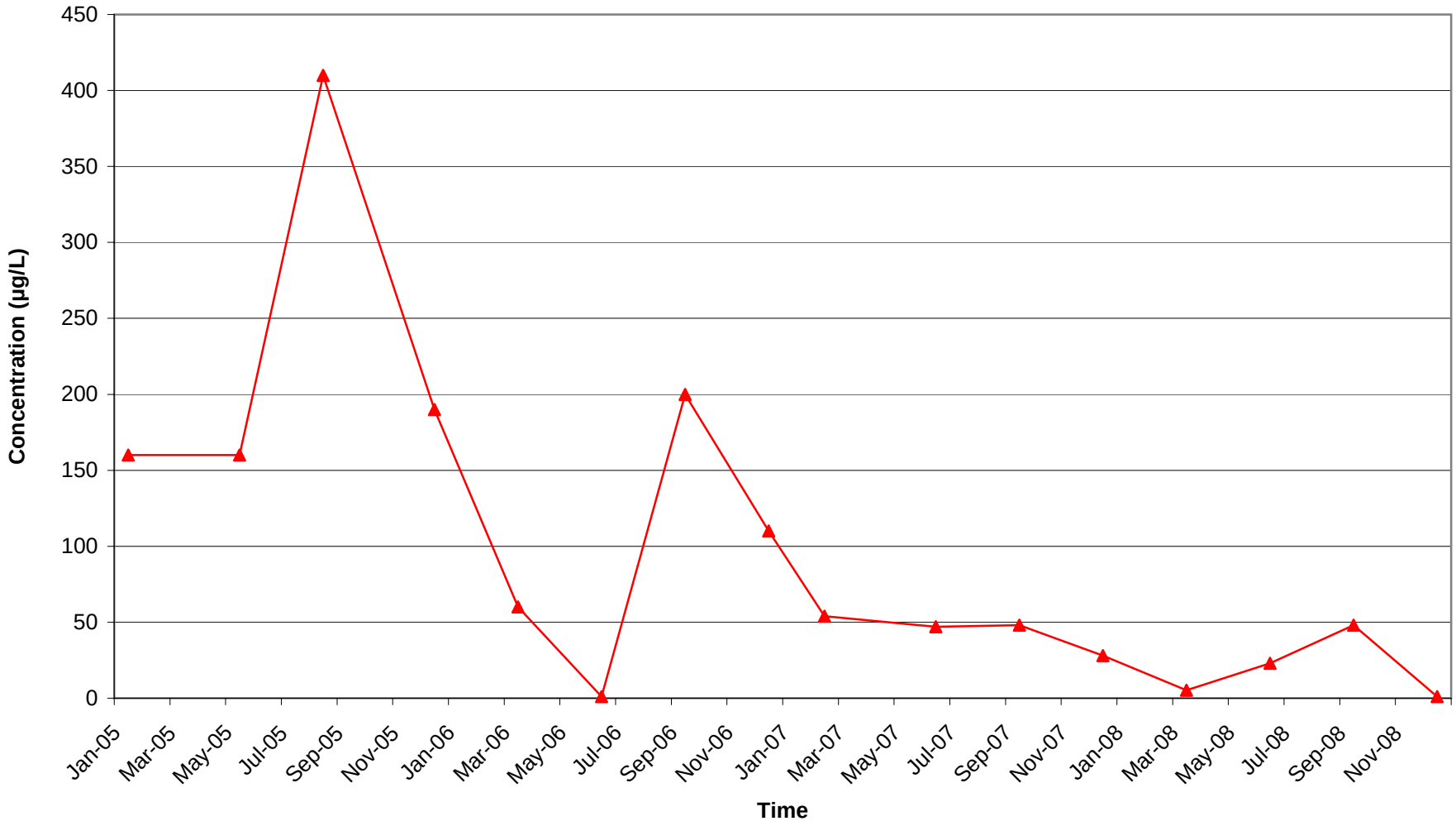
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-5D)

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



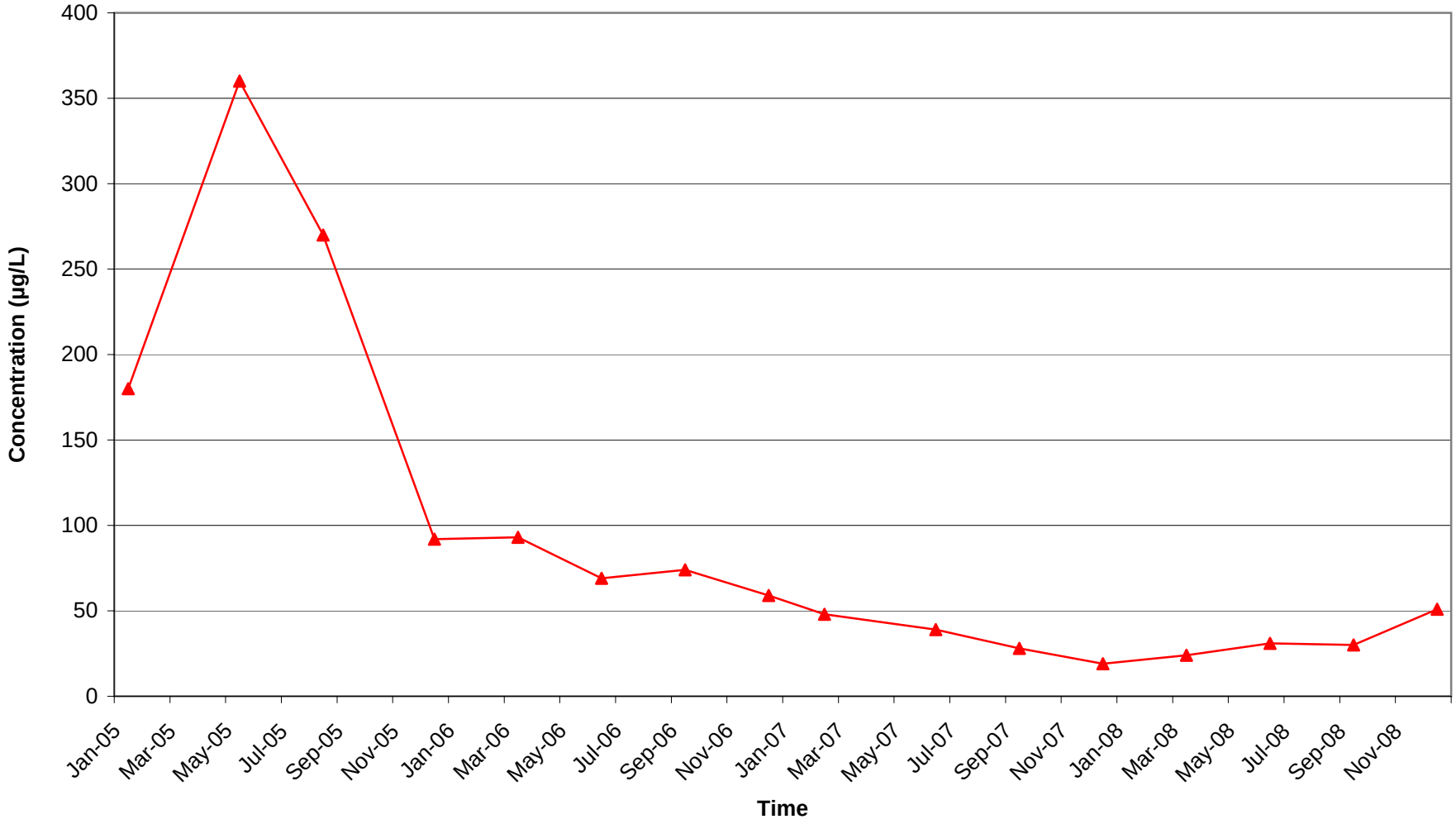
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-6S)

