Third 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.

November 13, 2009

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

November 13, 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: THIRD QUARTER 2009
GROUNDWATER MONITORING AND SAMPLING REPORT
MISSION VALLEY ROCK COMPANY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

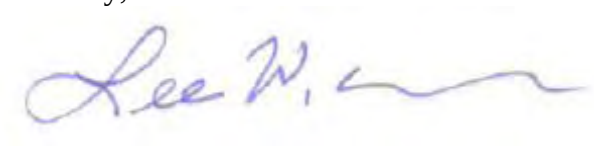
Dear Mr. Wickham,

Please find enclosed Tait Environmental Management's *Third 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.

November 13, 2009

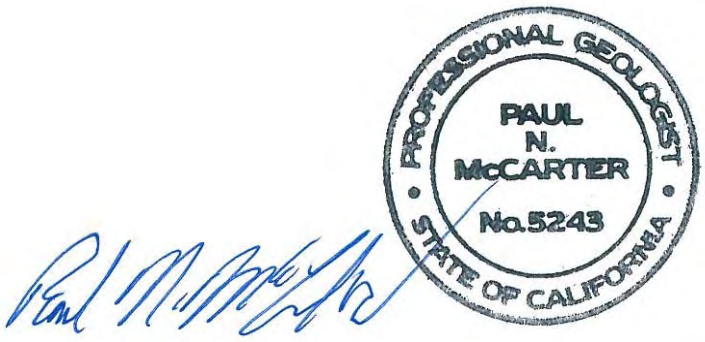
Third Quarter 2009
Groundwater Monitoring and Sampling Report

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

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

A. Cross Sections
B. Hydrographs
C. Sampling Data Sheets
D. Certificate of Disposal
E. Laboratory Report
F. Time-Concentration Plots

TAIT
RISING TO THE CHALLENGE
701 N. Parkcenter Drive, Santa Ana, CA 92705
p:714/560/8200 www.tait.com

Third 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 Third 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 Third 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 and the air injections 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, 2008a). 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, Malcolm Pirnie, 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. The air injection system was started in April 2009. Air is being injected into two injection wells located near wall cluster MW-9, and groundwater is being sampled monthly for the initial three months of operation.

On July 23, 2009, the ACEH issued a letter to Hanson Aggregates stating that groundwater monitoring and sampling could be performed on all wells on a semi-annual basis, and that quarterly monitoring be performed on 9 wells on a quarterly basis based on the data in the LFR Work Plan to conduct air injection at the site (LFR, 2008b). The correct number of wells outlined LFR Work Plan was 10, and they included MW-1, MW-7S, MW-7D, MW-8, MW-9S, MW-9D, MW-9LF, OXY-1S, OXY-1D, and OXY-1LF.

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 Third Quarter 2009 groundwater monitoring data, the overall depth to groundwater at the site ranged from 3.98 feet bgs in well MW-8 to 7.77 feet bgs in well MW-10LF. Relative to the Second Quarter 2009 groundwater monitoring event, groundwater levels decreased in all of the wells. In general, overall groundwater levels have declined an average of 0.73 feet in the wells relative to the First Quarter 2009 monitoring event (TES, 2009). 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 0.012 feet/foot (ft/ft). In the eastern part of the site, shallow-zone groundwater is flowing in a southeasterly direction at a gradient of approximately 0.025 ft/ft (Figure 3). Groundwater levels in wells MW-7S, MW8, and MW-9S are higher than the historical trends shown in the hydrographs in Appendix B. This has resulted in a northerly groundwater flow in the vicinity of these wells. The groundwater mound in the vicinity of wells MW-4S and MW-10S, which was last noted in this area during the Third and Fourth Quarter 2008 monitoring events, is not pronounced in the shallow zone. However, a review of the hydrographs for MW-4 and MW-10 indicates a greater difference in elevation levels within the well pairs MW-4S/MW-4D and MW-10S/MW-10D relative to the Second Quarter 2009 elevation data. This groundwater mound is seasonal in nature, as it tends to be pronounced during the Third and Fourth Quarters of the year.

The groundwater flow regime in the deep-zone wells has changed from the general flow regime in these wells from previous quarters. In the southwestern part of the site, groundwater is flowing in an easterly direction at a gradient of about 0.016 ft/ft. In the southeastern part of the site, groundwater is generally flowing southeasterly at a gradient of about 0.010 ft/ft. In the northwestern part of the site, groundwater flow is variable, but appears to be generally flowing toward the northwest at a gradient of approximately 0.010 ft/ft (Figure 4).

Groundwater in the Livermore Formation is flowing in a general easterly to east-northeasterly direction a gradient ranging from 0.005 ft/ft in the east to 0.017 ft/ft in the western part of the site (Figure 5).

With the exception of well pairs MW-9D/9LF and MW12S/12D, where the groundwater levels in the deeper wells are higher than those in the shallower wells, vertical gradients were directed downward during the Third Quarter 2009.

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 September 21, 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 Third 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 September 21, 22, and 23, 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 Third 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 25 of the groundwater monitoring wells at the site. Well MW-8 was inadvertently missed during the Third Quarter 2009 sampling event. In addition, the three air sparge wells (OXY-1S, OXY-1D, and OXY-1LF) were also sampled during the Third Quarter 2009. 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-TB) was included with the samples for quality assurance/quality control (QA/QC) purposes.

Approximately 52 liters (16 gallons) of purged groundwater were pumped into a steel 55-gallon drum during the Third 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 September 25, 2009. The Certificate of Disposal is contained in Appendix D.

6.0 LABORATORY ANALYSES

The groundwater samples collected during the Third 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 decreased an average of 0.73 feet this quarter relative to the corresponding Second Quarter 2009 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 0.012 feet/foot (ft/ft). In the eastern part of the site, shallow-zone groundwater is flowing in a southeasterly direction at a gradient of approximately 0.025 ft/ft. Groundwater levels in wells MW-7S, MW8, and MW-9S are higher than the historical trends shown in the hydrographs in Appendix B. This has resulted in a northerly groundwater flow in the vicinity of these wells.

- The groundwater flow regime in the deep-zone wells has changed from the general flow regime in these wells from previous quarters. In the southwestern part of the site, groundwater is flowing in an easterly direction at a gradient of about 0.016 ft/ft. In the southeastern part of the site, groundwater is generally flowing southeasterly at a gradient of about 0.010 ft/ft. In the northwestern part of the site, groundwater flow is variable, but appears to be generally flowing toward the northwest at a gradient of approximately 0.010 ft/ft.

- Groundwater in the Livermore Formation is flowing in a general easterly to east-northeasterly direction a gradient ranging from 0.005 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 present, but not strongly pronounced during the Third 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-five groundwater monitoring wells, three air injection wells, and one trip blank sample were collected by TES from the monitoring wells at the site during the Third Quarter 2009, and they were delivered to SunStar for analysis.

- A maximum TPHd concentration of 10,000 micrograms per liter (µg/L) was detected in well MW-2S. Highest TPHd concentrations appear to be localized in the shallow- and deep-zone wells in the southern part of the area in the vicinity of well clusters MW-2,

MW-6, and MW-11. Lower deep-zone TPHd concentrations (740 to 2,000 μg/L) extend north from well cluster MW-2 through deep-zone wells MW-7D and MW-9D.

- A maximum TPHg concentration of 8,400 μg/L was detected in well MW-7D. Highest concentrations of TPHg appear to be localized in the deep-zone wells in the northern part of the area, particularly in the vicinity of wells MW-7D, MW-9D, and MW-10D (Figure 7). Concentrations of TPHg in well MW-9D (130 μg/L) and MW-11D (500 μg/L) have decreased significantly relative to previous quarters.

- A maximum MTBE concentration of 210 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 72 μg/L was detected in well MW-7D (Figure 13). Benzene concentrations in well MW-9D (ND<50 μg/L) have decreased significantly relative to previous quarters. Benzene was also detected at a concentration of 1.3 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. Concentrations of these analytes have decreased by one to three orders of magnitude in wells MW-9S and MW-9D.

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

- Air injection wells OXY-1S, OXY-1D, and OXY-1LF did not contain detectable concentrations of TPHd, TPHg, BTEX, or fuel oxygenates above their respective laboratory reporting limits.

- TBA was not detected at concentrations above its laboratory reporting limit in any of the wells during the Third 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-TB) 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, 2008a, *Air Sparge Pilot Test Completion Report*, Hanson Aggregates Mission Valley Rock Facility, 7999 Athenour Way, Sunol, Alameda County, California.

LFR, Inc., October 3, 2008b, Work Plan to Conduct Air Injection and Implement Monitored Natural Attenuation, Hanson Aggregates Mission Valley Rock Facility, 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.

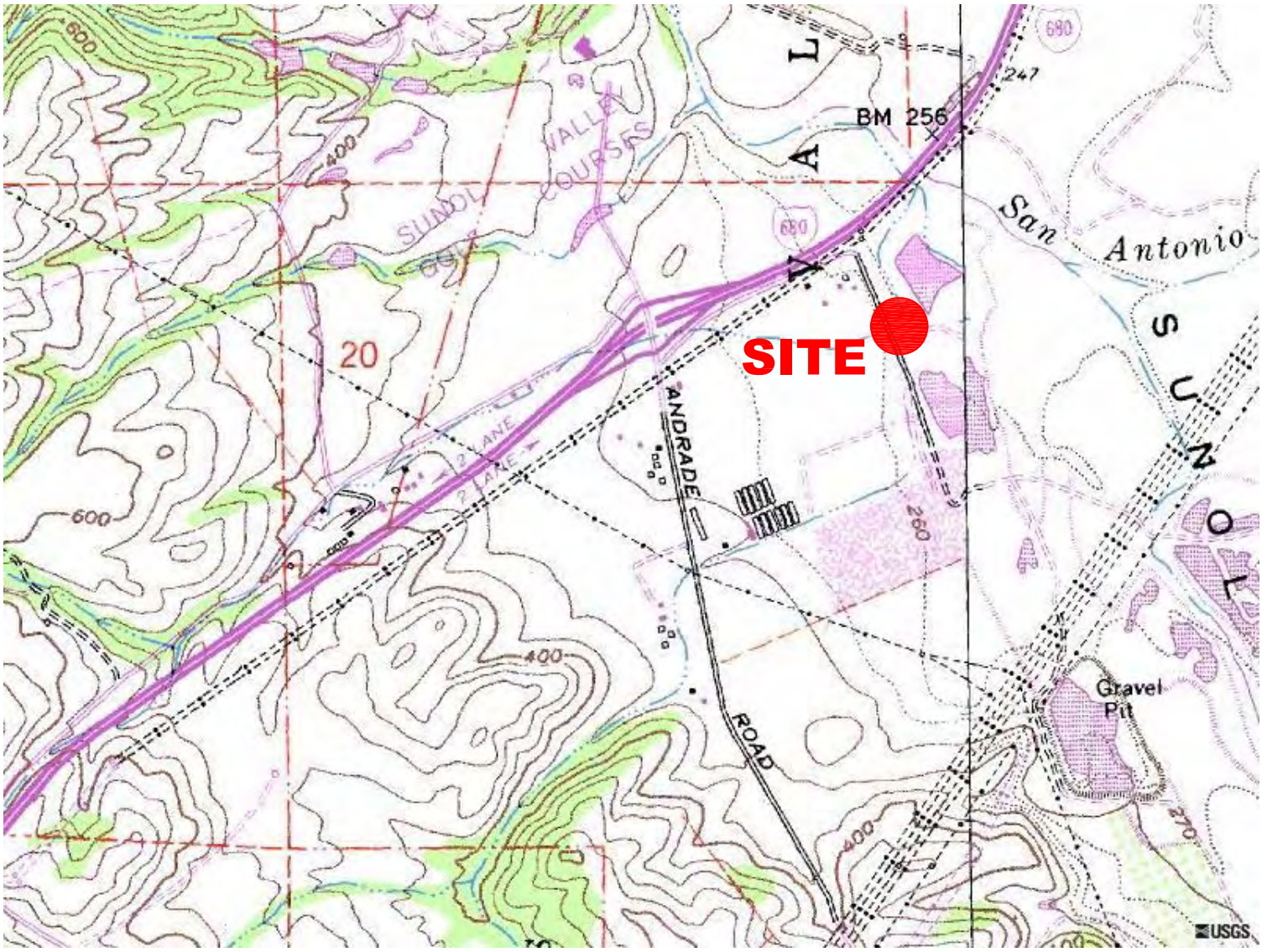
Tait Environmental Services, Inc., August 14, 2009*, Second Quarter 2009 Groundwater Monitoring and Sampling Report*, Hanson Aggregates Mid-Pacific, Inc., Mission Valley Rock Facility, 7999 Athenour Way, Sunol, California.

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.

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

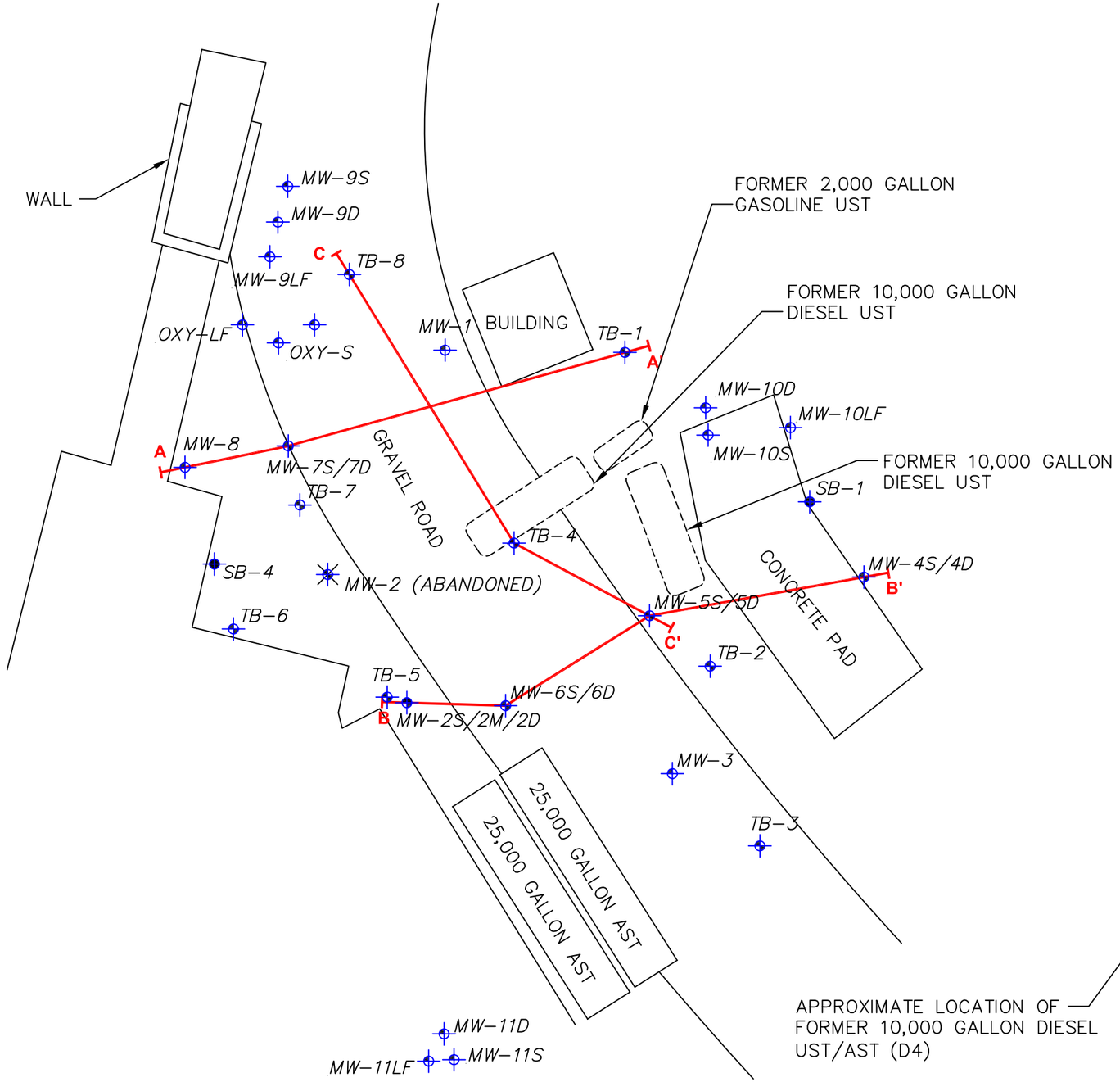
TAIT
RISING TO THE CHALLENGE

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:	OCTOBER 2009

FIGURE 1



EXPLANATION

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)

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

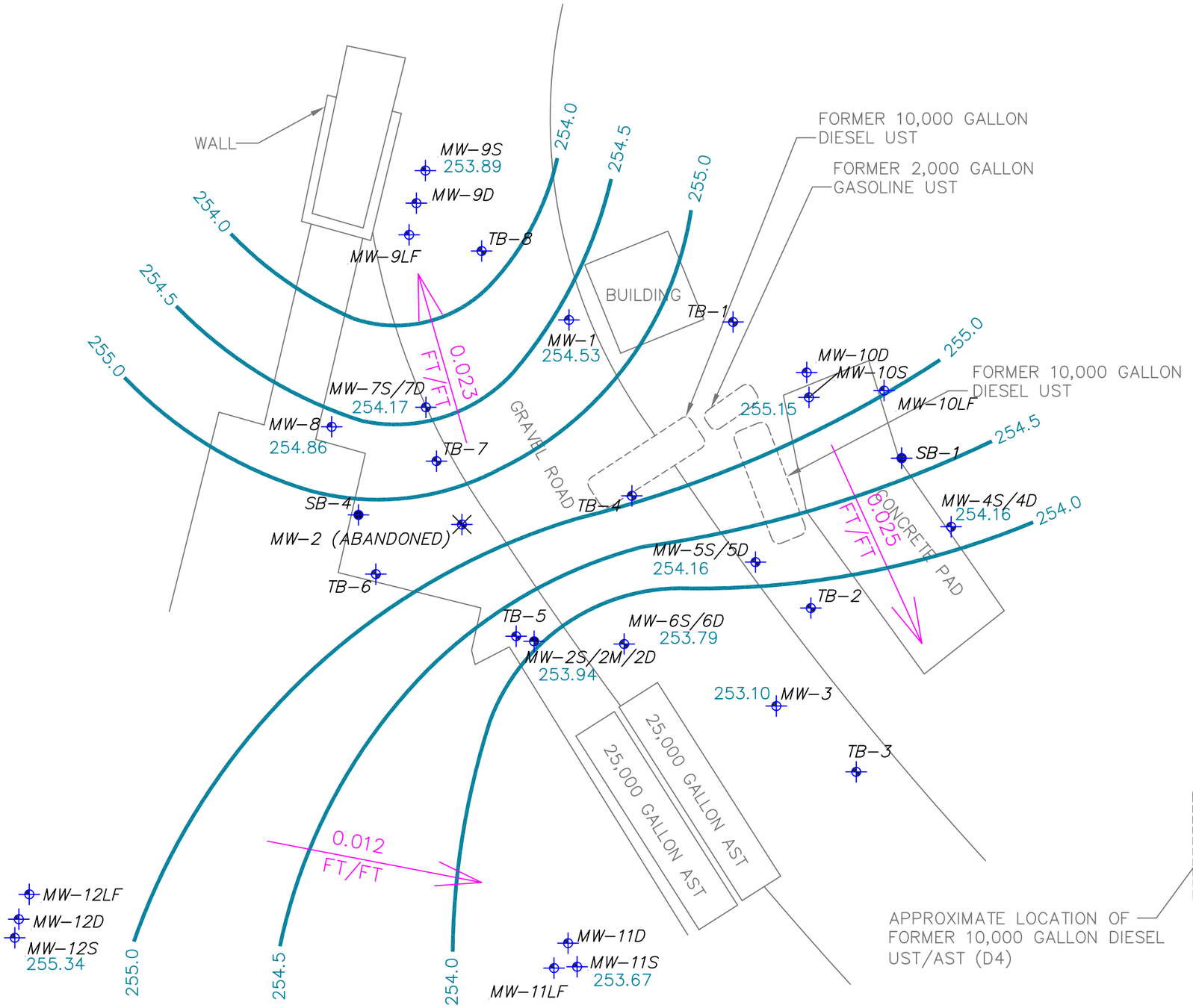
SITE PLAN

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE 2



EXPLANATION

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
—254.0—	GROUNDWATER ELEVATION CONTOUR (IN FEET ABOVE MEAN SEA LEVEL)

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

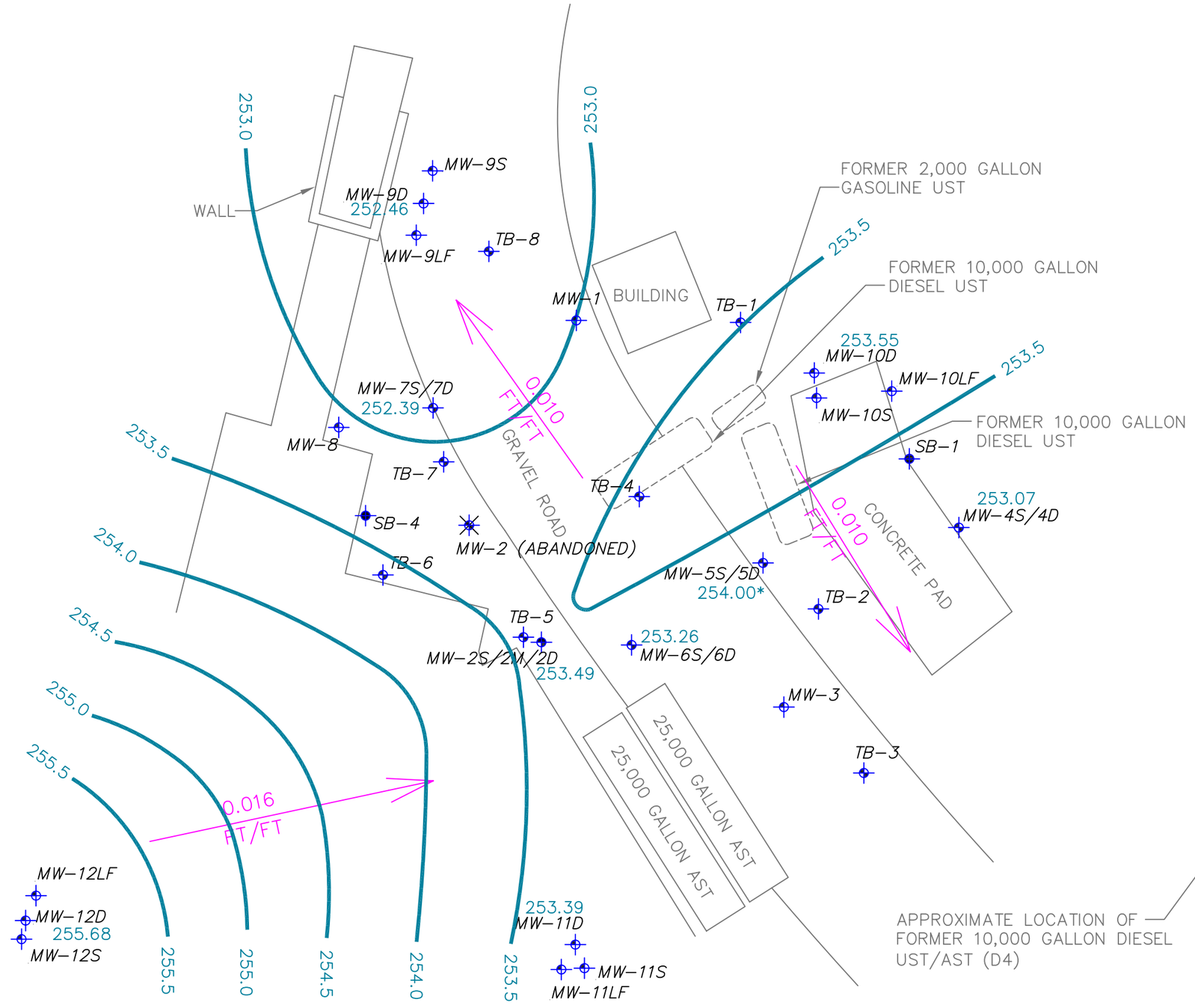
GROUNDWATER CONTOUR MAP (SHALLOW ZONE)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE
3



EXPLANATION

MW-1	EXISTING GROUNDWATER MONITORING WELL - SINGLE COMPLETION
MW-7S/7D	EXISTING GROUNDWATER MONITORING WELL - DUAL NESTED
MW-2S/SM/2D	EXISTING GROUNDWATER MONITORING WELL - TRIPLE NESTED
MW-2	ABANDONED GROUNDWATER MONITORING WELL
TB-1	GRAB GROUNDWATER SAMPLE LOCATION
SB-1	TEMPORARY SOIL BORING LOCATION
AST=	ABOVEGROUND STORAGE TANK
UST =	UNDERGROUND STORAGE TANK
—253.5—	GROUNDWATER ELEVATION CONTOUR (IN FEET ABOVE MEAN SEA LEVEL)
254.00*	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

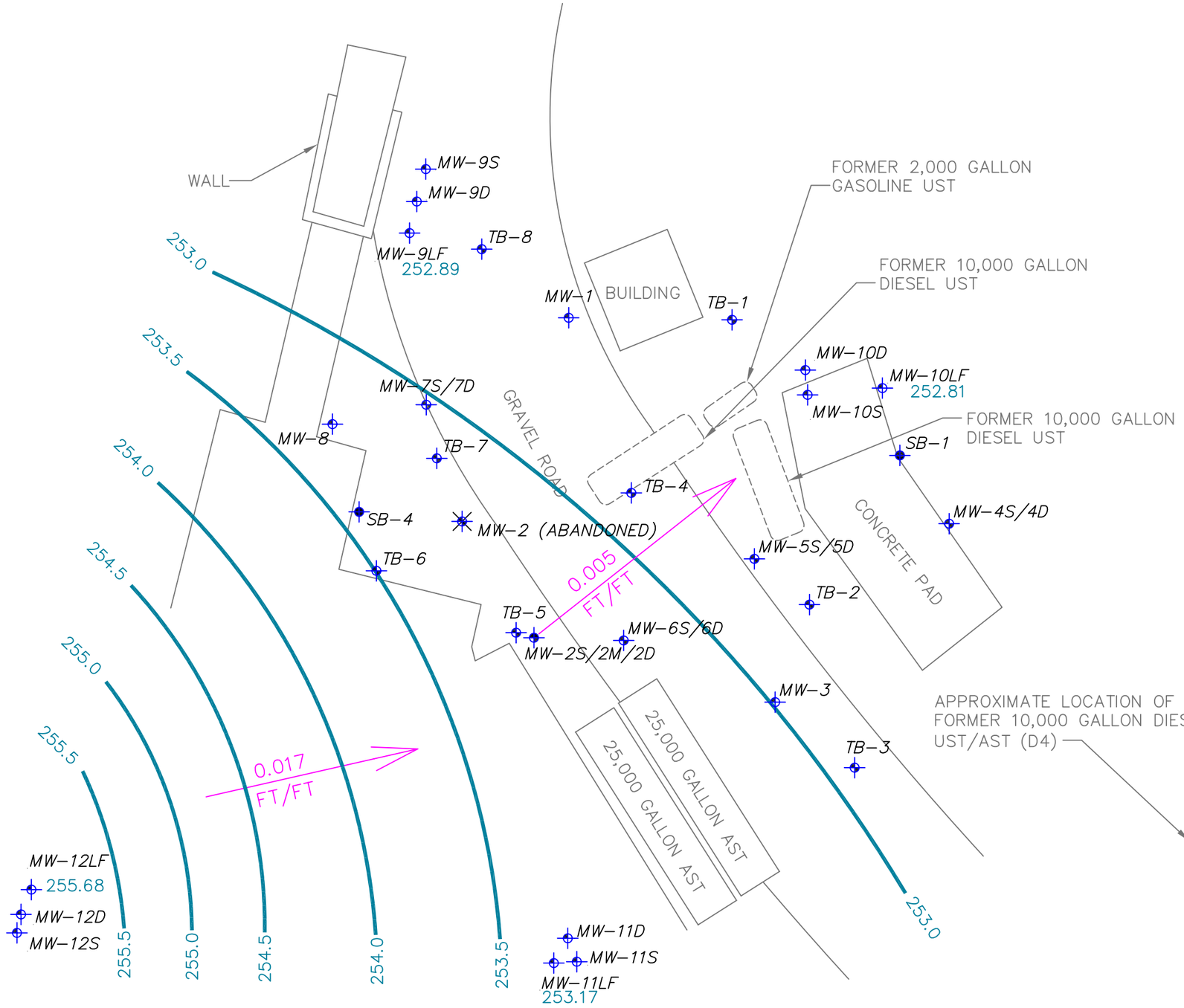
GROUNDWATER CONTOUR MAP (DEEP ZONE)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE
4



EXPLANATION

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

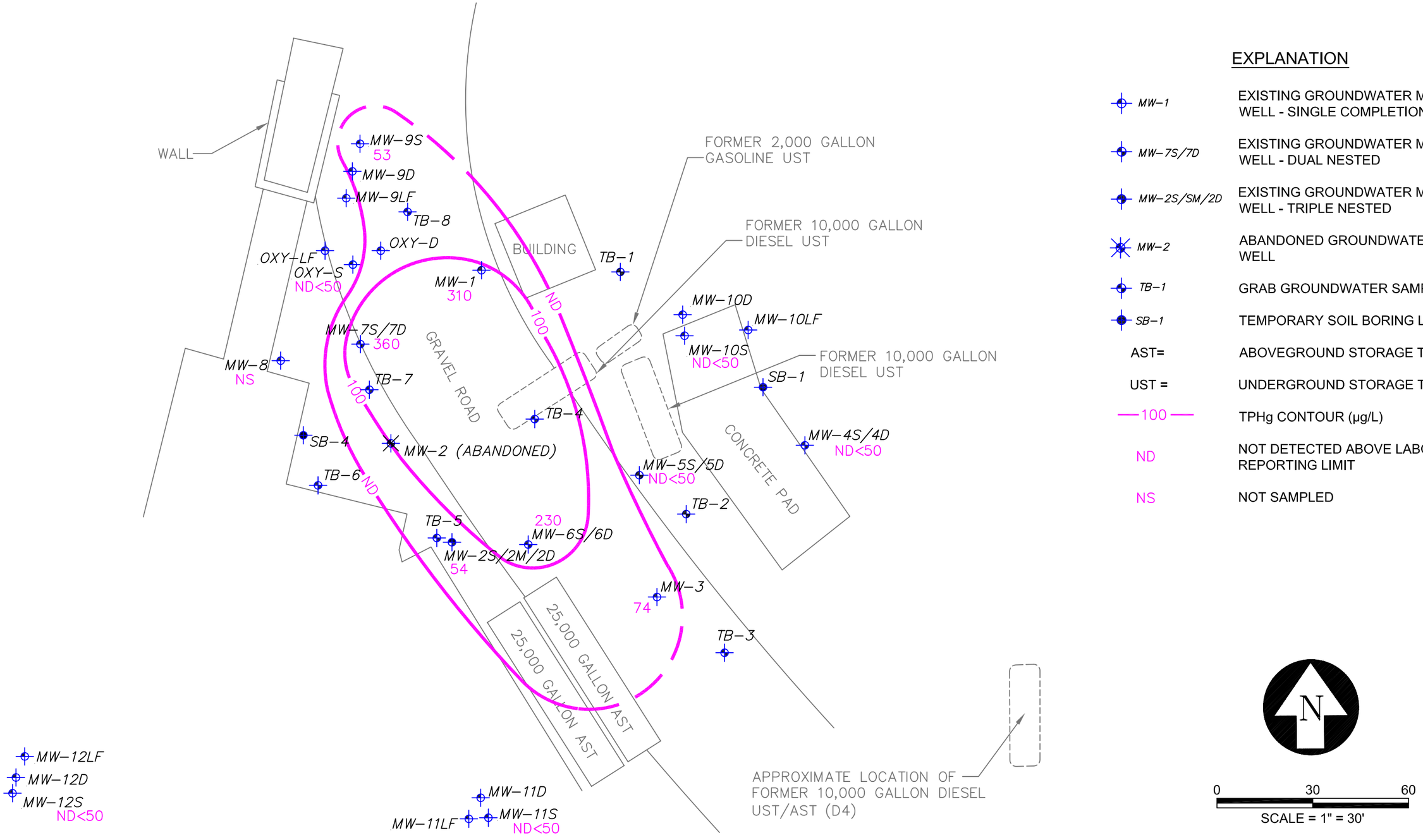
GROUNDWATER CONTOUR MAP (LIVERMORE FORMATION)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE
5



EXPLANATION

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
NS	NOT SAMPLED

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

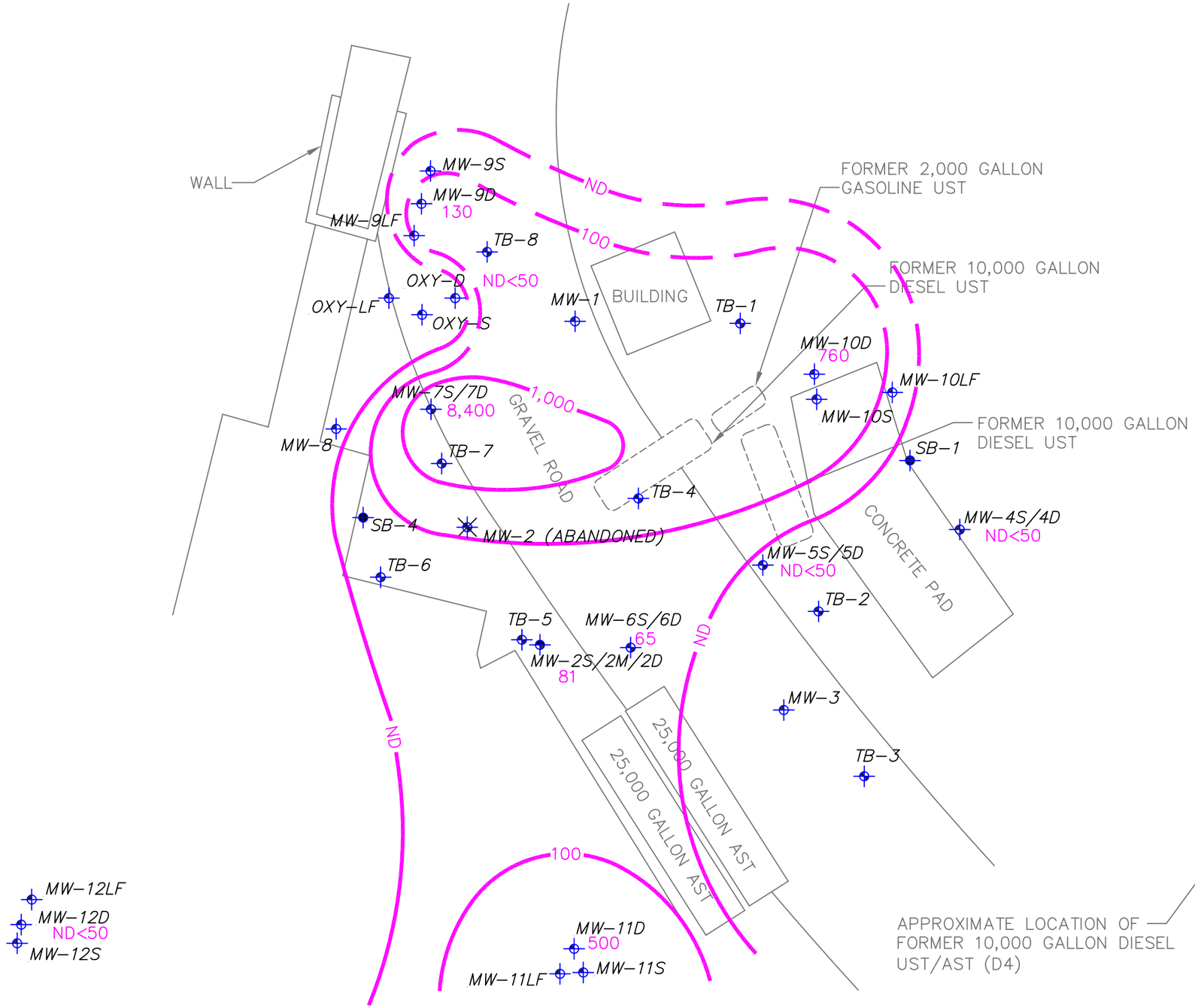
TPHg CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE
6



EXPLANATION

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

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

TAIT
RISING TO THE CHALLENGE

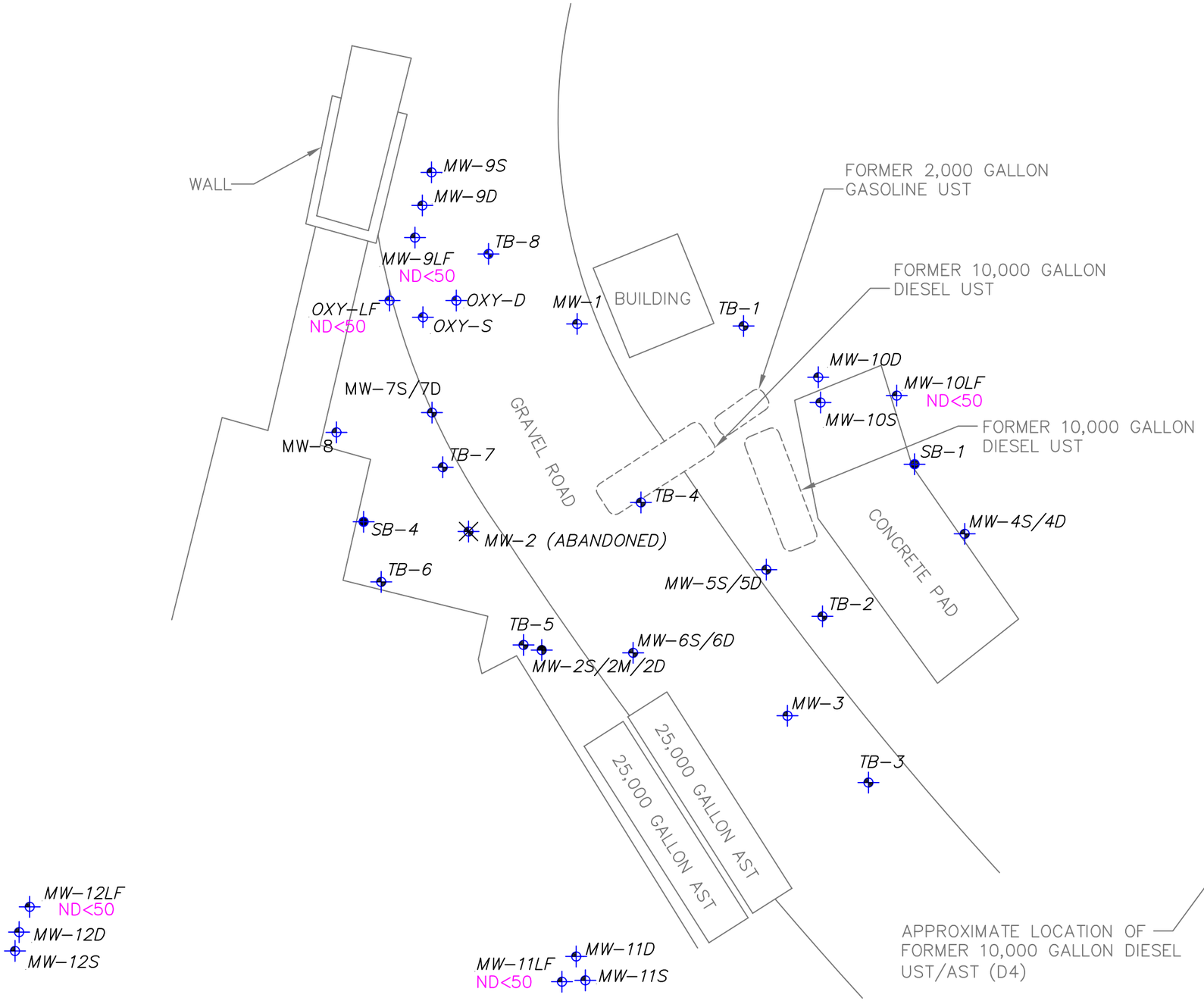
TPHg CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE 7



EXPLANATION

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

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

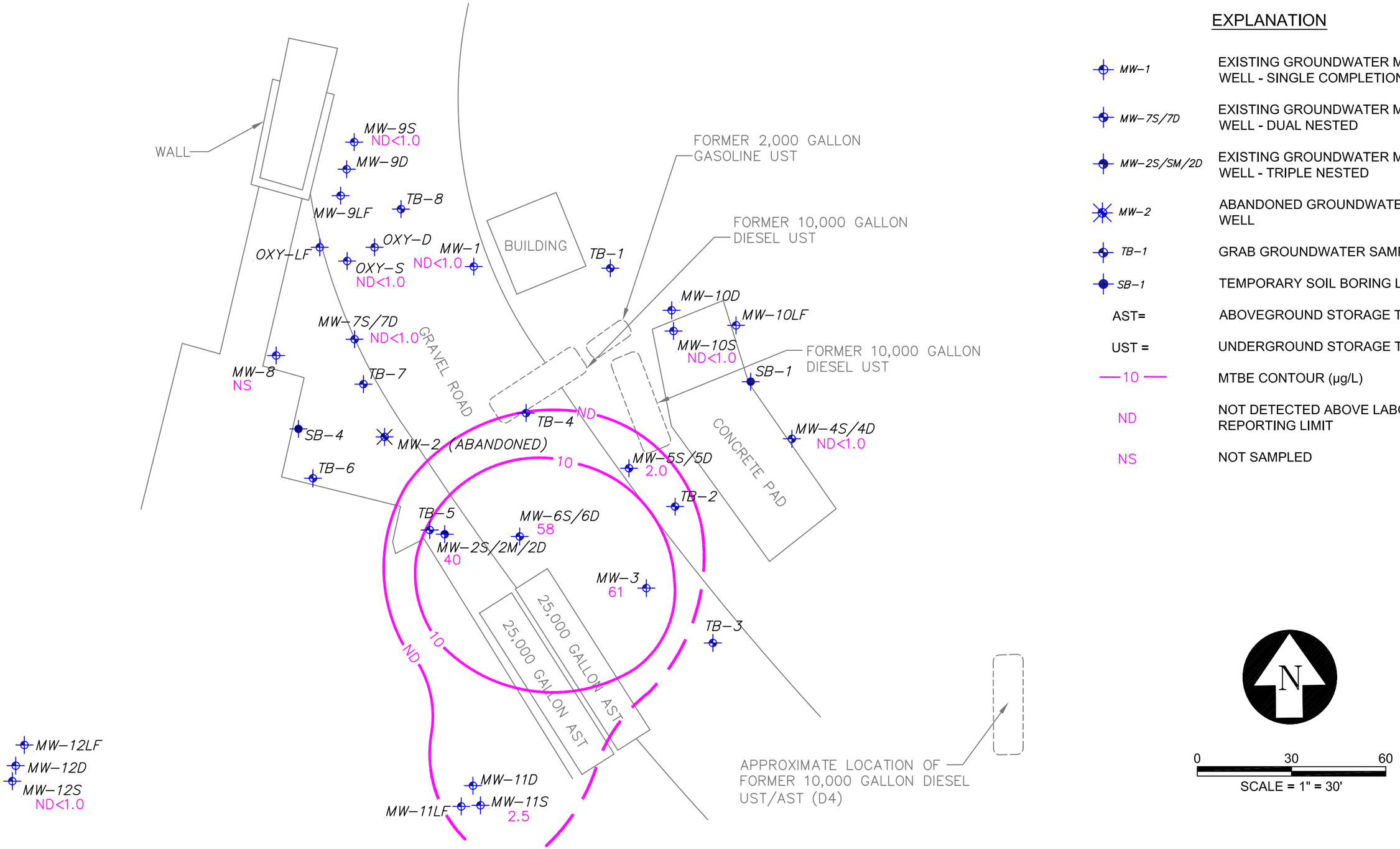
TPHg CONCENTRATIONS IN GROUNDWATER (LIVERMORE FORMATION)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE 8



EXPLANATION

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
NS	NOT SAMPLED

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

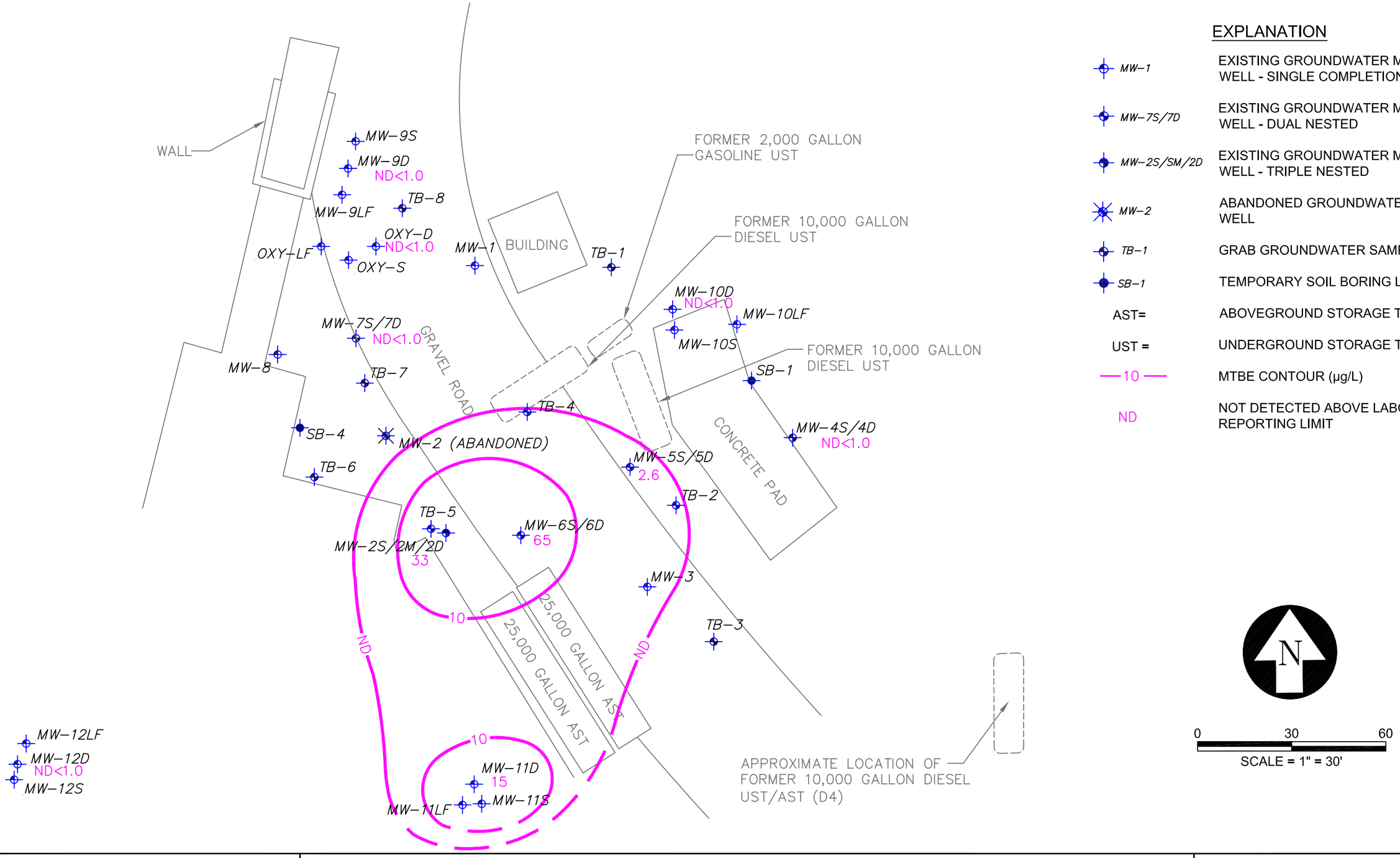
MTBE CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE
9



EXPLANATION

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

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

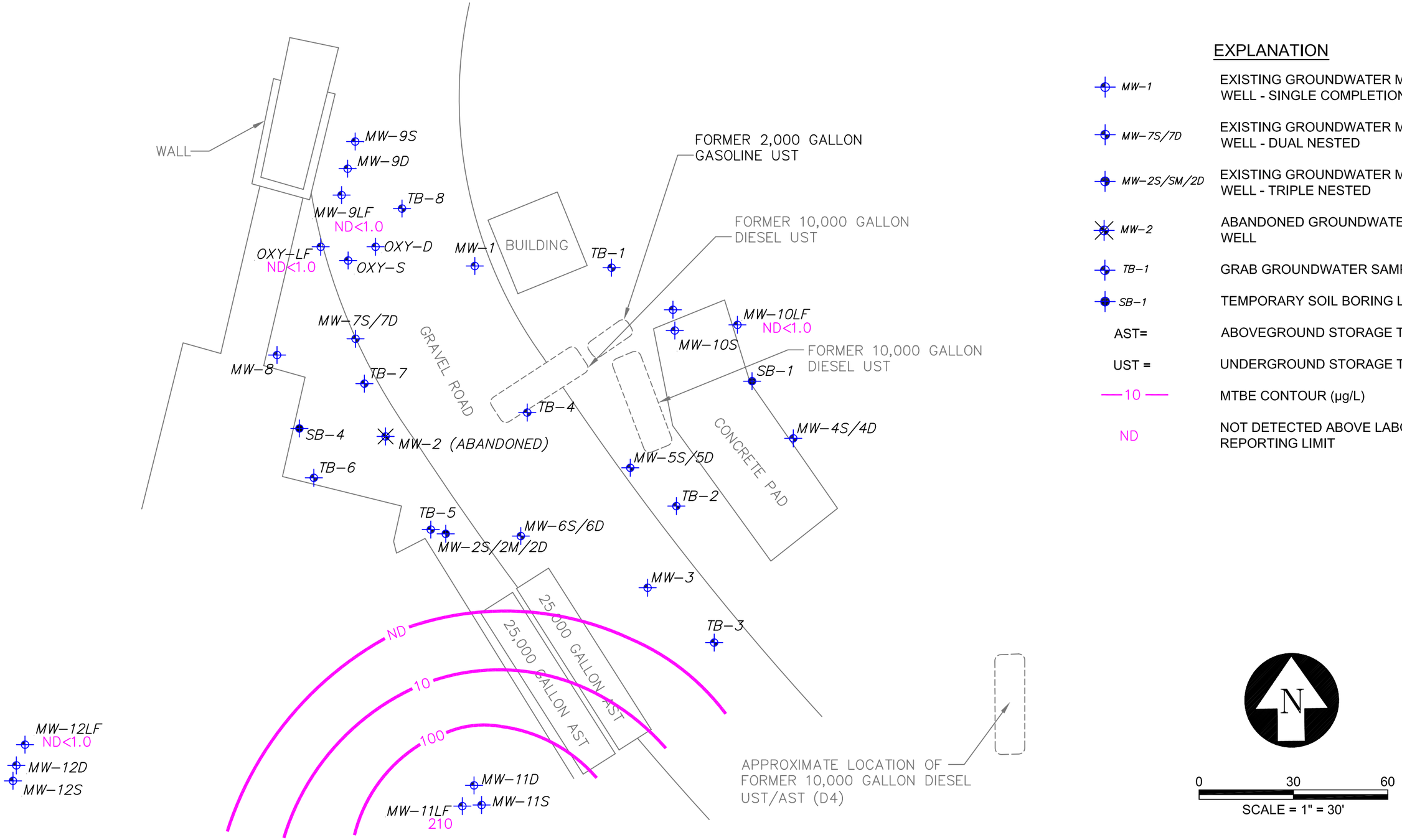
MTBE CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE 10



EXPLANATION

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

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

TAIT
RISING TO THE CHALLENGE

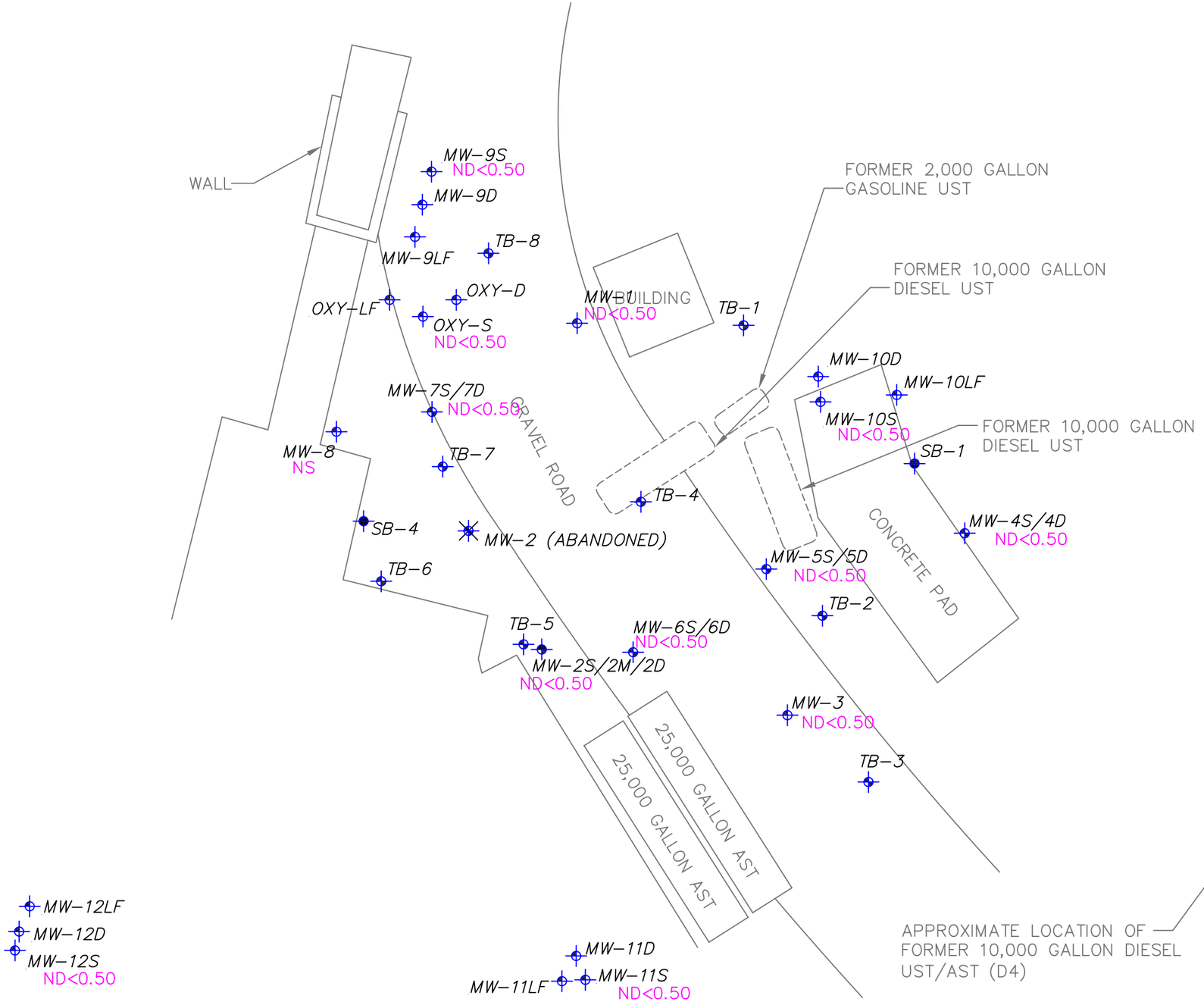
MTBE CONCENTRATIONS IN GROUNDWATER (LIVERMORE FORMATION)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE
11



EXPLANATION

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
NS	NOT SAMPLED

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

TAIT
RISING TO THE CHALLENGE

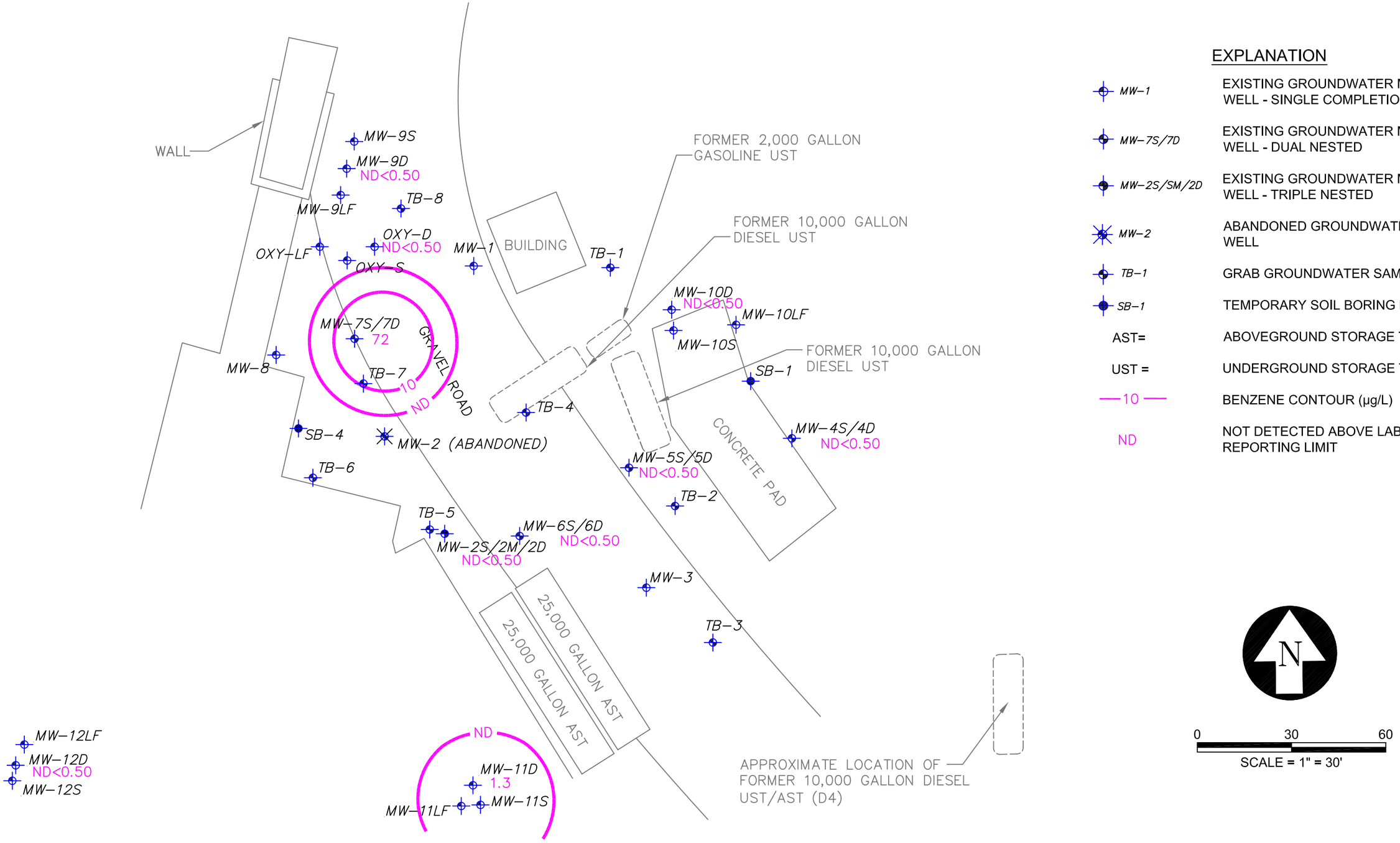
BENZENE CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE
12



EXPLANATION

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

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

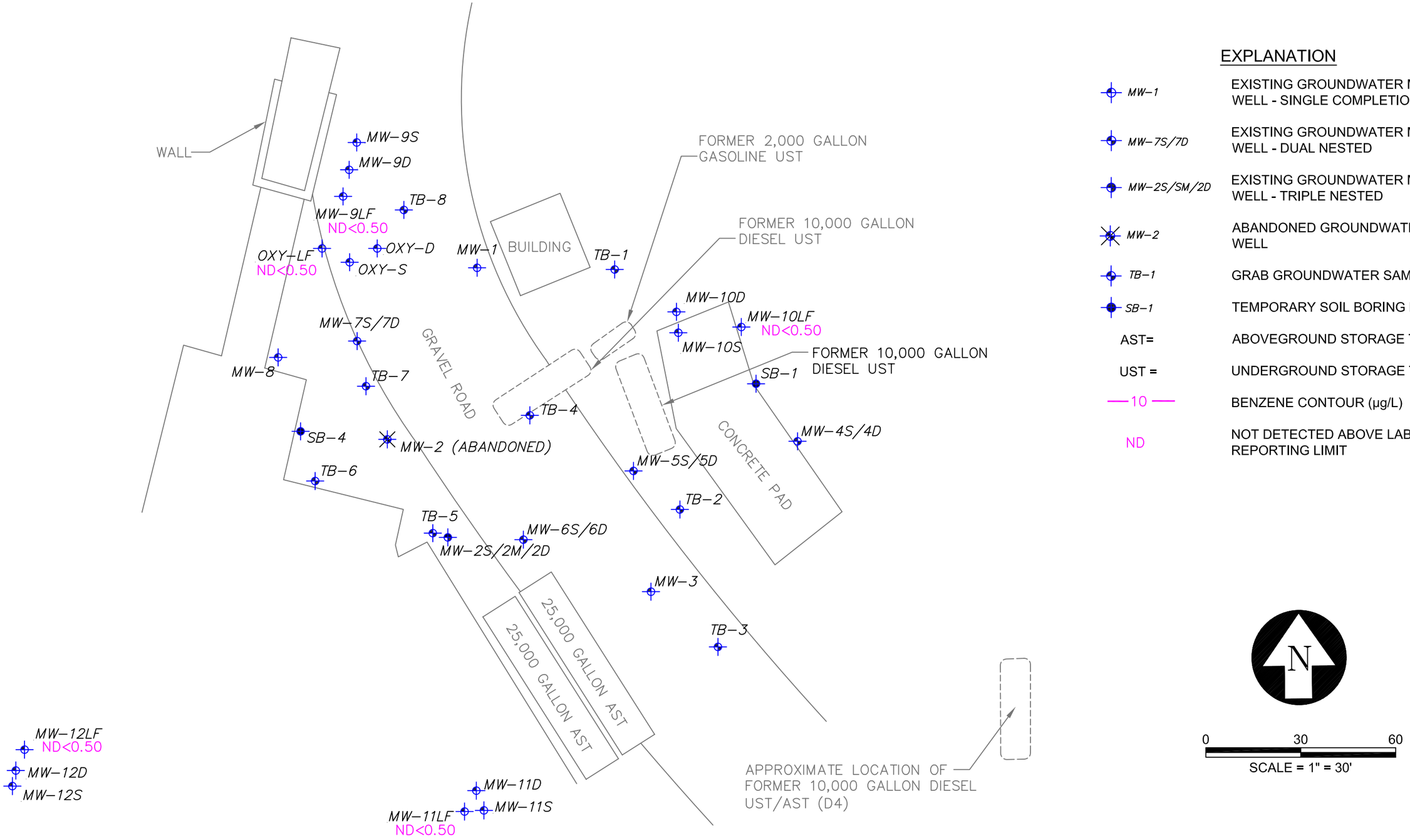
BENZENE CONCENTRATIONS IN GROUNDWATER (DEEP ZONE)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE 13



EXPLANATION

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

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

BENZENE CONCENTRATIONS IN GROUNDWATER (LIVERMORE FORMATION)

THIRD QUARTER 2009

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

DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

FIGURE 14

TABLES

Table 1
Well Construction Details and Groundwater Elevation Data
Third 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	4.15	17.78	5.0 - 20.0	258.68	254.53
MW-2S	2	4.90	8.71	3.0-8.0	258.84	253.94
MW-2M	2	5.22	12.29	14.0-19.0	258.99	253.77
MW-2D	2	5.42	29.54	25.0-30.0	258.91	253.49
MW-3	2	5.98	14.70	5.0-20.0	259.08	253.10
MW-4S	2	4.98	8.35	3.0-8.0	259.14	254.16
MW-4D	2	6.15	23.38	17.0-22.0	259.22	253.07
MW-5S	2	5.27	8.24	3.0-8.0	259.43	254.16
MW-5D	2	5.40	22.65	17.0-22.0	259.40	254.00
MW-6S	2	4.96	15.00	5.0-15.0	258.75	253.79
MW-6D	2	6.01	29.15	24.5-29.5	259.27	253.26
MW-7S	2	4.67	8.48	5.0-8.0	258.84	254.17
MW-7D	2	6.41	23.61	20.0-25.0	258.80	252.39
MW-8	2	3.98	15.34	5.0-15.0	258.84	254.86
MW-9S	2	4.52	12.20	5.3-12.3	258.41	253.89
MW-9D	2	6.40	24.28	18.9-23.9	258.86	252.46
MW-9LF	2	6.05	39.11	33.3-38.3	258.94	252.89
MW-10S	2	5.52	9.58	4.8-9.8	260.67	255.15
MW-10D	2	7.09	19.38	15.5-20.5	260.64	253.55
MW-10LF	2	7.77	39.90	34.4-39.4	260.58	252.81
MW-11S	2	5.29	9.43	4.8-9.8	258.96	253.67
MW-11D	2	5.59	20.50	15.3-20.3	258.98	253.39
MW-11LF	2	5.84	39.41	32.8-37.8	259.01	253.17
MW-12S	2	7.35	11.04	4.6-11.6	262.69	255.34
MW-12D	2	7.02	19.70	16.0-21.0	262.70	255.68
MW-12LF	2	7.22	39.50	33.7-38.7	262.90	255.68

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 Services, Inc. personnel on September 21, 2009.
Total depth and depth to water measurements taken by Tait Environmental Services, Inc. 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
		06/08/09	3.50	255.18	ND
		09/21/09	4.15	254.53	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
		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
		06/08/09	4.30	254.54	ND
		09/21/09	4.90	253.94	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
		06/08/09	4.67	254.32	ND
		09/21/09	5.22	253.77	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
		06/08/09	4.85	254.06	ND
		09/21/09	5.42	253.49	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	06/23/98	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
		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
		06/08/09	5.55	253.53	ND
		09/21/09	5.98	253.10	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-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
		06/08/09	4.80	254.34	ND
		09/21/09	4.98	254.16	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
		06/08/09	5.60	253.62	ND
		09/21/09	6.15	253.07	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
		06/08/09	4.83	254.60	ND
		09/21/09	5.27	254.16	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
		06/08/09	4.95	254.45	ND
		09/21/09	5.40	254.00	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-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
		06/08/09	4.40	254.35	ND
		09/21/09	4.96	253.79	ND
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
		06/08/09	5.30	253.97	ND
		09/21/09	6.01	253.26	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-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
		06/08/09	2.90	255.94	ND
		09/21/09	4.67	254.17	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
		06/08/09	4.15	254.65	ND
		09/21/09	6.41	252.39	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-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
		6/8/2009	3.35	255.49	ND
		9/21/2009	3.98	254.86	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
		06/08/09	4.10	254.31	Odor
		09/21/09	4.52	253.89	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
		06/08/09	3.00	255.86	Odor
		09/21/09	6.40	252.46	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-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
		06/08/09	4.85	254.09	ND
		09/21/09	6.05	252.89	ND
MW-10S	260.67	06/12/06	5.00	255.67	ND
		09/05/06	5.62	255.05	ND
		12/04/06	5.04	255.63	ND
		02/26/07	3.88	256.79	ND
		06/11/07	4.84	255.83	ND
		09/11/07	4.94	255.73	ND
		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
		06/08/09	5.50	255.17	ND
		09/21/09	5.52	255.15	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
		06/08/09	6.70	253.94	Odor
		09/21/09	7.09	253.55	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-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
		06/08/09	7.15	253.43	Odor
		09/21/09	7.77	252.81	ND
MW-11S	258.96	06/12/06	3.69	255.27	ND
		09/05/06	7.69	251.27	ND
		12/04/06	7.28	251.68	ND
		02/26/07	4.20	254.76	ND
		06/11/07	5.72	253.24	ND
		09/11/07	7.10	251.86	ND
		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
		06/08/09	4.75	254.21	ND
		09/21/09	5.29	253.67	ND
MW-11D	258.98	06/12/06	3.70	255.28	ND
		09/05/06	8.50	250.48	ND
		12/04/06	7.65	251.33	ND
		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
		06/08/09	4.92	254.06	ND
		09/21/09	5.59	253.39	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-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
		06/08/09	5.13	253.88	ND
		09/21/09	5.84	253.17	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
		06/08/09	7.00	255.69	ND
		09/21/09	7.35	255.34	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
		06/08/09	6.80	255.90	ND
		09/21/09	7.02	255.68	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
		06/08/09	7.05	255.85	ND
		09/21/09	7.22	255.68	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
Third 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	09/22/09	**550**	**310**	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-2S	09/22/09	**10000**	**54**	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	**40**
MW-2M	09/22/09	**1700**	**230**	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	**18**
MW-2D	09/22/09	**1200**	**81**	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	**33**
MW-3	09/22/09	ND<50	**74**	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	**61**
MW-4S	09/21/09	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	09/21/09	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-5S	09/21/09	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	**2.0**
MW-5D	09/21/09	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	**2.6**
MW-6S	09/22/09	**940**	**230**	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	**58**
MW-6D	09/22/09	**550**	**65**	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	**65**
MW-7S	09/22/09	**210**	**360**	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-7D	09/23/09	**1200**	**8400**	**72**	**78**	**170**	**190**	ND<2.0	ND<10	ND<1.0
MW-8	09/23/09	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-9S	09/23/09	ND<50	**53**	ND<0.50	ND<0.50	ND<0.50	**2.32**	ND<2.0	ND<10	ND<1.0
MW-9D	09/23/09	**92**	**130**	ND<0.50	ND<0.50	**1.8**	**11.3**	ND<2.0	ND<10	ND<1.0
MW-9LF	09/23/09	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-10S	09/23/09	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	09/23/09	ND<50	**760**	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	ND<1.0
MW-10LF	09/23/09	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-11S	09/22/09	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	**2.5**

Table 3
Groundwater Analytical Results
Third 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	09/22/09	**6800**	**500**	**1.3**	ND<0.50	**2.2**	**3.22**	ND<2.0	ND<10	**15**
MW-11LF	09/22/09	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	**210**
MW-12S	09/22/09	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	09/22/09	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	09/22/09	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	ND<1.0
OXY-S	09/21/09	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	ND<1.0
OXY-D	09/21/09	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<10	ND<1.0
OXY-LF	09/21/09	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. 8015C.

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.
NS = No Sample

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
	06/09/09	**410**	**250**	ND< 0.50	ND< 0.50	**2.0**	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/22/09	**550**	**310**	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**
	06/10/09	**9900**	**140**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**30**
	09/22/09	**10000**	**54**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**40**

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**
	06/10/09	**2800**	**210**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**11**
	09/22/09	**1700**	**230**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**18**
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**
	06/10/09	**1800**	**99**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**19**
	09/22/09	**1200**	**81**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**33**

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-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**
	06/09/09	**660**	**79**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**87**
	09/22/09	ND< 50	**74**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**61**

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-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
	06/09/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/21/09	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
	06/09/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/21/09	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

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-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**
	06/09/09	**690**	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/21/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**2.0**
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**
	06/09/09	**300**	**110**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**2.6**
	09/21/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**2.6**

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-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**
	06/10/09	**1800**	**260**	ND< 0.5	ND< 0.5	ND< 0.50	ND< 1.0	ND< 2.0	ND< 10	**61**
	09/22/09	**940**	**230**	ND< 0.5	ND< 0.5	ND< 0.50	ND< 1.0	ND< 2.0	ND< 10	**58**
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**
	06/10/09	**670**	**3700**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**43**
	09/22/09	**550**	**65**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**65**

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-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
	06/08/09	ND< 50	**500**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/22/09	**210**	**360**	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
	06/08/09	**2000**	**12000**	**85**	**110**	**1000**	**413**	ND< 2.0	ND< 10	ND< 1.0
	09/23/09	**1200**	**8400**	**72**	**78**	**170**	**190**	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-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
	06/08/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/23/09	NS								
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
	06/08/09	**370**	**400**	ND< 0.5	ND< 0.5	ND< 0.5	**32**	ND< 2.0	ND< 10	ND< 1.0
	09/23/09	ND< 50	**53**	ND< 0.5	ND< 0.5	ND< 0.5	**2.32**	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
	06/08/09	**740**	**870**	**3.2**	**4.0**	**2.9**	**136**	ND< 2.0	ND< 10	ND< 1.0
	09/23/09	**92**	**130**	ND< 0.5	ND< 0.5	**1.8**	**11.3**	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-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
	06/08/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/23/09	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-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
	06/09/09	**220**	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/23/09	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
	06/10/09	**280**	**560**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/23/09	ND< 50	**760**	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-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
	06/10/09	ND< 50	**140**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/23/09	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-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**
	06/09/09	**270**	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**3.5**
	09/22/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**2.5**
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**
	06/10/09	**50000**	ND< 50	**2.8**	ND< 0.5	**4.2**	**5.81**	ND< 2.0	ND< 10	**10**
	09/22/09	**6800**	**500**	**1.3**	ND< 0.5	**2.2**	**3.22**	ND< 2.0	ND< 10	**15**

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-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**
	06/09/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**160**
	09/22/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	**210**
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
	06/09/09	ND< 50	ND< 50	ND< 0.5	**0.95**	ND< 0.5	**1.4**	ND< 2.0	ND< 10	ND< 1.0
	09/22/09	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
	06/09/09	ND< 50	**51**	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/22/09	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

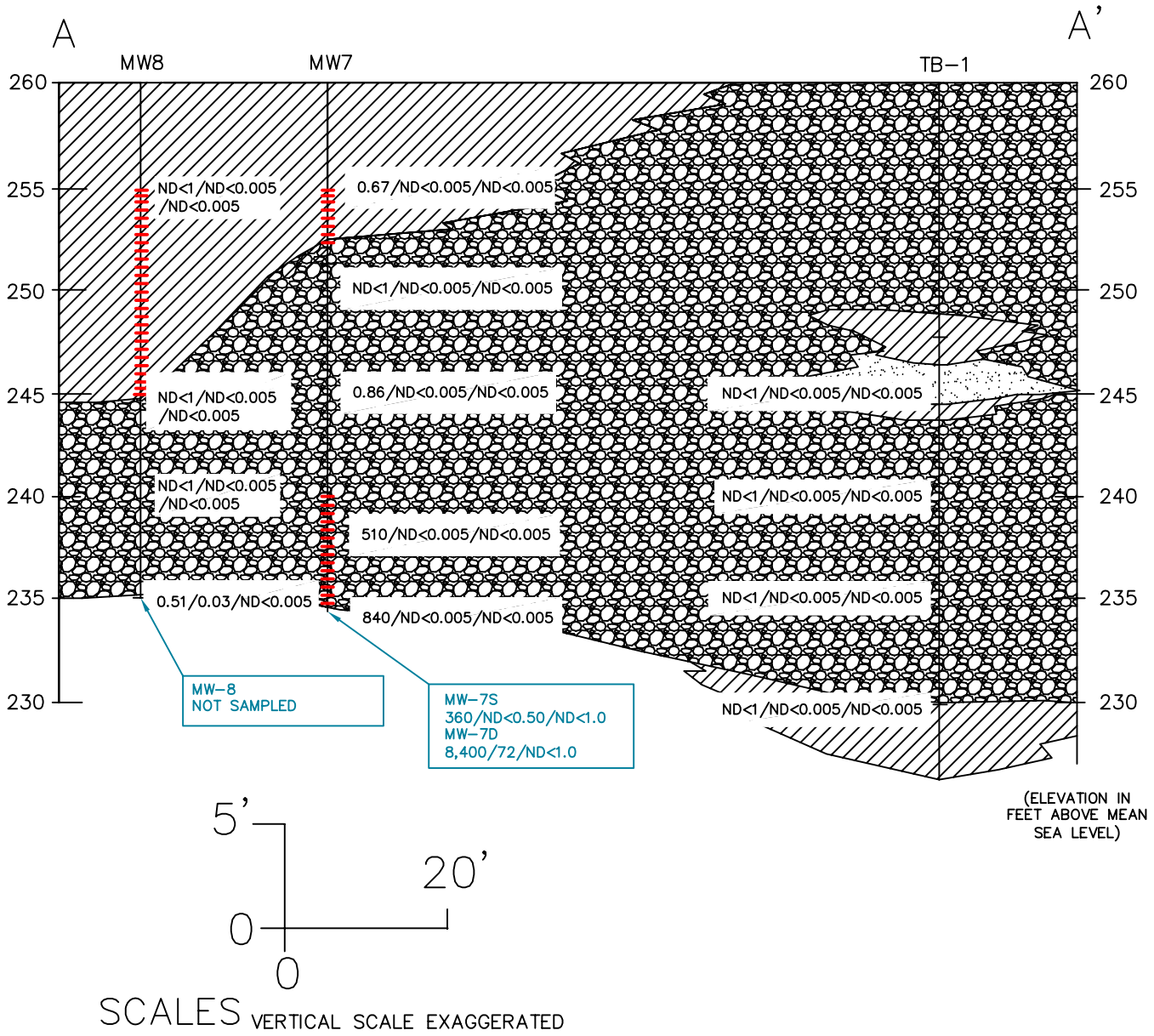
Table 4
Historical Groundwater Analytical Results
Hanson Aggregates - Mission Valley Rock Facility
Sunol, California

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-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
	06/09/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
	09/22/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
OXY-S	09/21/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
OXY-D	09/21/09	ND< 50	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 1.0	ND< 2.0	ND< 10	ND< 1.0
OXY-LF	09/21/09	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
SEPTEMBER 2009 (µg/l) (Below Section):

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

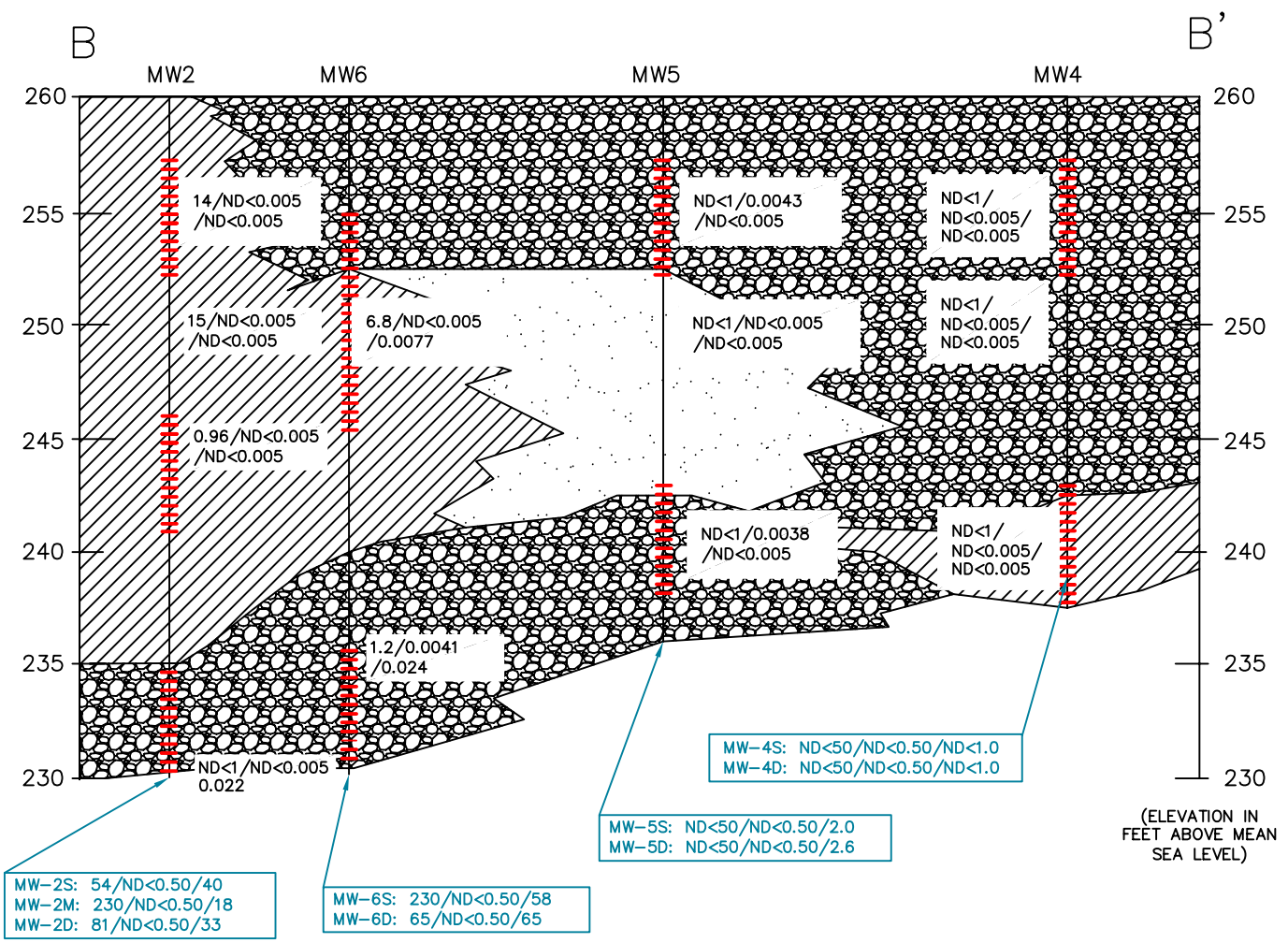
701 NORTH PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX

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:	EM5009F
DATE:	OCTOBER 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
SEPTEMBER 2009 (µg/l) (Below Section):

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

SCALES VERTICAL SCALE EXAGGERATED

5'
0
0
20'

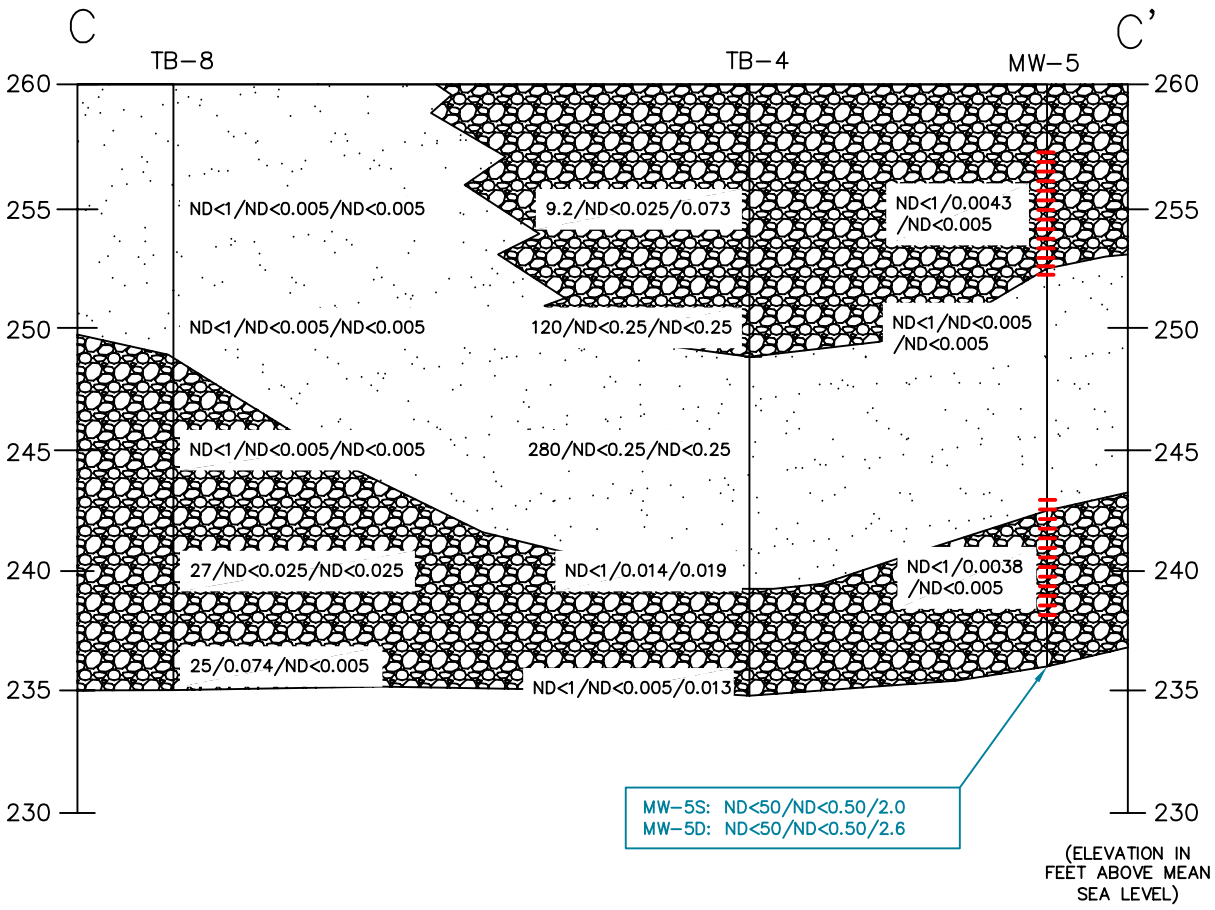
701 NORTH PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX

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:	EM5009F
DATE:	OCTOBER 2009



LEGEND

SILTY SAND/SAND

GRAVEL

Screen Interval in Well

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

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

GROUNDWATER DATA RESULTS
SEPTEMBER 2009 (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

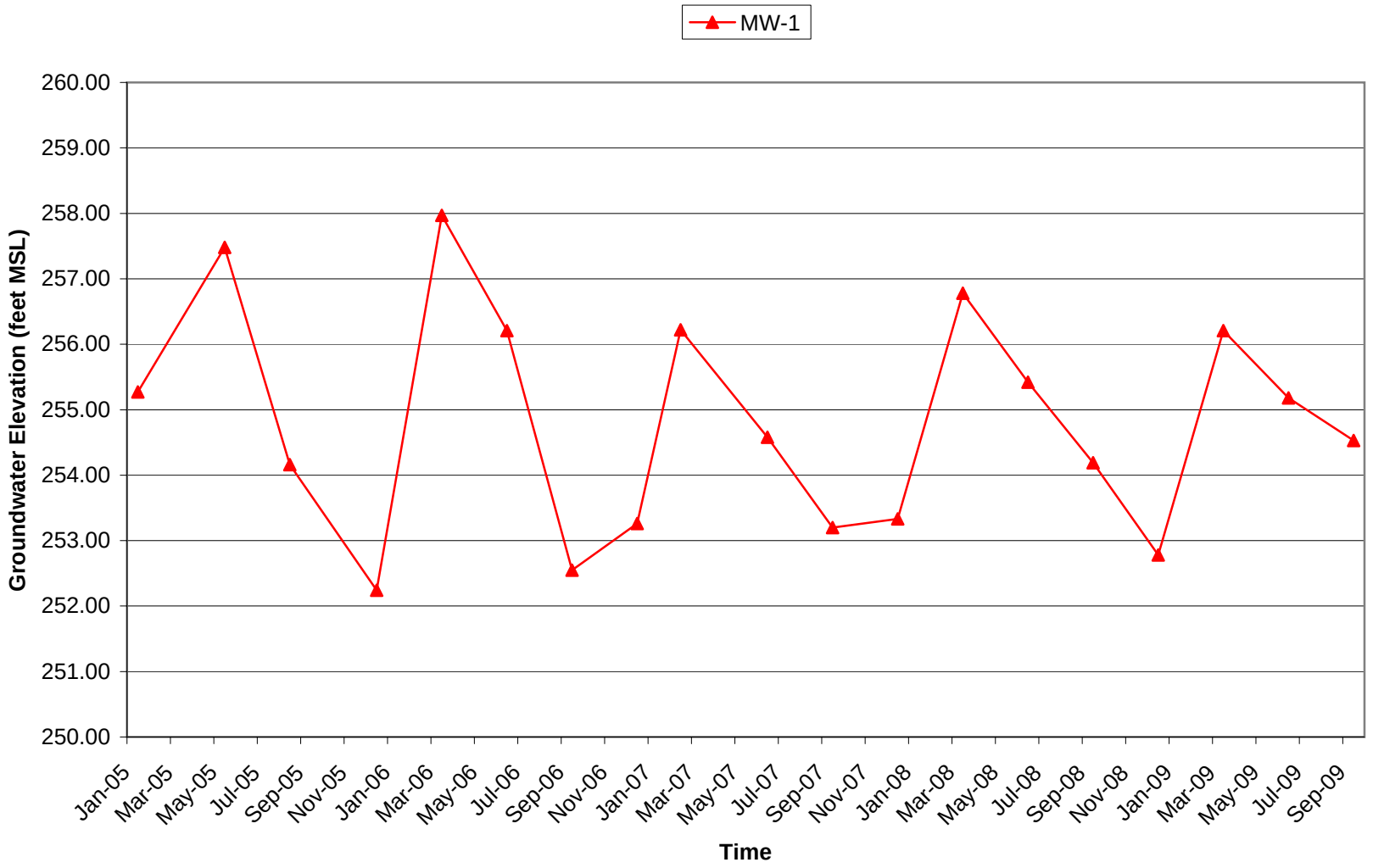
DRAWN BY:	N.M.
REVIEWED BY:	P.M.
PROJECT:	EM5009F
DATE:	OCTOBER 2009

APPENDIX B

HYDROGRAPHS

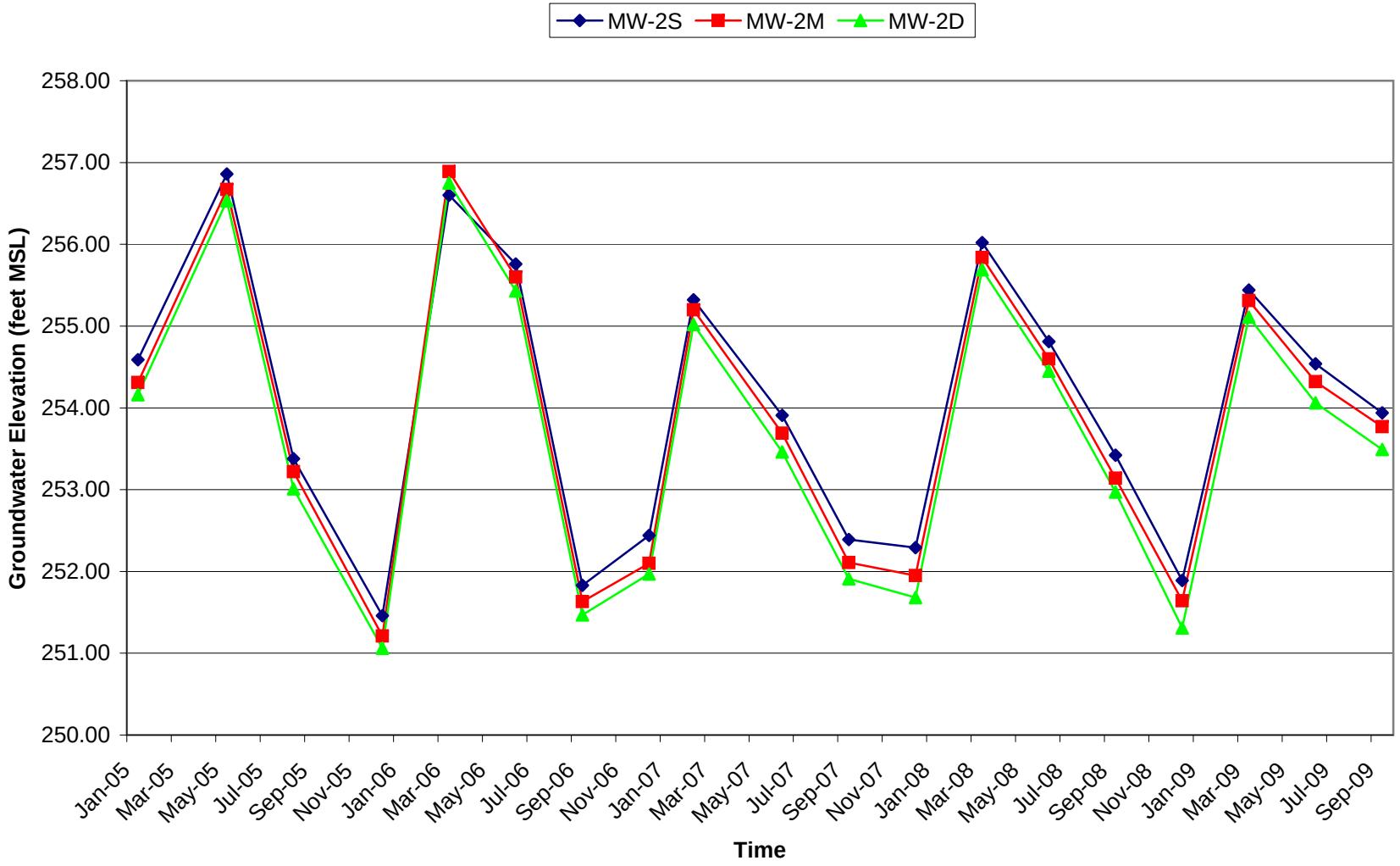
GROUNDWATER ELEVATION VS. TIME (MW-1)

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



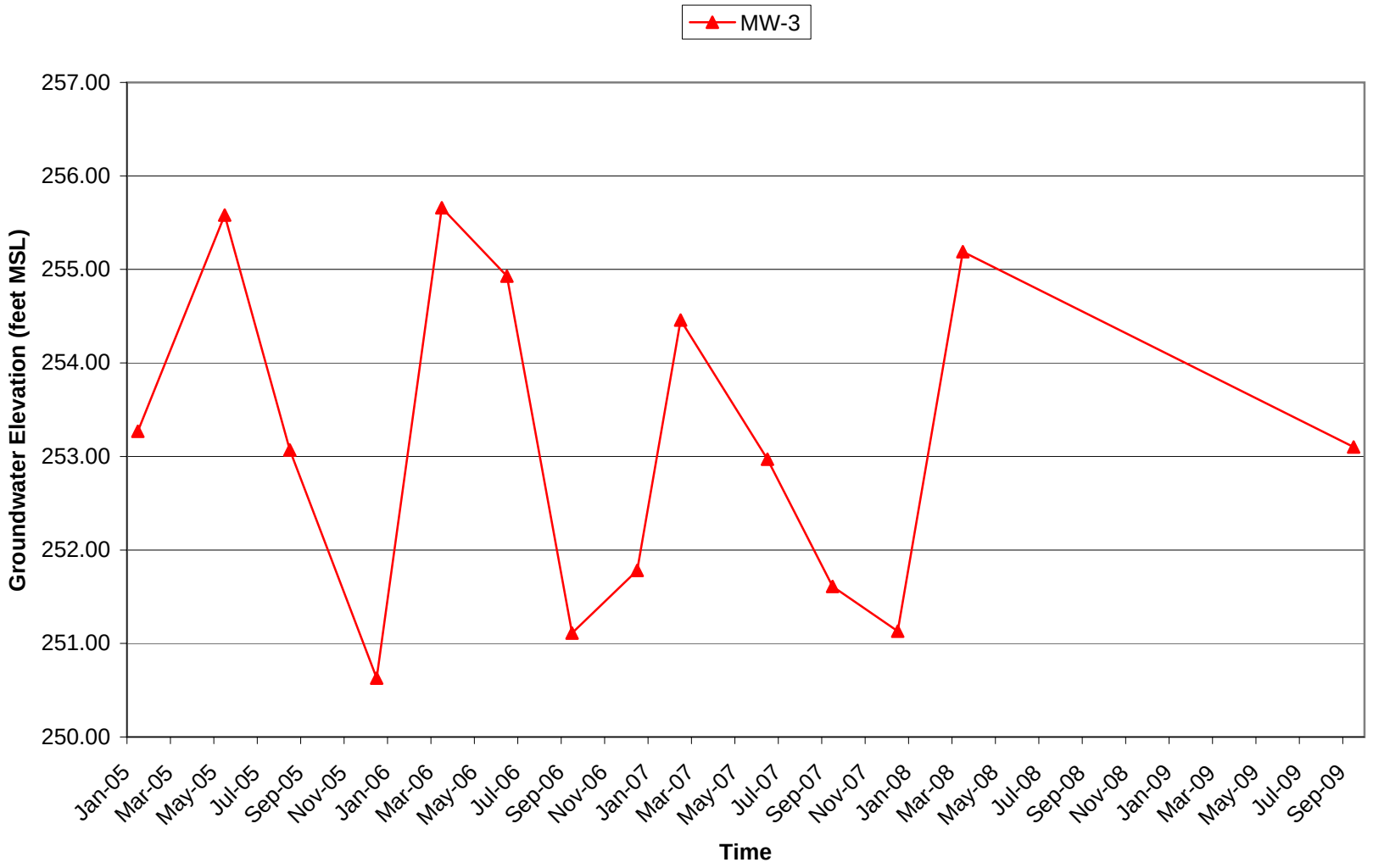
GROUNDWATER ELEVATION VS. TIME (MW-2S, MW-2M, MW-2D)