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



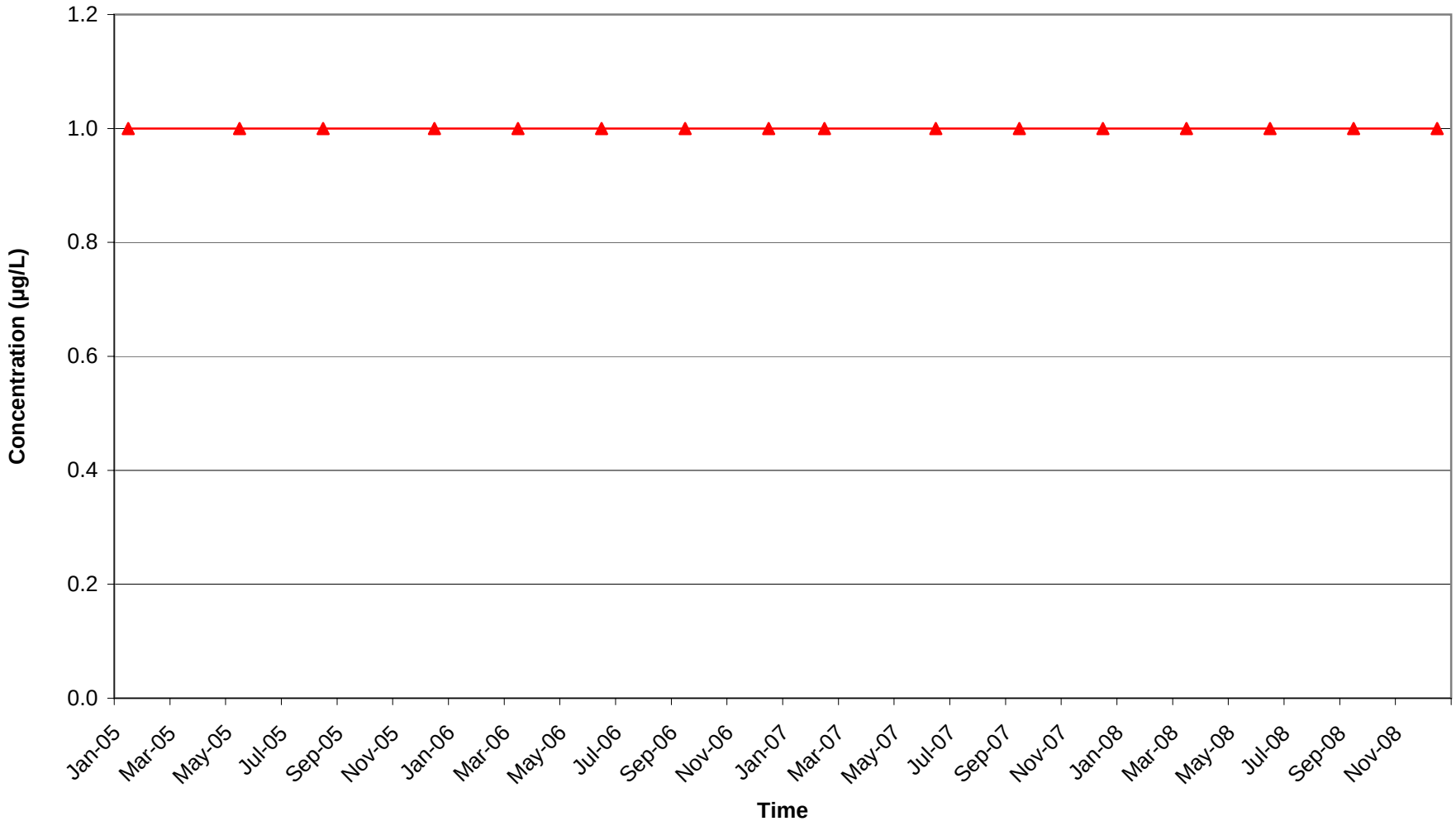
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-6D)

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



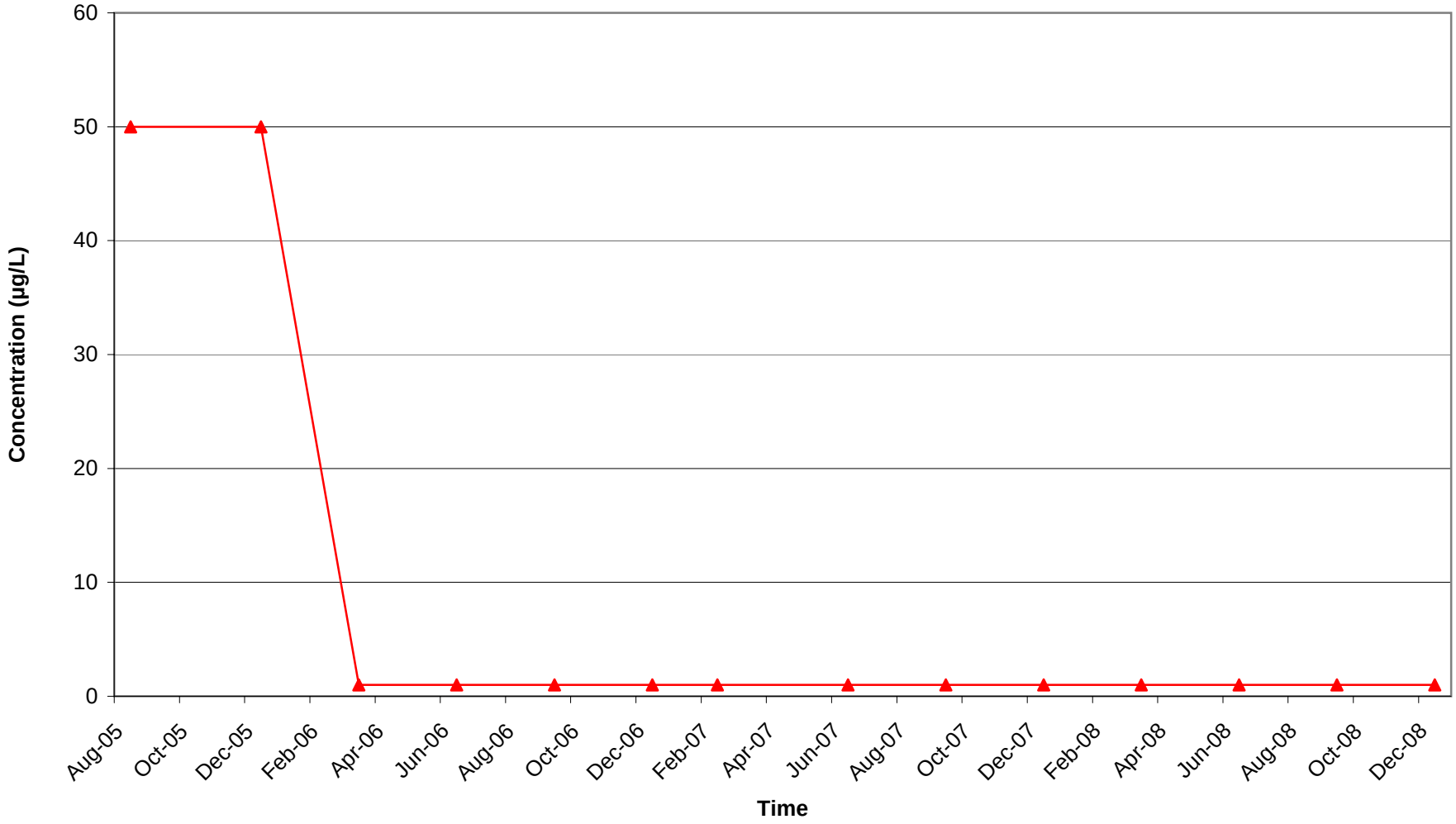
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-7S)