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



GROUNDWATER ELEVATION VS. TIME (MW-3)

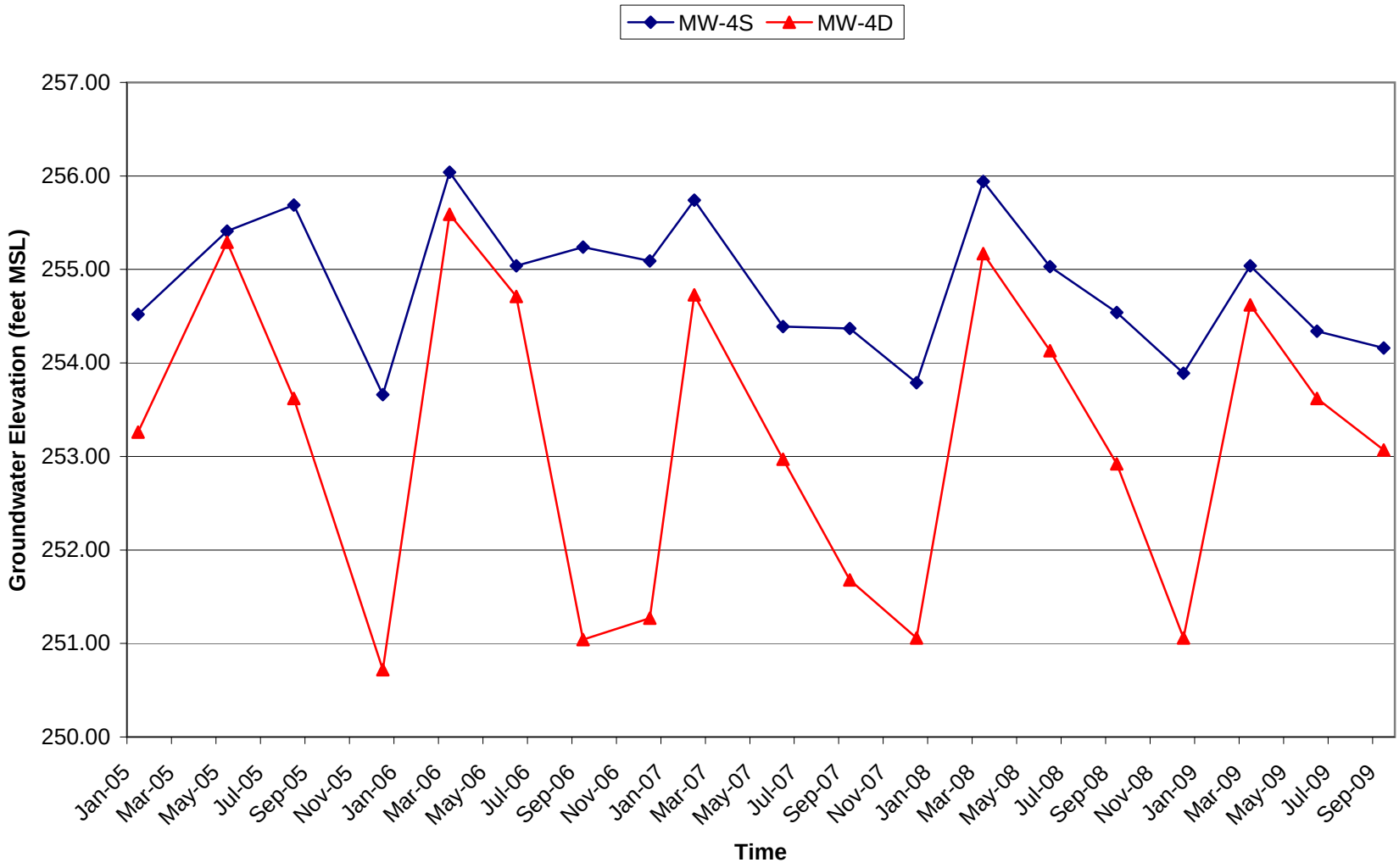
HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



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

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

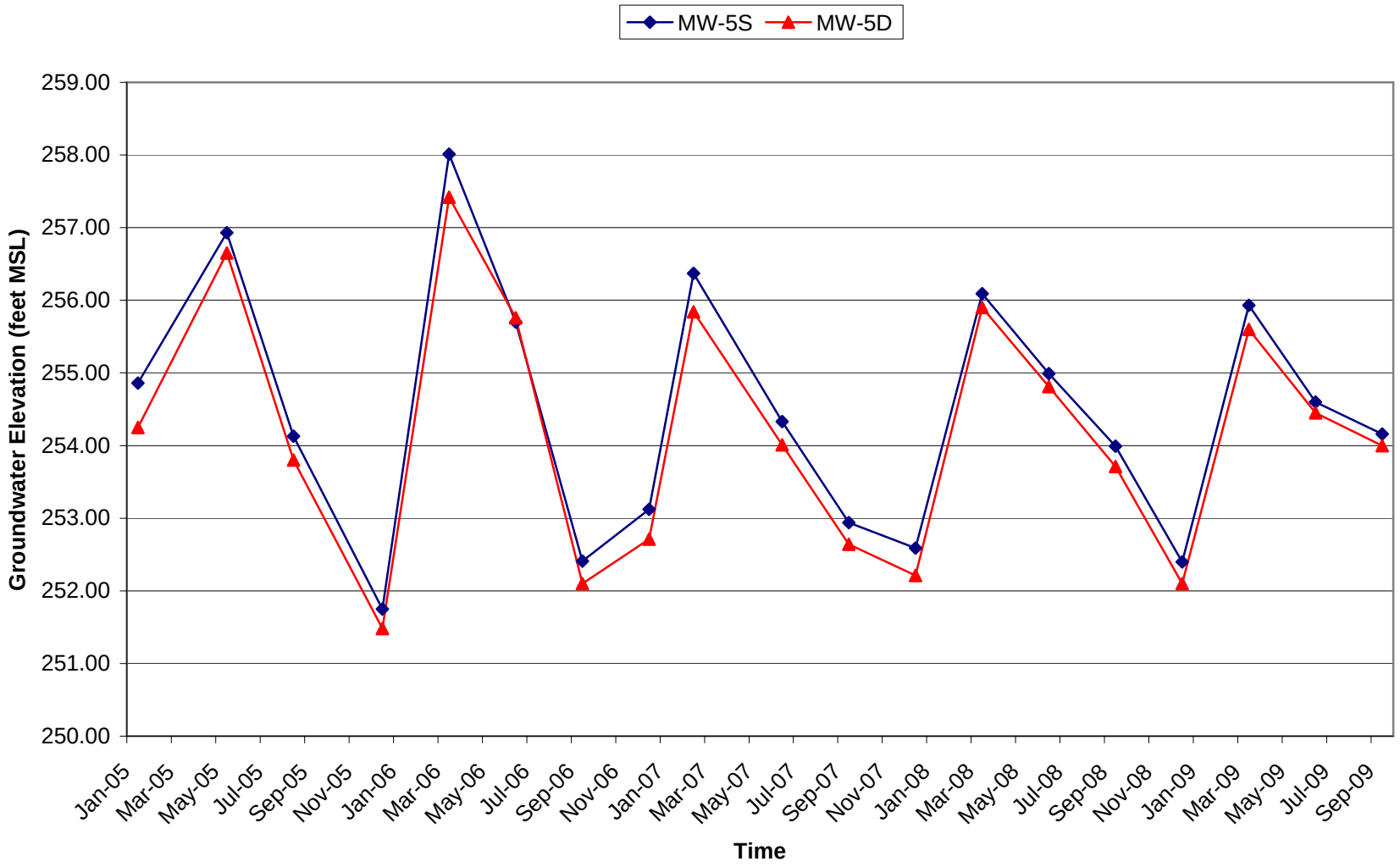
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



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

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

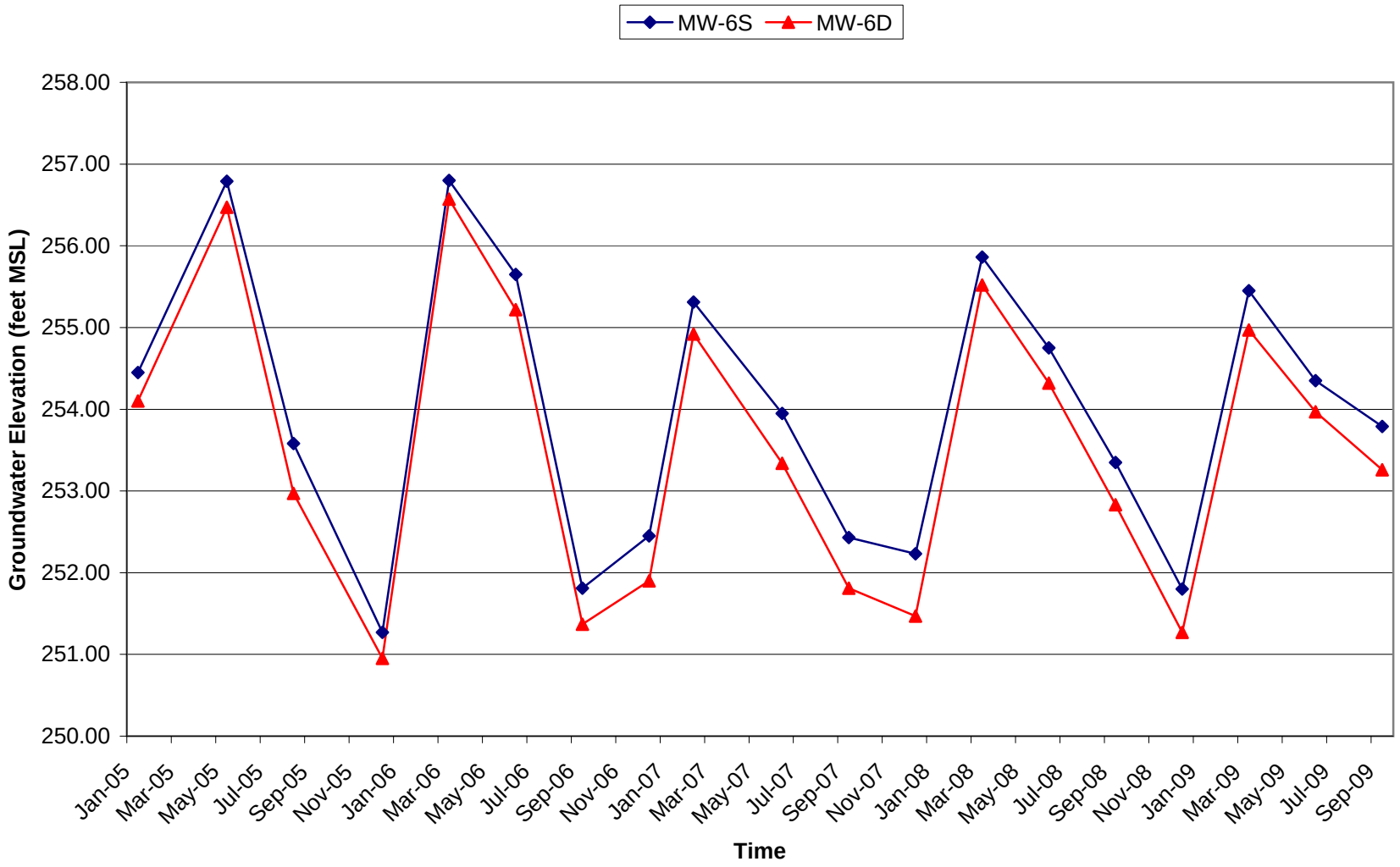
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



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

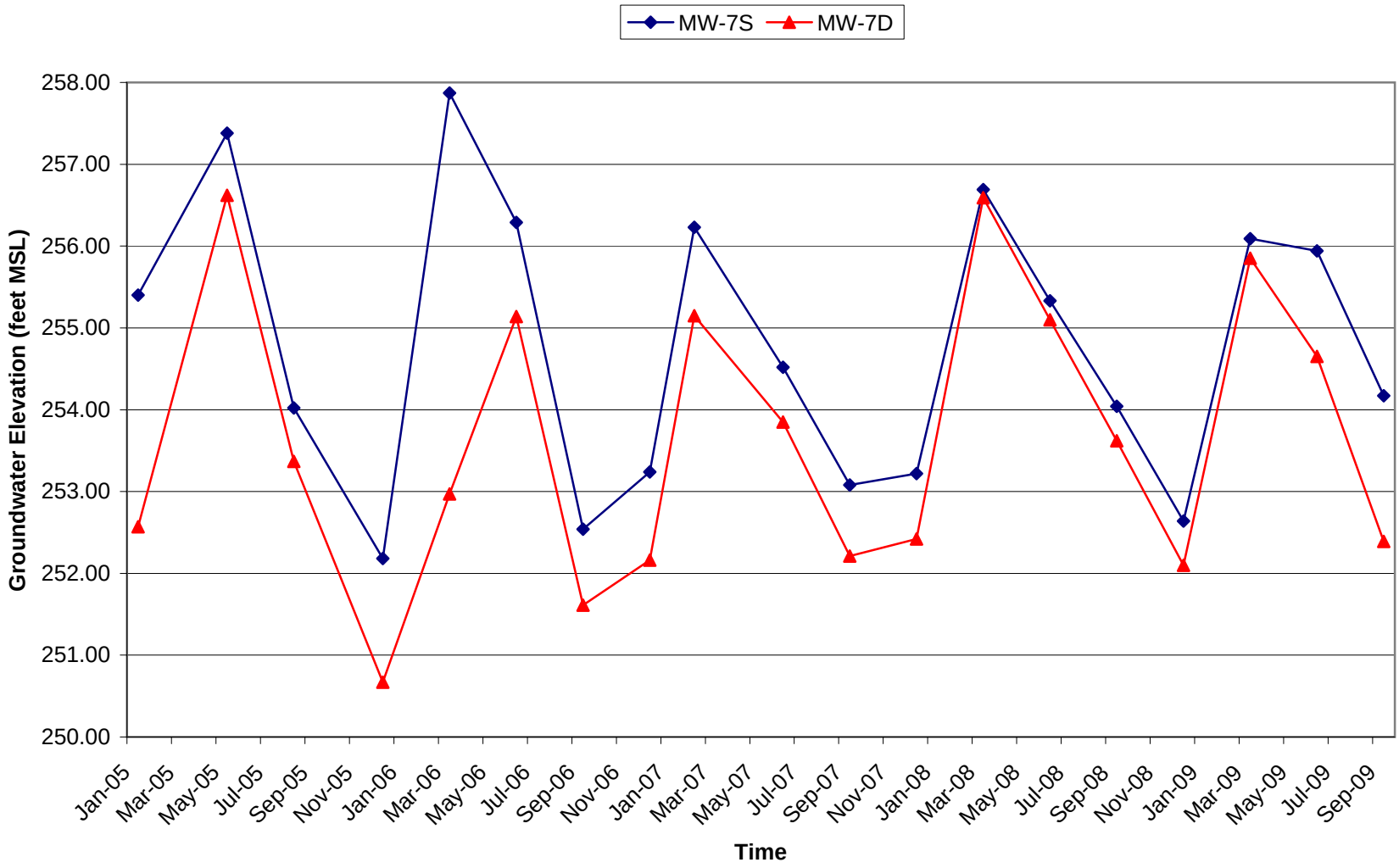
HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

7999 ATHENOUR WAY, SUNOL, CALIFORNIA



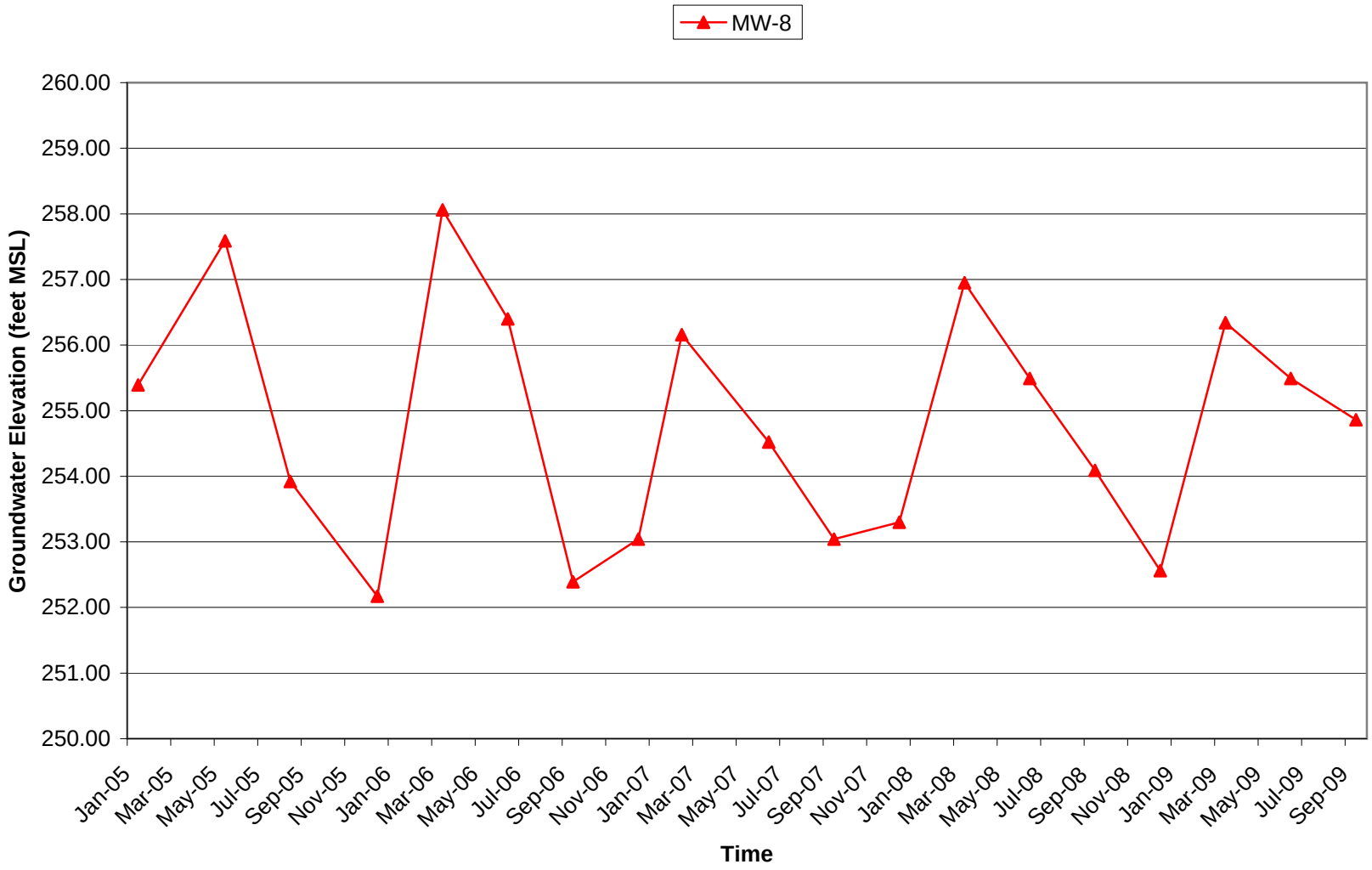
GROUNDWATER ELEVATION VS. TIME (MW-7S, MW-7D)

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



GROUNDWATER ELEVATION VS. TIME (MW-8)

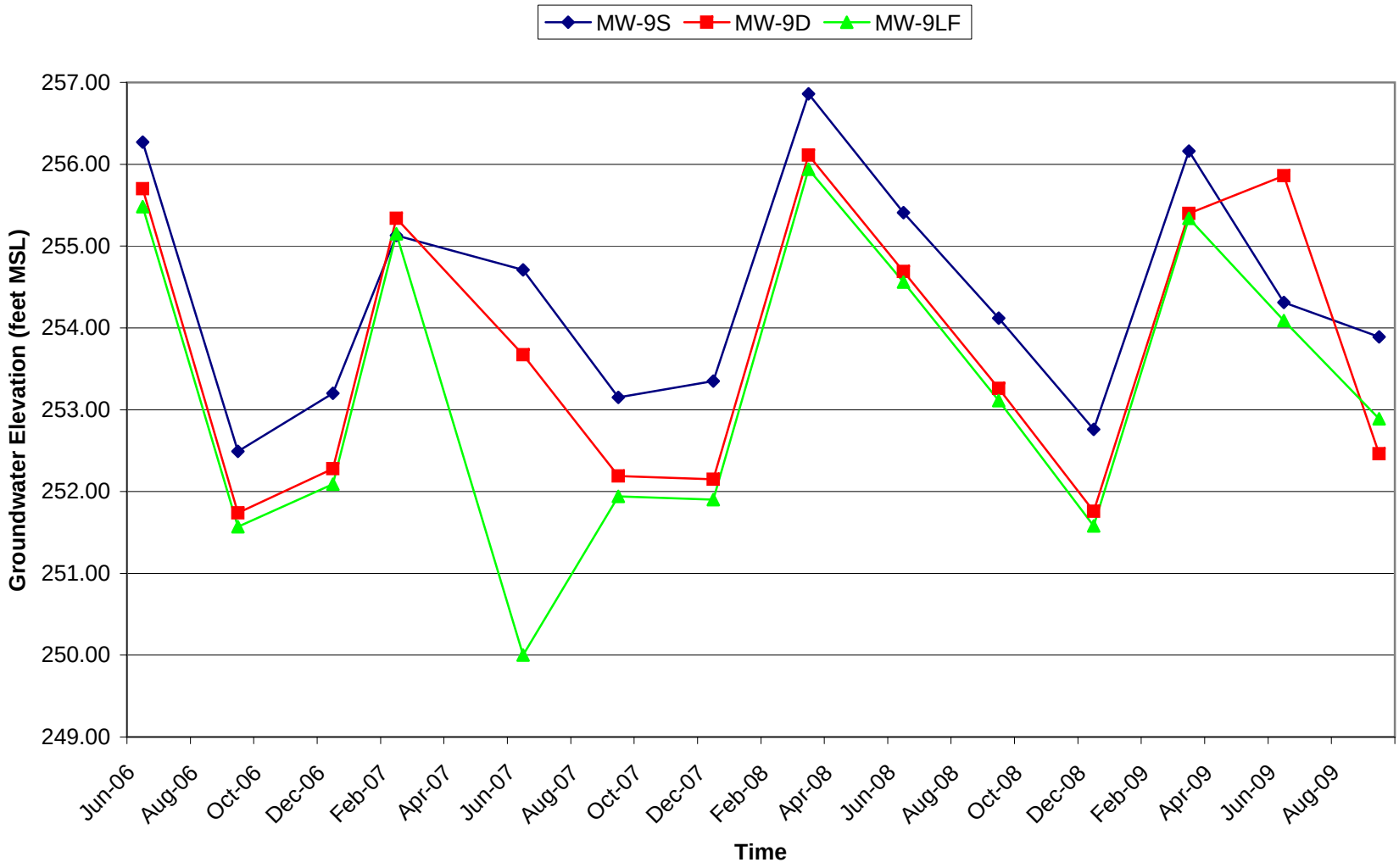
HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



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

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

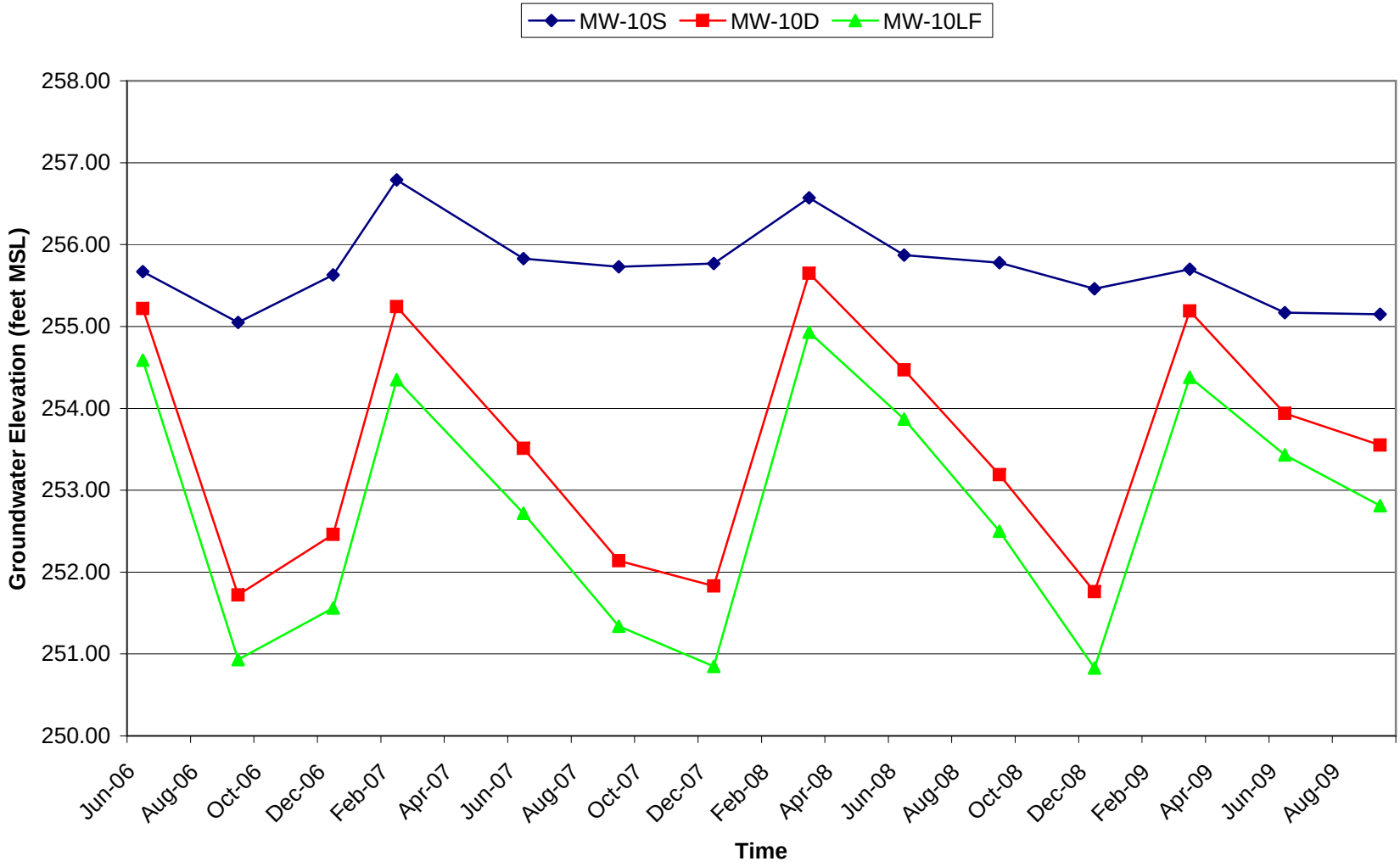
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



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

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

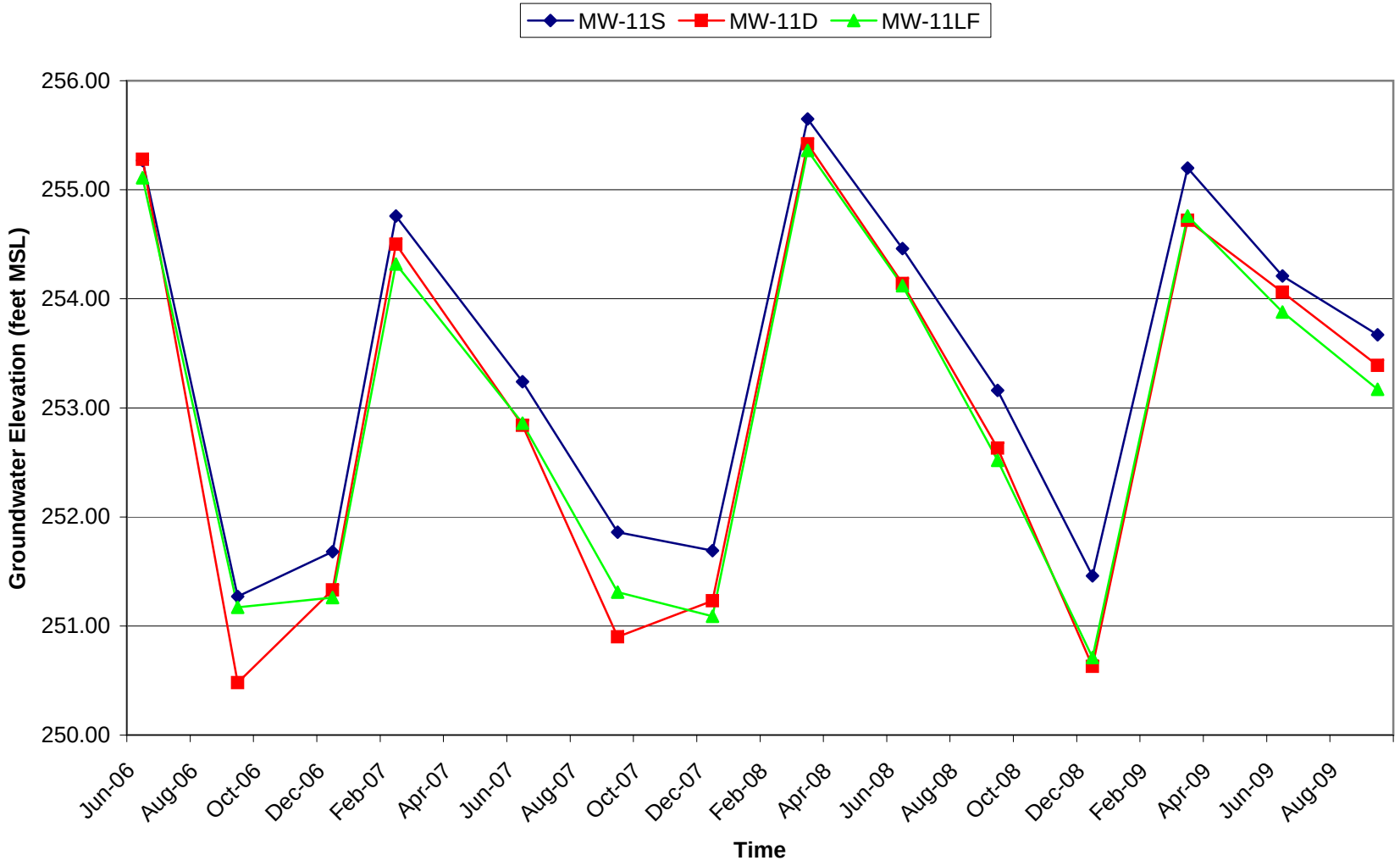
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



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

HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

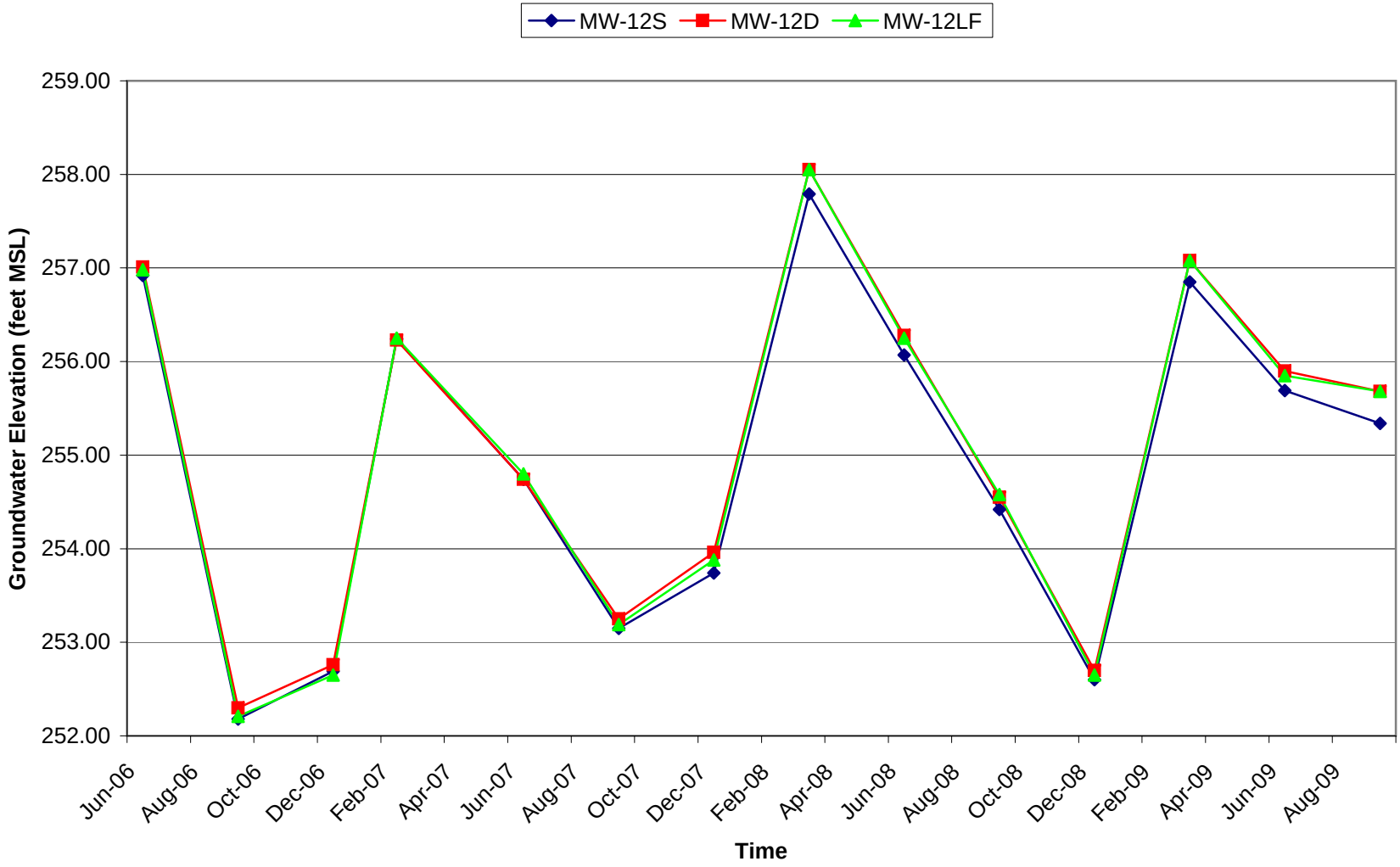
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



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:** 9/21/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 45	**Weather:** SUNNY / 90 °F **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	4.98	8.35	3.37	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
1305	0	N/A	4.95	7.02	19.2	4.5	0.28	3.88	-49	CLEAR / NO ODOR
	500		5.01	7.11	18.2	1.2	0.28	3.94	-61	CLEAR / NO ODOR
	1000		5.03	7.13	18.2	0	0.28	3.94	-69	CLEAR / NO ODOR
	1500		5.03	7.14	18.2	0	0.28	3.95	-71	CLEAR / NO ODOR
	2000		5.03	7.14	18.1	0	0.28	3.95	-71	CLEAR / NO ODOR
1324	2500	N/A	5.03	7.14	18.1	0	0.28	3.95	-71	CLEAR / NO ODOR

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	1324	N/A	2500	5.03	1330	MW-45

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/21/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - # 40	**Weather:** SUNNY / 90°F **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	6.15	~~Est~~ 23.38	17.23	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
1333	0	N/A	6.16	6.99	22.1	3.7	0.29	6.21	-75	CLEAR / NO ODOR
	500		6.21	7.11	22.0	9.1	0.29	3.41	-81	CLEAR / NO ODOR
	1000		6.22	7.15	20.9	9.0	0.29	3.20	-91	CLEAR / NO ODOR
	1500		6.22	7.16	20.4	8.8	0.29	3.19	-90	CLEAR / NO ODOR
	2000		6.82	7.16	20.3	8.8	0.29	3.19	-90	CLEAR / NO ODOR
1345	2500	N/A	6.22	7.16	20.3	8.8	0.29	3.19	-90	CLEAR / NO ODOR

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
1333	1345	N/A	2500	6.22	1350	MW-40

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/21/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: ~~MW-~~ OXY-5	**Weather:** SUNNY / 90°F **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	5.23	N/A	N/A	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
1403	0	N/A	5.23	7.21	22.6	226	0.23	15.04	-01	CLOUDY / NONE
	500		5.41	7.26	22.0	216	0.23	15.11	10	CLOUDY / NONE
	1000		5.41	7.30	22.1	215	0.23	17.10	20	CLOUDY / NONE
	1500		5.41	7.30	22.1	215	0.24	17.09	20	CLOUDY / NONE
	2000		5.41	7.30	22.1	214	0.23	17.09	21	CLOUDY / NONE
1415	2500	N/A	5.41	7.30	22.1	214	0.24	17.09	21	CLOUDY / NONE

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
1403	1415	N/A	2500	5.41	1420	OXY-5

Notes:

~~BO~~ BROKEN BOLT.

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/21/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: ~~MW~~ OXY-D	**Weather:** SUNNY / 90°F **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	5.30	N/A	N/A	/ 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
1422	0	N/A	5.30	6.92	22.3	<5.0>	0.17	<19.99>	68	CLOUDY / NO ODOR
	500		5.35	6.99	22.3	<5.0>	0.17	<19.99	72	CLOUDY / NO ODOR
	1000		5.35	7.21	22.0	<5.0>	0.17	<19.99	78	CLOUDY / NO ODOR
	1500		5.35	7.20	21.9	<5.0>	0.17	<19.99	78	CLOUDY / NO ODOR
	2000		5.35	7.20	21.9	<5.0>	0.17	<19.99	78	CLOUDY / NO ODOR
1435	2500	N/A	5.35	7.20	21.9	<5.0>	0.17	<19.99	78	CLOUDY / NO ODOR

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
1422	1435	N/A	2500	5.35	1440	OXY-D

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/21/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: ~~MW~~ - OXY-LF	**Weather:** SUNNY / 90°F **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	5.20	N/A	N/A	NA

Time	Volume Purged (ml)	Flow Rate (ml/min)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1442	0	N/A	5.20	7.12	22.7	790.1	0.18	14.62	95	CLOUDY / NO ODOR
	500		5.25	7.19	22.8	781.1	0.18	14.71	95	CLOUDY / NO ODOR
	1000		5.25	7.18	22.7	146.2	0.18	14.81	96	CLOUDY / NO ODOR
	1500		5.25	7.18	22.7	101.0	0.18	14.80	96	CLOUDY / NO ODOR
	2000		5.25	7.19	22.7	101.1	0.18	14.80	95	CLOUDY / NO ODOR
1451	2500	N/A	5.25	7.19	22.7	101.1	0.18	14.80	95	CLOUDY / NO ODOR

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
1442	1451	N/A	2500	5.25	1456	OXY-LF

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/21/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 55	**Weather:** SUNNY/90°F **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	5.27	8.24	2.67	NA

Time	Volume Purged (ml)	Flow Rate (ml/min)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (M/S)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1501	0	N/A	5.27	6.89	21.2	0	0.27	2.40	-140	CLEAR / NONE
/	250	/	5.33	6.91	21.3	0	0.27	2.40	-138	CLEAR / NONE
	500		5.34	6.92	21.5	0	0.27	2.31	-135	CLEAR / NONE
	750		5.34	6.90	21.5	0	0.27	2.33	-135	CLEAR / NONE
1516	1000	N/A	5.34	6.90	21.5	0	0.27	2.33	-134	CLEAR / NONE

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
1501	1516	N/A	1000	5.34	~~1514~~ 1520	MW-55

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/21/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 5D	**Weather:** SUNNY/90°F **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	22.65	17.25	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
1525	0	N/A	5.40	7.06	19.2	Ø	0.30	2.92	-129	CLEAR
|	500	|	5.45	7.01	19.0	Ø	0.30	2.98	-135	CLEAR
|	1000	|	5.53	6.99	19.2	Ø	0.30	2.96	-136	CLEAR
|	1500	|	5.53	7.00	19.1	Ø	0.30	2.90	-135	CLEAR
1542	2000	N/A	5.53	7.00	19.1	Ø	0.30	2.90	~~-5~~ 135	CLEAR

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
1525	1542	N/A	~~5.53~~ 2000	5.53	1542	MW-5D

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW-125	**Weather:** SUNNY / 90°F **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	7.35	11.04	3.69	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
730	0	N/A	7.35	7.10	20.3	22.2	0.26	3.62	-50	CLEAR / NO ODOR
/	250	/	7.55	7.02	19.8	20.1	0.27	3.70	-40	CLEAR / NO ODOR
/	500	/	7.60	7.00	19.7	10.2	0.27	3.82	-20	CLEAR / NO ODOR
/	750	/	7.60	7.00	19.7	10.3	0.27	3.92	-19	CLEAR / NO ODOR
740	1000	N/A	7.60	7.00	19.7	10.2	0.27	3.92	-19	CLEAR / NO ODOR

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
730	740	N/A	2000	7.60	745	MW-125

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW-12D	**Weather:** SUNNY/80 **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	7.02	19.70	12.68	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
750	0	N/A	7.02	6.92	20.6	140	0.17	9.21	110	CLOUDY / NO ODOR
/	500	/	7.10	6.80	19.2	100.2	0.15	5.21	81	CLOUDY / NO ODOR
/	1000	/	7.13	6.75	19.0	40.2	0.15	4.01	70	CLOUDY / NO ODOR
/	1500	/	7.13	6.75	19.0	21.2	0.15	3.63	69	CLEAR / NO ODOR
810	2000	N/A	7.13	6.75	19.0	21.0	0.15	3.62	70	CLEAR / NO ODOR

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
750	810	N/A	2000	7.13	815	MW-12D

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 12LF	**Weather:** 80°/SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	7.22	39.50	32.28	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
817	0	N/A	7.22	6.93	20.6	0	0.20	4.21	-12	CLEAR/NO ODOR
/	500	/	7.30	6.72	20.0	0	0.20	4.30	0	CLEAR/NO ODOR
/	1000	/	7.36	6.70	19.9	0	0.20	7.31	10	CLEAR/NO ODOR
/	1500	/	7.36	6.70	19.9	0	0.20	7.32	15	CLEAR/NO ODOR
832	2000	N/A	7.36	6.70	19.9	0	0.20	7.31	14	CLEAR/NO ODOR

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
817	832	N/A	2000	7.36	8:37	MW-12LF

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 1	**Weather:** 80°F / SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	4.15	17.78	13.63	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
847	0	N/A	4.15	6.12	18.2	7.9	0.25	4.10	-26	CLEAR / NO ODOR
	500		4.40	6.10	18.0	3.2	0.29	3.62	-48	CLEAR / NO ODOR
	1000		4.45	6.02	17.9	1.1	0.29	3.43	-81	CLEAR / NO ODOR
	1500		4.45	6.01	17.9	0	0.29	3.40	-82	CLEAR / NO ODOR
	2000		4.45	6.00	17.9	0	0.29	3.41	-82	CLEAR / NO ODOR
900	2500	N/A	4.45	6.01	18.0	0	0.29	3.41	-81	CLEAR / NO ODOR

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
847	900	N/A	2500	4.45	905	MW-1

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 75	**Weather:** 80°F/SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	4.67	8.48	3.81	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
9:15	0	N/A	4.67	6.81	19.9	20	0.27	4.11	-190	CLEAR / NO ODOR
/	500	/	4.85	6.87	19.8	20	0.25	4.65	-180	CLEAR / NO ODOR
/	1000	/	4.89	6.80	19.7	15	0.25	4.50	-186	CLEAR / NO ODOR
/	1500	/	4.90	6.80	19.7	10	0.25	4.51	-189	CLEAR / NO ODOR
930	2000	N/A	4.90	6.81	19.7	5	0.25	4.52	-189	CLEAR / NO ODOR

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
915	935	N/A	2000	4.90	935	MW-75

Notes: LID BOLT HOLE BROKEN

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 3	**Weather:** 80°F / SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	5.98	14.70	8.72	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
945	0	N/A	5.98	6.79	19.6	0	0.35	2.92	-136	CLEAR / NO ODOR
/	500	/	6.05	6.70	19.0	0	0.32	2.71	-162	CLEAR / NO ODOR
/	1000	/	6.10	6.67	19.0	0	0.32	2.40	-166	CLEAR / NO ODOR
/	1500	/	6.10	6.65	19.1	0	0.32	2.39	-170	CLEAR / NO ODOR
1000	2000	N/A	6.10	6.65	19.1	0	0.32	2.40	-170	CLEAR / NO ODOR

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
945	1000	N/A	2000	6.10	1005	MW-3

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 25	**Weather:** 85°F/SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	4.90	8.71	3.81	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
1015	0	N/A	4.90	6.98	19.0	Ø	0.33	3.00	-150	CLEAR/NO ODOR
	250		5.16	6.71	19.2	Ø	0.33	2.41	-160	CLEAR/NO ODOR
	500		5.16	6.61	19.2	Ø	0.33	2.45	-155	CLEAR/NO ODOR
	750		5.16	6.60	19.1	Ø	0.33	2.40	-156	CLEAR/NO ODOR
1035	1000	N/A	5.16	6.60	19.1	Ø	0.33	2.42	-156	CLEAR/NO ODOR

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
1015	1035	N/A	1000	5.16	1040	MW-25

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 2M	**Weather:** 85°F / SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	5.22	12.29	7.07	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
1043	0	N/A	5.22	6.76	18.7	0	0.27	2.92	-162	CLEAR / NO ODOR
/	500	/	5.48	6.70	18.9	0	0.26	2.76	-176	CLEAR / NO ODOR
/	1000	/	5.50	6.62	19.1	0	0.26	2.70	-182	CLEAR / NO ODOR
/	1500	/	5.50	6.62	19.1	0	0.26	2.71	-182	CLEAR / NO ODOR
1100	2000	N/A	5.50	6.63	19.0	0	0.26	2.71	-182	CLEAR / NO ODOR

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
1043	1100	N/A	2000	5.50	1105	MW - 2M

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 2D	**Weather:** 85°F/SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	29.54	24.12	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
1107	0	N/A	5.42	6.92	18.9	42.6	0.25	3.92	-151	CLOUDY / NO ODOR
/	500	/	5.60	6.81	18.7	28.6	0.24	3.51	-159	CLOUDY / NO ODOR
/	1000	/	5.61	6.80	18.8	100.2	0.24	2.96	-165	CLOUDY / NO ODOR
/	1500	/	5.61	6.82	18.8	50.2	0.24	2.97	-160	CLOUDY / NO ODOR
1126	2000	N/A	5.61	6.82	18.8	50.2	0.24	2.97	-162	CLOUDY / NO ODOR

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
1107	1125	N/A	2000	5.61	1130	MW-2D

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock
Project No.: EM5009
Well Identification: MW - 65
Measurement Point Description: TOC -north

Date: 9/22/09
Prepared By: Lester Widner
Weather: 85°F / SUNNY **Screen:** N/A
Pump Intake: N/A

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	4.96	15.00	14.04	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
1140	0	N/A	4.96	6.91	18.9	10.2	0.27	3.26	-167	CLEAR / NO ODOR
/	500	/	5.15	6.85	18.7	12.1	0.26	2.91	-172	CLEAR / NO ODOR
	1000		5.20	6.80	18.8	14.2	0.26	2.41	-183	CLEAR / NO ODOR
/	1500	/	5.20	6.84	18.8	12.1	0.26	2.40	-182	CLEAR / NO ODOR
1155	2000	N/A	5.20	6.81	18.8	12.2	0.26	2.40	-182	CLEAR / NO ODOR

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
1140	1155	N/A	2000	5.20	1200	MW-65

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 6D	**Weather:** 85°F / SONNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	6.01	29.15	23.14	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
1203	0	N/A	6.01	6.91	20.1	2.6	0.30	2.16	-163	CLEAR/NO ODOR
/	500	/	6.21	6.81	19.3	0.9	0.24	2.10	-169	CLEAR/NO ODOR
/	1000	/	6.21	6.86	19.5	Ø	0.25	2.05	-168	CLEAR/NO ODOR
/	1500	/	6.21	6.85	19.5	Ø	0.25	2.06	-165	CLEAR/NO ODOR
1215	2000	N/A	6.21	6.85	19.4	Ø	0.25	2.07	-164	CLEAR/NO ODOR

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
1203	1215	N/A	2000	6.21	1220	MW-6D

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 11LF	**Weather:** 85°F/SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	5.84	39.41	33.57	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
1222	0	N/A	5.84	7.11	19.6	17.6	0.25	3.21	-182	CLEAR / NO ODOR
/	500	/	6.04	7.10	19.4	14.3	0.20	2.42	-163	CLEAR / NO ODOR
/	1000	/	6.05	7.10	19.2	14.9	0.20	2.36	-160	CLEAR / NO ODOR
/	1500	/	6.05	7.11	19.2	14.4	0.20	2.38	-161	CLEAR / NO ODOR
1240	2000	N/A	6.05	7.11	19.2	14.5	0.20	2.37	-162	CLEAR / NO ODOR

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
1222	1240	N/A	2000	6.05	1245	MW-11LF

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/22/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 115	**Weather:** 85°F/SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	5.29	9.43	4.14	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
1247	0	N/A	5.29	7.02	19.6	0	0.20	2.76	-165	CLEAR / NO
/	500	/	5.48	7.06	19.7	0	0.22	2.16	-155	CLEAR / NO
/	1000	/	5.49	7.08	19.8	0	0.21	2.11	-158	CLEAR / NO
/	1500	/	5.49	7.08	19.8	0	0.21	2.10	-155	CLEAR / NO
1300	2000	N/A	5.49	7.08	19.8	0	0.21	2.10	-155	CLEAR / NO

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
1247	1300	N/A	2000	5.49	1305	MW-115

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock
Project No.: EM5009
Well Identification: MW - 11D
Measurement Point Description: TOC -north

Date: 9/22/09
Prepared By: Lester Widner
Weather: 85°F/ SUNNY **Screen:** N/A
Pump Intake: N/A

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	5.59	20.50	14.91	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
1307	0	N/A	5.59	6.98	19.6	240	0.26	3.41	-200	CLOUDY / ODOR
/	500	/	5.75	6.90	18.9	121	0.21	2.71	-210	CLOUDY ODOR
/	1000	/	5.76	6.85	18.8	69	0.20	2.61	-209	CLOUDY / ODOR
/	1500	/	5.76	6.82	18.8	40	0.20	2.63	-209	CLEAR / ODOR
/	2000	/	5.76	6.83	18.8	20	0.20	2.63	-215	CLEAR / ODOR
1330	2500	N/A	5.76	6.83	18.9	19	0.20	2.64	-214	CLEAR / ODOR

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
1307	1330	N/A	2500	5.76	1335	MW - 11D

Notes: ~~AK~~ 500 ML EXTRA

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/23/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 105	**Weather:** SUNNY / 80°F **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	5.52	9.58	4.06	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
700	0	N/A	5.52	6.93	20.3	5.6	0.19	5.11	-130	CLEAR / NO ODOR
/	500	/	5.74	6.98	20.1	3.6	0.22	4.26	-121	CLEAR / NO ODOR
/	1000	/	5.76	7.00	19.9	2.1	0.22	2.93	-110	CLEAR / NO ODOR
/	1500	/	5.76	7.01	19.8	1.1	0.22	2.94	-112	CLEAR / NO ODOR
715	2000	N/A	5.76	7.01	19.8	1.0	0.22	2.94	-112	CLEAR / NO ODOR

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
700	715	N/A	2000	5.76	720	MW-105

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/23/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 10D	**Weather:** SUNNY / 80 °F **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	7.09	19.38	12.29	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
7.25	0	N/A	7.09	6.26	22.8	121.6	0.17	3.86	-186	CLOUDY / HIGH
/	500	/	7.26	6.20	19.2	311.2	0.18	2.76	-197	CLOUDY / HIGH
/	1000	/	7.28	6.46	18.4	249.1	0.19	2.42	-221	CLOUDY / HIGH
/	1500	/	7.28	6.71	18.4	162.2	0.19	2.32	-224	CLOUDY / HIGH
/	2000	/	7.28	6.70	18.6	163.1	0.19	2.30	-221	CLOUDY / HIGH
7.40	2500	N/A	7.28	6.70	18.6	163.8	0.19	2.31	-220	CLOUDY / HIGH

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
7.25	7.40	N/A	2500	7.28	7.45	MW-10D

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/23/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 10LF	**Weather:** 80°F / SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	7.77	39.90	32.13	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
750	0	N/A	7.77	7.12	17.7	42.1	0.36	4.13	-192	CLOAR / HIGH
/	500		7.80	7.00	17.8	13.6	0.32	3.62	-193	CLOAR / HIGH
	1000	/	7.80	6.71	17.8	0	0.30	2.91	-195	CLOAR / HIGH
	1500		7.80	6.75	17.8	0	0.30	2.86	-196	CLOAR / HIGH
802	2000	N/A	7.80	6.76	17.8	0	0.30	2.80	-198	CLOAR / HIGH

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
750	802	N/A	2000	7.80	807	MW - 10LF

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/23/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 95	**Weather:** 80°F / SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	4.52	12.20	7.68	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
820	0	N/A	4.52	6.62	22.0	13.2	0.28	3.38	50	CLEAR / BAD
/	500	/	4.79	6.59	21.8	12.4	0.27	3.46	45	CLEAR / BAD
/	1000	/	4.80	6.70	21.6	11.8	0.27	3.53	46	CLEAR / BAD
/	1500	/	4.80	6.70	21.6	11.6	0.27	3.52	47	CLEAR / BAD
840	2000	N/A	4.80	6.71	21.6	11.7	0.27	3.51	47	CLEAR / BAD

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
820	840	N/A	2000	4.80	845	MW-95

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock
Project No.: EM5009
Well Identification: MW - 9D
Measurement Point Description: TOC -north

Date: 9/23/09
Prepared By: Lester Widner
Weather: 80°F/SUNNY **Screen:** N/A
Pump Intake: N/A

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	6.40	24.28	17.88	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
850	0	N/A	6.40	6.81	23.2	112.7	0.31	5.21	-392	GREY / ODOR
/	500	/	6.61	6.80	23.6	126.2	0.31	4.62	-346	GREY / ODOR
/	1000	/	6.62	6.79	23.6	118.2	0.31	4.20	-340	GREY / ODOR
/	1500	/	6.62	6.79	23.7	118.0	0.31	4.16	-342	GREY / ODOR
910	2000	N/A	6.62	6.79	23.8	118.1	0.31	4.11	-343	GREY / ODOR

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
850	910	N/A	2000	6.62	915	MW-9D

Notes:

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/23/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 9LF	**Weather:** 80°F / SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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)
		39.11		
NA	6.05	~~24.28~~	~~18.23~~ 33.06	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
918	0	N/A	6.05	7.59	19.9	11.2	0.20	3.56	40	CLEAR / NO ODOR
/	500	/	6.14	7.42	19.4	10.6	0.20	3.62	52	CLEAR / NO ODOR
/	1000	/	6.15	7.20	19.3	9.4	0.20	3.68	76	CLEAR / NO ODOR
/	1500	/	6.15	7.20	19.3	9.1	0.20	3.67	75	CLEAR / NO ODOR
930	2000	N/A	6.15	7.21	19.3	9.2	0.20	3.68	75	CLEAR / NO ODOR

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
918	930	N/A	2000	6.15	935	MW-9LF

Notes: BOTH BOLTS HOLES RUSTED. NEEDS TO BE REPLACE

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 9/23/09
Project No.: EM5009	**Prepared By:** Lester Widner
Well Identification: MW - 7D	**Weather:** 80°F/SUNNY **Screen:** N/A
Measurement Point Description: TOC -north	**Pump Intake:** N/A

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	6.41	23.61	17.20	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
945	0	N/A	6.41	6.52	19.0	8.8	0.22	2.30	-210	CLEAR / HIGH
/	500	/	6.66	6.50	18.5	9.6	0.22	2.31	-221	CLEAR / HIGH
/	1000	/	6.68	6.45	18.6	9.9	0.22	2.33	-220	CLEAR / HIGH
/	1500	/	6.68	6.51	18.6	8.9	0.22	2.31	-226	CLEAR / HIGH
1000	2000	N/A	6.68	6.51	18.6	9.0	0.22	2.31	-224	CLEAR / HIGH

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
945	1000	N/A	2000	6.68	1005	MW-7D

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 #:	98833-DW
Description of Waste:	1 Drum(s) of
	Non-Hazardous
	Water
Removal Date:	9/25/09
Ticket #:	SP250909-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
Authorized Representative (Print Name and Signature)

9/25/09
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

09 November 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 09/24/09 09:34. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4S	T900871-01	Water	09/21/09 13:30	09/24/09 09:34
MW-4D	T900871-02	Water	09/21/09 13:50	09/24/09 09:34
OXY-1S	T900871-03	Water	09/21/09 14:20	09/24/09 09:34
OXY-1D	T900871-04	Water	09/21/09 14:40	09/24/09 09:34
OXY-1LF	T900871-05	Water	09/21/09 14:56	09/24/09 09:34
MW-5S	T900871-06	Water	09/21/09 15:20	09/24/09 09:34
MW-5D	T900871-07	Water	09/21/09 15:43	09/24/09 09:34
MW-12S	T900871-08	Water	09/22/09 07:40	09/24/09 09:34
MW-12D	T900871-09	Water	09/22/09 08:15	09/24/09 09:34
MW-12LF	T900871-10	Water	09/22/09 08:37	09/24/09 09:34
MW-1	T900871-11	Water	09/22/09 09:00	09/24/09 09:34
MW-7S	T900871-12	Water	09/22/09 09:35	09/24/09 09:34
MW-3	T900871-13	Water	09/22/09 10:05	09/24/09 09:34
MW-2S	T900871-14	Water	09/22/09 10:40	09/24/09 09:34
MW-2M	T900871-15	Water	09/22/09 11:05	09/24/09 09:34
MW-2D	T900871-16	Water	09/22/09 11:30	09/24/09 09:34
MW-6S	T900871-17	Water	09/22/09 12:00	09/24/09 09:34
MW-6D	T900871-18	Water	09/22/09 12:20	09/24/09 09:34
MW-11LF	T900871-19	Water	09/22/09 12:45	09/24/09 09:34
MW-11S	T900871-20	Water	09/22/09 13:05	09/24/09 09:34
MW-11D	T900871-21	Water	09/22/09 13:35	09/24/09 09:34
MW-10S	T900871-22	Water	09/23/09 07:20	09/24/09 09:34
MW-10D	T900871-23	Water	09/23/09 07:45	09/24/09 09:34
MW-10LF	T900871-24	Water	09/23/09 08:07	09/24/09 09:34
MW-9S	T900871-25	Water	09/23/09 08:45	09/24/09 09:34
MW-9D	T900871-26	Water	09/23/09 09:15	09/24/09 09:34

SunStar Laboratories, Inc.

John Shepler, Laboratory Director

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.

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-9LF	T900871-27	Water	09/23/09 09:35	09/24/09 09:34
MW-7D	T900871-28	Water	09/23/09 10:05	09/24/09 09:34
MW-TB	T900871-29	Water	09/23/09 10:15	09/24/09 09:34

SunStar Laboratories, Inc.

John Shepler, Laboratory Director

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.

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-4S

T900871-01 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*122 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/25/09	EPA 8015C	
Surrogate: p-Terphenyl		*107 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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: Toluene-d8		*108 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.8 %*	*83.5-119*		"	"	"	"	*S-GC*
Surrogate: Dibromofluoromethane		*123 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-4D

T900871-02 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*110 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	
Surrogate: p-Terphenyl		*101 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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: Toluene-d8		*107 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.9 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*120 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

OXY-1S

T900871-03 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*85.3 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	
Surrogate: p-Terphenyl		*74.3 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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: Toluene-d8		*106 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.5 %*	*83.5-119*		"	"	"	"	*S-GC*
Surrogate: Dibromofluoromethane		*134 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

OXY-1D

T900871-04 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*75.0 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	
Surrogate: p-Terphenyl		*108 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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: Toluene-d8		*112 %*	*84.7-109*		"	"	"	"	*S-GC*
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*83.5-119*		"	"	"	"	*S-GC*
Surrogate: Dibromofluoromethane		*134 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

OXY-1LF

T900871-05 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*113 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	
Surrogate: p-Terphenyl		*90.6 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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: Toluene-d8		*107 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*83.5-119*		"	"	"	"	*S-GC*
Surrogate: Dibromofluoromethane		*136 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-5S

T900871-06 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*130 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	
Surrogate: p-Terphenyl		*111 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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	**2.0**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.6 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*131 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-5D

T900871-07 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*135 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	
Surrogate: p-Terphenyl		*90.5 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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	**2.6**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*116 %*	*84.7-109*		"	"	"	"	*S-GC*
Surrogate: 4-Bromofluorobenzene		*87.2 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*140 %*	*81.1-136*		"	"	"	"	*S-GC*

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-12S

T900871-08 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*138 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	
Surrogate: p-Terphenyl		*125 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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: Toluene-d8		*108 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.4 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*130 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-12D

T900871-09 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*112 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	
Surrogate: p-Terphenyl		*92.0 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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: Toluene-d8		*109 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.6 %*	*83.5-119*		"	"	"	"	*S-GC*
Surrogate: Dibromofluoromethane		*128 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-12LF

T900871-10 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*122 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	
Surrogate: p-Terphenyl		*87.4 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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: Toluene-d8		*107 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.2 %*	*83.5-119*		"	"	"	"	*S-GC*
Surrogate: Dibromofluoromethane		*130 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-1

T900871-11 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**310**	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*143 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**550**	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	D-08
Surrogate: p-Terphenyl		*114 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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: Toluene-d8		*110 %*	*84.7-109*		"	"	"	"	*S-GC*
Surrogate: 4-Bromofluorobenzene		*88.1 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*125 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-7S

T900871-12 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**360**	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*130 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**210**	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	D-08
Surrogate: p-Terphenyl		*82.7 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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: Toluene-d8		*115 %*	*84.7-109*		"	"	"	"	*S-GC*
Surrogate: 4-Bromofluorobenzene		*85.0 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*116 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-3

T900871-13 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**74**	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*138 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	
Surrogate: p-Terphenyl		*102 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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	**61**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.9 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*115 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-2S

T900871-14 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**54**	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*128 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**10000**	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	D-02
Surrogate: p-Terphenyl		*120 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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	**40**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.6 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*119 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-2M

T900871-15 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**230**	50	ug/l	1	9092413	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*118 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**1700**	50	ug/l	1	9092420	09/24/09	09/26/09	EPA 8015C	D-02
Surrogate: p-Terphenyl		*91.2 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092412	09/24/09	09/25/09	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	**18**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*84.7-109*		"	"	"	"	*S-GC*
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*123 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-2D

T900871-16 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**81**	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*127 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**1200**	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	D-02
Surrogate: p-Terphenyl		*111 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	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	**33**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*130 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-6S

T900871-17 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**230**	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*126 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**940**	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	D-08
Surrogate: p-Terphenyl		*80.6 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	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	**58**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-6D

T900871-18 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**65**	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*123 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**550**	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	D-02
Surrogate: p-Terphenyl		*107 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	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	**65**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*135 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-11LF

T900871-19 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*84.4 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	
Surrogate: p-Terphenyl		*113 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	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	**210**	5.0	"	5	"	"	09/26/09	"	
Surrogate: Toluene-d8		*104 %*	*84.7-109*		"	"	*09/25/09*	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*147 %*	*81.1-136*		"	"	"	"	*S-GC*

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-11S

T900871-20 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*100 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	
Surrogate: p-Terphenyl		*118 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	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	**2.5**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*139 %*	*81.1-136*		"	"	"	"	*S-GC*

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-11D

T900871-21 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**500**	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*142 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**6800**	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	D-02
Surrogate: p-Terphenyl		*91.3 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	**1.3**	0.50	ug/l	1	9092415	09/24/09	09/25/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**2.2**	0.50	"	"	"	"	"	"	
m,p-Xylene	**2.7**	1.0	"	"	"	"	"	"	
o-Xylene	**0.52**	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**15**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*116 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-10S

T900871-22 (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	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*101 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	
Surrogate: p-Terphenyl		*107 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	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: Toluene-d8		*106 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98.9 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-10D

T900871-23 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**760**	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*142 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	
Surrogate: p-Terphenyl		*89.1 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	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: Toluene-d8		*105 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.5 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-10LF

T900871-24 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*107 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	
Surrogate: p-Terphenyl		*82.6 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	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: Toluene-d8		*105 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.1 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-9S

T900871-25 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**53**	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*124 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	
Surrogate: p-Terphenyl		*107 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	**1.5**	1.0	"	"	"	"	"	"	
o-Xylene	**0.82**	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*126 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-9D

T900871-26 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**130**	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*126 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**92**	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	D-08
Surrogate: p-Terphenyl		*114 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.8**	0.50	"	"	"	"	"	"	
m,p-Xylene	**8.9**	1.0	"	"	"	"	"	"	
o-Xylene	**2.4**	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*127 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-9LF

T900871-27 (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	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*131 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	
Surrogate: p-Terphenyl		*84.2 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	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: Toluene-d8		*106 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.9 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*130 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-7D

T900871-28 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**8400**	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*106 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**1200**	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	D-08
Surrogate: p-Terphenyl		*89.2 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	**72**	0.50	ug/l	1	9092415	09/24/09	09/25/09	EPA 8260B	
Toluene	**78**	0.50	"	"	"	"	"	"	
Ethylbenzene	**170**	2.5	"	5	"	"	09/26/09	"	
m,p-Xylene	**170**	1.0	"	1	"	"	09/25/09	"	
o-Xylene	**20**	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.5 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

MW-TB

T900871-29 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	9092414	09/24/09	09/25/09	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*76.7 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	ND	50	ug/l	1	9092421	09/24/09	09/28/09	EPA 8015C	
Surrogate: p-Terphenyl		*94.4 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	9092415	09/24/09	09/25/09	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: Toluene-d8		*107 %*	*84.7-109*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*81.1-136*		"	"	"	"	

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

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 9092413 - EPA 5030 GC										
Blank (9092413-BLK1)				Prepared & Analyzed: 09/24/09						
C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*184*		*"*	*200*		*92.2*	*72.6-146*			
LCS (9092413-BS1)				Prepared & Analyzed: 09/24/09						
C6-C12 (GRO)	5160	50	ug/l	5500		93.8	75-125			
Surrogate: 4-Bromofluorobenzene	*200*		*"*	*200*		*99.9*	*72.6-146*			
LCS Dup (9092413-BSD1)				Prepared & Analyzed: 09/24/09						
C6-C12 (GRO)	4910	50	ug/l	5500		89.3	75-125	4.97	20	
Surrogate: 4-Bromofluorobenzene	*237*		*"*	*200*		*118*	*72.6-146*			
Batch 9092414 - EPA 5030 GC										
Blank (9092414-BLK1)				Prepared: 09/24/09 Analyzed: 09/25/09						
C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*151*		*"*	*200*		*75.7*	*72.6-146*			
LCS (9092414-BS1)				Prepared & Analyzed: 09/24/09						
C6-C12 (GRO)	5170	50	ug/l	5500		94.0	75-125			
Surrogate: 4-Bromofluorobenzene	*235*		*"*	*200*		*118*	*72.6-146*			
LCS Dup (9092414-BSD1)				Prepared & Analyzed: 09/24/09						
C6-C12 (GRO)	5120	50	ug/l	5500		93.1	75-125	0.951	20	
Surrogate: 4-Bromofluorobenzene	*196*		*"*	*200*		*97.8*	*72.6-146*			

SunStar Laboratories, Inc.

John Shepler, Laboratory Director

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.

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

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 9092420 - EPA 3510C GC										
Blank (9092420-BLK1)				Prepared: 09/24/09 Analyzed: 09/25/09						
Diesel Range Hydrocarbons	ND	50	ug/l							
Surrogate: p-Terphenyl	*3450*		*"*	*4000*		*86.3*	*65-135*			
LCS (9092420-BS1)				Prepared: 09/24/09 Analyzed: 09/25/09						
Diesel Range Hydrocarbons	15200	50	ug/l	20000		75.9	75-125			
Surrogate: p-Terphenyl	*3520*		*"*	*4000*		*88.0*	*65-135*			
Matrix Spike (9092420-MS1)		**Source: T900871-02**		Prepared: 09/24/09 Analyzed: 09/26/09						
Diesel Range Hydrocarbons	15500	50	ug/l	20000	31.7	77.2	75-125			
Surrogate: p-Terphenyl	*3530*		*"*	*4000*		*88.3*	*65-135*			
Matrix Spike Dup (9092420-MSD1)		**Source: T900871-02**		Prepared: 09/24/09 Analyzed: 09/26/09						
Diesel Range Hydrocarbons	16700	50	ug/l	20000	31.7	83.2	75-125	7.47	20	
Surrogate: p-Terphenyl	*3920*		*"*	*4000*		*97.9*	*65-135*			
Batch 9092421 - EPA 3510C GC										
Blank (9092421-BLK1)				Prepared: 09/24/09 Analyzed: 09/28/09						
Diesel Range Hydrocarbons	ND	50	ug/l							
Surrogate: p-Terphenyl	*2800*		*"*	*4000*		*69.9*	*65-135*			
LCS (9092421-BS1)				Prepared: 09/24/09 Analyzed: 09/28/09						
Diesel Range Hydrocarbons	17400	50	ug/l	20000		87.0	75-125			
Surrogate: p-Terphenyl	*4130*		*"*	*4000*		*103*	*65-135*			
Matrix Spike (9092421-MS1)		**Source: T900871-16**		Prepared: 09/24/09 Analyzed: 09/28/09						
Diesel Range Hydrocarbons	16400	50	ug/l	20000	1230	75.6	75-125			
Surrogate: p-Terphenyl	*3440*		*"*	*4000*		*85.9*	*65-135*			

SunStar Laboratories, Inc.

John Shepler, Laboratory Director

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.

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

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 9092421 - EPA 3510C GC										
Matrix Spike Dup (9092421-MSD1)	**Source: T900871-16**			Prepared: 09/24/09	Analyzed: 09/28/09					
Diesel Range Hydrocarbons	18600	50	ug/l	20000	1230	86.9	75-125	12.9	20	
Surrogate: p-Terphenyl	*4460*		*"*	*4000*		*111*	*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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

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 9092412 - EPA 5030 GCMS										
Blank (9092412-BLK1)				Prepared: 09/24/09 Analyzed: 09/25/09						
1,2-Dichloroethane	ND	0.50	ug/l							
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: Toluene-d8	*8.57*		"	*8.00*		*107*	*84.7-109*			
Surrogate: 4-Bromofluorobenzene	*6.85*		"	*8.00*		*85.6*	*83.5-119*			
Surrogate: Dibromofluoromethane	*9.38*		"	*8.00*		*117*	*81.1-136*			
LCS (9092412-BS1)				Prepared: 09/24/09 Analyzed: 09/25/09						
Chlorobenzene	19.1	1.0	ug/l	20.0		95.4	75-125			
1,1-Dichloroethene	20.4	1.0	"	20.0		102	75-125			
Trichloroethene	20.8	1.0	"	20.0		104	75-125			
Benzene	21.6	0.50	"	20.0		108	75-125			
Toluene	21.9	0.50	"	20.0		110	75-125			
Surrogate: Toluene-d8	*8.63*		"	*8.00*		*108*	*84.7-109*			
Surrogate: 4-Bromofluorobenzene	*7.60*		"	*8.00*		*95.0*	*83.5-119*			
Surrogate: Dibromofluoromethane	*8.79*		"	*8.00*		*110*	*81.1-136*			
LCS Dup (9092412-BSD1)				Prepared: 09/24/09 Analyzed: 09/25/09						
Chlorobenzene	20.4	1.0	ug/l	20.0		102	75-125	6.44	20	
1,1-Dichloroethene	20.1	1.0	"	20.0		101	75-125	1.14	20	
Trichloroethene	21.5	1.0	"	20.0		107	75-125	3.36	20	
Benzene	21.9	0.50	"	20.0		109	75-125	1.52	20	
Toluene	21.6	0.50	"	20.0		108	75-125	1.61	20	
Surrogate: Toluene-d8	*8.44*		"	*8.00*		*106*	*84.7-109*			
Surrogate: 4-Bromofluorobenzene	*7.93*		"	*8.00*		*99.1*	*83.5-119*			
Surrogate: Dibromofluoromethane	*8.78*		"	*8.00*		*110*	*81.1-136*			

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.

John Shepler, Laboratory Director

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

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 9092415 - EPA 5030 GCMS										
Blank (9092415-BLK1)				Prepared: 09/24/09 Analyzed: 09/25/09						
Benzene	ND	0.50	ug/l							
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	"							
C6-C12 (GRO)	ND	50	"							
Surrogate: Toluene-d8	*8.43*		"	*8.00*		*105*	*84.7-109*			
Surrogate: 4-Bromofluorobenzene	*8.11*		"	*8.00*		*101*	*83.5-119*			
Surrogate: Dibromofluoromethane	*9.30*		"	*8.00*		*116*	*81.1-136*			
LCS (9092415-BS1)				Prepared: 09/24/09 Analyzed: 09/25/09						
Chlorobenzene	20.7	1.0	ug/l	20.0		103	75-125			
1,1-Dichloroethene	21.7	1.0	"	20.0		108	75-125			
Trichloroethene	22.0	1.0	"	20.0		110	75-125			
Benzene	20.0	0.50	"	20.0		100	75-125			
Toluene	19.8	0.50	"	20.0		99.0	75-125			
Surrogate: Toluene-d8	*8.26*		"	*8.00*		*103*	*84.7-109*			
Surrogate: 4-Bromofluorobenzene	*7.93*		"	*8.00*		*99.1*	*83.5-119*			
Surrogate: Dibromofluoromethane	*7.36*		"	*8.00*		*92.0*	*81.1-136*			
LCS Dup (9092415-BSD1)				Prepared: 09/24/09 Analyzed: 09/25/09						
Chlorobenzene	19.3	1.0	ug/l	20.0		96.4	75-125	6.96	20	
1,1-Dichloroethene	24.0	1.0	"	20.0		120	75-125	10.4	20	
Trichloroethene	22.0	1.0	"	20.0		110	75-125	0.00	20	
Benzene	20.3	0.50	"	20.0		102	75-125	1.44	20	
Toluene	20.3	0.50	"	20.0		102	75-125	2.54	20	
Surrogate: Toluene-d8	*8.36*		"	*8.00*		*104*	*84.7-109*			
Surrogate: 4-Bromofluorobenzene	*7.36*		"	*8.00*		*92.0*	*83.5-119*			
Surrogate: Dibromofluoromethane	*7.89*		"	*8.00*		*98.6*	*81.1-136*			

SunStar Laboratories, Inc.

John Shepler, Laboratory Director

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.

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: EM5009	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	11/09/09 10:48

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
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.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

TG00871

Client: TAIT ENVIRONMENT SERVICES
Address: 701 N. PARK CENTER DR
Phone: 714-560-8200 Fax: 714-560-8235
Project Manager: PAUL MC CARTER

Date: 9/21/09 Page: 1 Of 3
Project Name: MISSION VALLEY ROCK
Collector: L. WIDNER Client Project #: EM-5009
Batch #: T0600010209 2 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals					Laboratory ID #	Comments/Preservative	Total # of containers
MW-4S	9/21/09	1330	H2O	VOA'S			X			X	X							01	HCL	5
MW-4D		1350	H2O	VOA'S			X			X	X							02		5
OXY-1S		1420					X			X	X							03		4
OXY-1D		1440					X			X	X							04		4
OXY-1LF		1456					X			X	X							05		4
MW-5S		1520					X			X	X							06		5
MW-5D		1543					X			X	X							07		5
~~MW-6~~	~~9/21/09~~	~~1635~~	~~H2O~~	~~VOA'S~~			~~X~~			~~X~~	~~X~~								~~HCL~~	~~5~~

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	9/23/09 1600		9/23 445
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
GSC	9/24/09 934		9/24/09 934

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

Total # of containers: 32
Chain of Custody seals Y/N/NA: Y
Seals intact? Y/N/NA: Y
Received good condition/cold: 5.4
Turn around time: STD

Notes
STD. TAT
9/24/09
BC

COC 91553

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

T900871

Client: TAIT ENVIRONMENTAL SERVICES
Address: 701 N PARK CENTER DR
Phone: 714.560-8200 Fax: 714.560.8235
Project Manager: PAUL MCCARTER

Date: 9/22/09 Page: 2 Of 3
Project Name: MISSION VALLEY ROCK
Collector: L WIDNER Client Project #: EM.[redacted]5009
Batch #: TD60001021092 EDF #:

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-12S	9/22/09	740	H2O	VOA'S			X			X	X							08	HCL	5
MW-12D		815					X			X	X							09		5
MW-12LF		837					X			X	X							10		5
MW-1		900					X			X	X							11		5
MW-7S		935					X			X	X							12		5
MW-3		1005					X			X	X							13		5
MW-2S		1040					X			X	X							14		5
MW-2M		1105					X			X	X							15		5
MW-2D		1130					X			X	X							16		5
MW-6S		1200					X			X	X							17		5
MW-6D		1220					X			X	X							18		5
MW-11LF		1245					X			X	X							19		5
MW-11S		1305					X			X	X							20		5
MW-11D	9/22/09	1335	H2O	VOA'S			X			X	X							21	HCL	5
																		22		

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	9/23/09 1600	[signature]	9/23 445
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
GSO	9/24/09 934	[signature]	9/24/09 934

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

Total # of containers	70
Chain of Custody seals Y/N/NA	Y
Seals intact? Y/N/NA	Y
Received good condition/cold	5.4

Turn around time: STD

Notes

STD. TAT

9/24/09

BC

COC 91555

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

T900871

Client: TAIT ENVIRONMENTAL SERVICES
Address: 701 N PARK CENTER DR
Phone: 714-560-8200 Fax: 714-560-8235
Project Manager: PAUL MC CARTER

Date: 9/23/09 Page: 3 of 3
Project Name: MISSION VALLEY ROCK
Collector: L WIDNER Client Project #: EM-5009
Batch #: T0600010209 2 EDF #:

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-10S	9/23/09	720	H2O	VOA's			X			X	X							22	HCL	5
MW-10D		745					X			X	X							23		5
MW-10F		807					X			X	X							24		5
MW-9S		845					X			X	X							26		5
MW-9D		915					X			X	X							28		5
MW-9F		935					X			X	X							27		5
MW-7D		1005					X			X	X							28		5
MW-7B		1015					X			X	X							29		2

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	9/23/09 1600		9/23 445
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
GSO	9/24/09 934		9/24/09 934

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

Total # of containers: 37
Chain of Custody seals Y/N/NA: Y
Seals intact? Y/N/NA: Y
Received good condition/cold: 5.4
Turn around time: STD

Notes
STD. TAT
9/24/09
BC

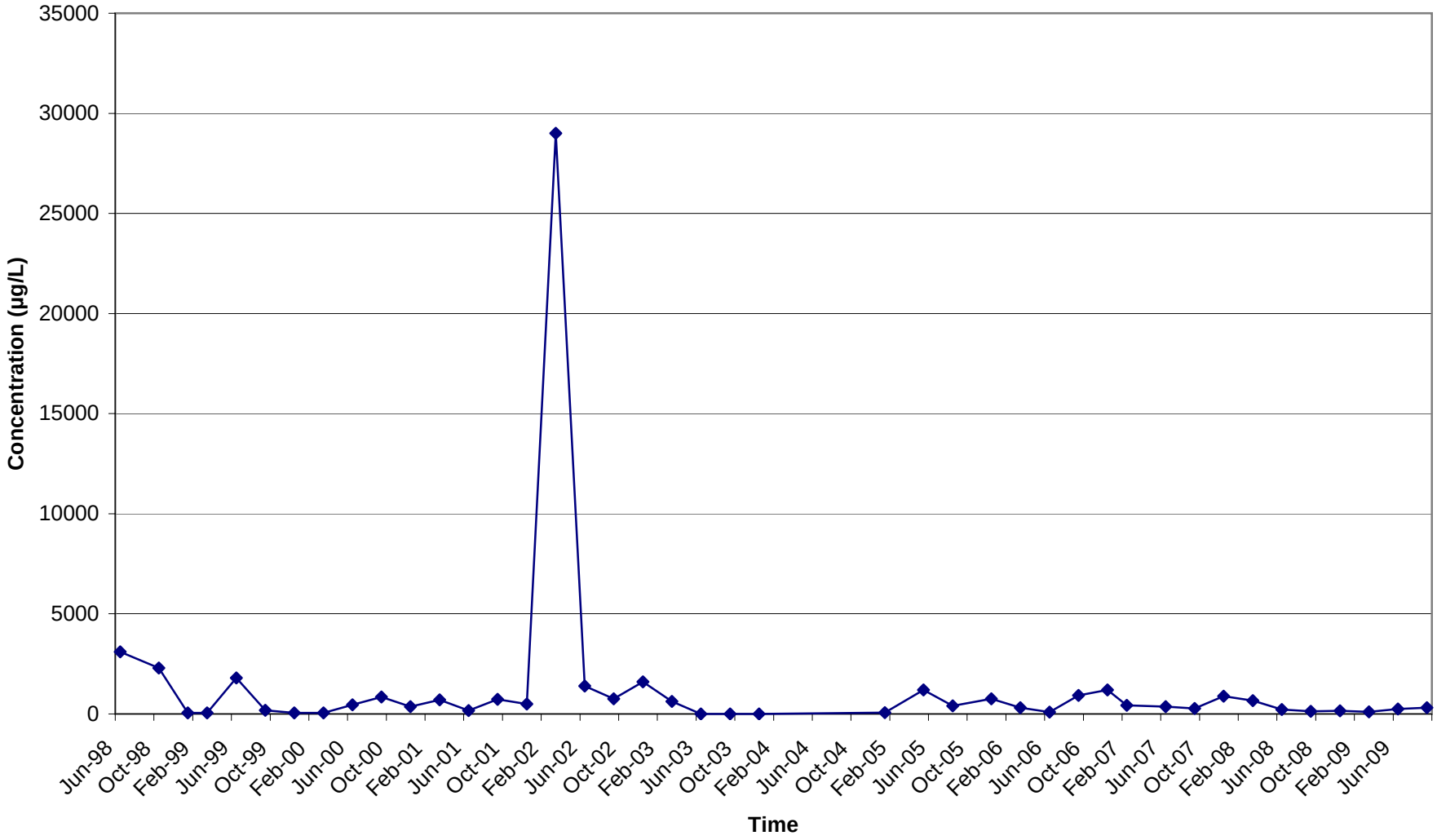
COC 91556

APPENDIX F

TIME-CONCENTRATION PLOTS

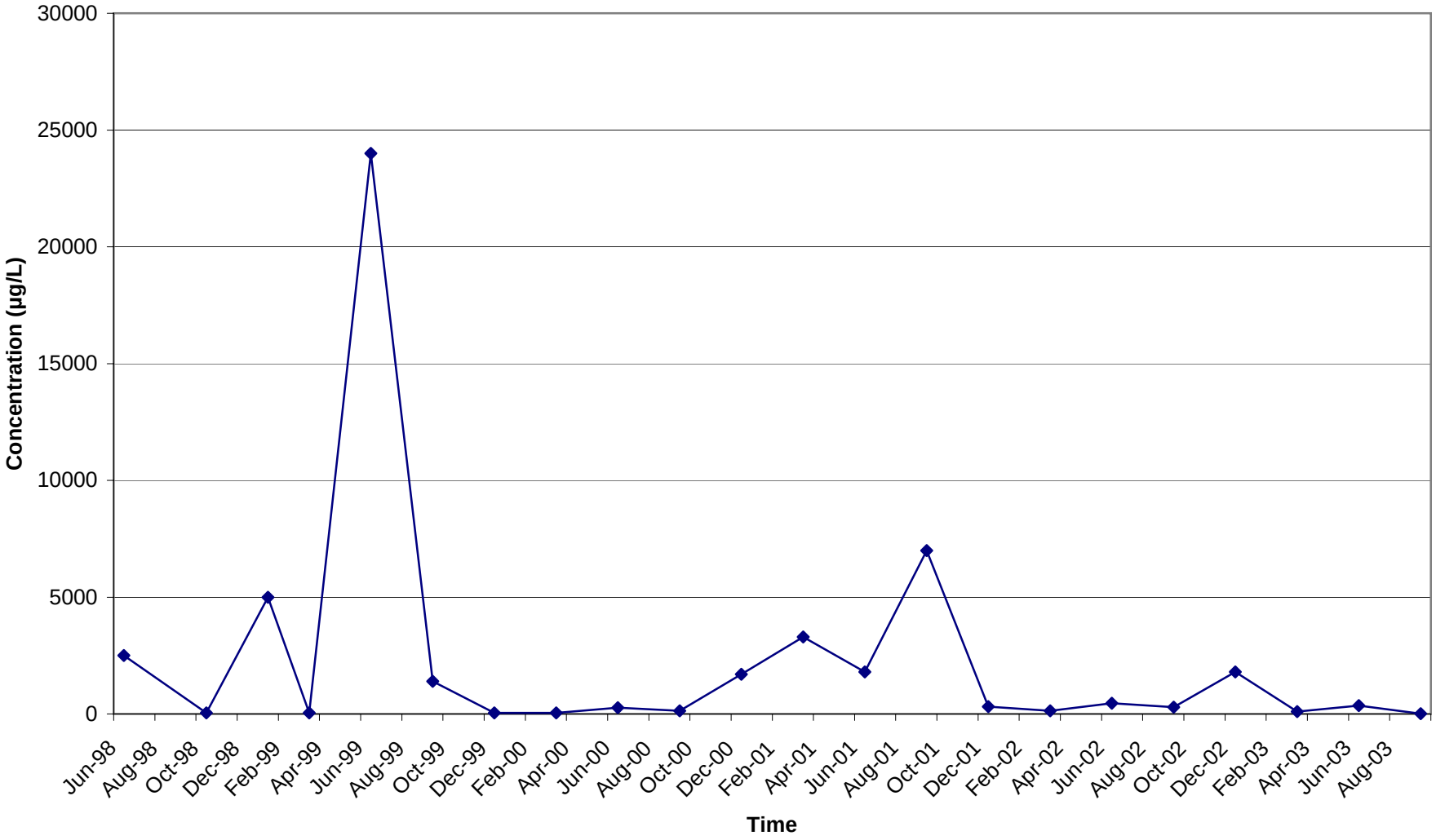
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-1)

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



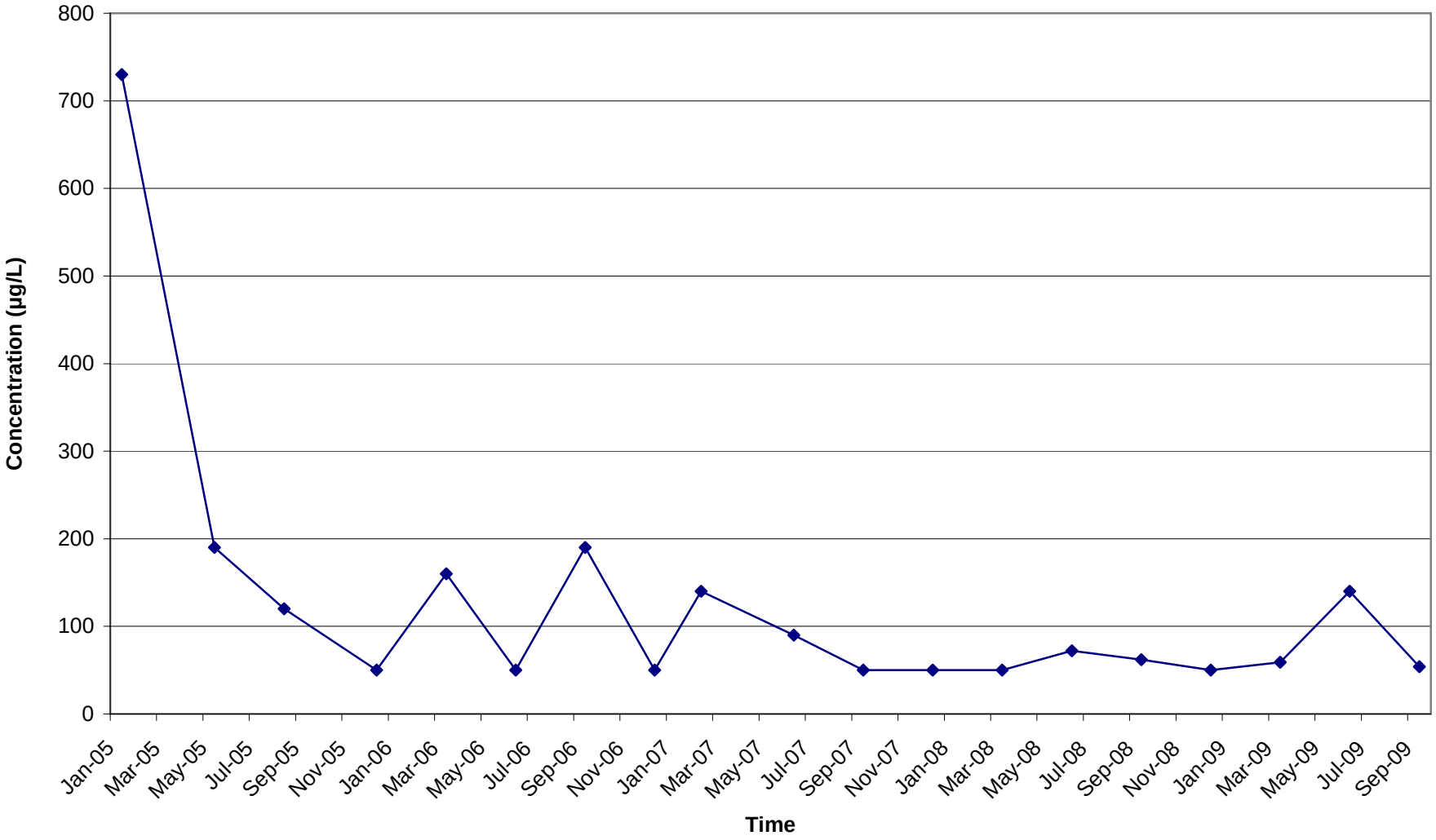
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-2)

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



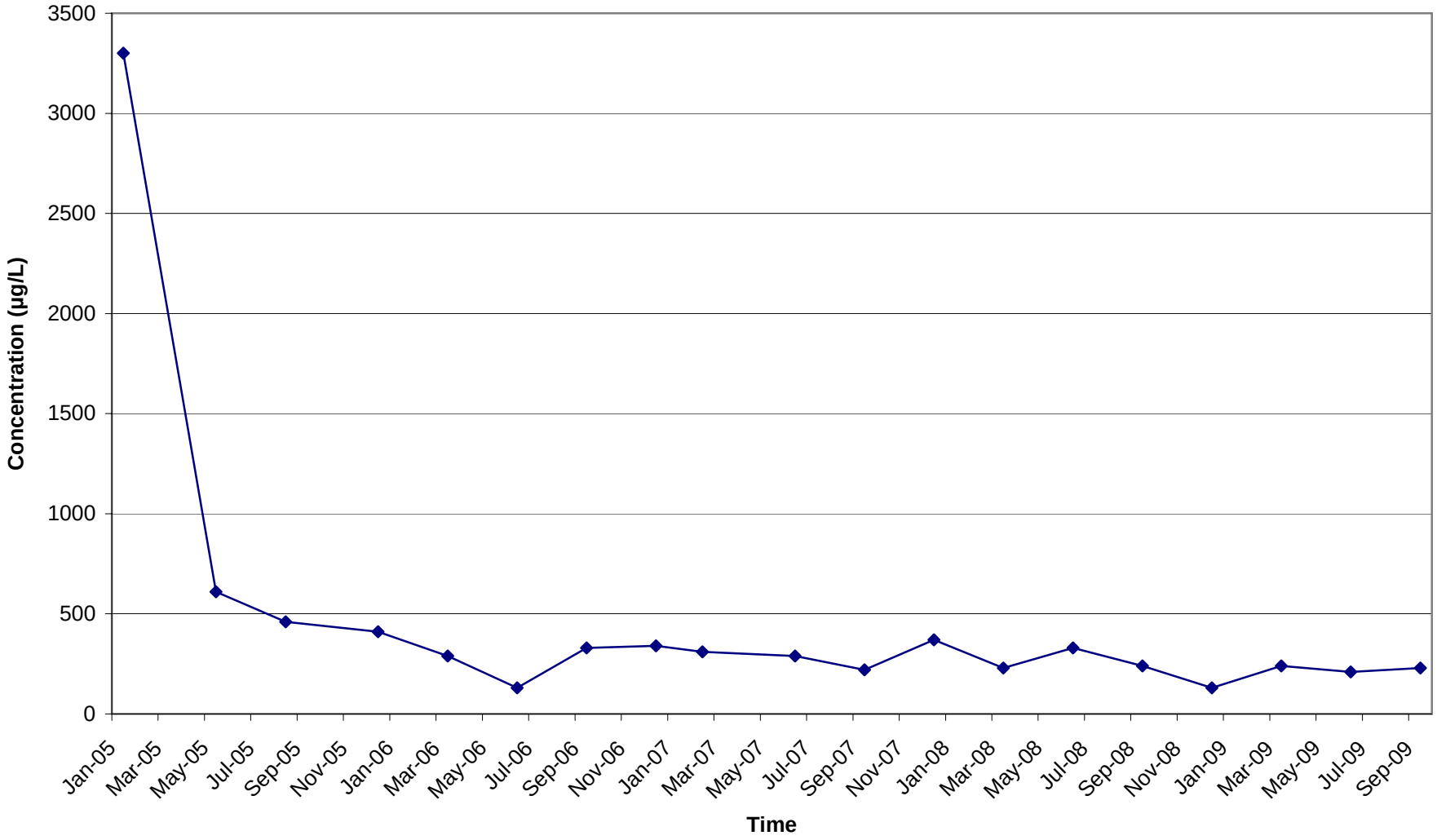
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-2S)

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



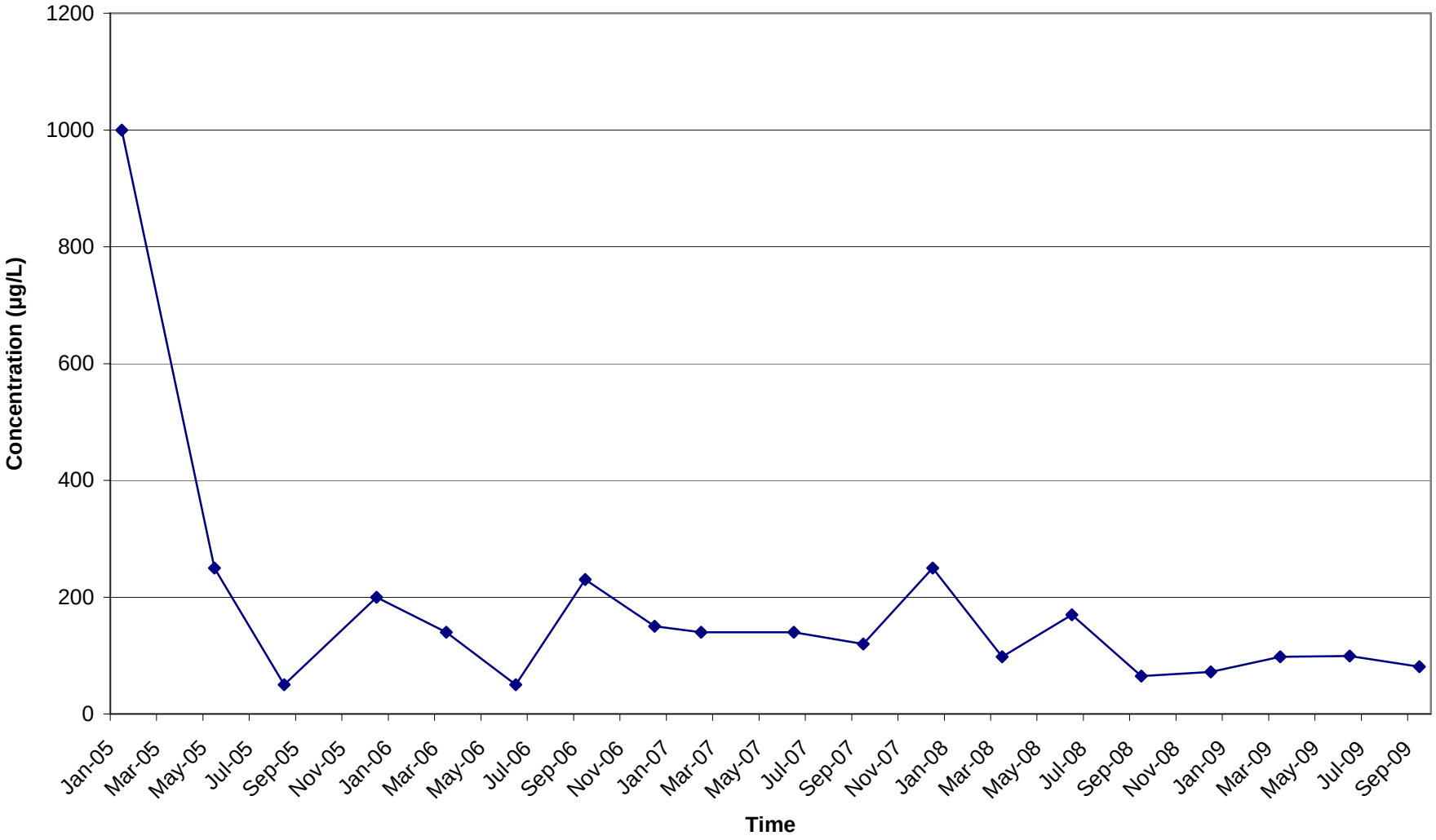
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-2M)