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



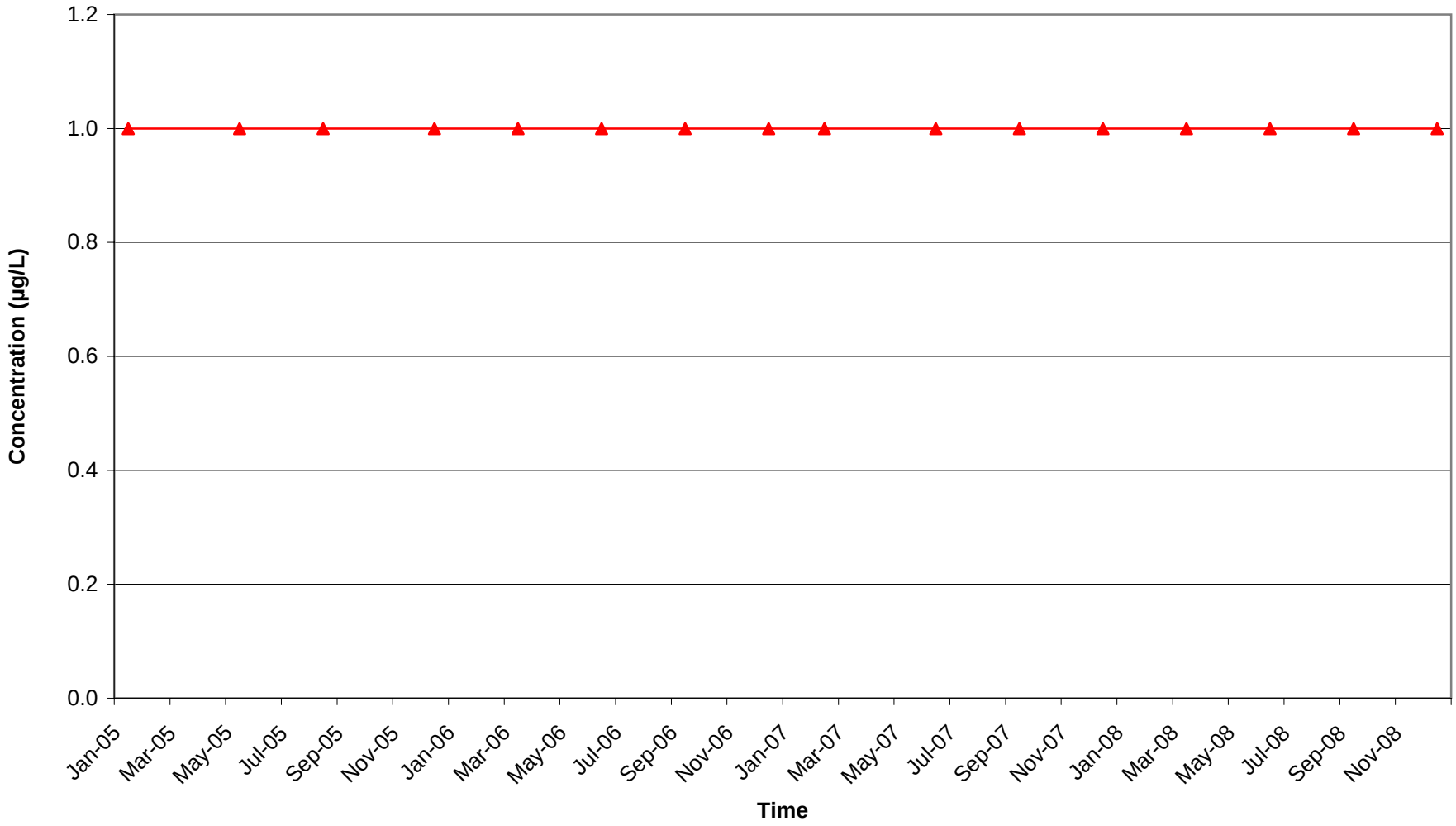
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-7D)

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



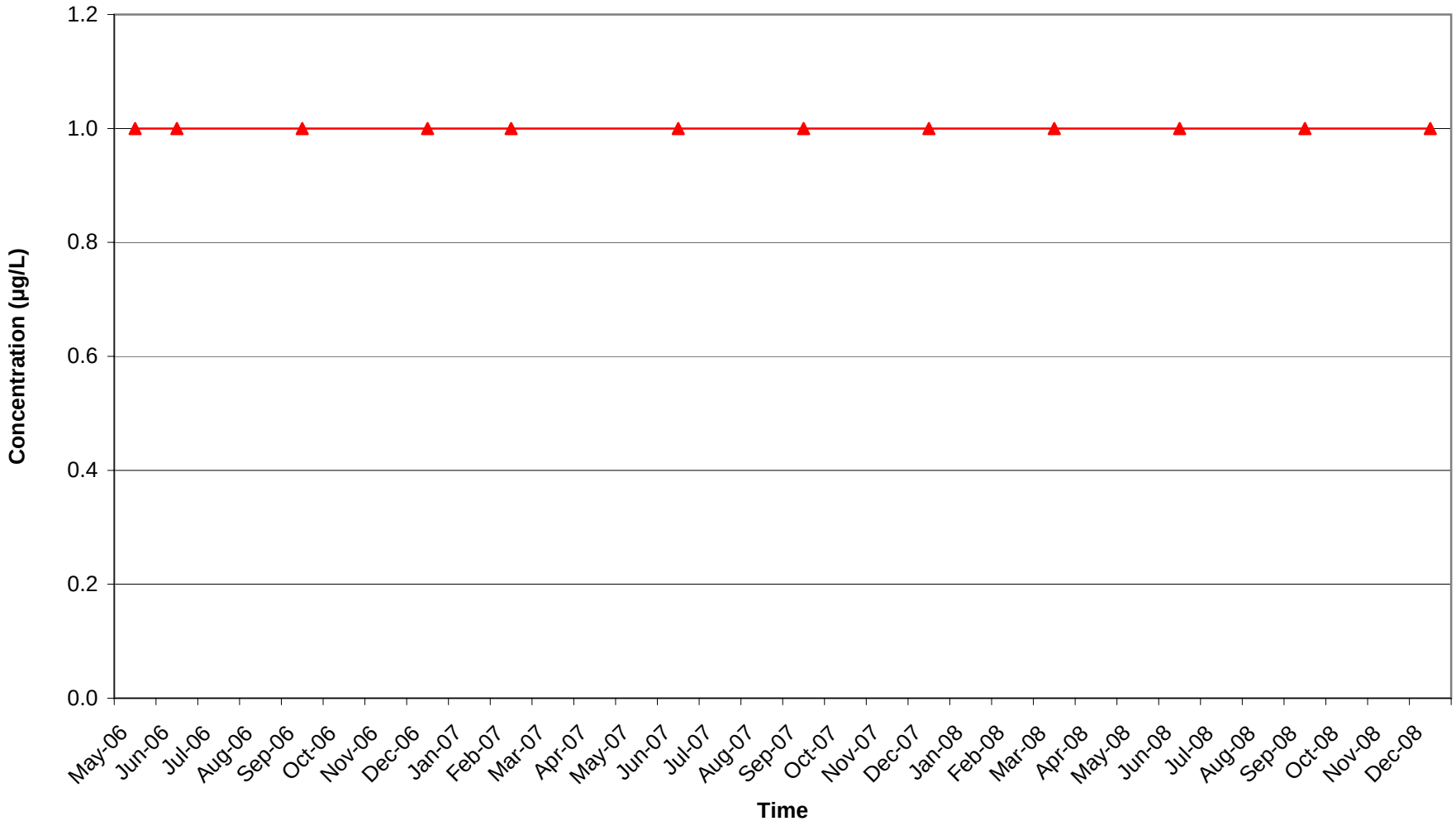
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-8)

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



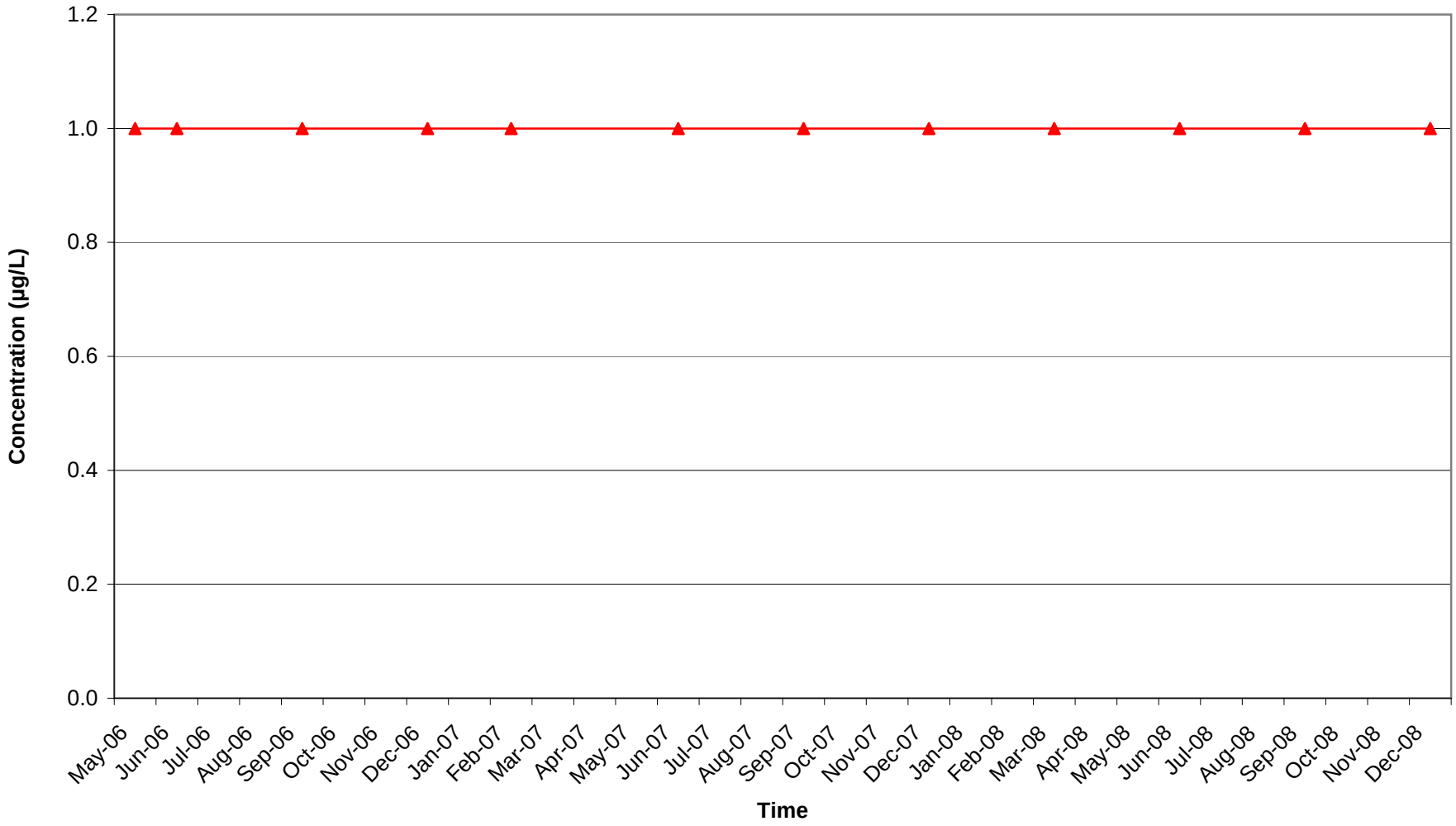
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-9S)

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



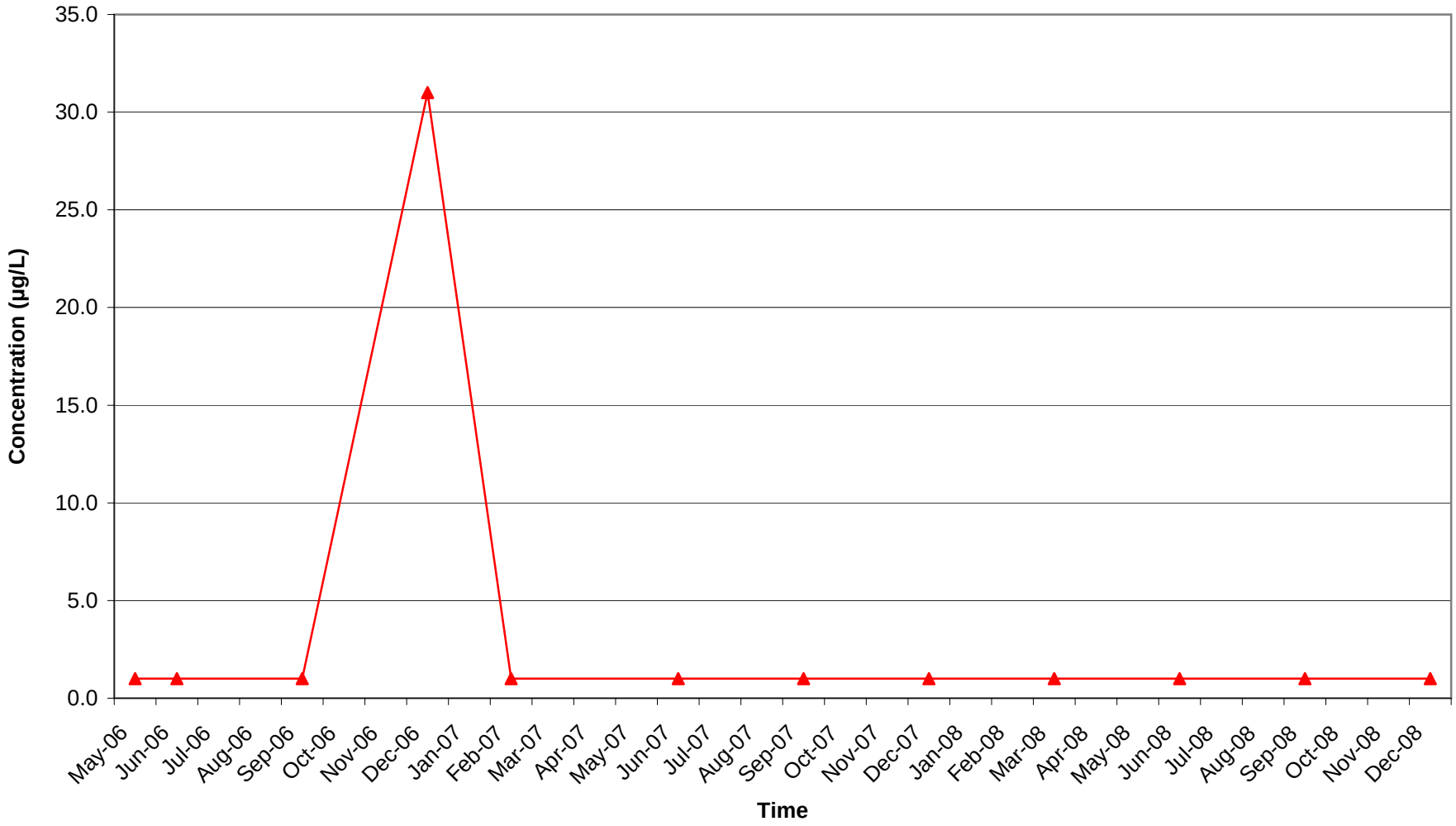
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-9D)