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



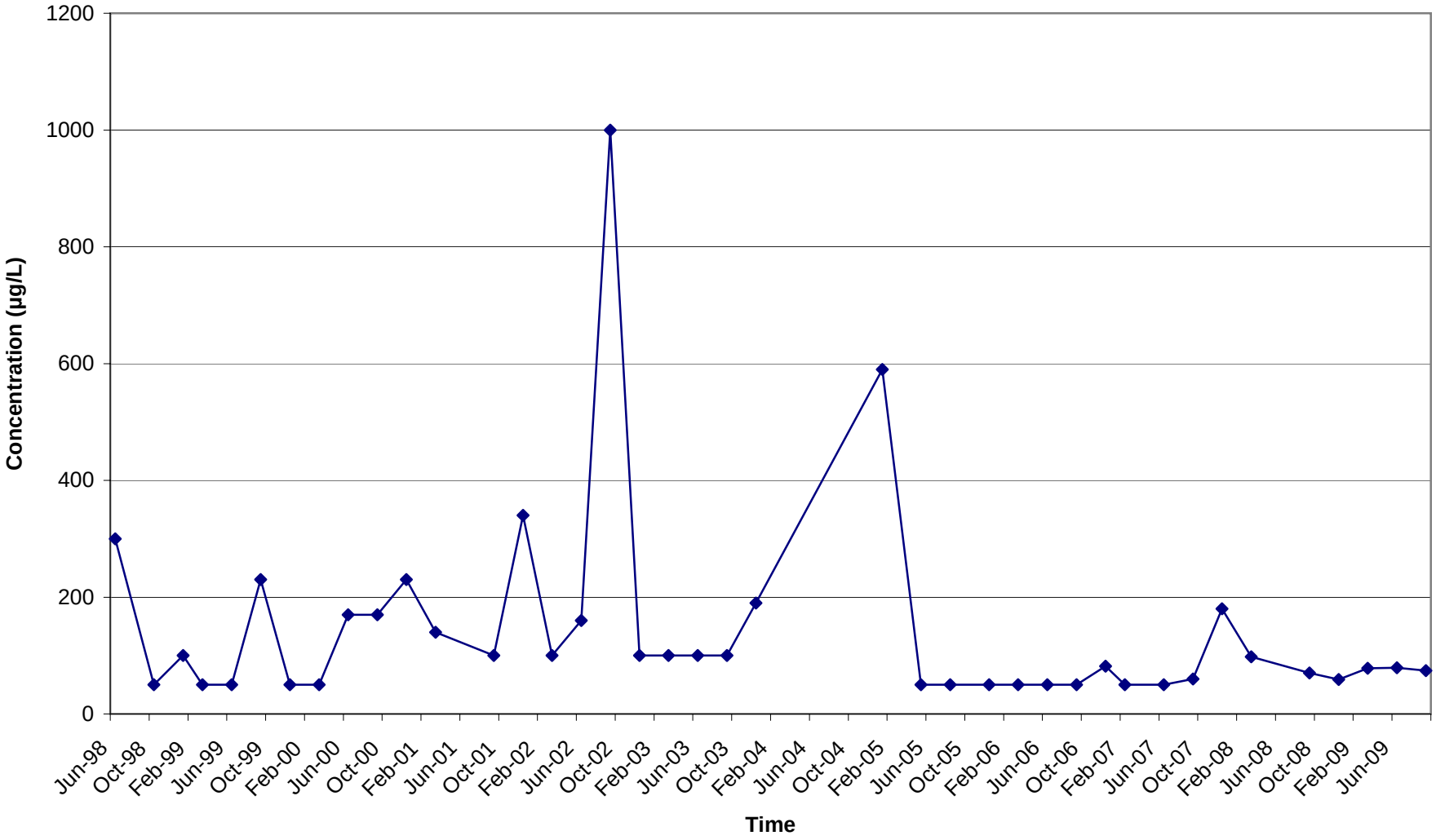
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-2D)

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



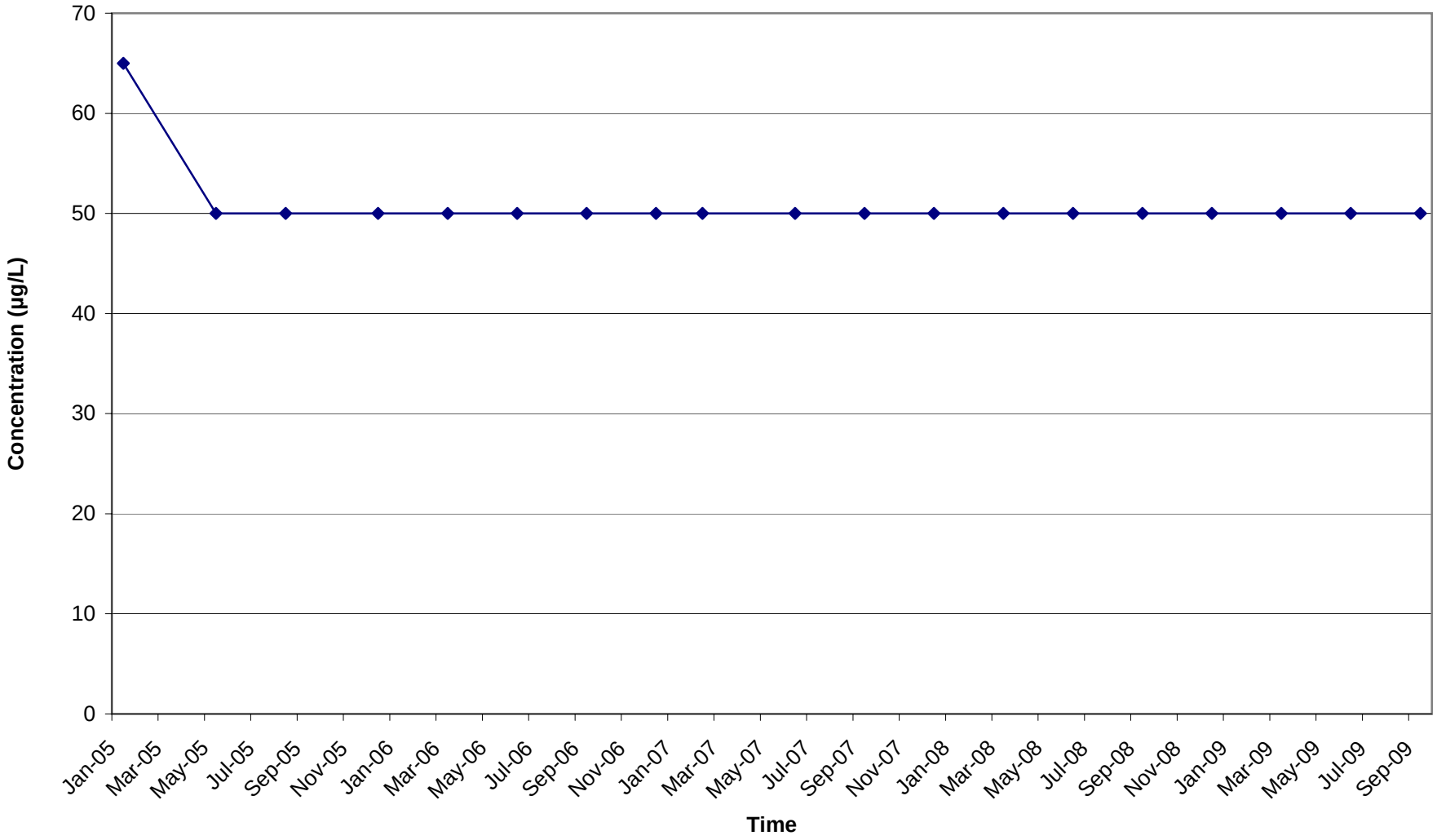
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-3)

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



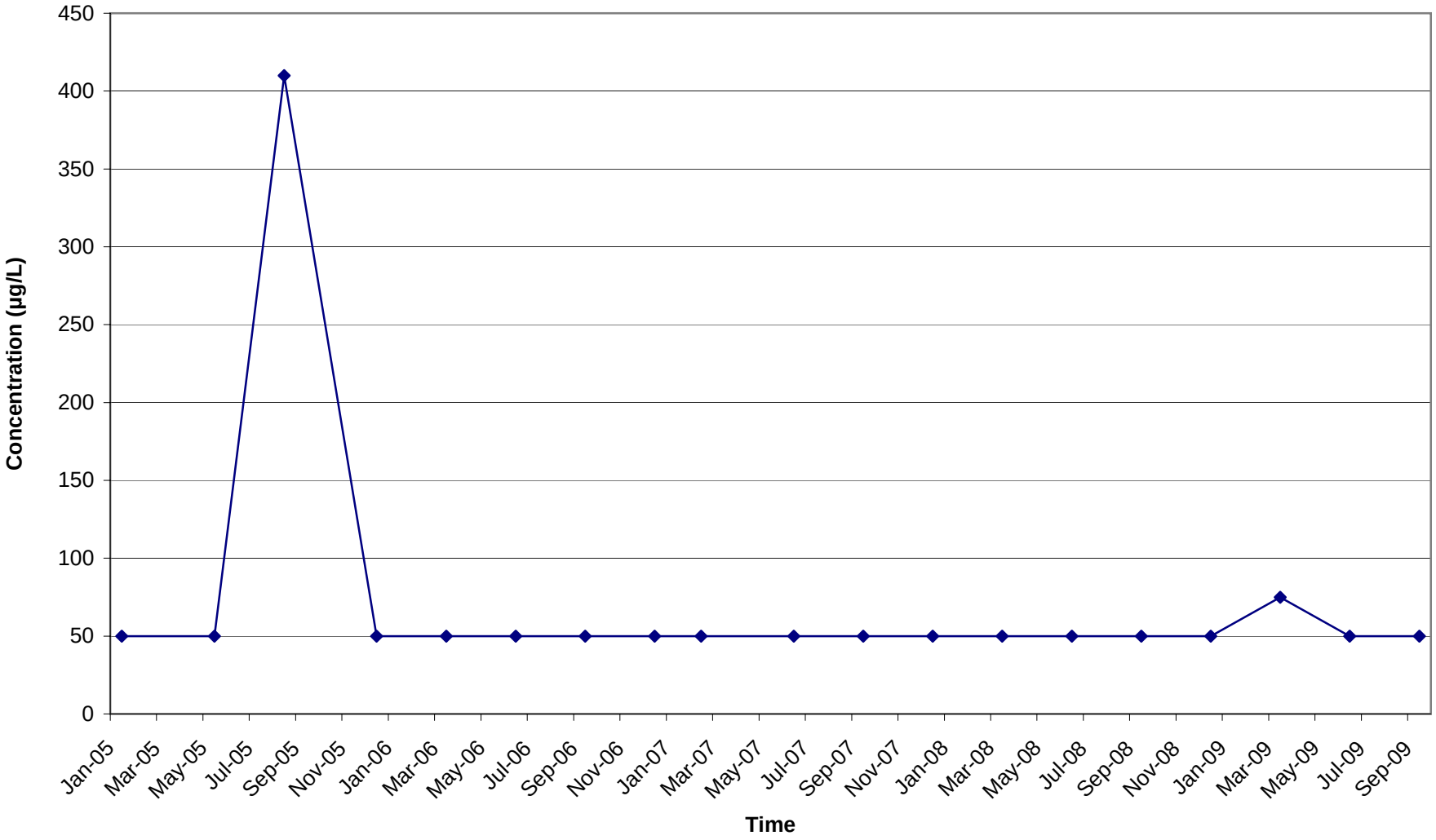
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-4S)

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



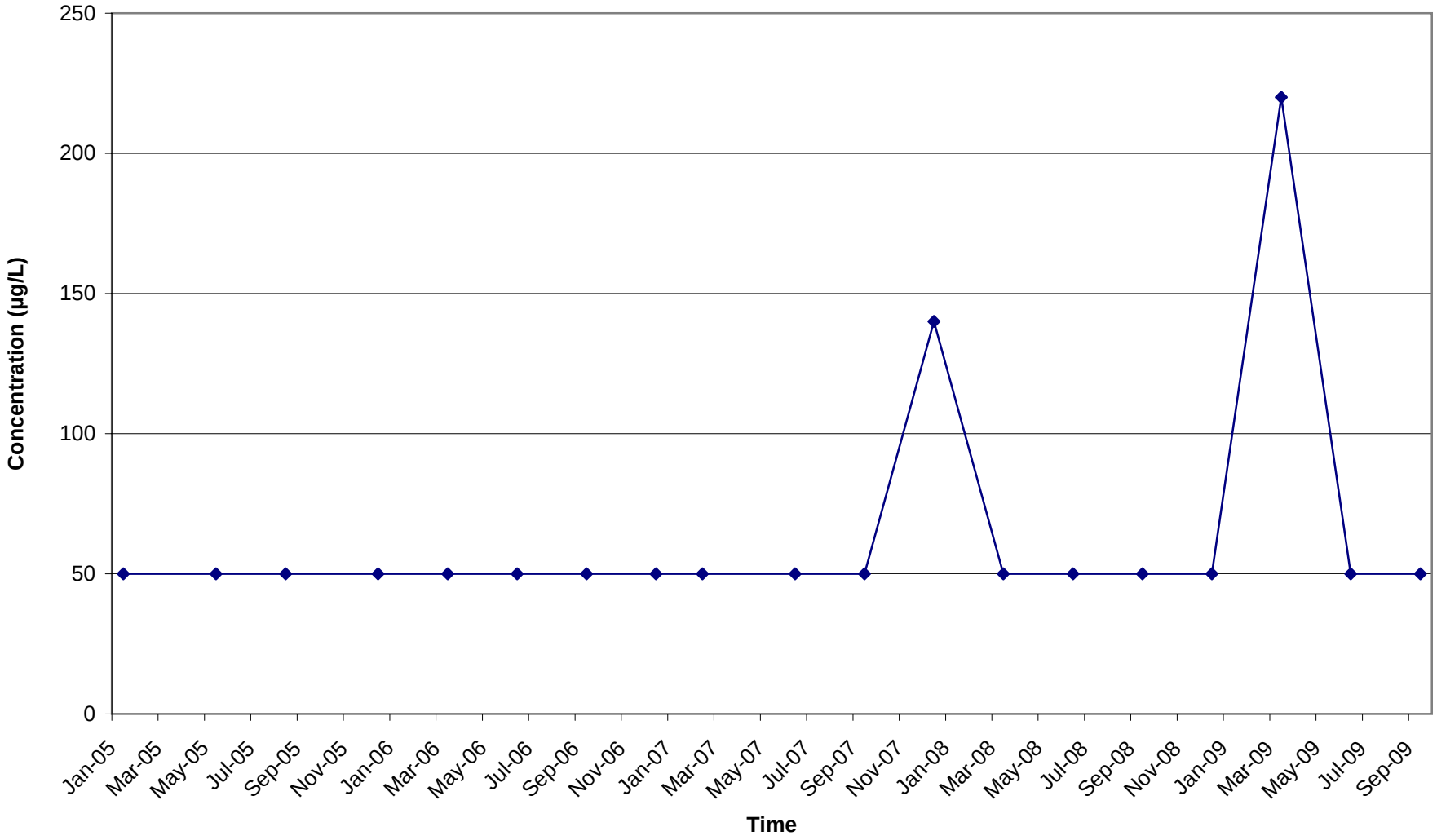
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-4D)

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



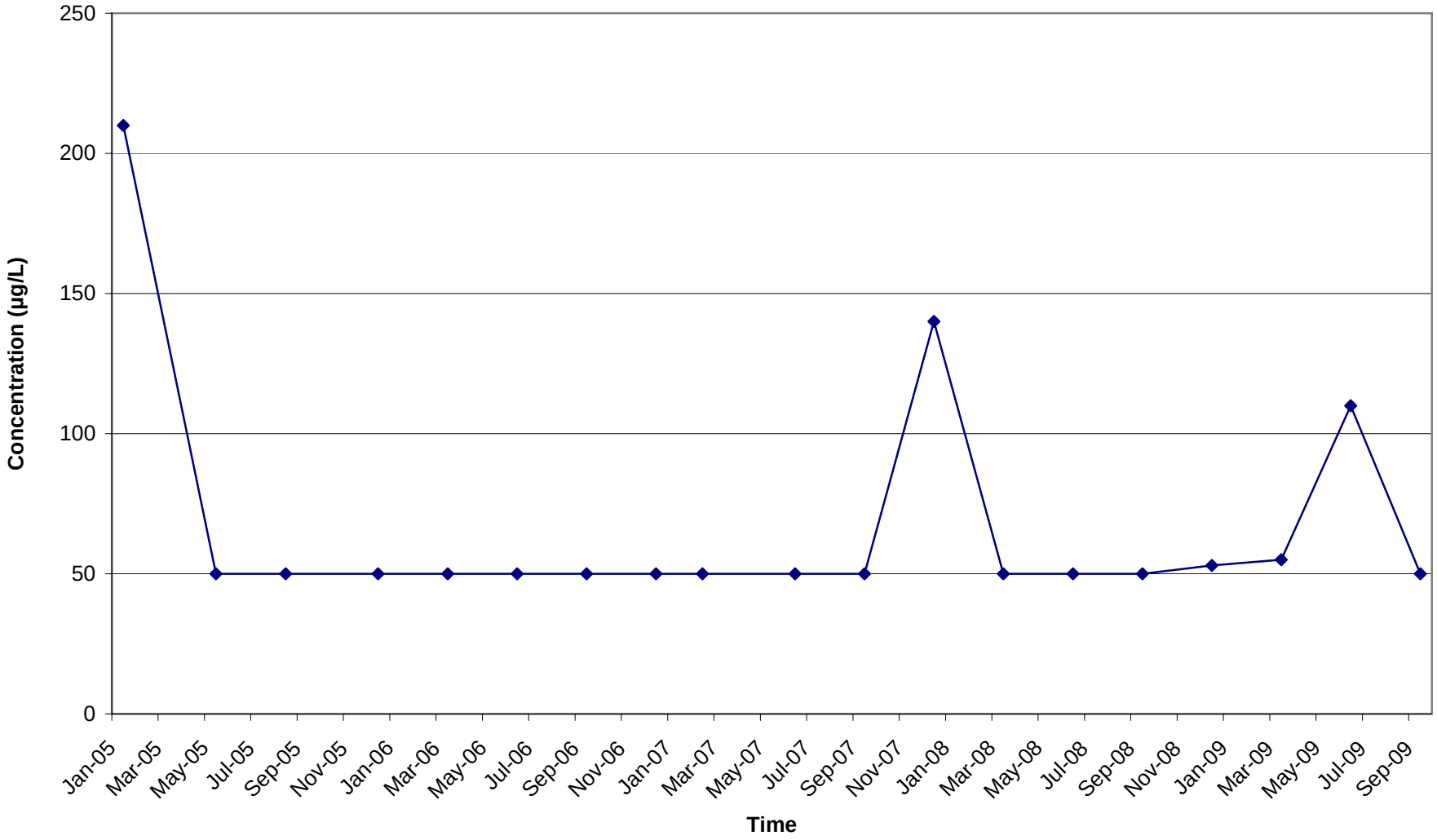
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-5S)

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



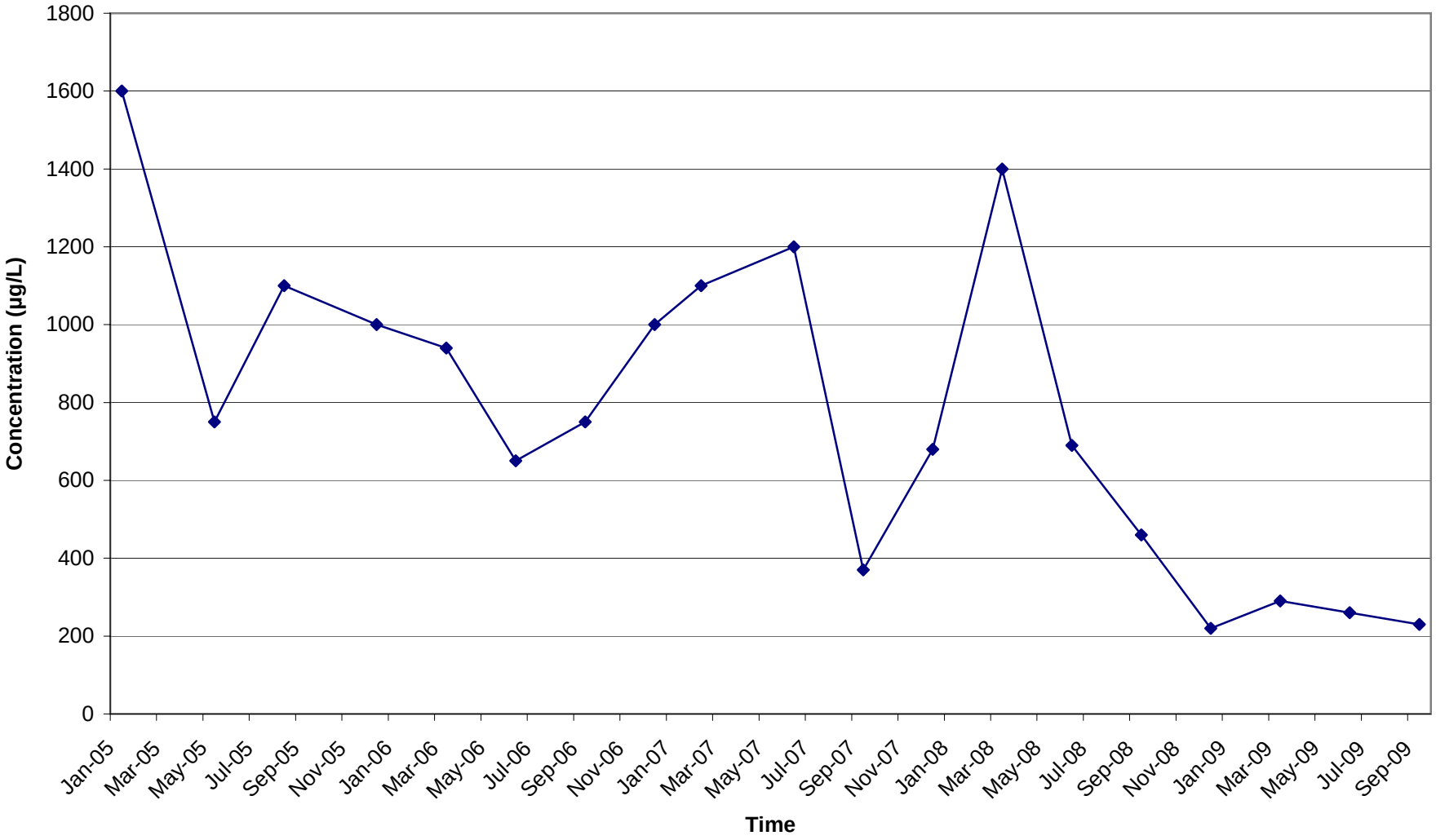
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-5D)

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



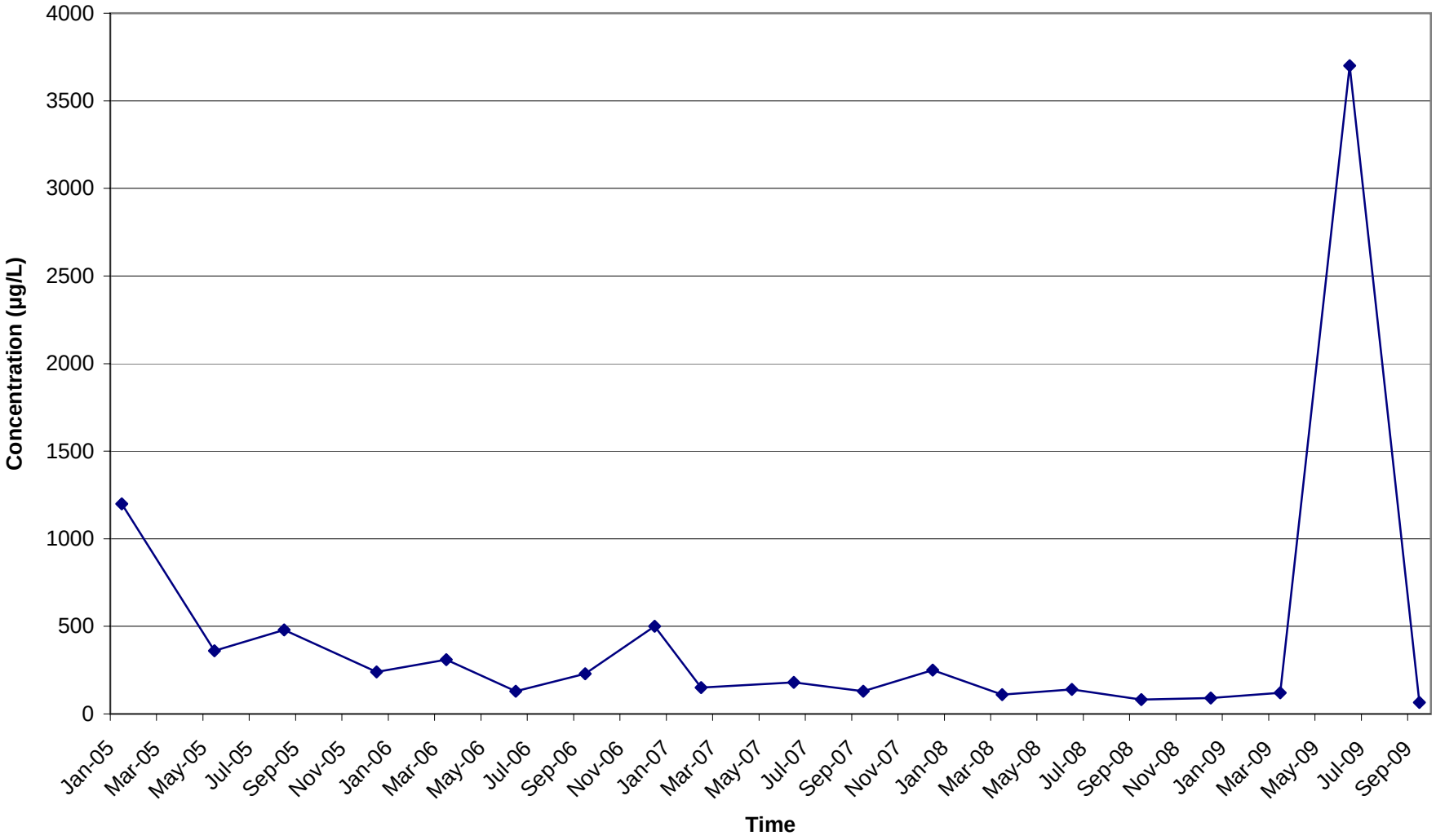
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-6S)

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



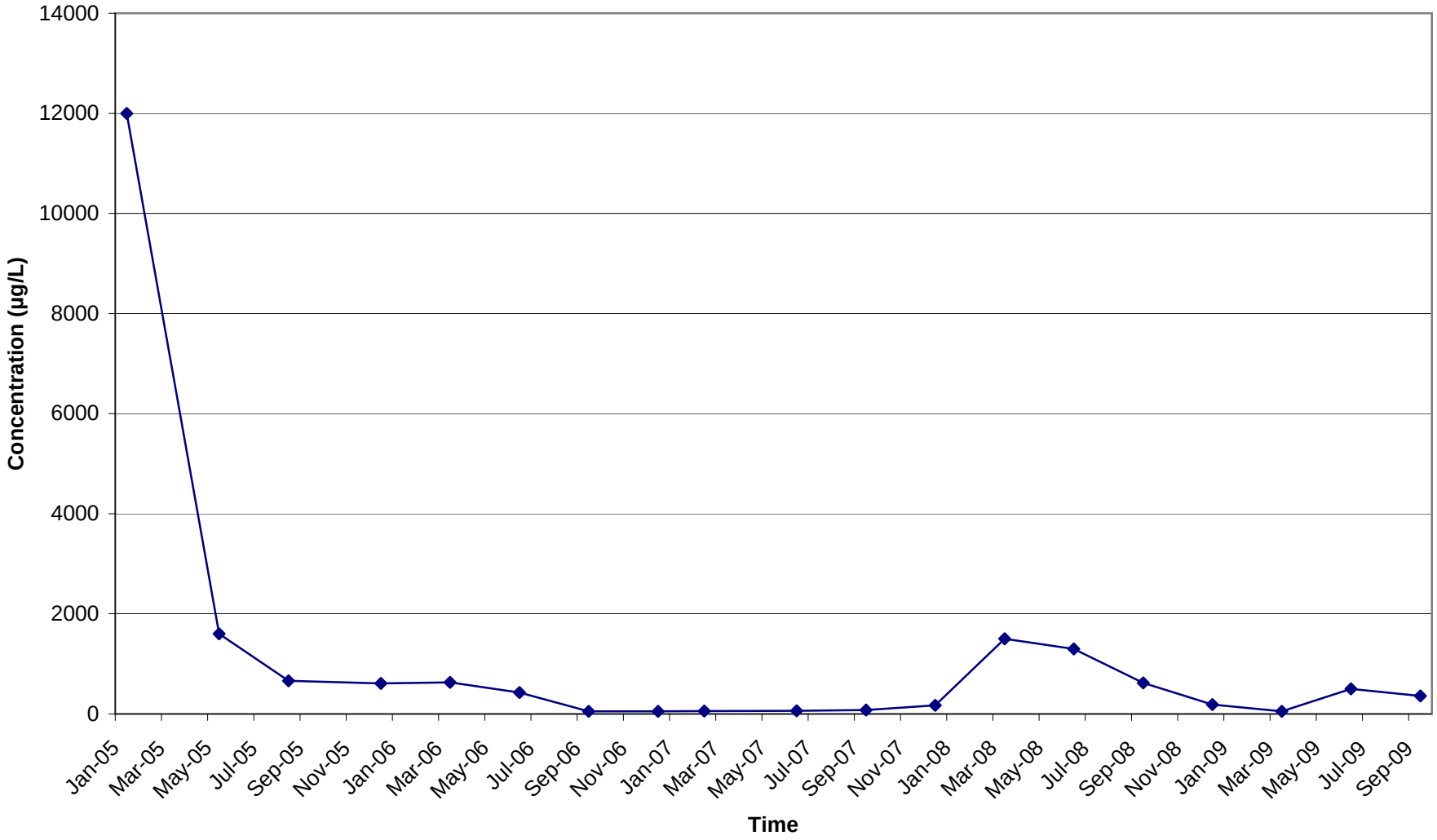
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-6D)

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



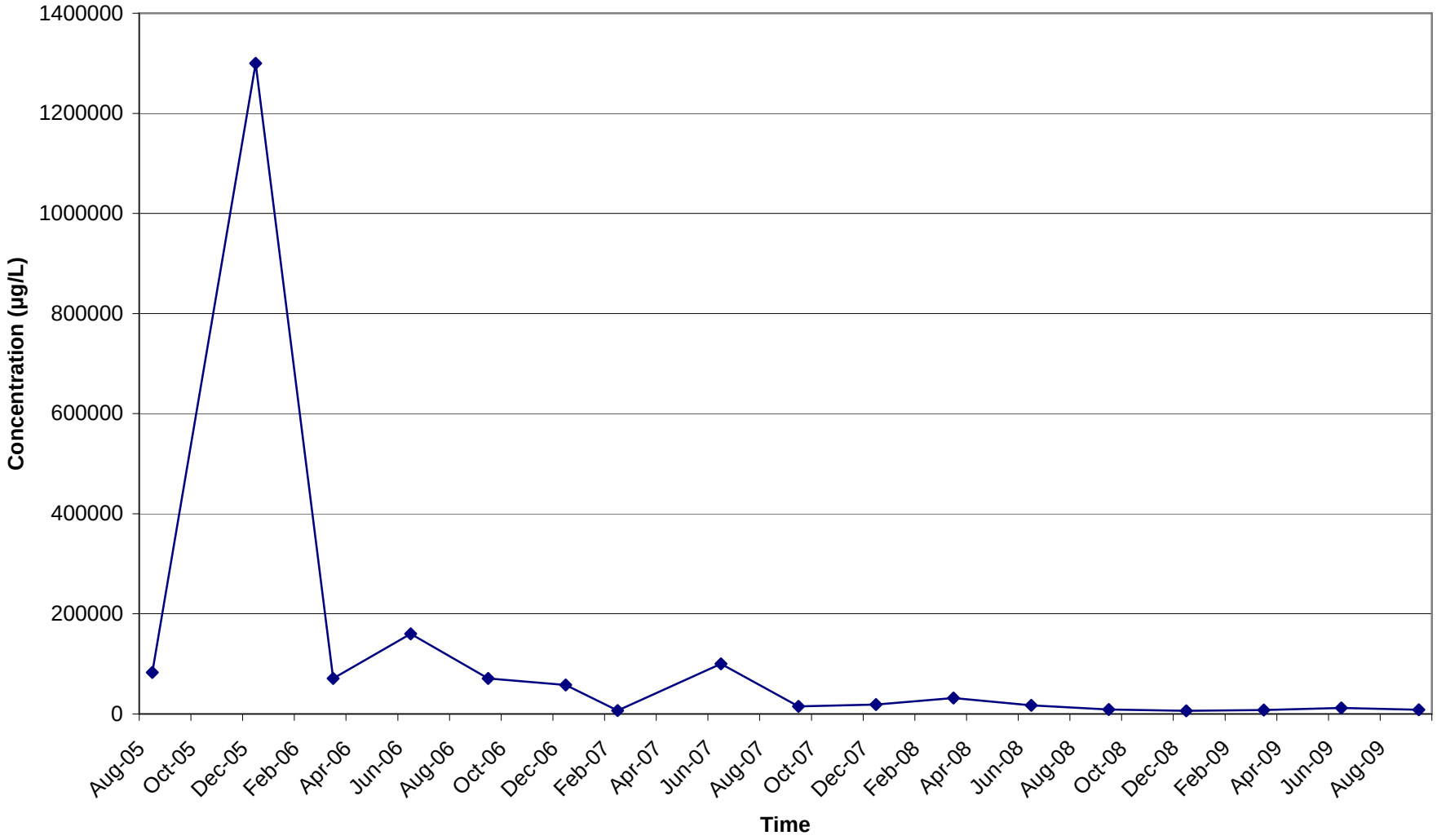
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-7S)

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



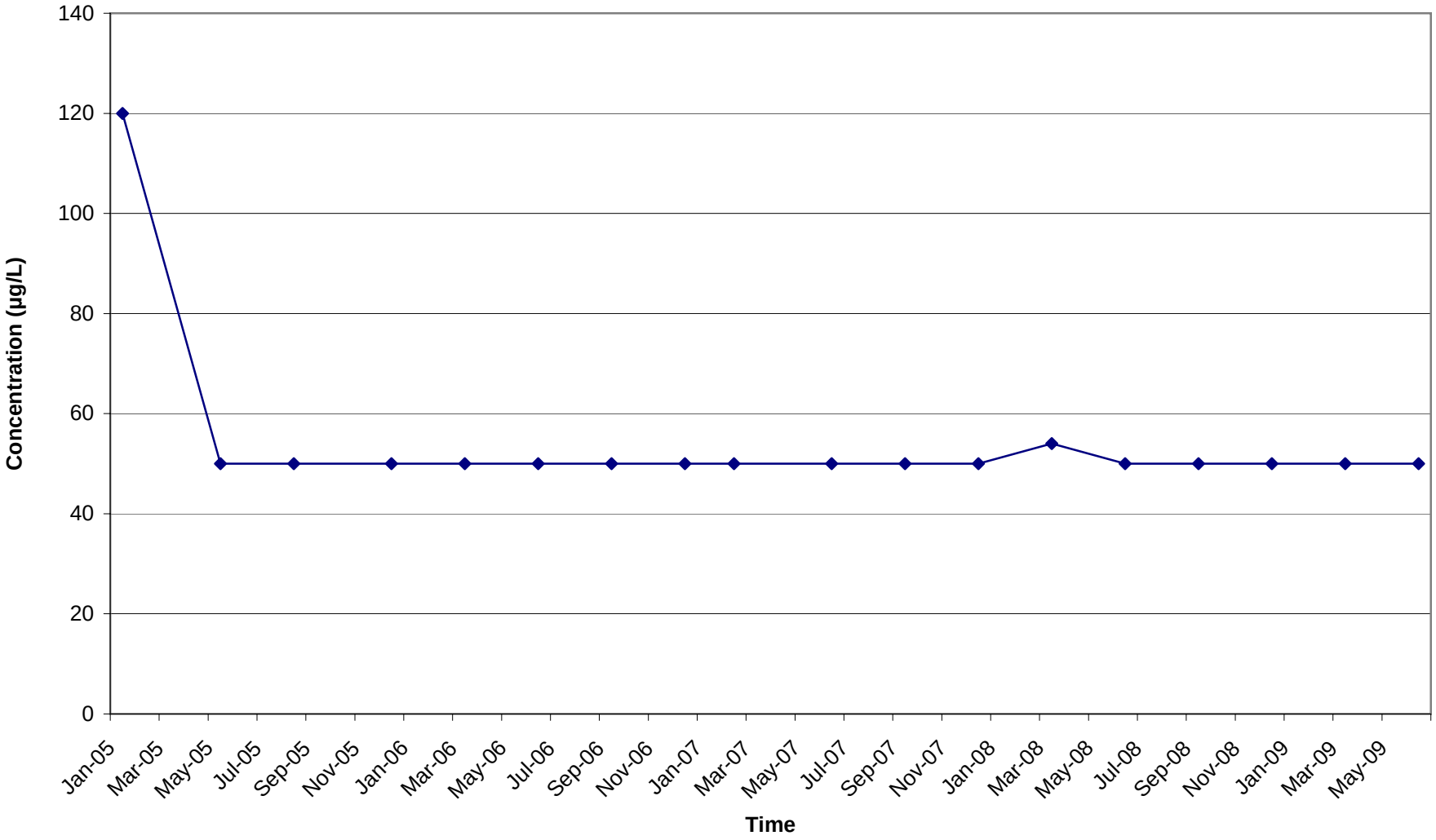
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-7D)

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



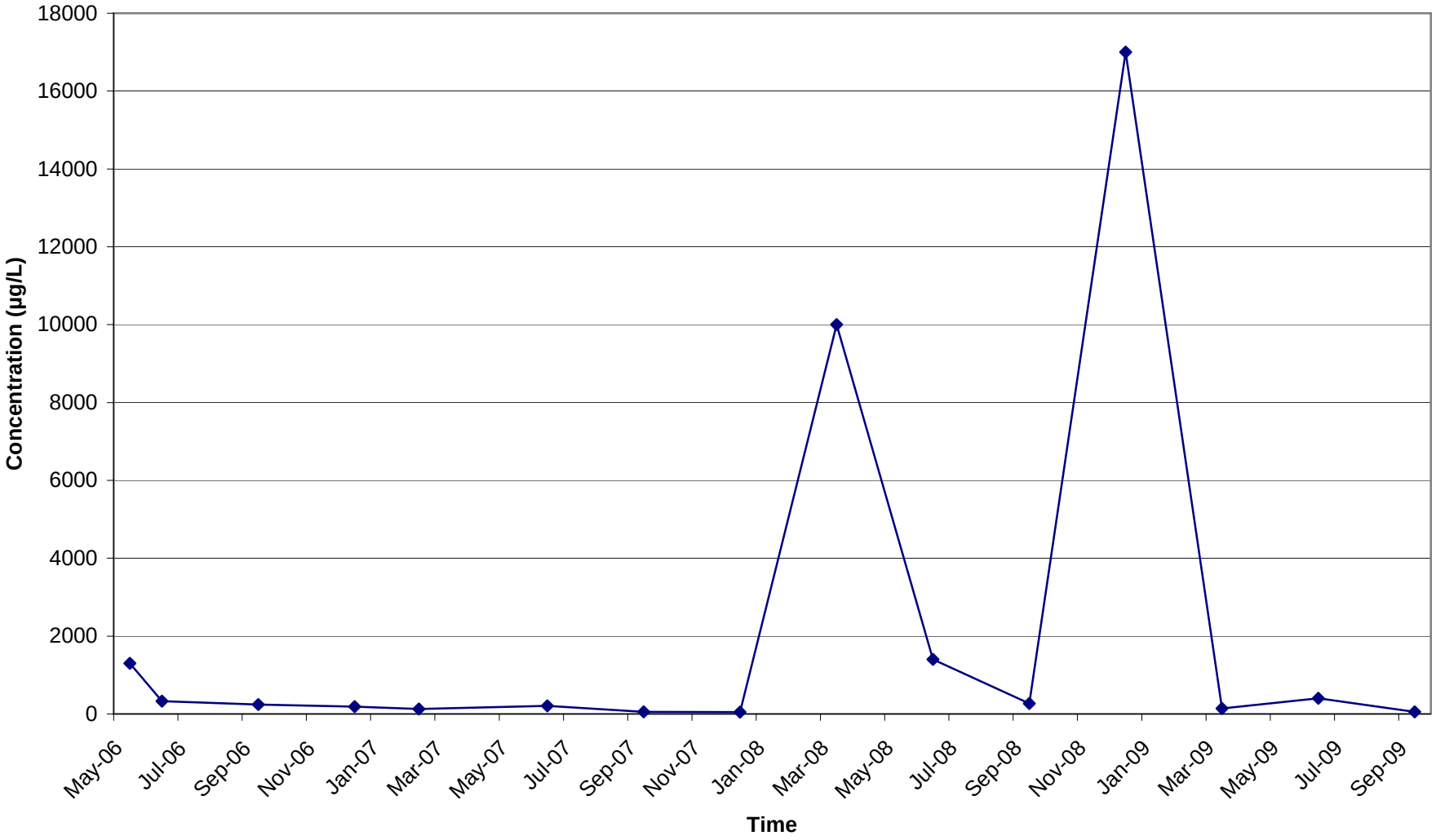
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-8)

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



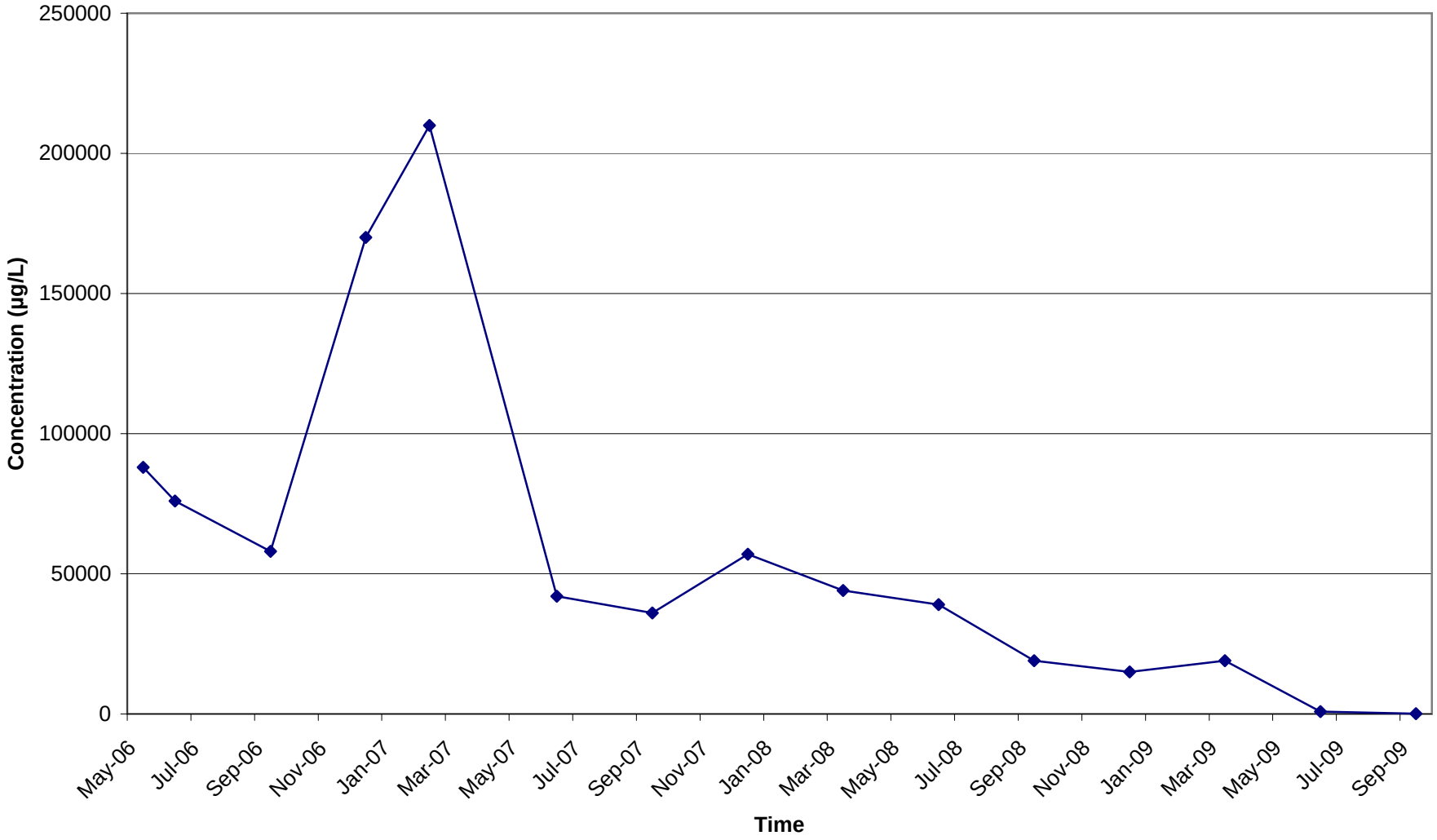
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-9S)

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



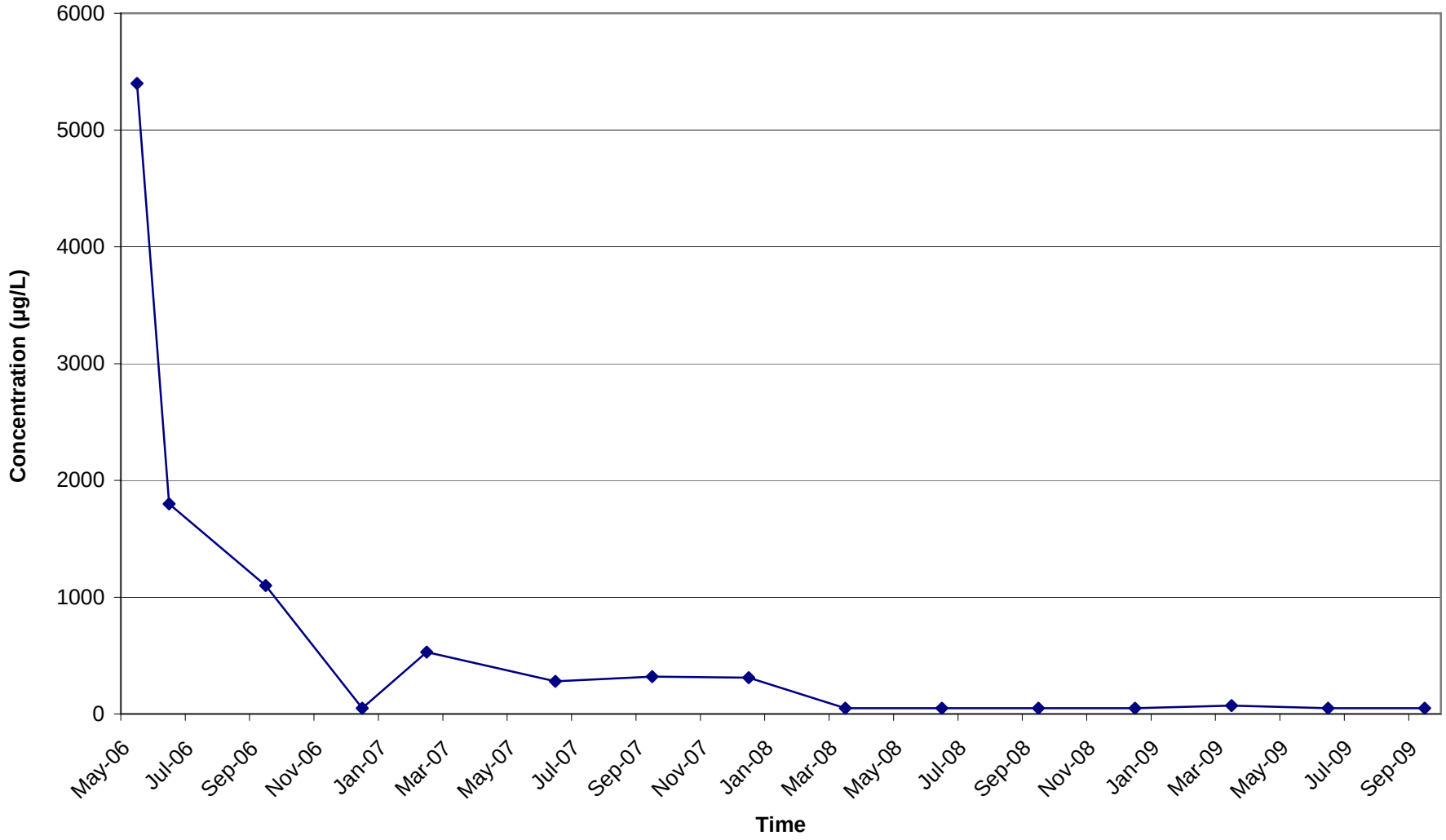
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-9D)