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



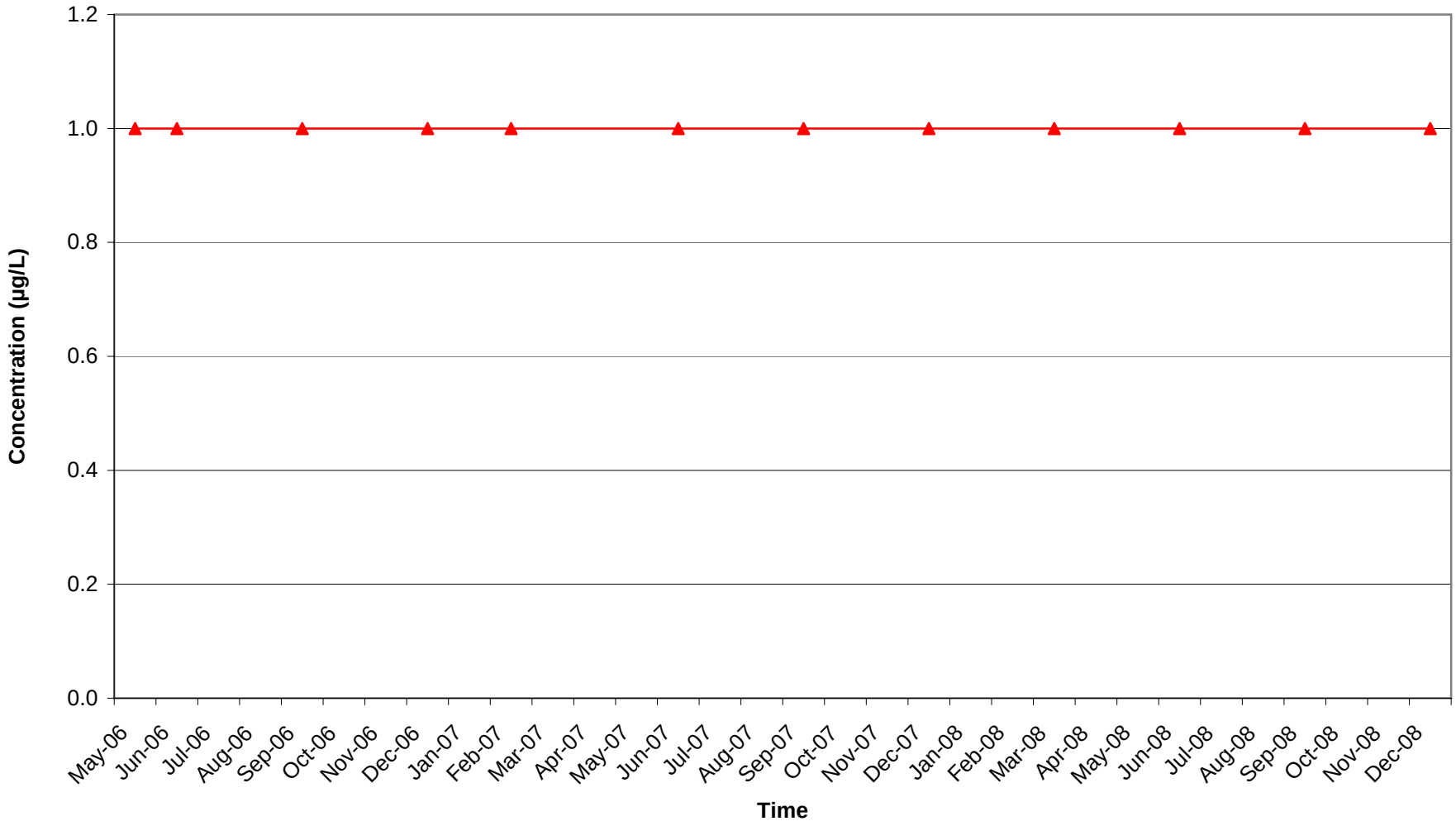
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-9LF)