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



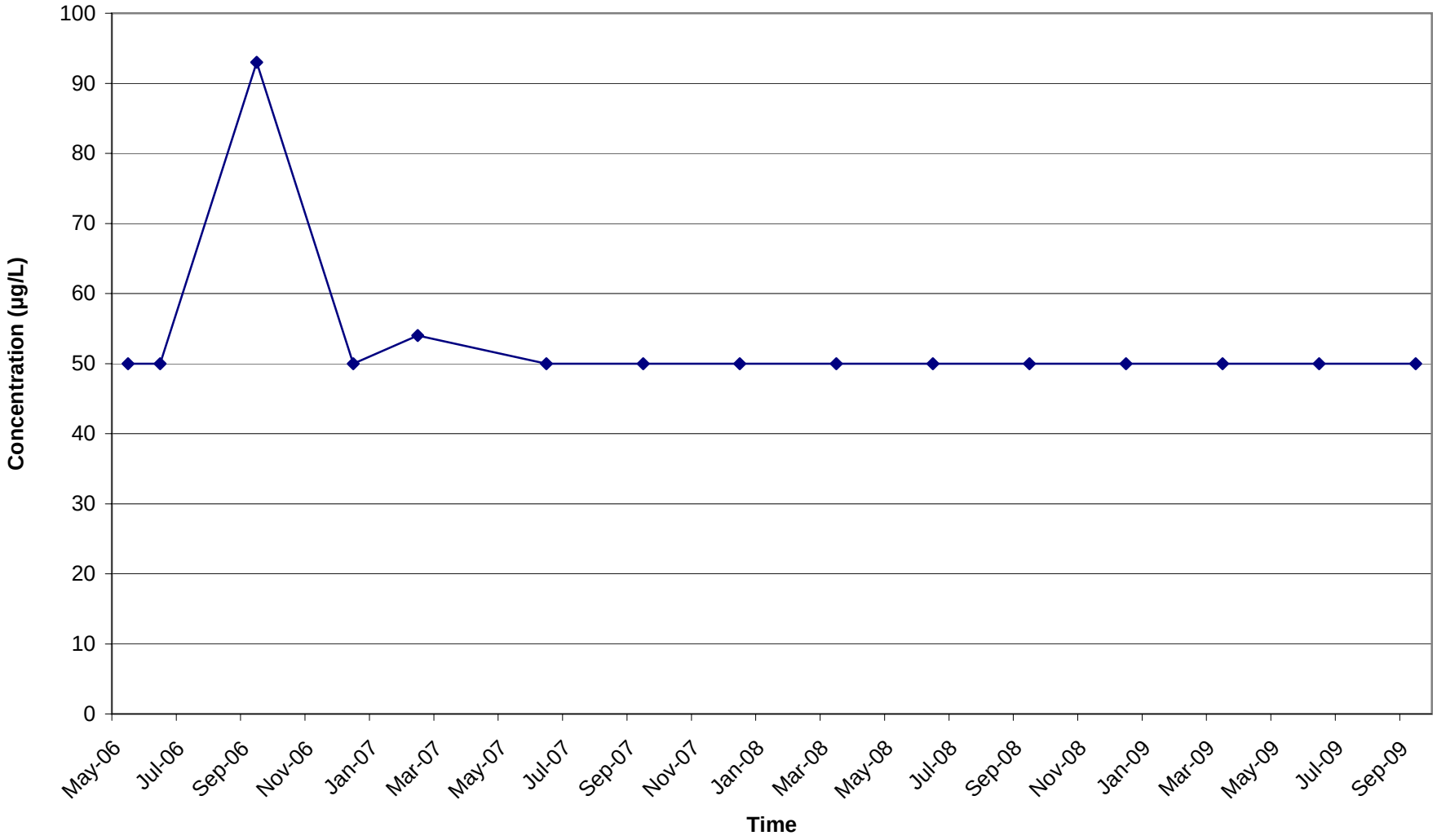
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-9LF)

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



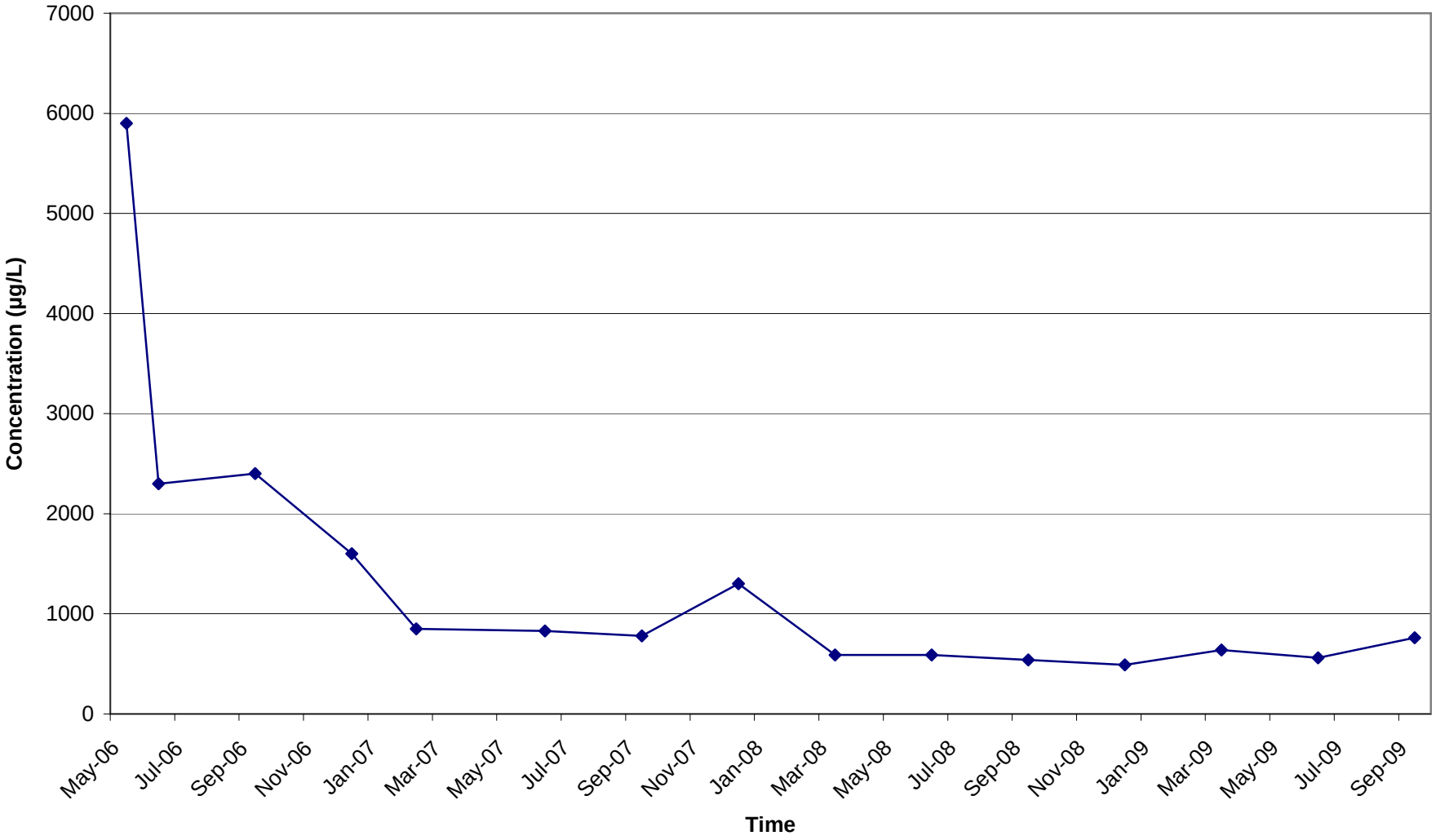
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-10S)

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



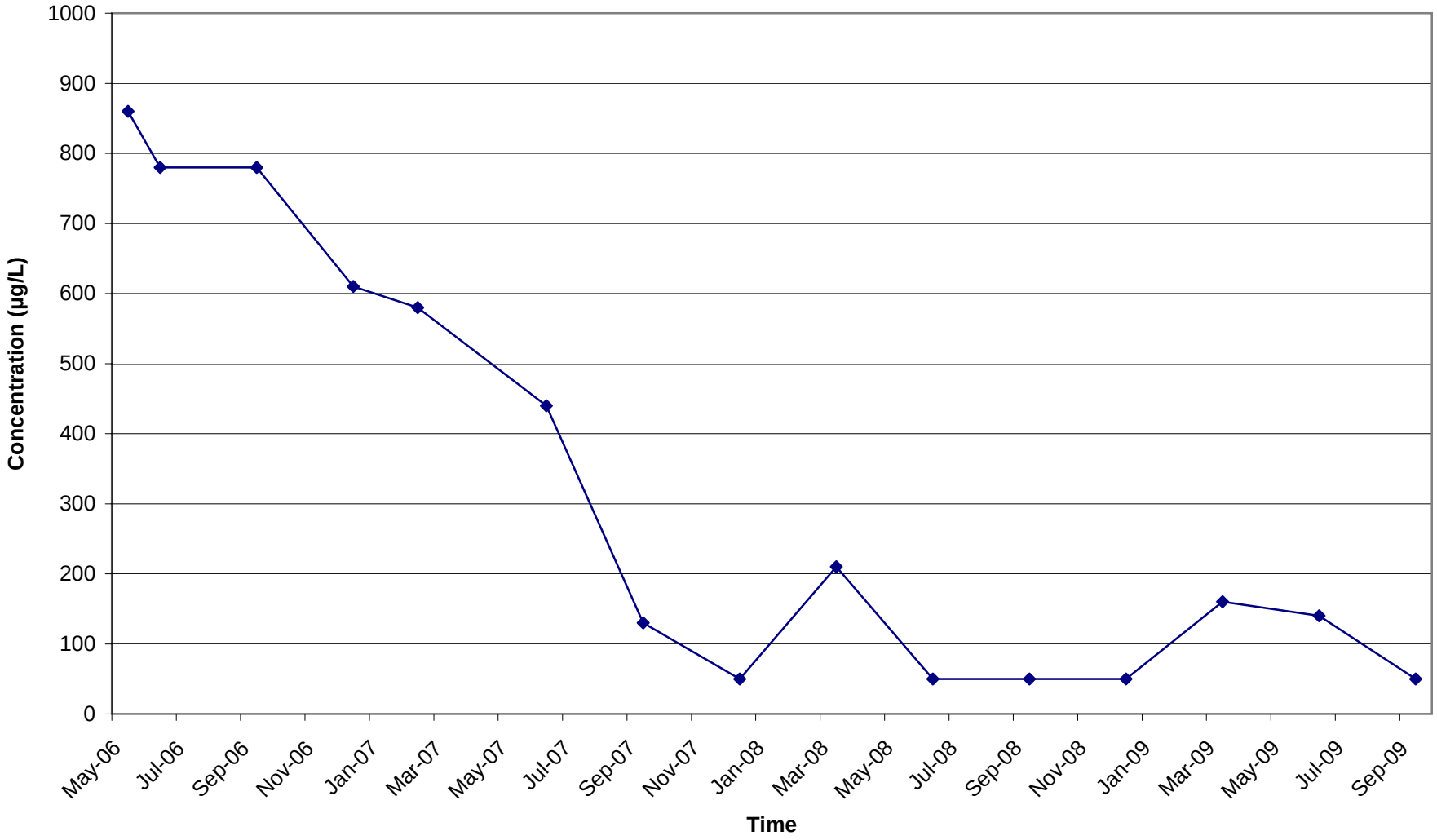
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-10D)

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



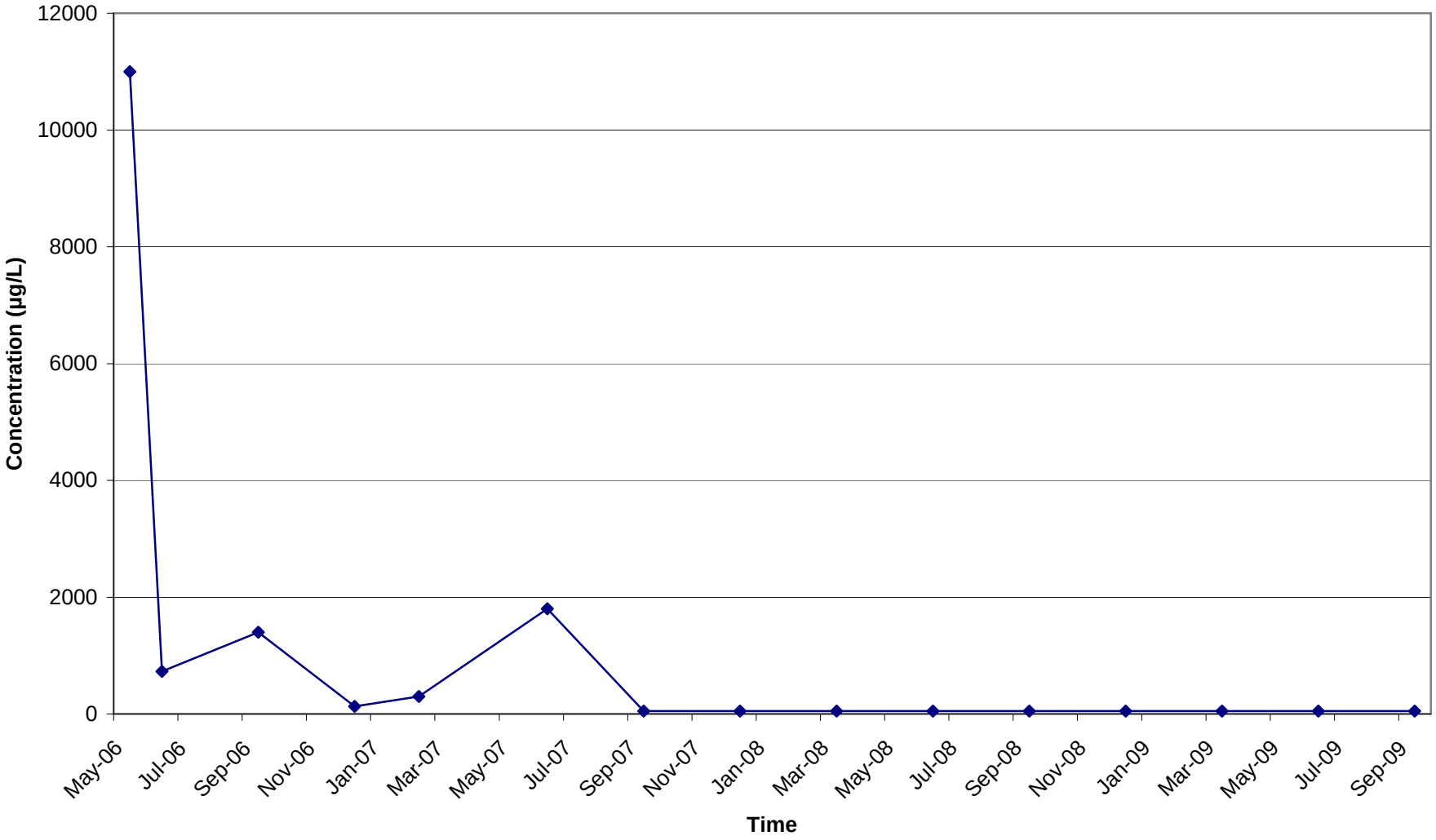
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-10LF)

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



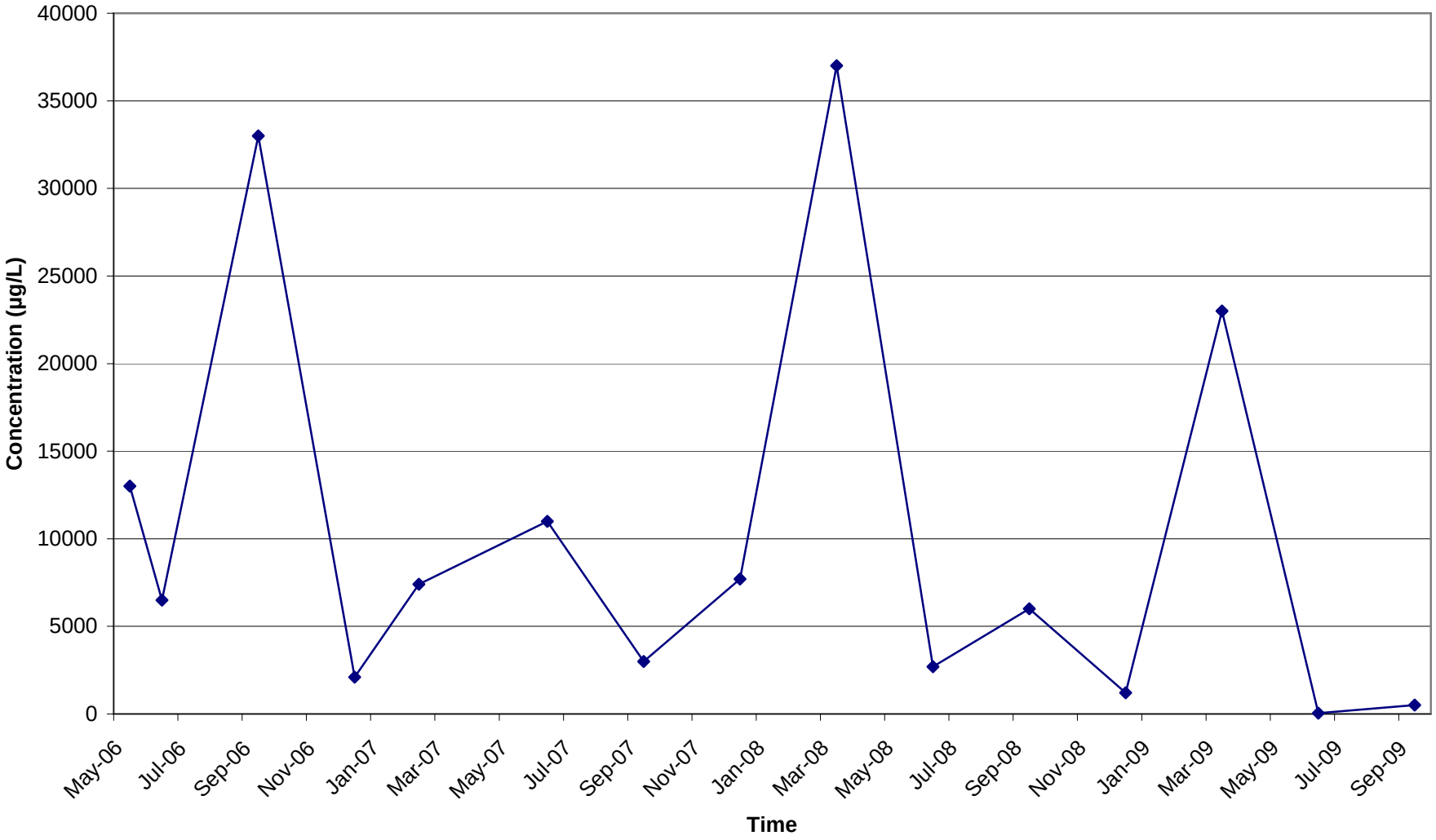
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-11S)

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



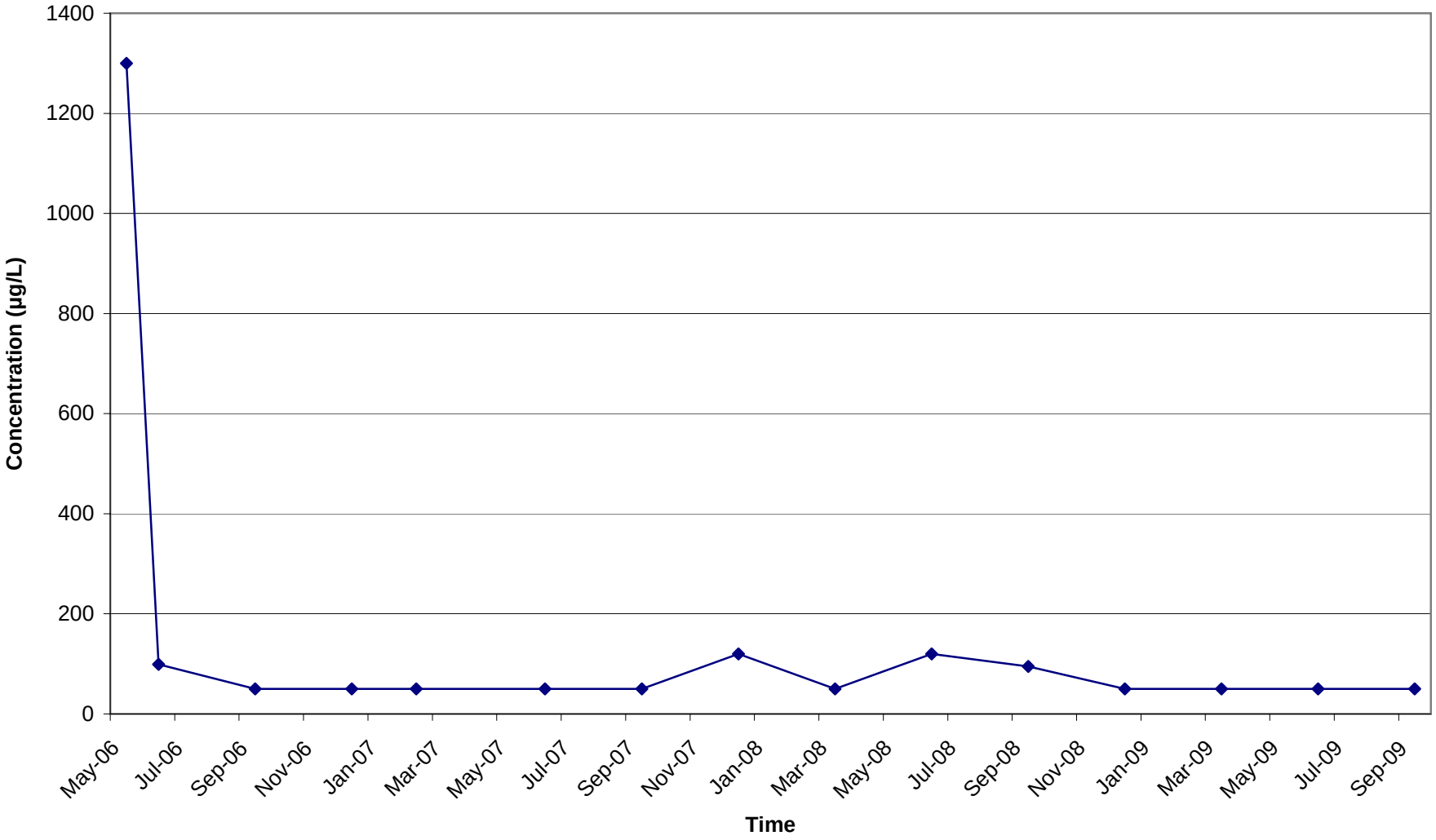
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-11D)

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



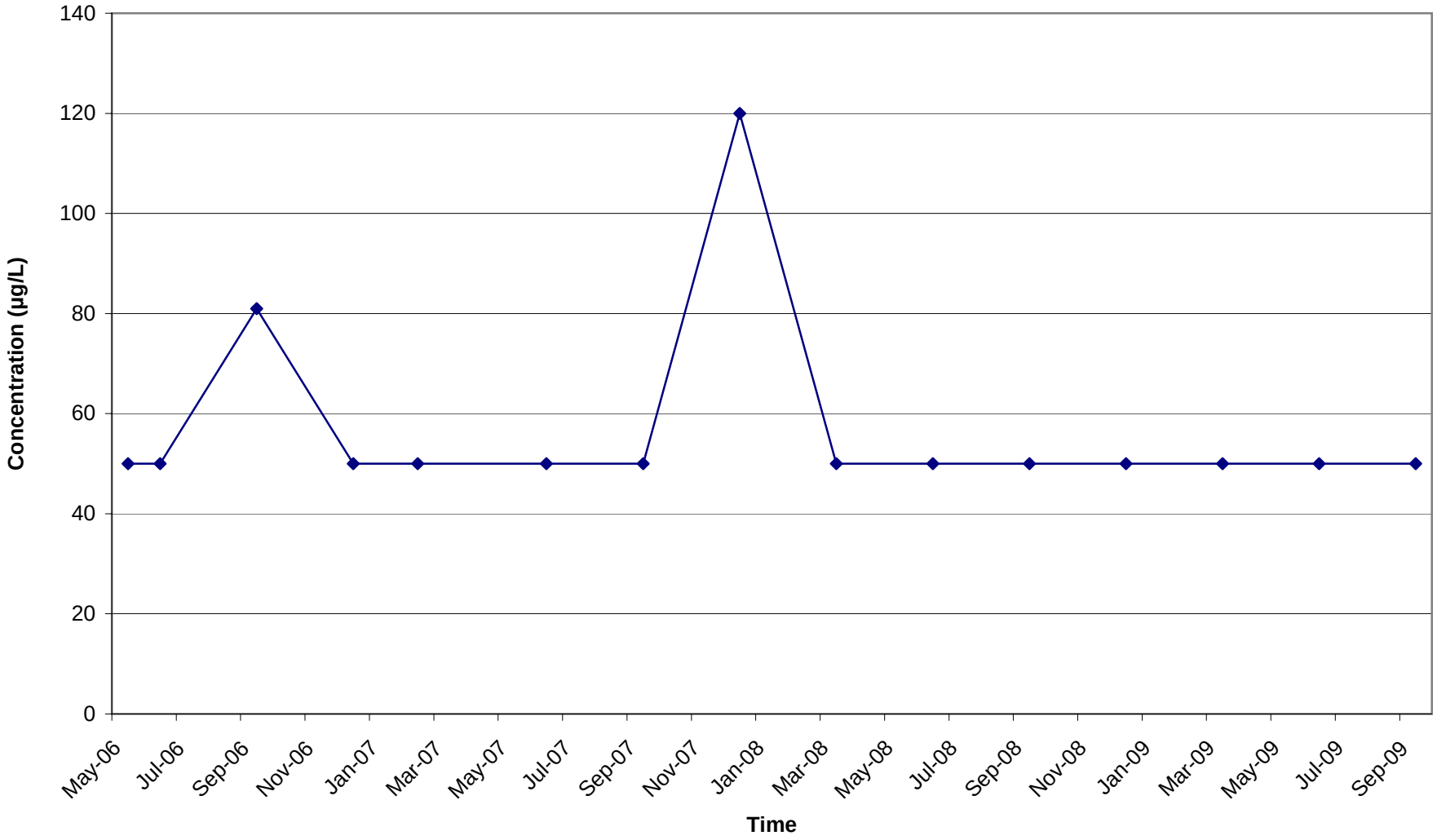
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-11LF)

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



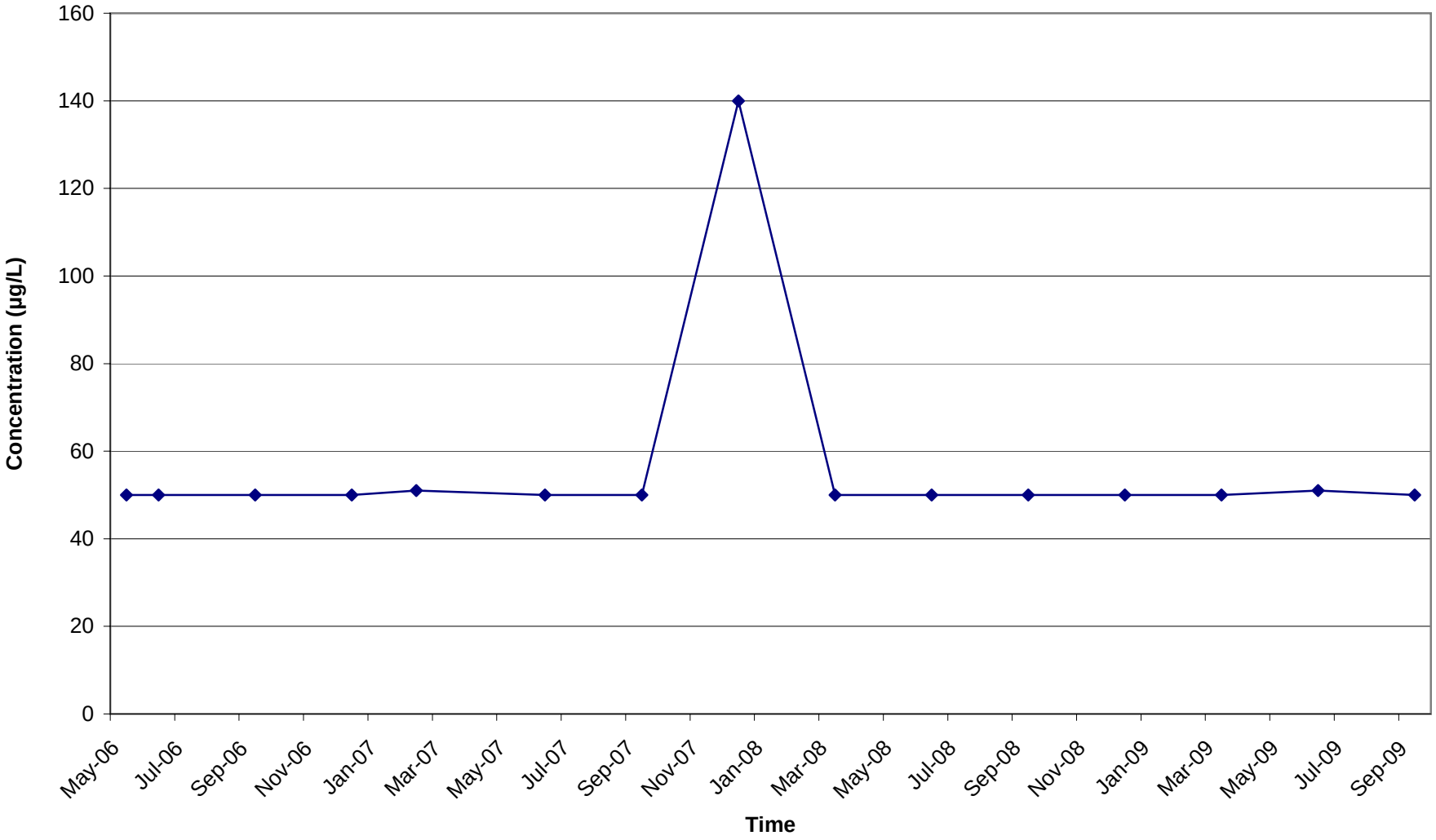
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-12S)

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



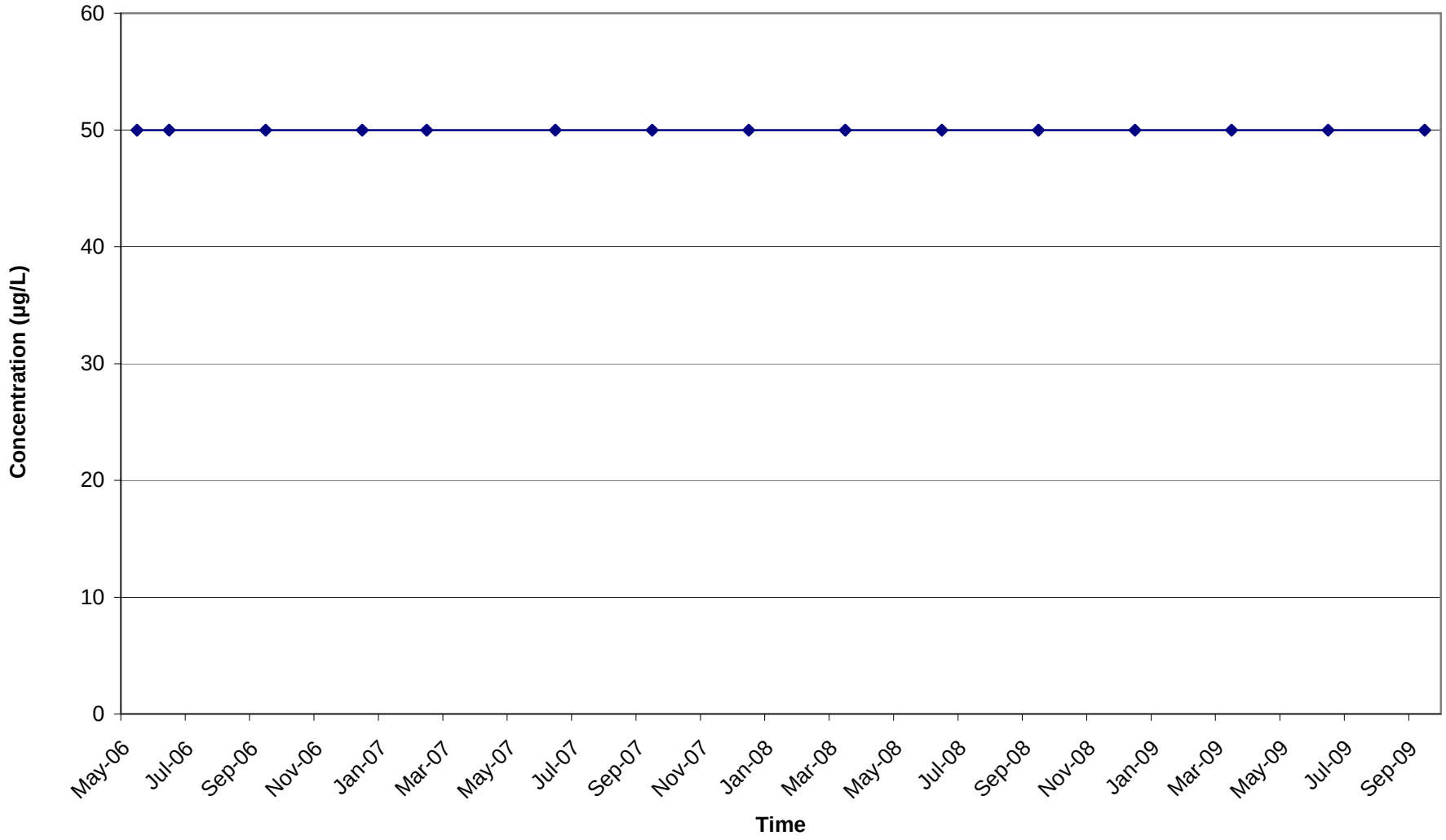
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-12D)

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



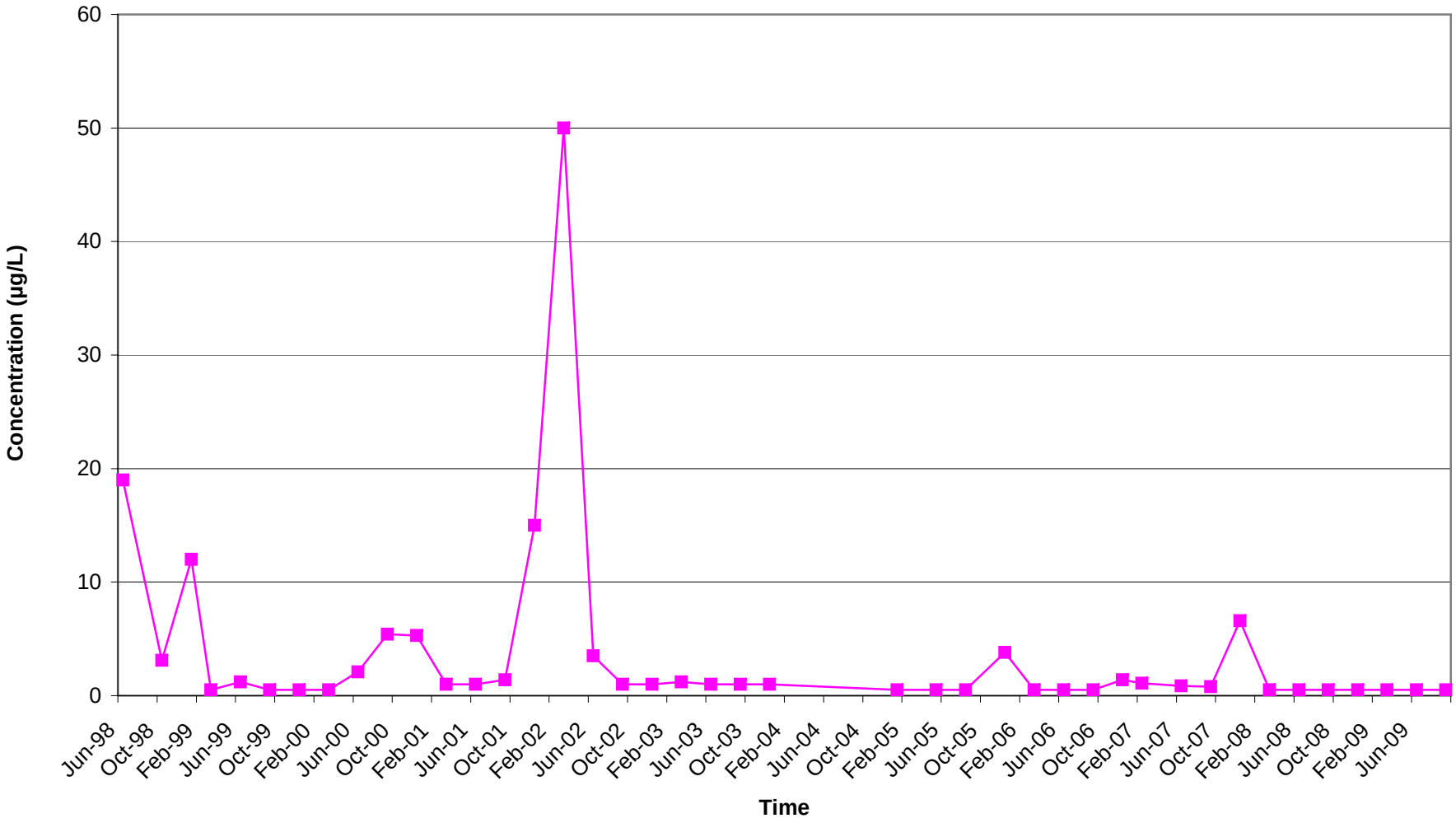
CONCENTRATIONS OF TPH-G IN GROUNDWATER VS. TIME (MW-12LF)

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



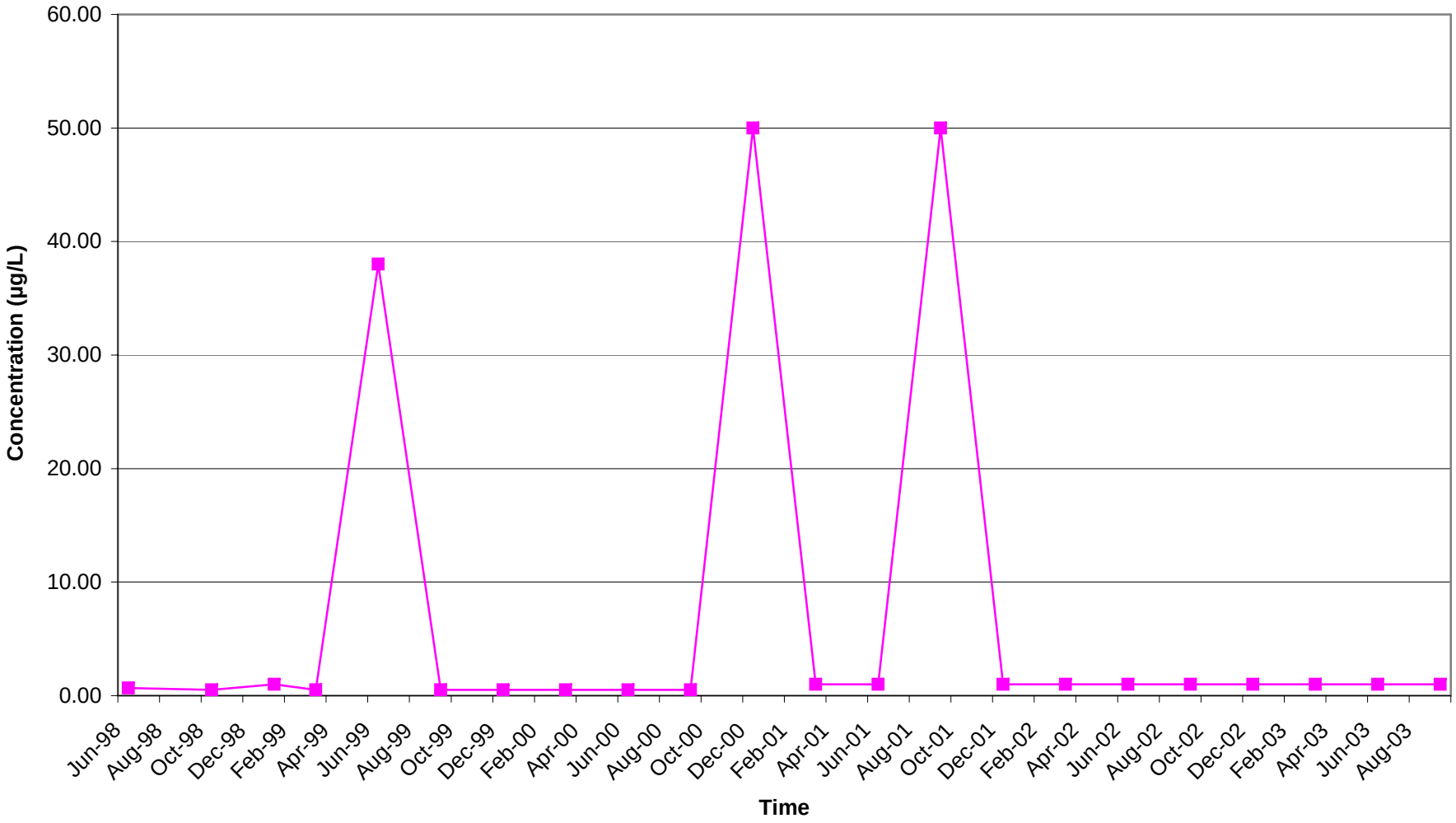
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-1)

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



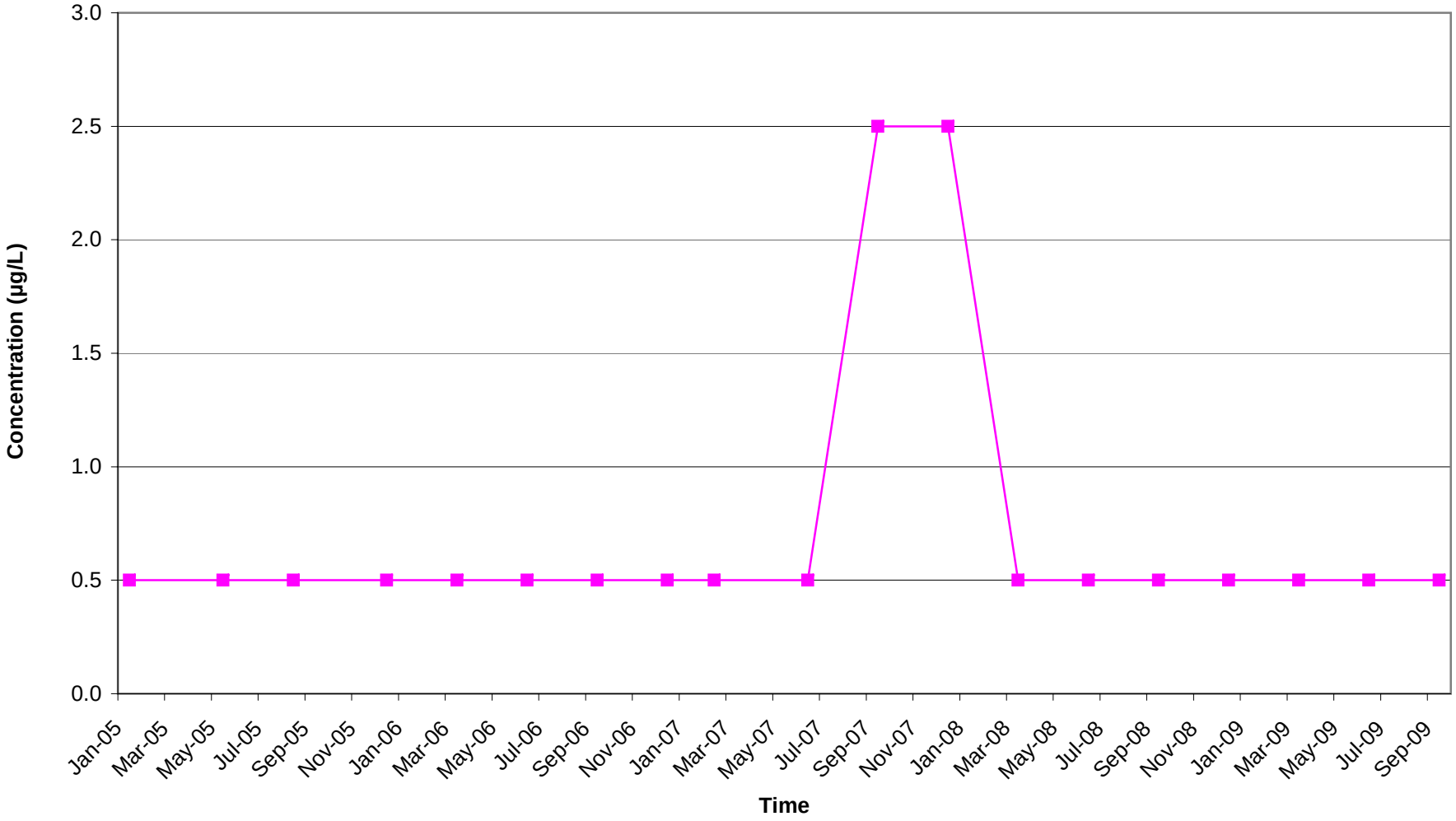
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-2)