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



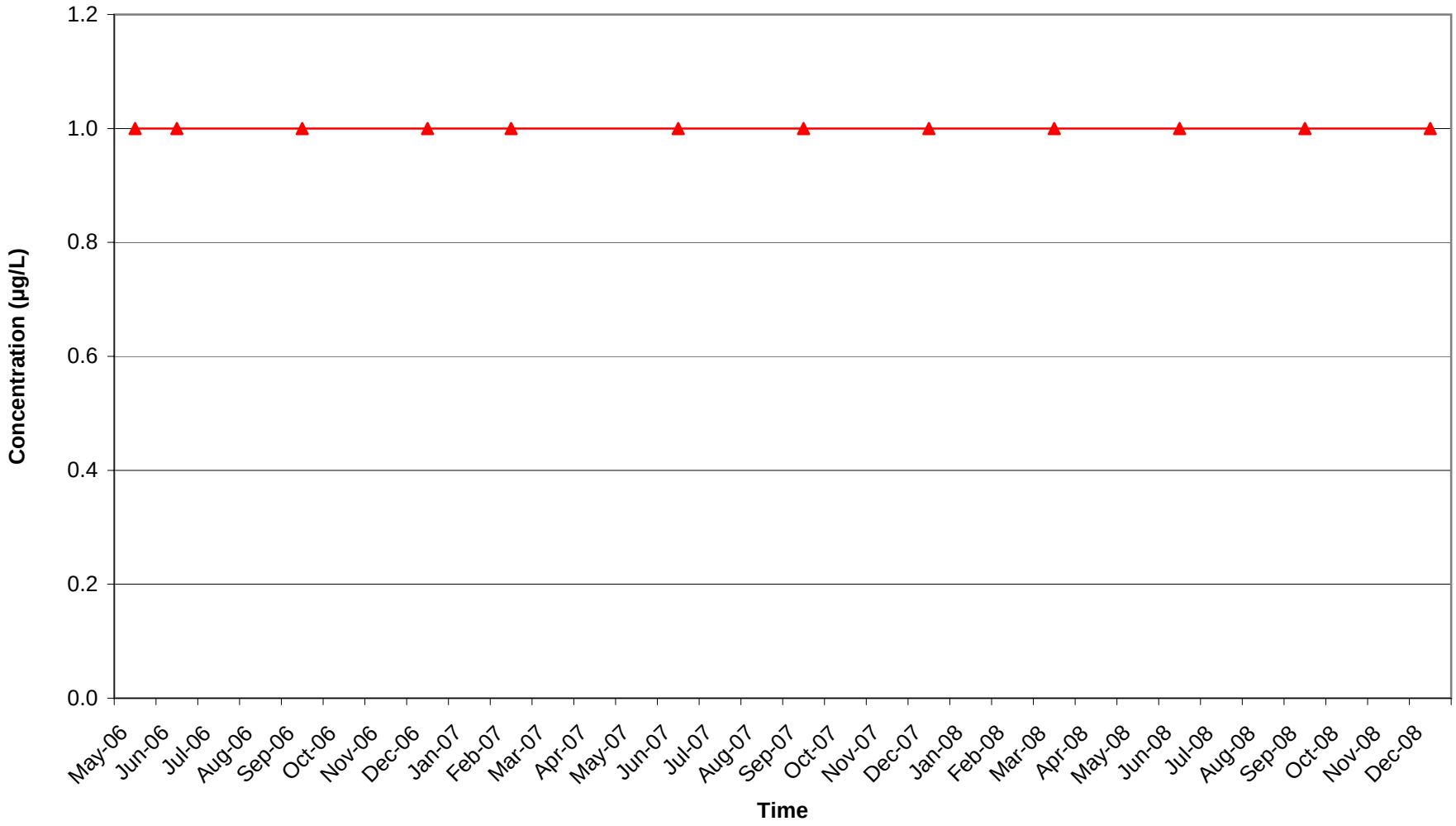
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-10S)

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



## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-10D)

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

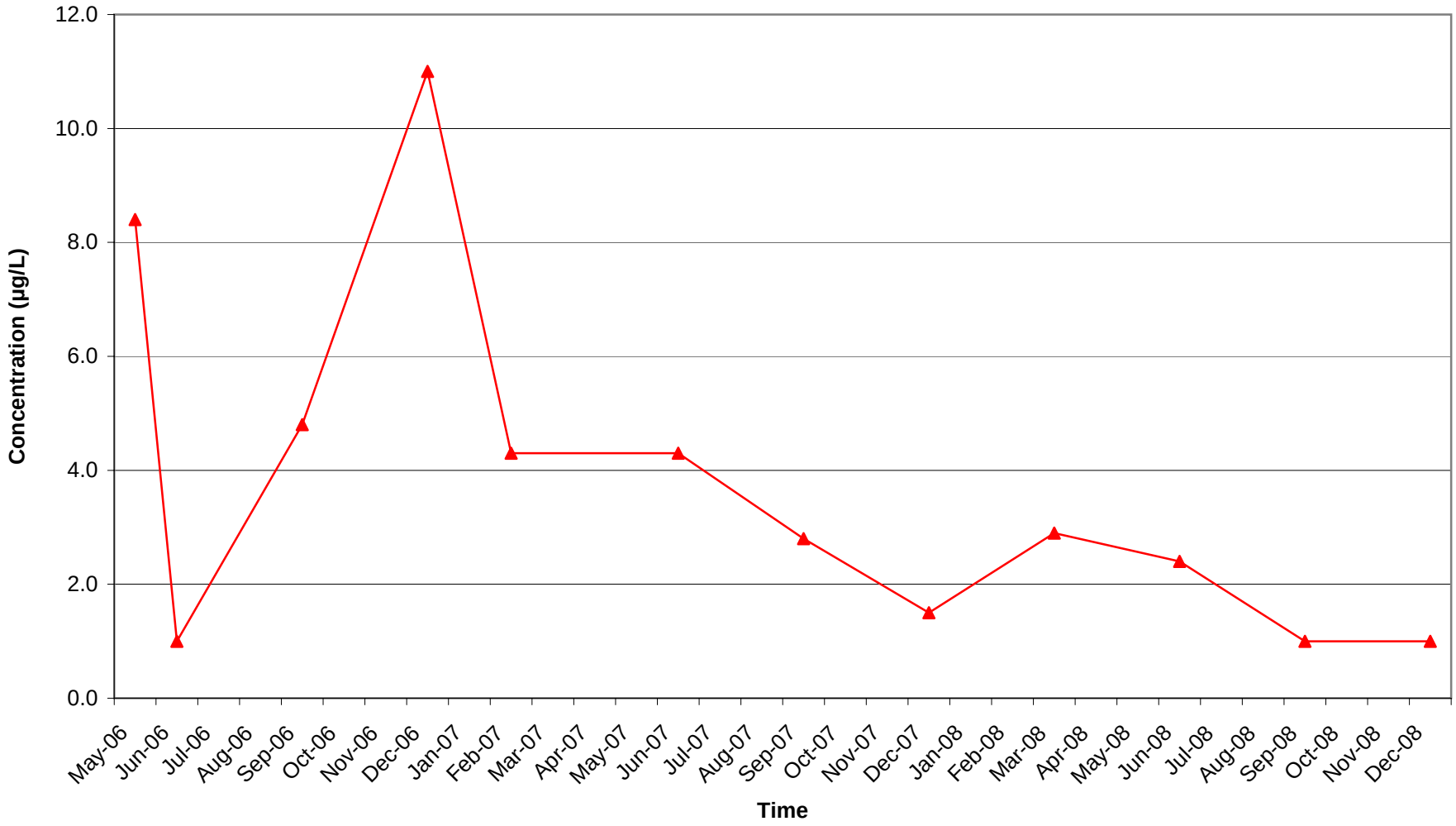


## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-10LF)