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



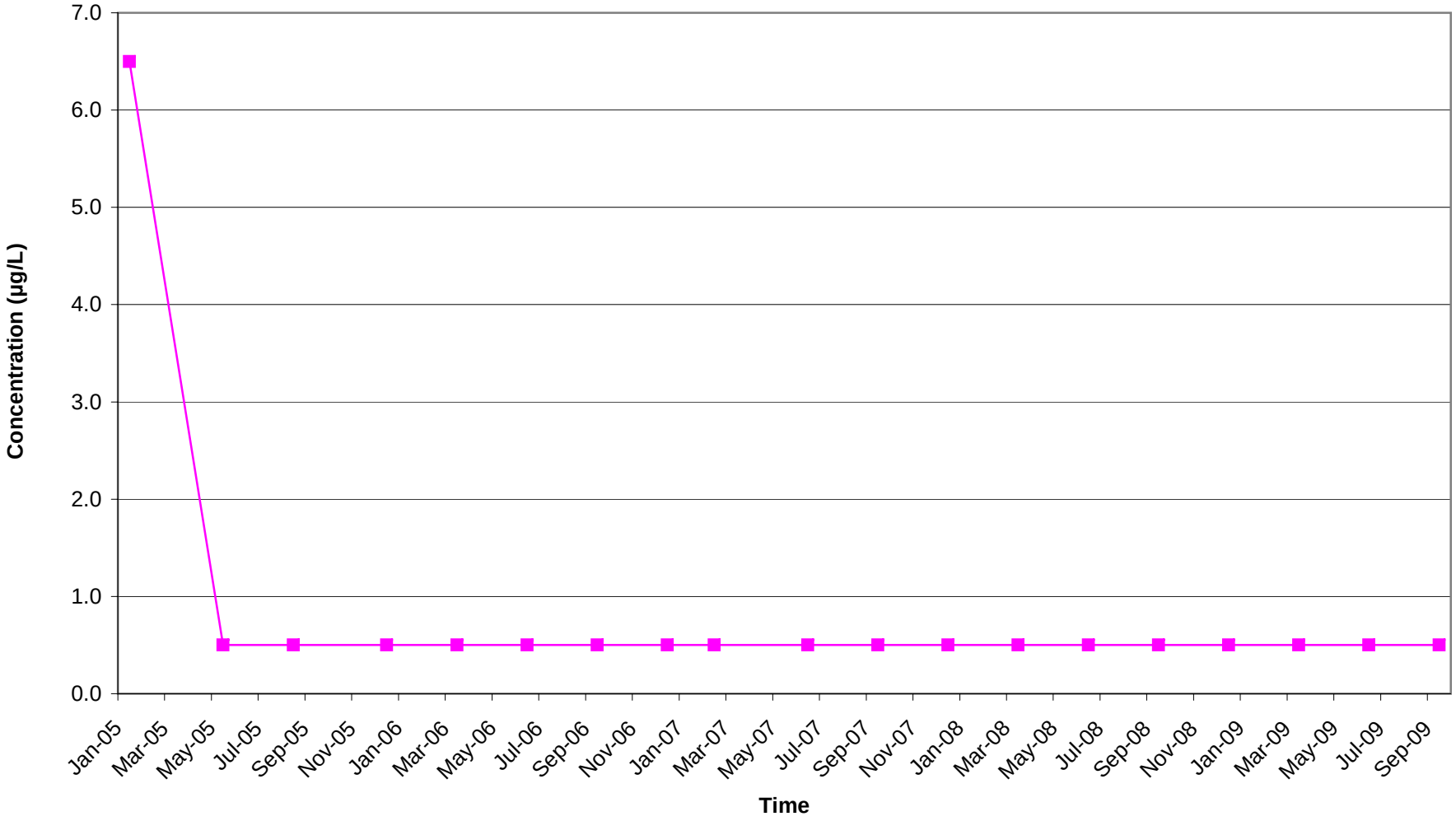
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-2S)

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



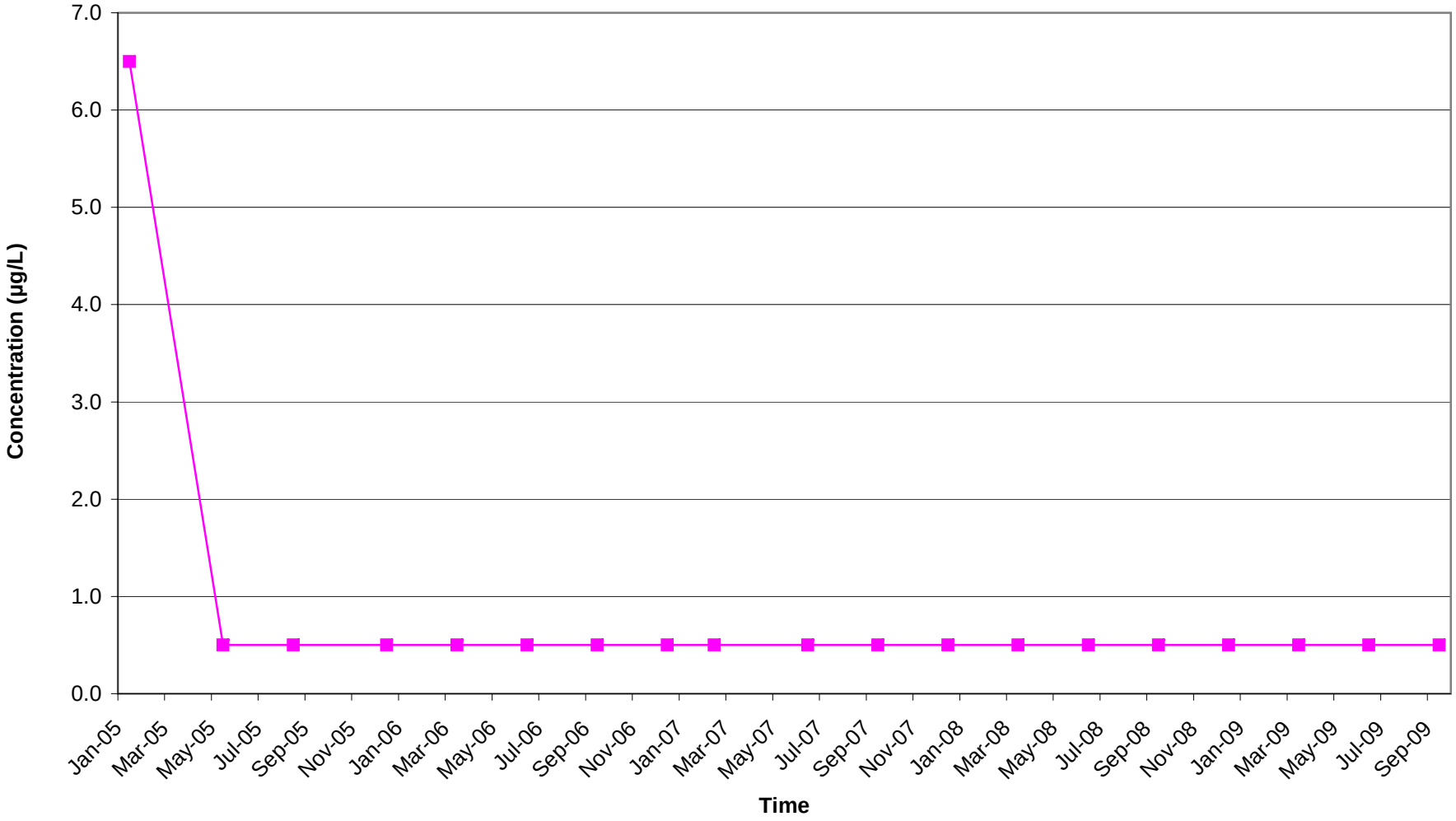
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-2M)

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



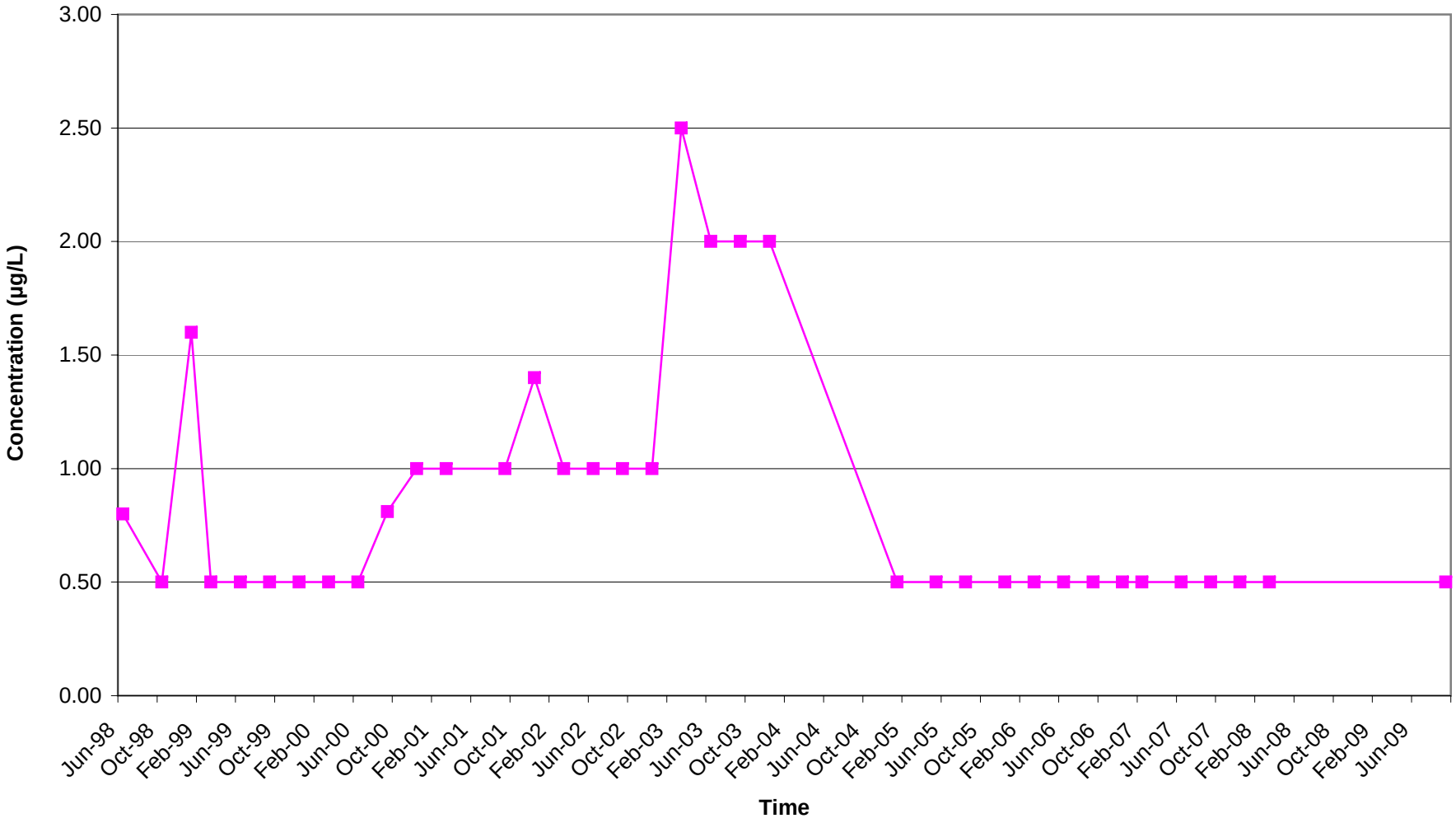
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-2D)

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



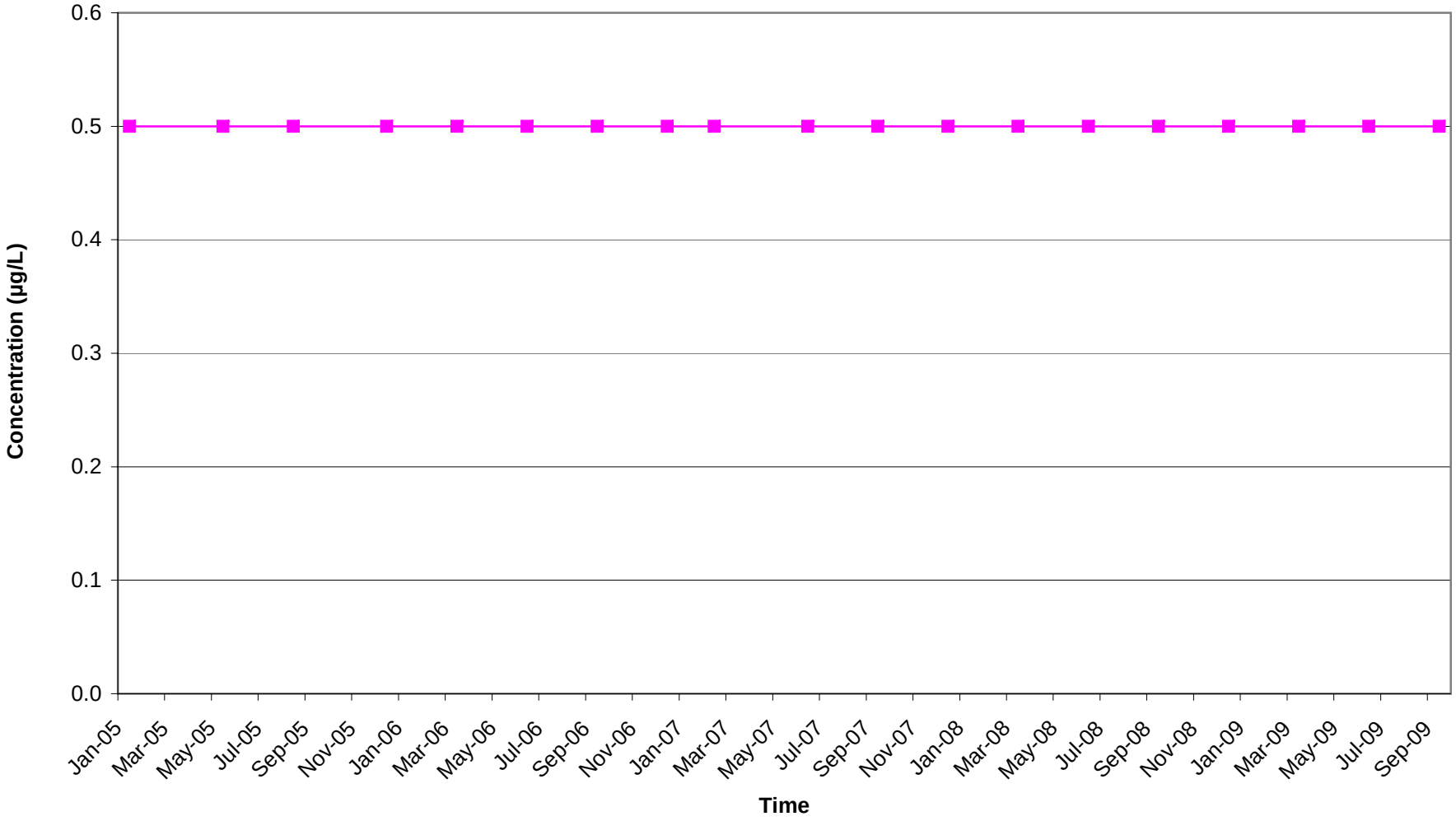
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-3)

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



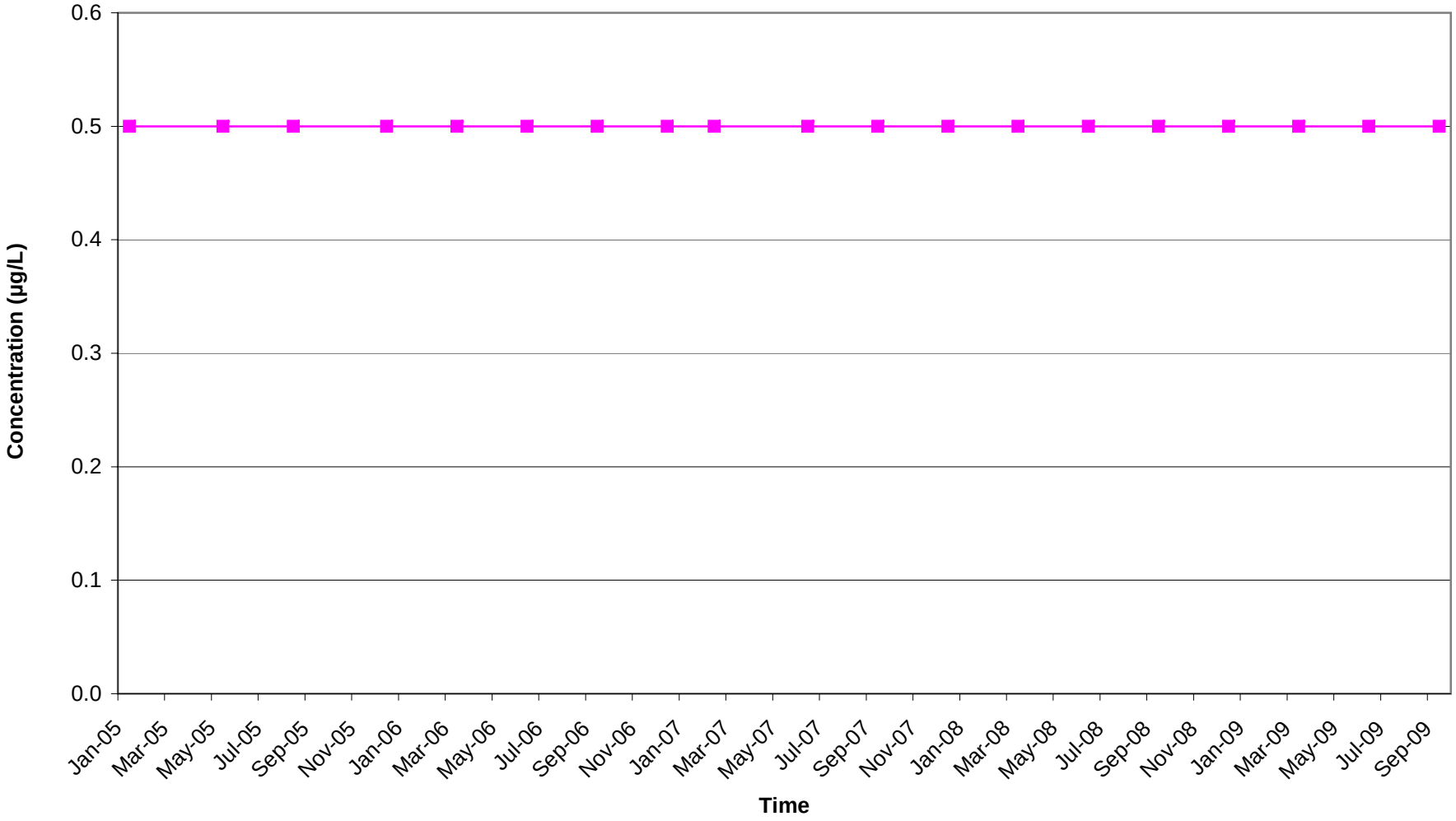
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-4S)

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



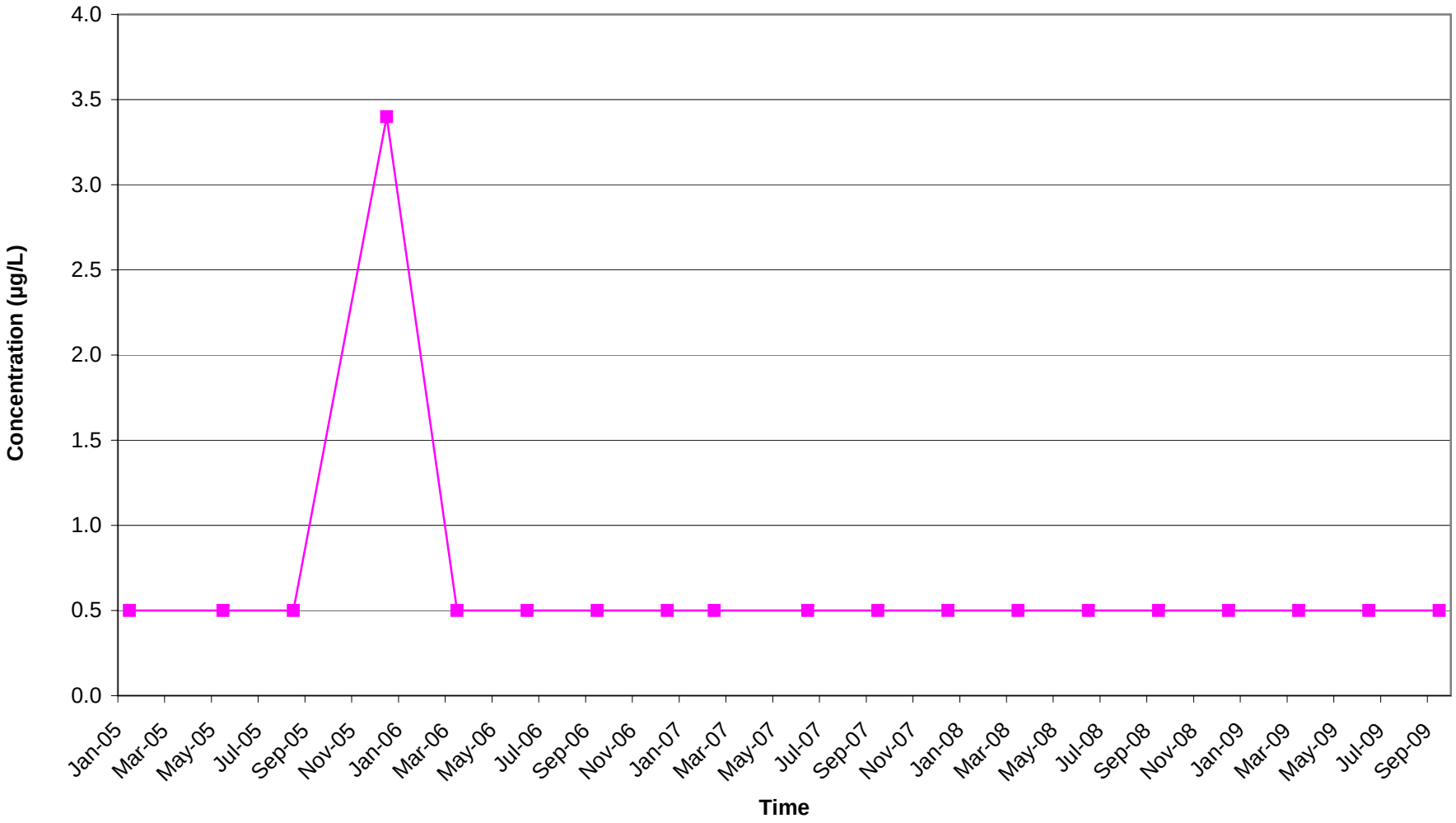
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-4D)

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



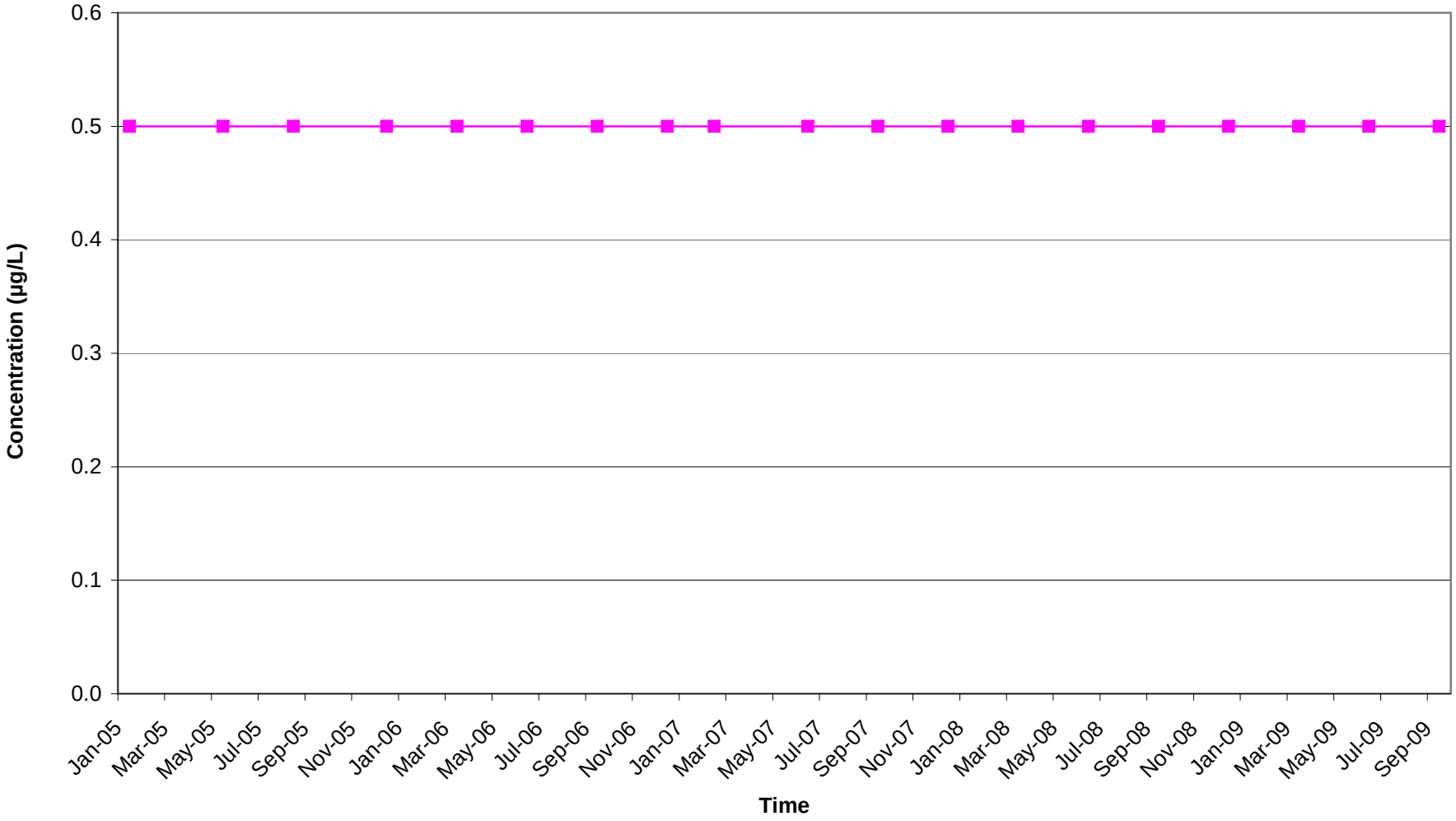
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-5S)

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



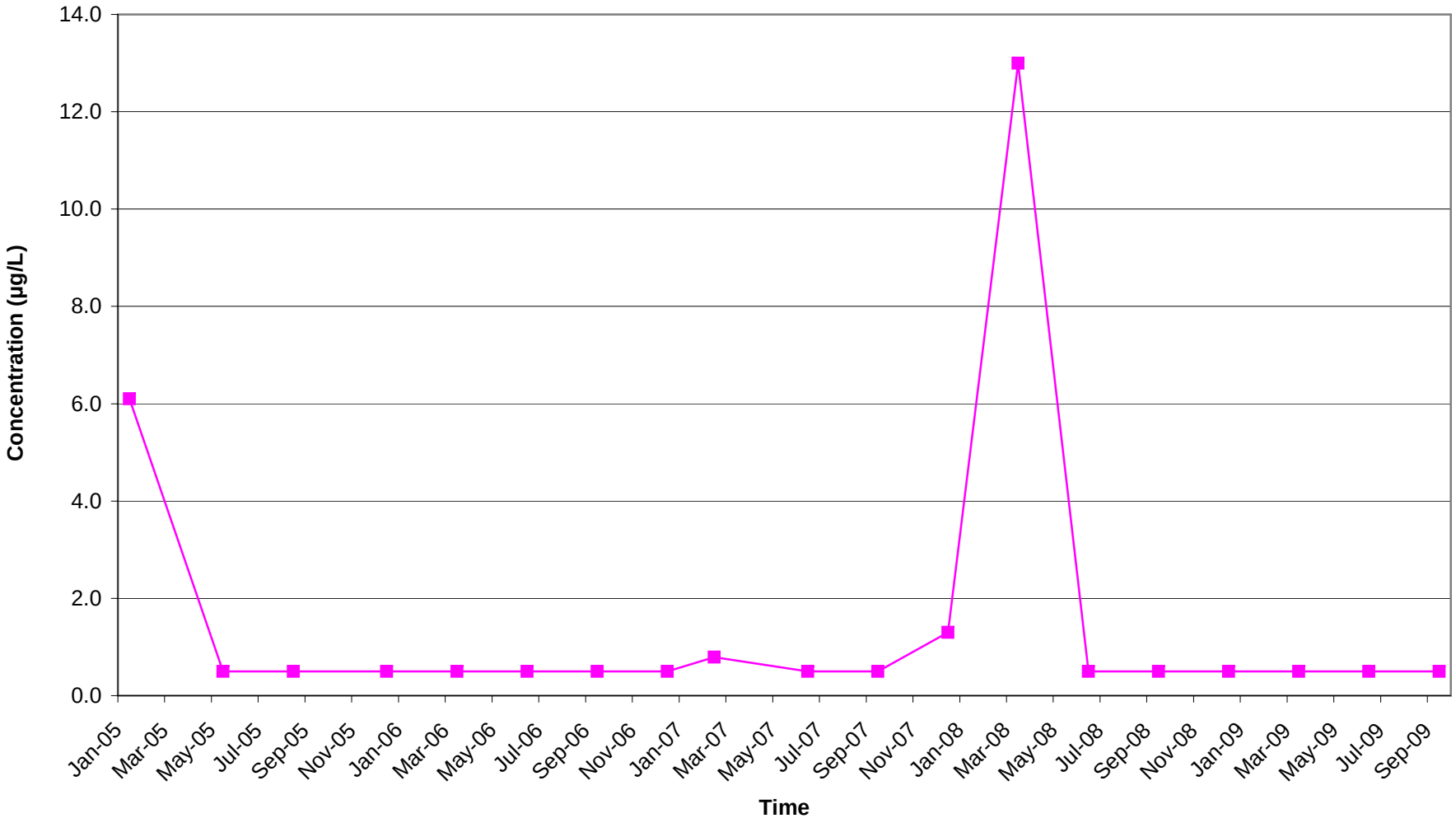
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-5D)

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



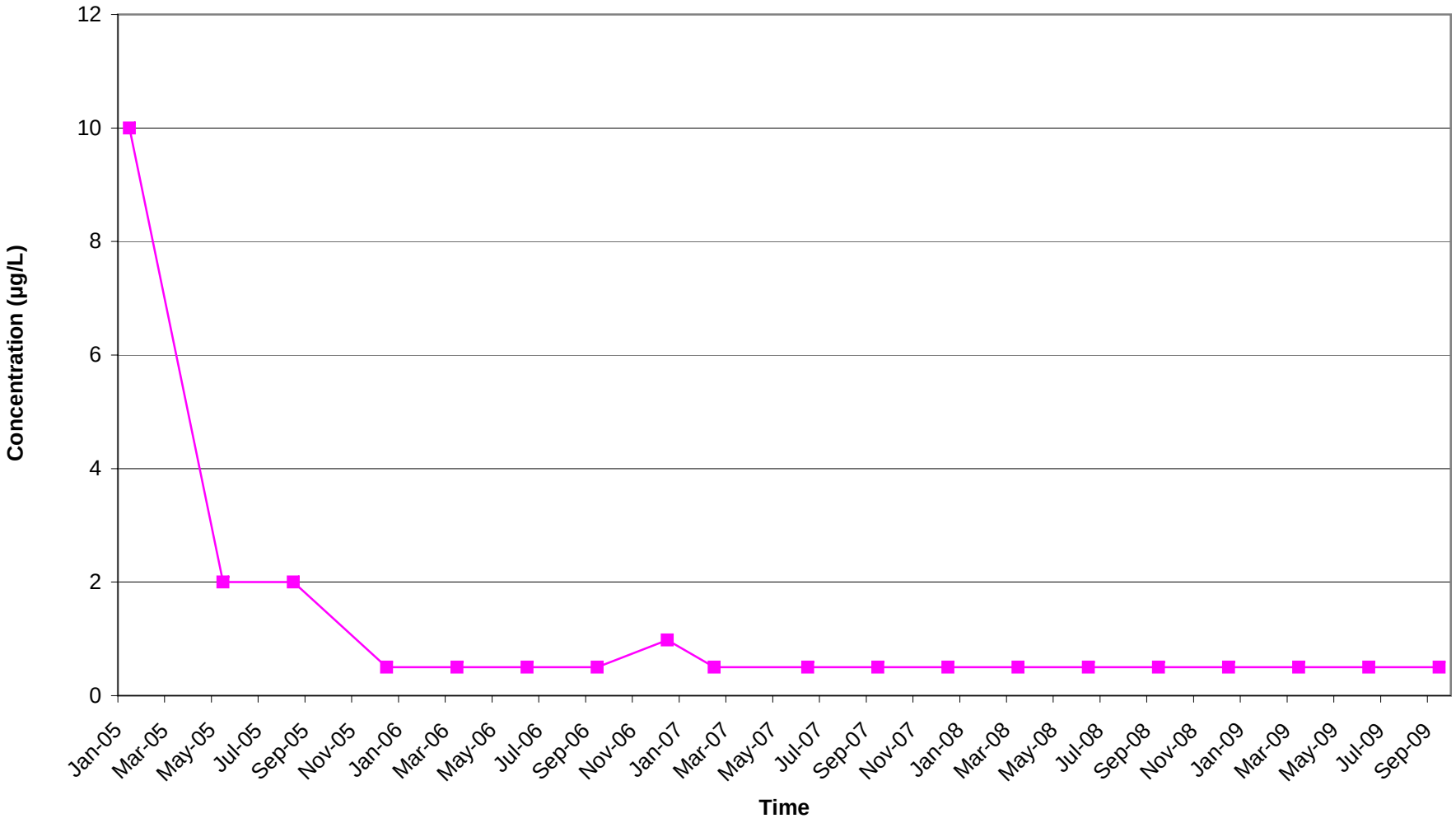
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-6S)

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



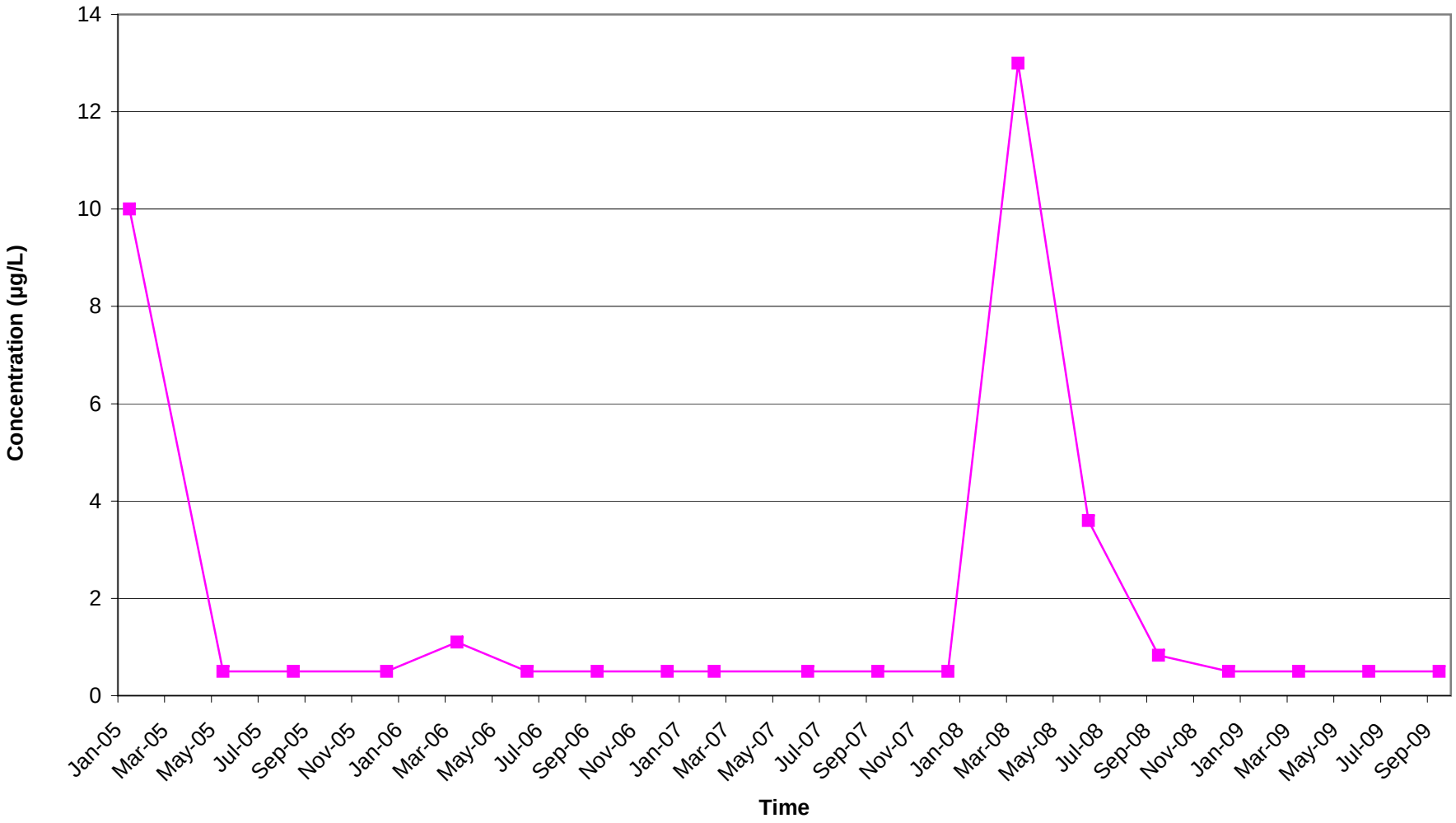
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-6D)

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



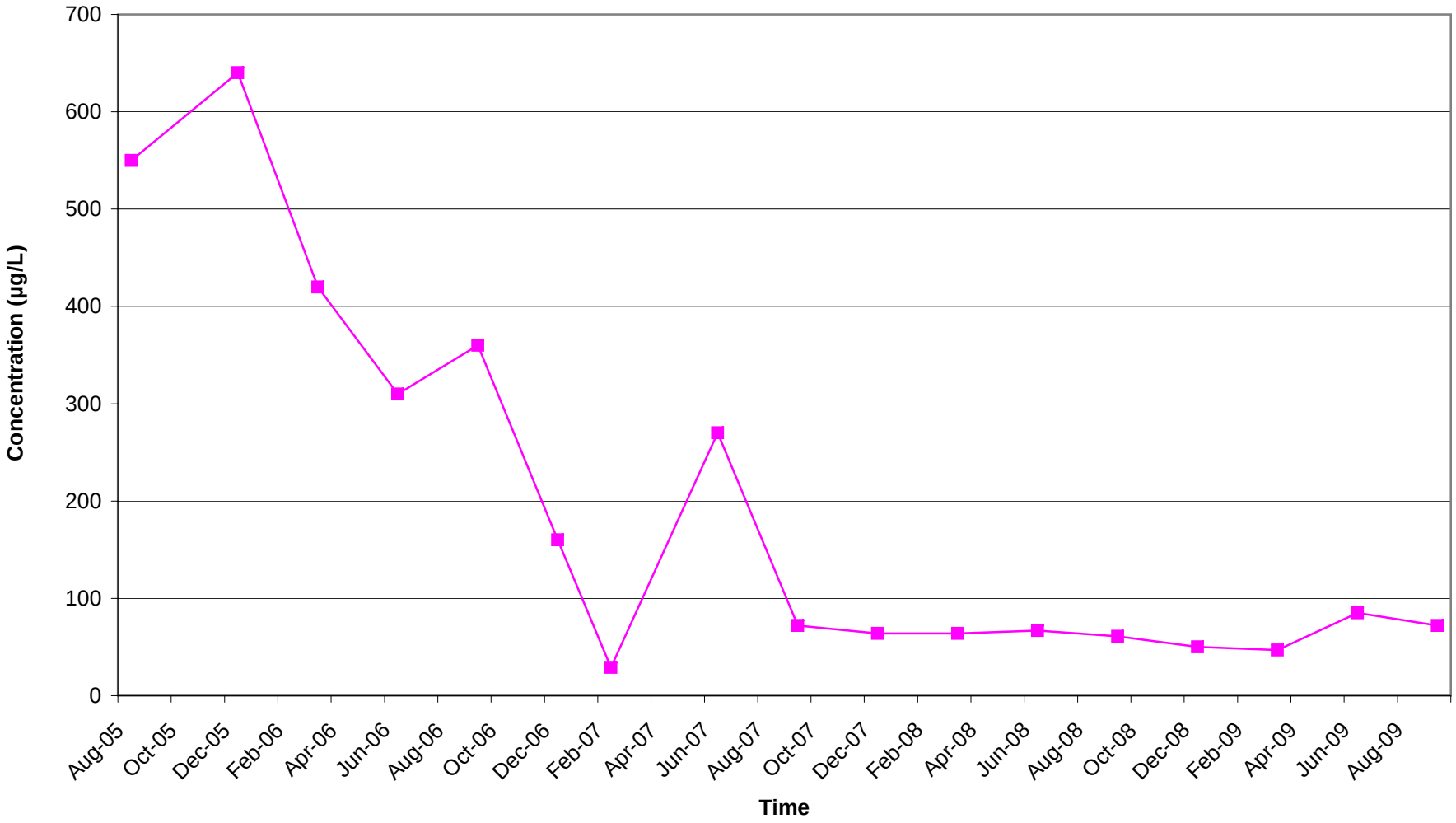
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-7S)

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



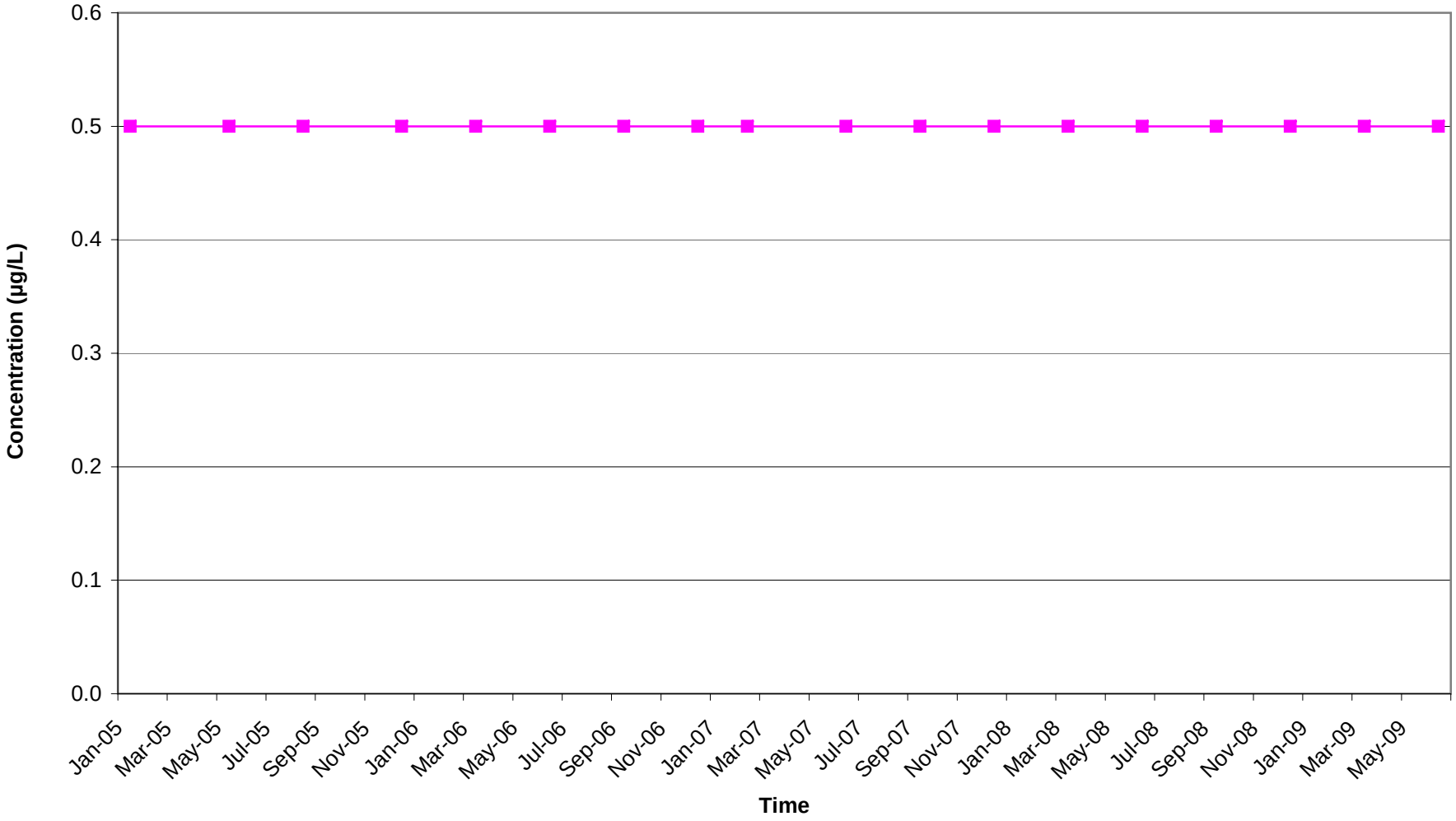
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-7D)

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



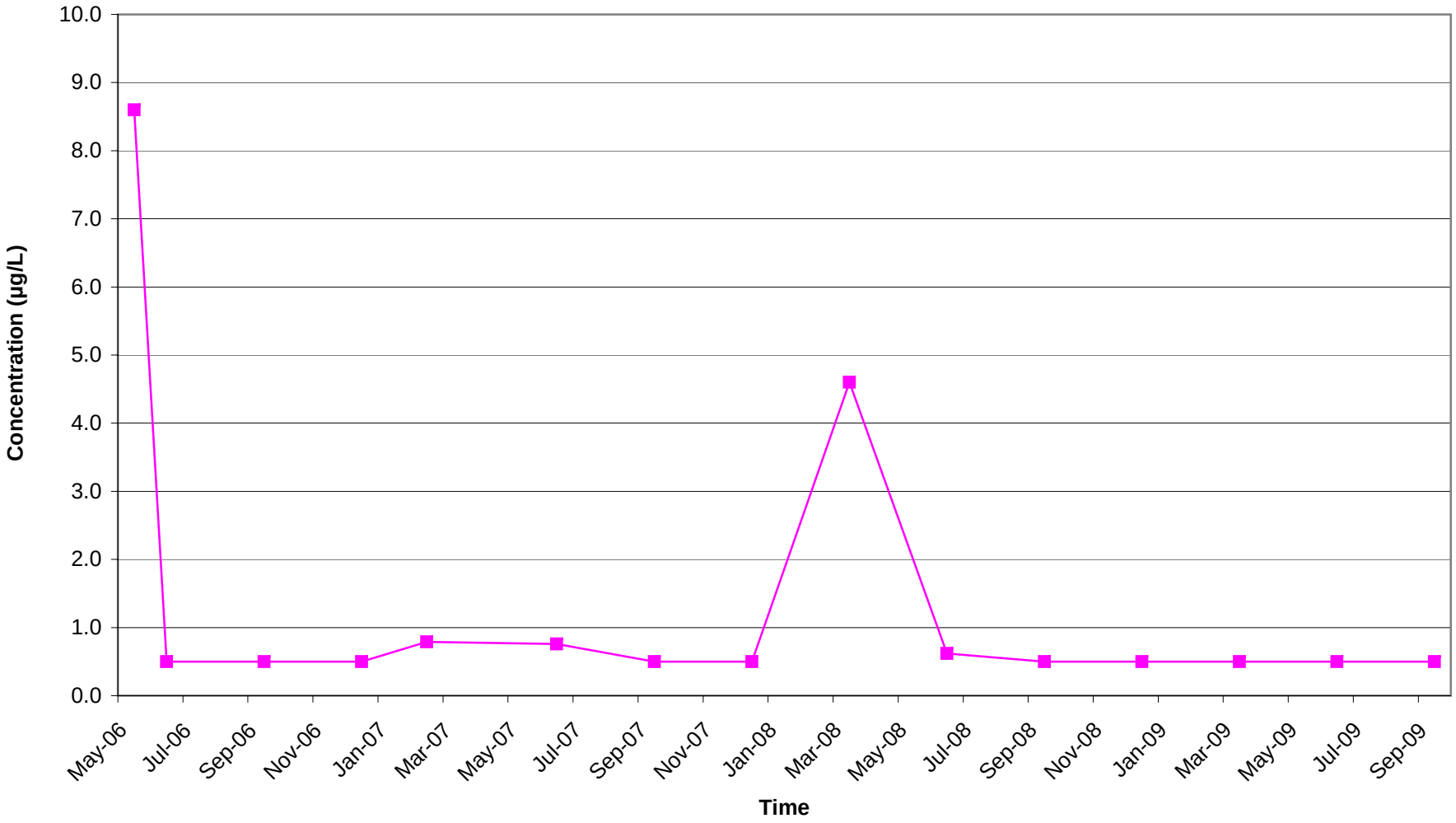
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-8)