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

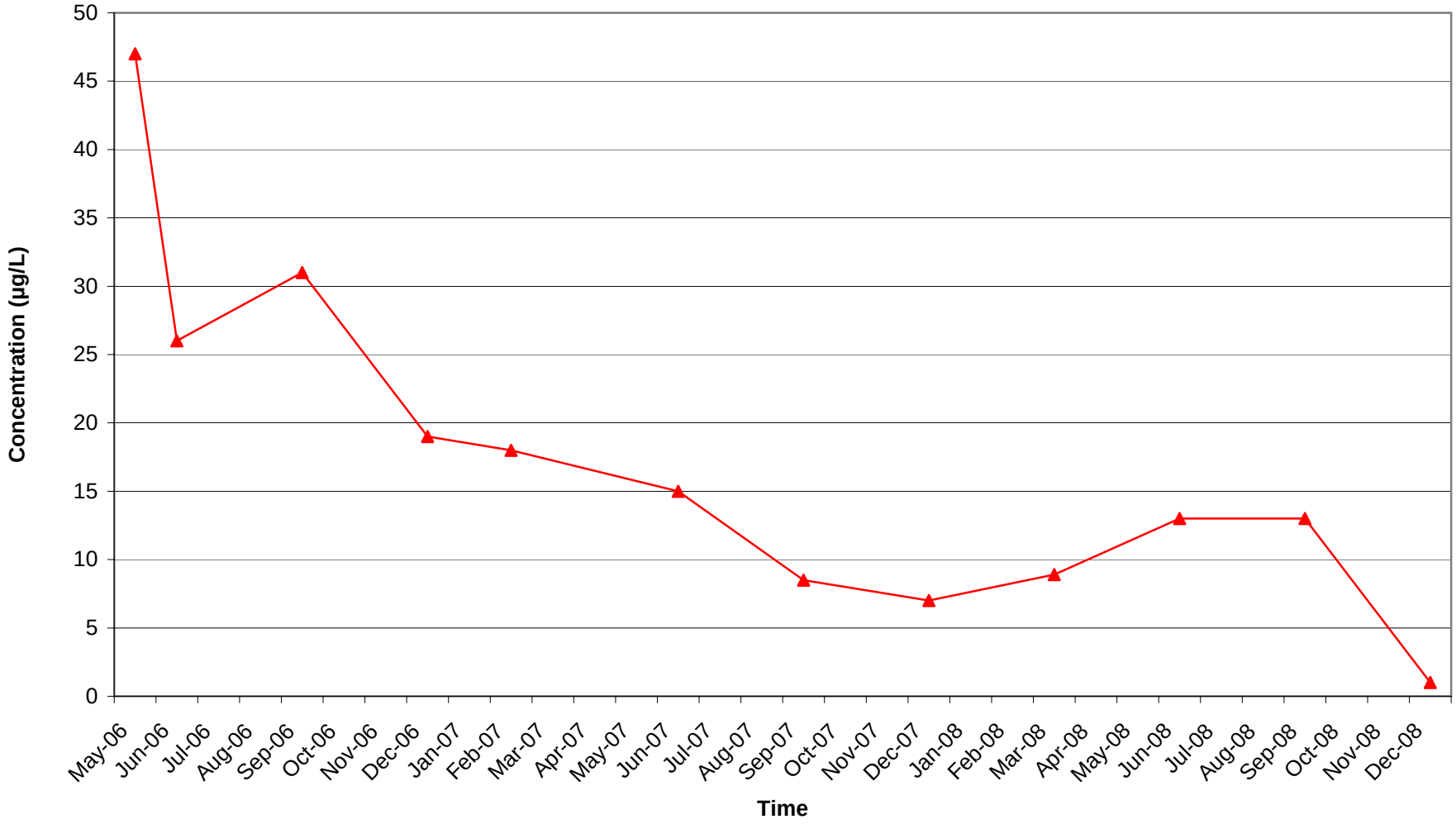
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-11S)

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



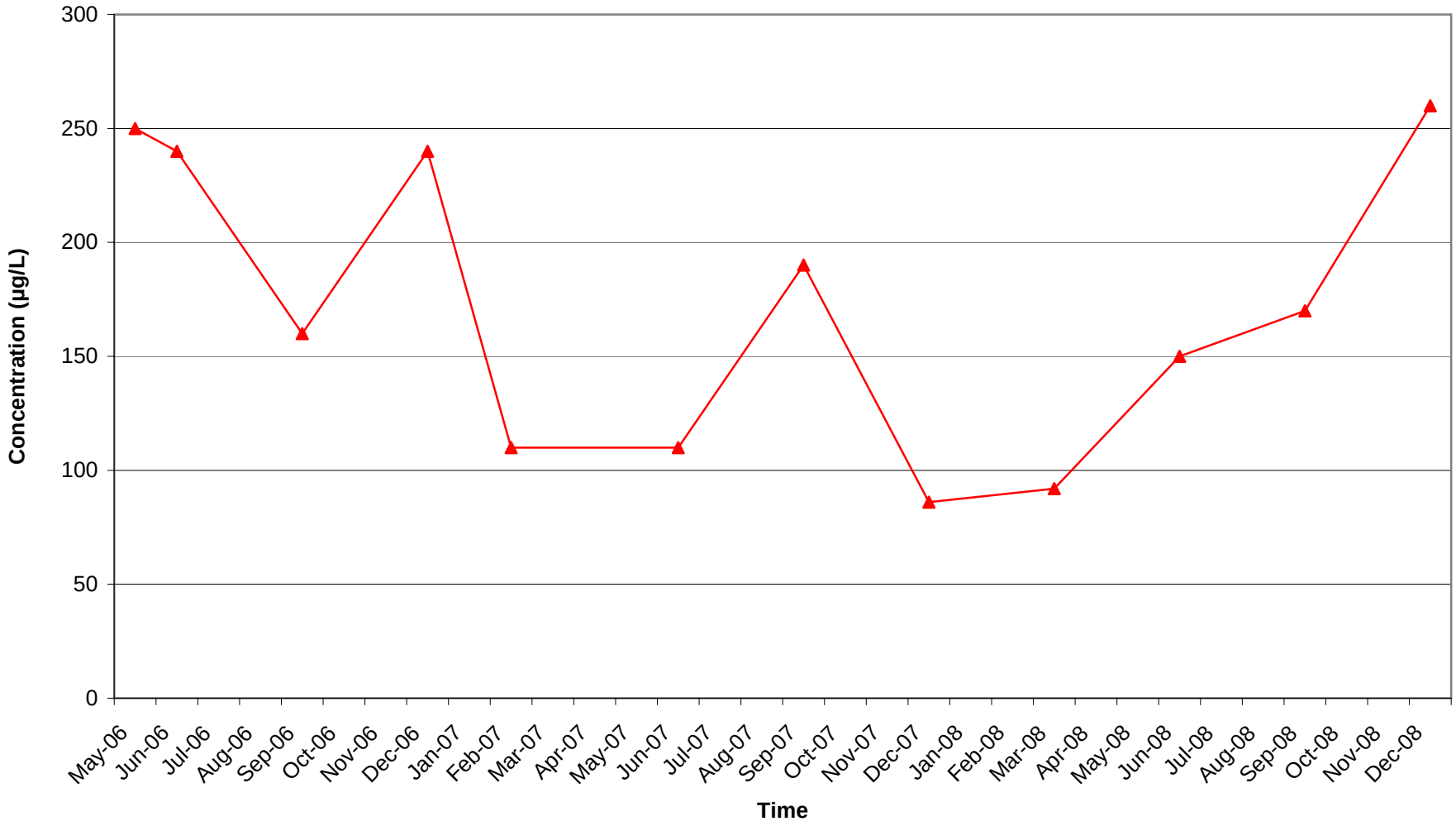
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-11D)

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



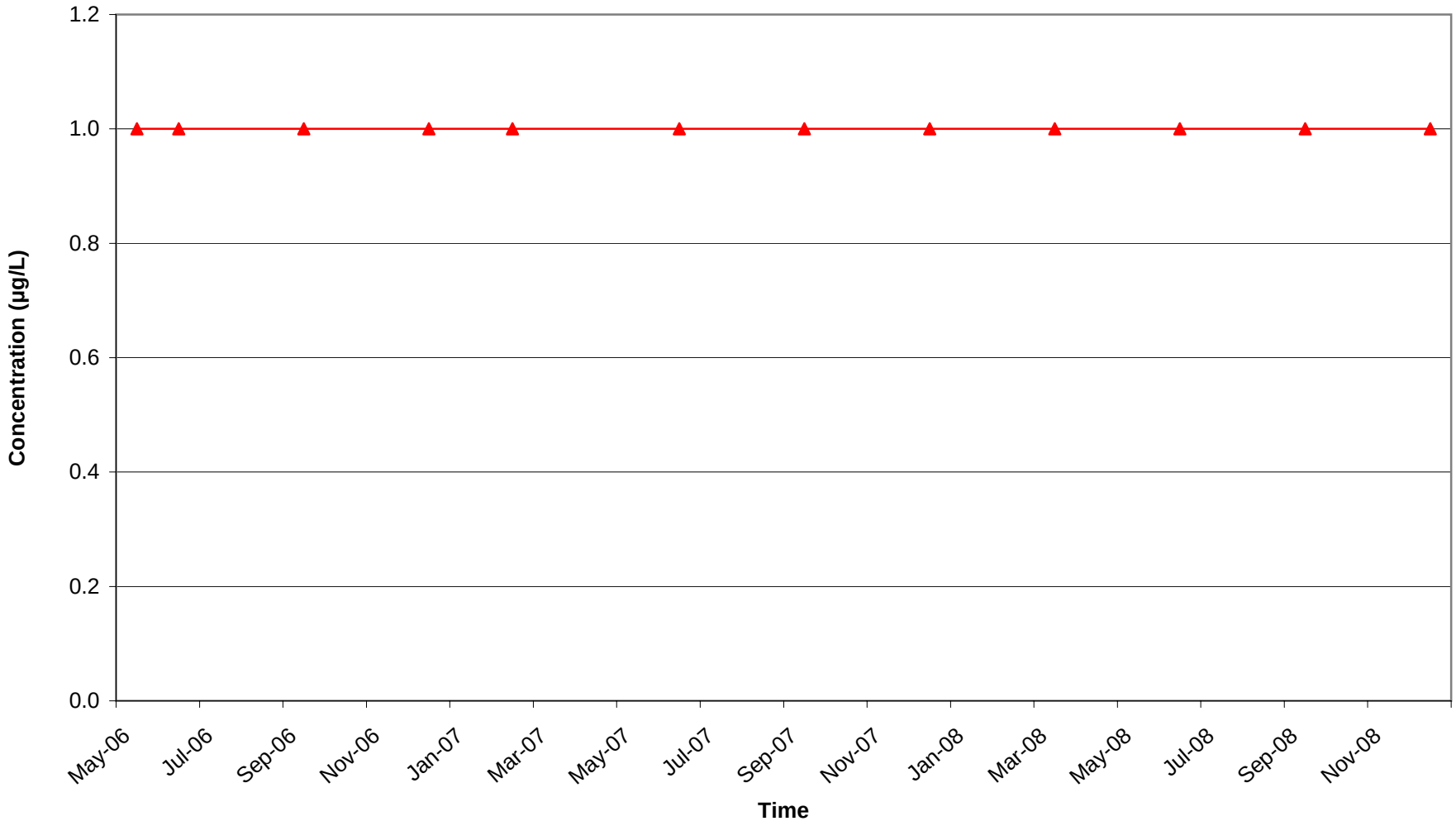
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-11LF)

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



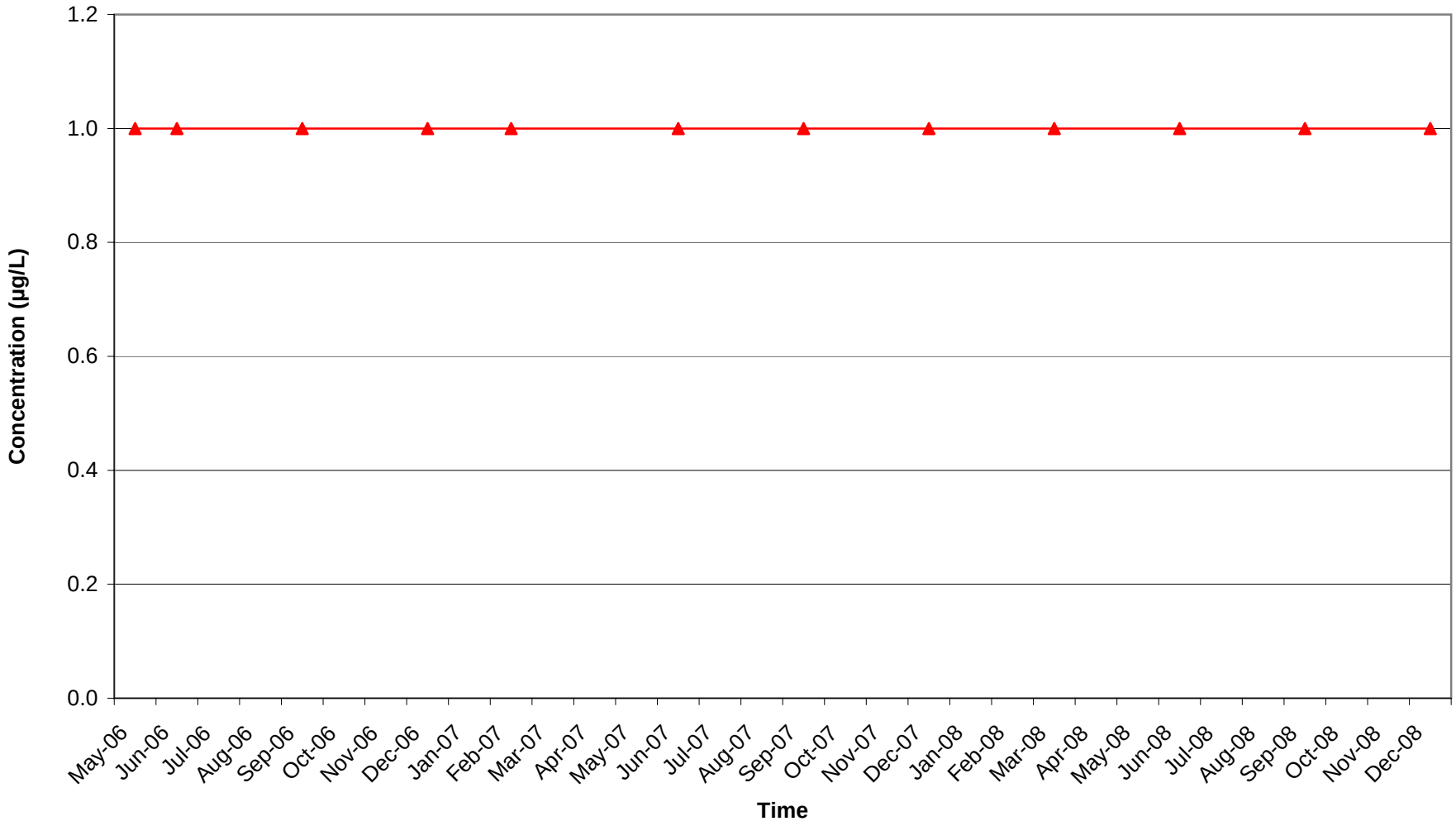
## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-12S)

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



## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-12D)

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



## CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-12LF)

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