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



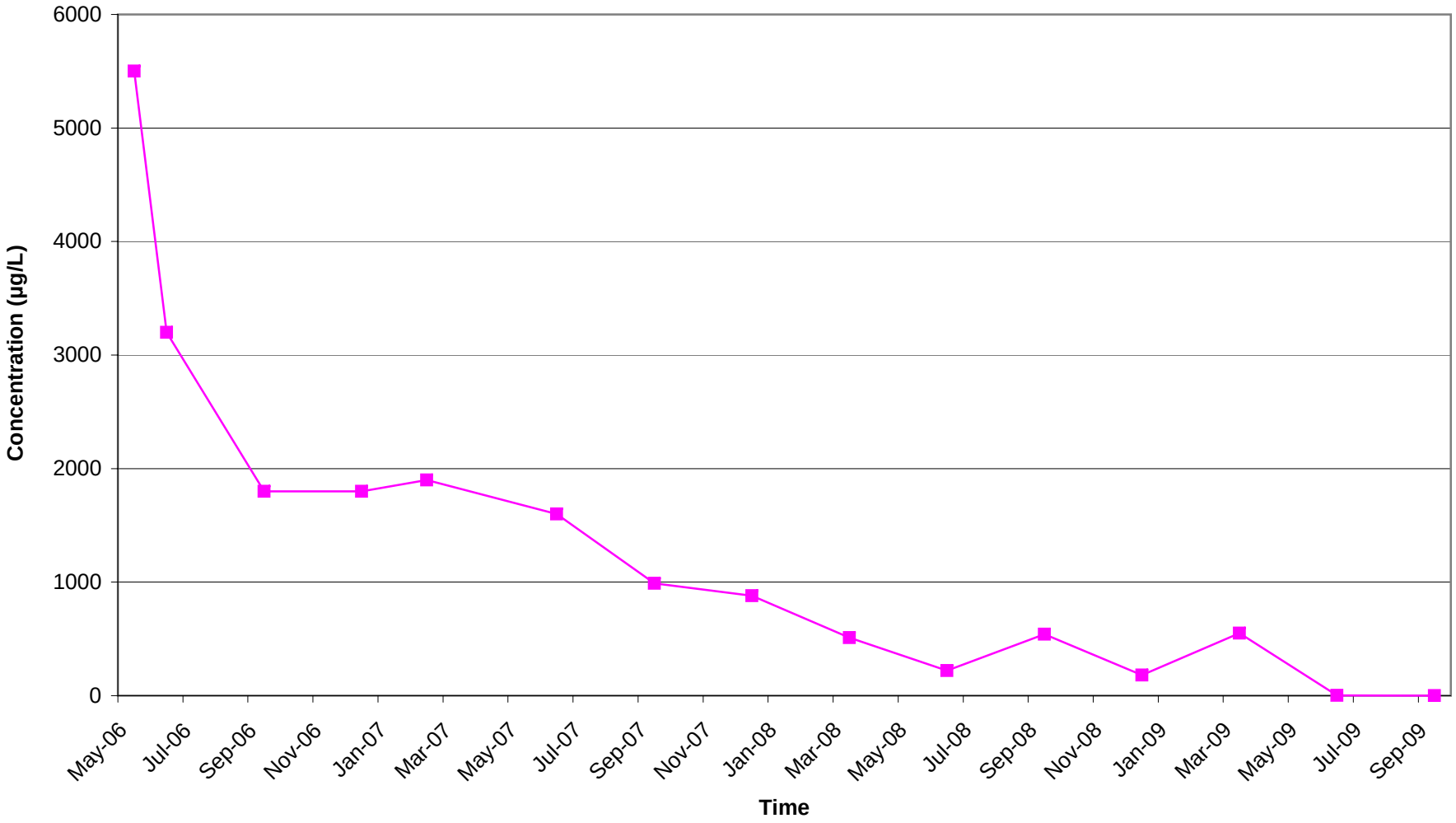
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-9S)

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



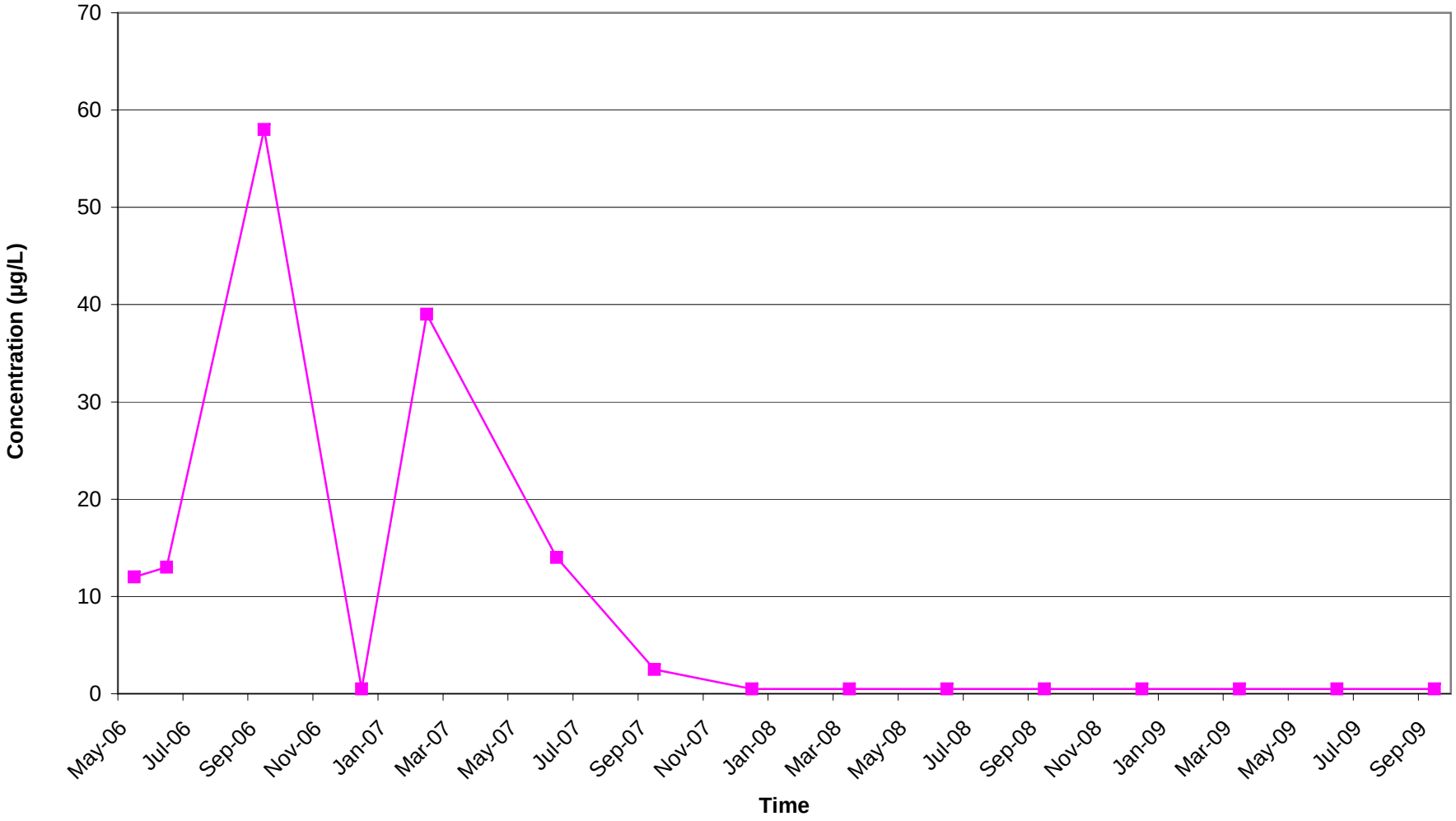
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-9D)

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



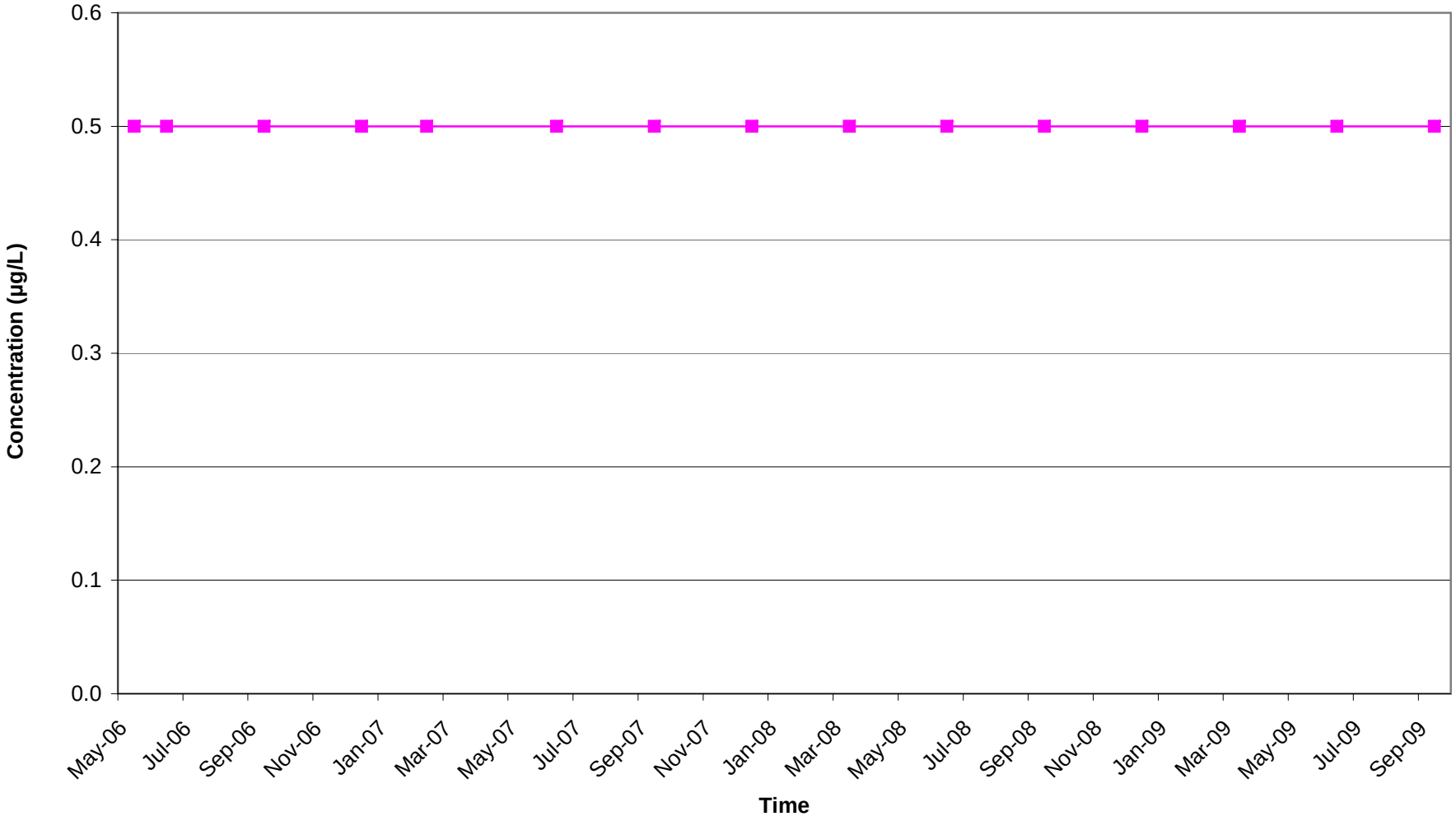
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-9LF)

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



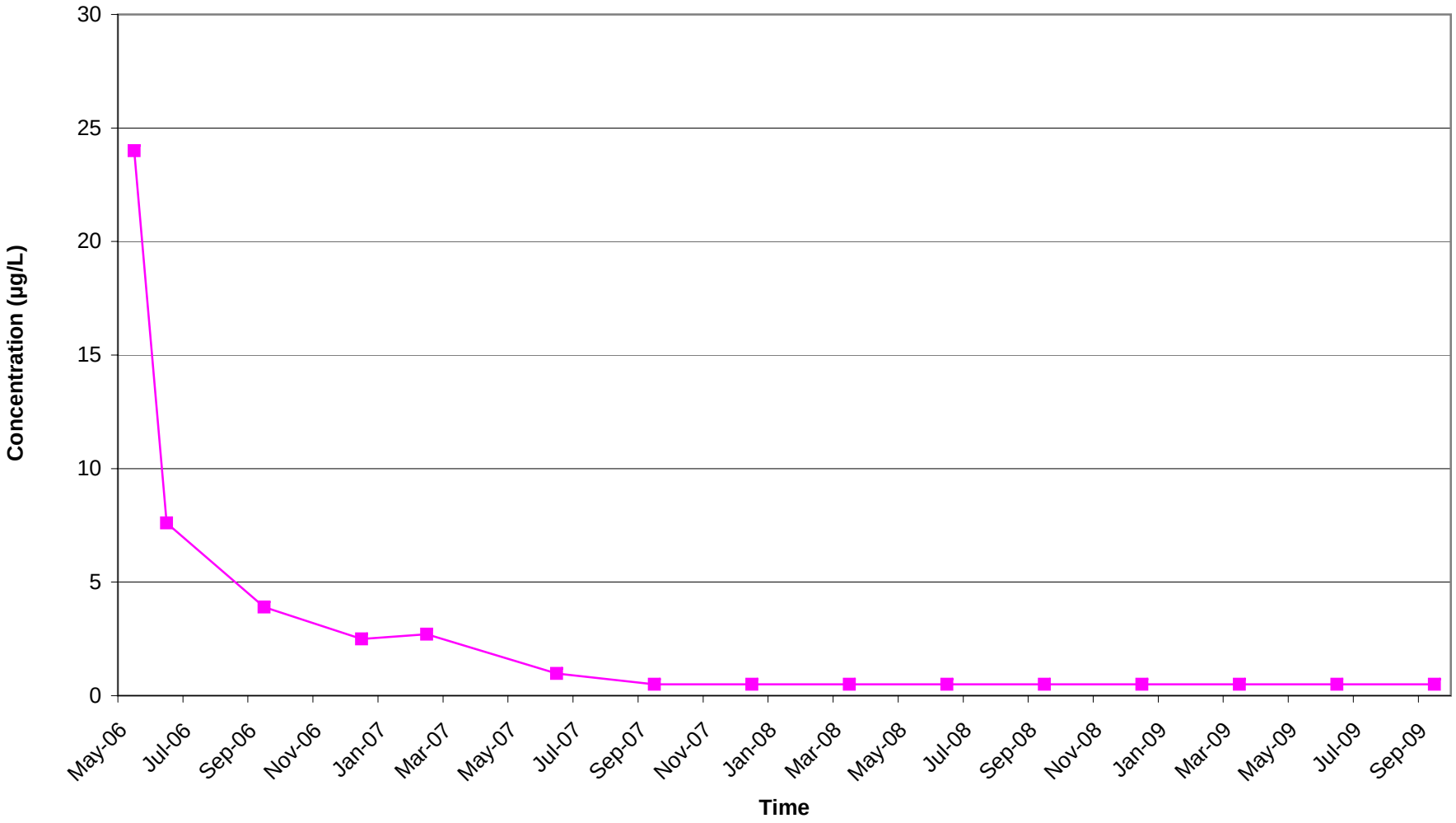
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-10S)

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



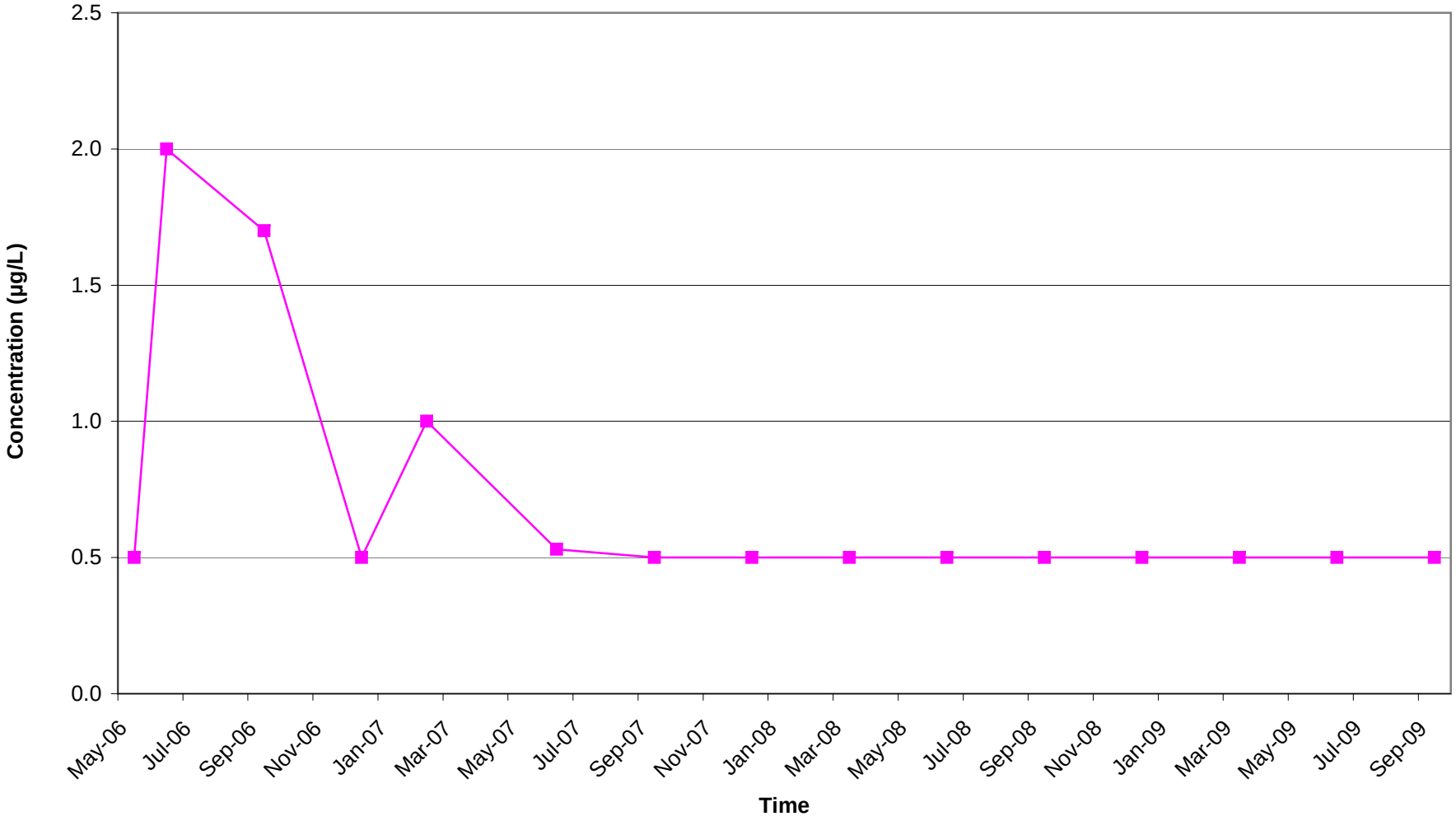
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-10D)

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



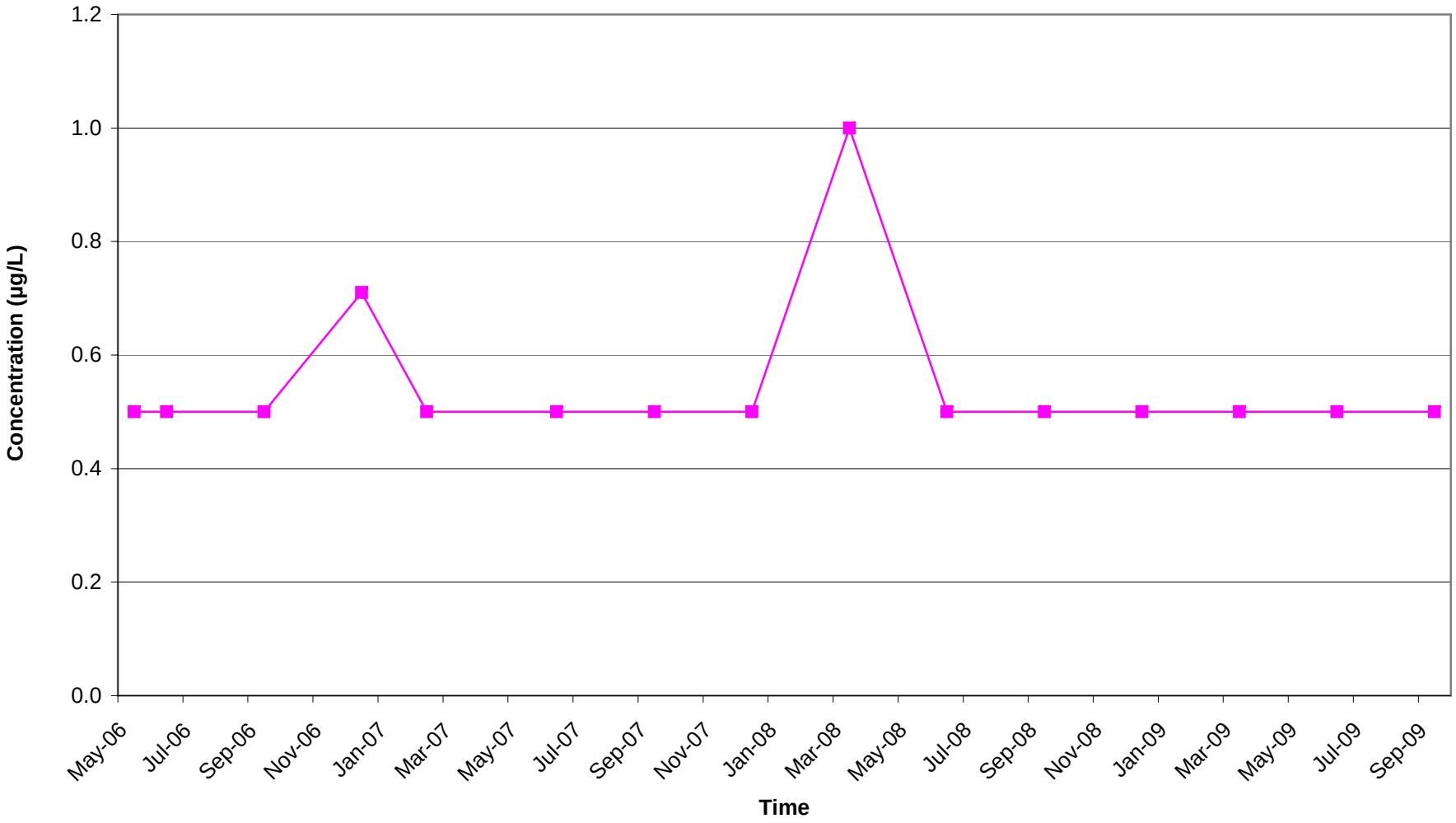
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-10LF)

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



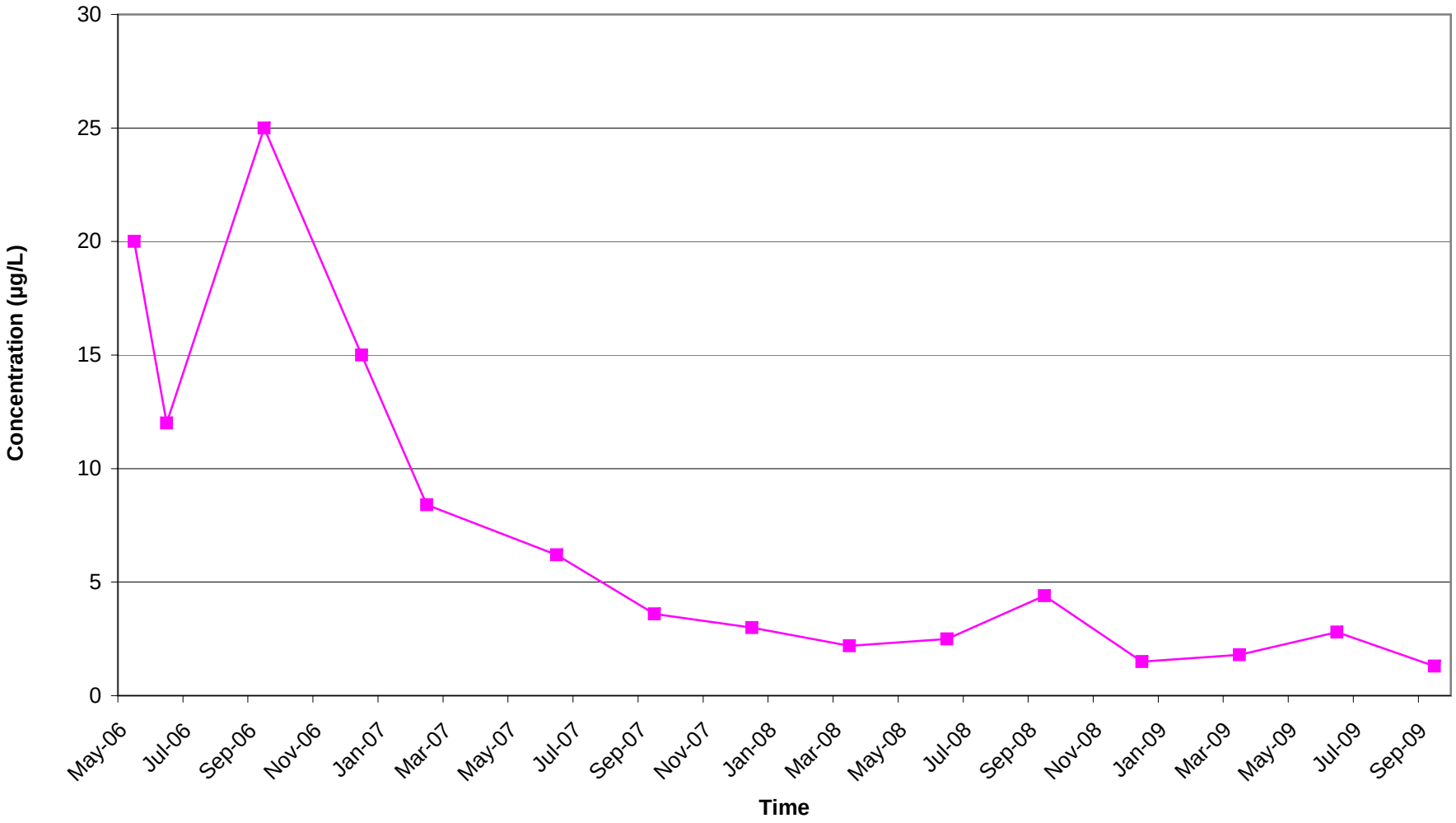
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-11S)

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



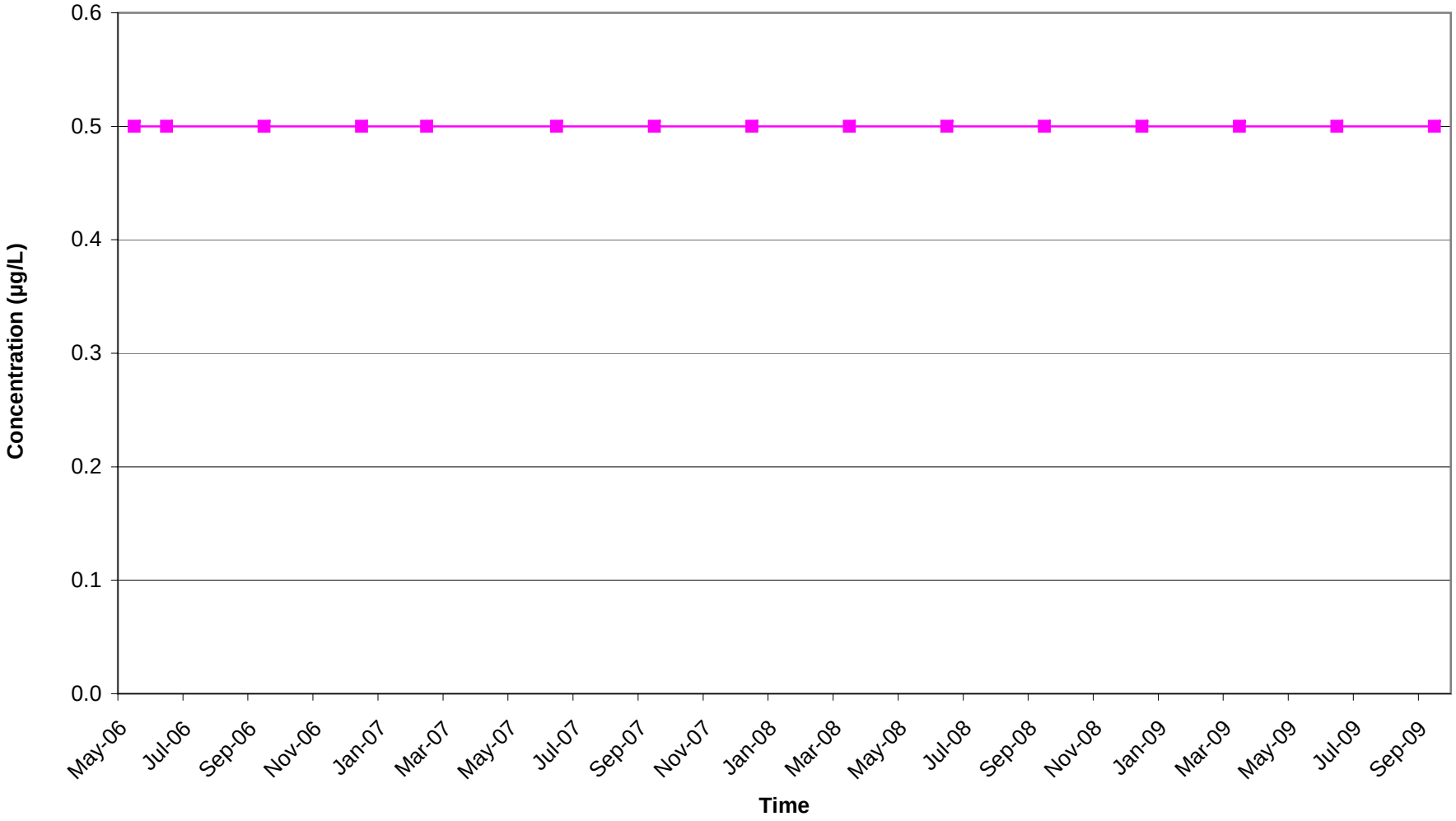
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-11D)

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



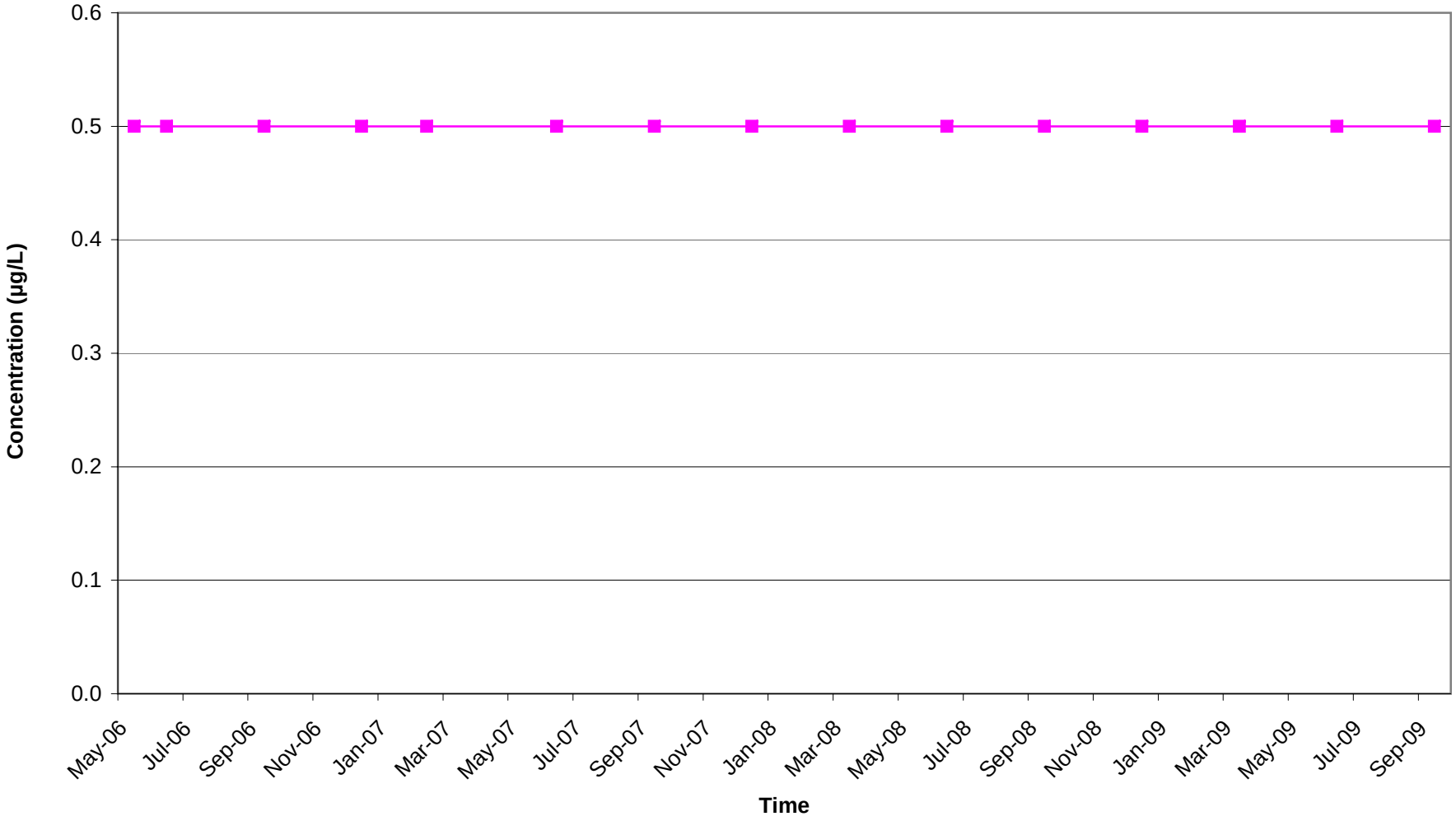
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-11LF)

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



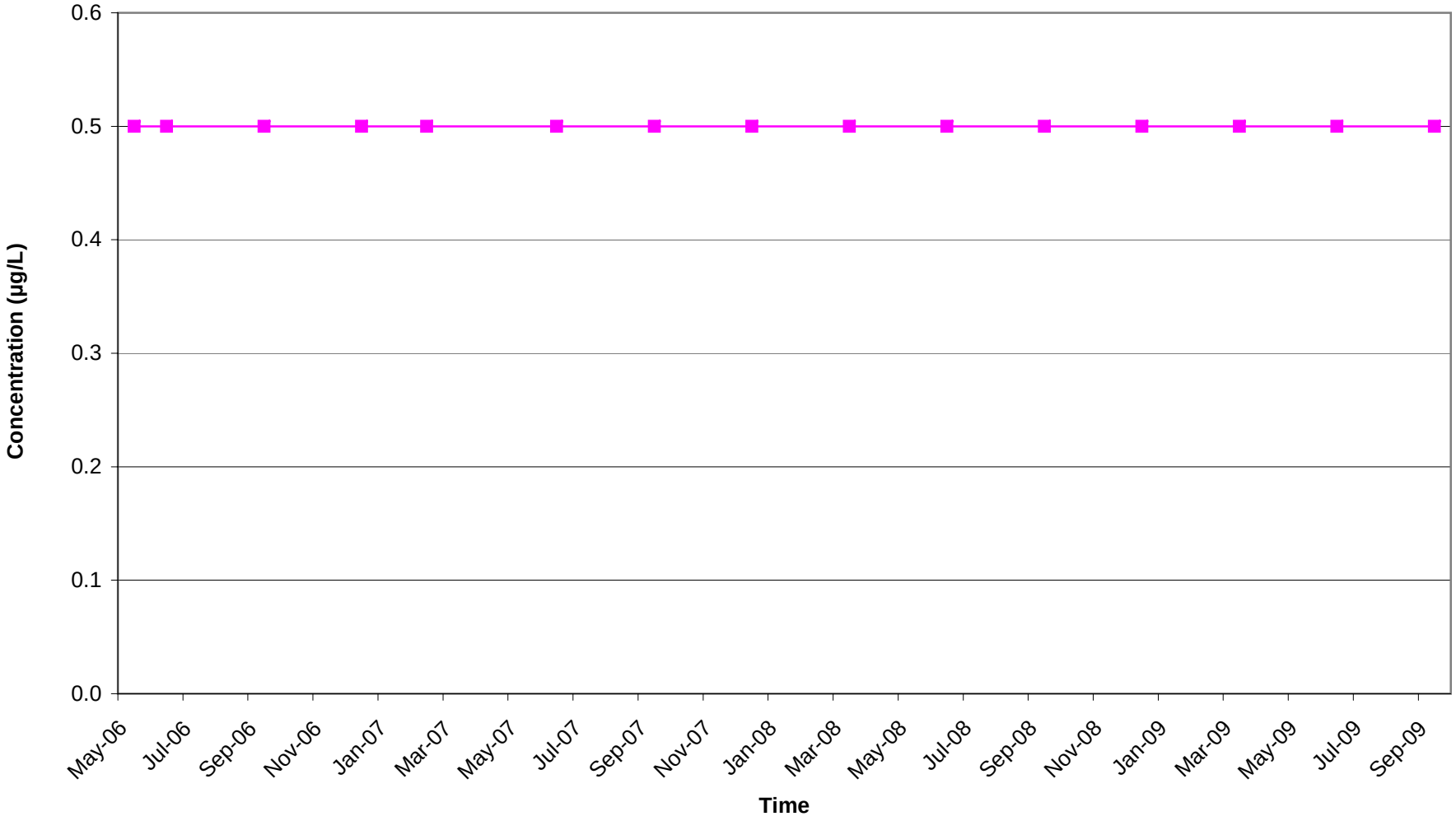
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-12S)

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



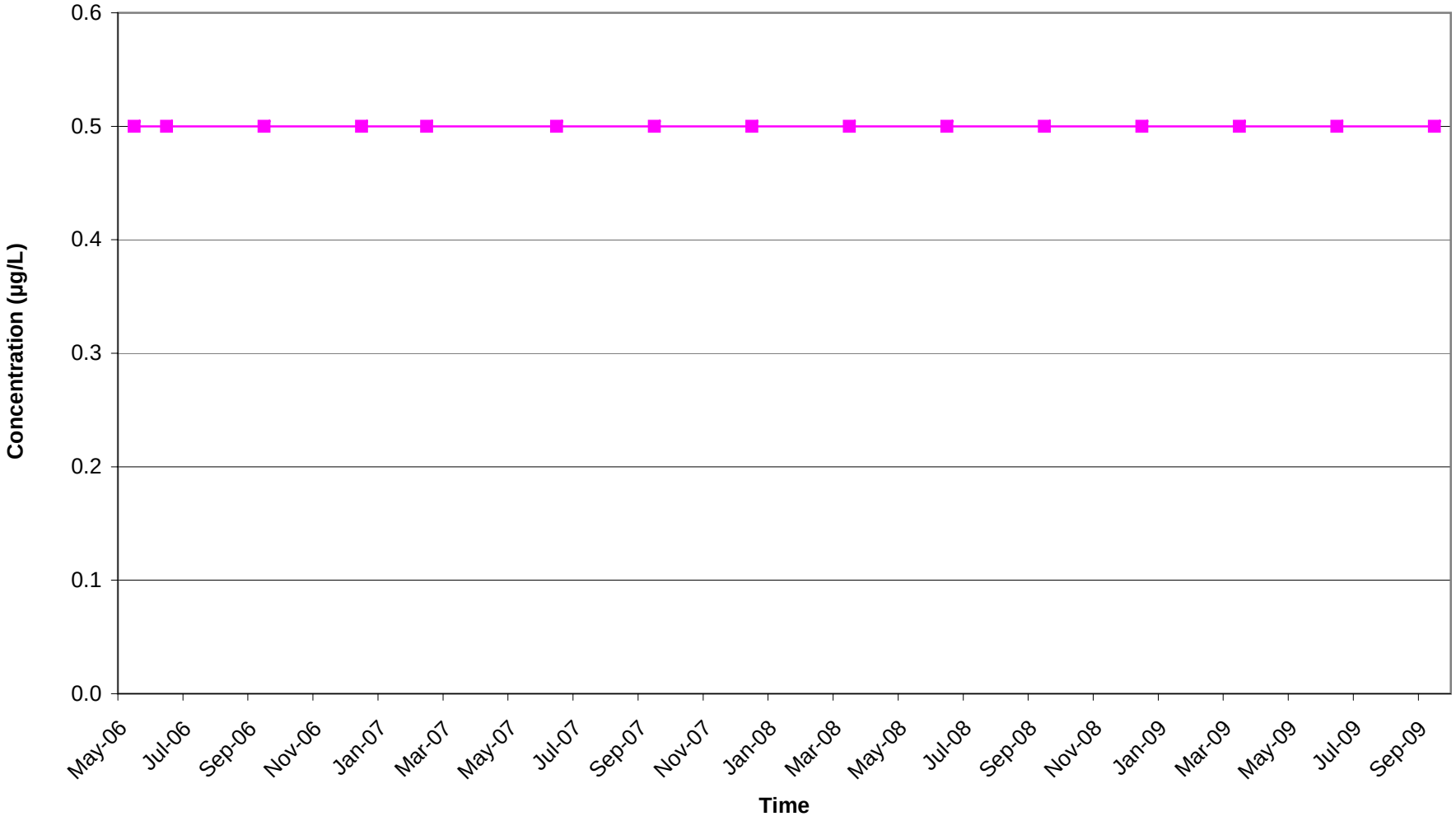
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-12D)

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



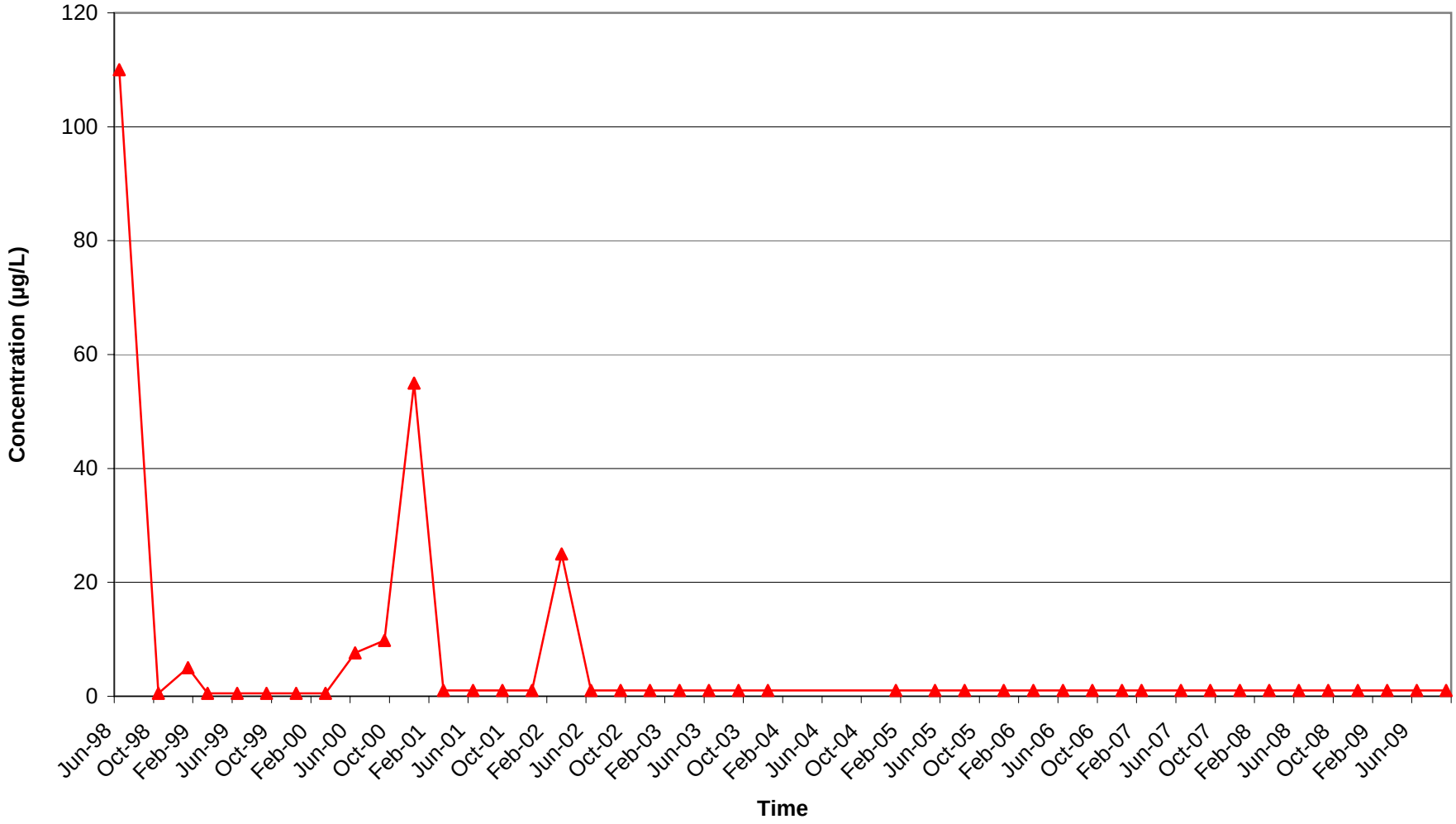
CONCENTRATIONS OF BENZENE IN GROUNDWATER VS. TIME (MW-12LF)

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



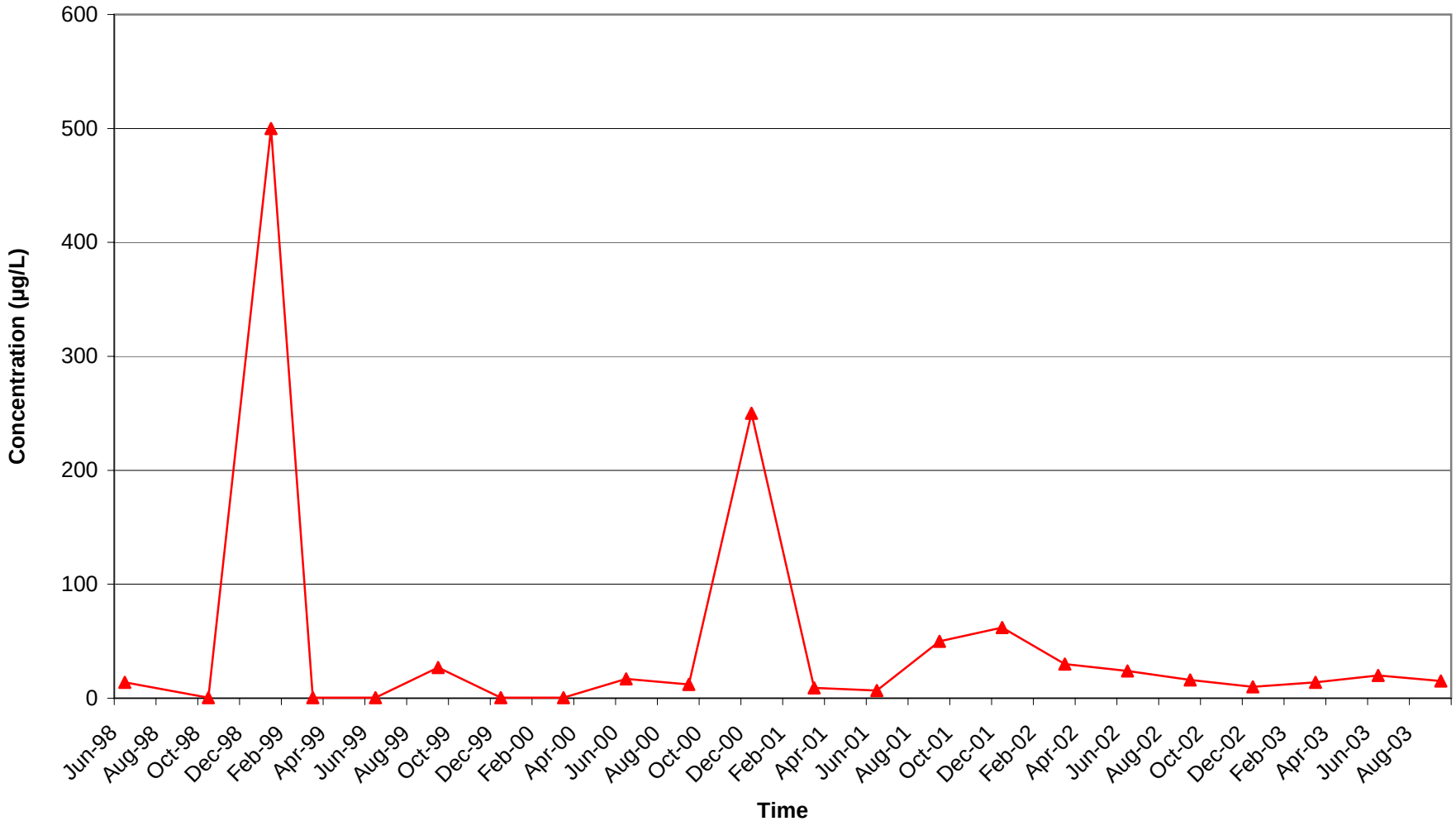
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-1)

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



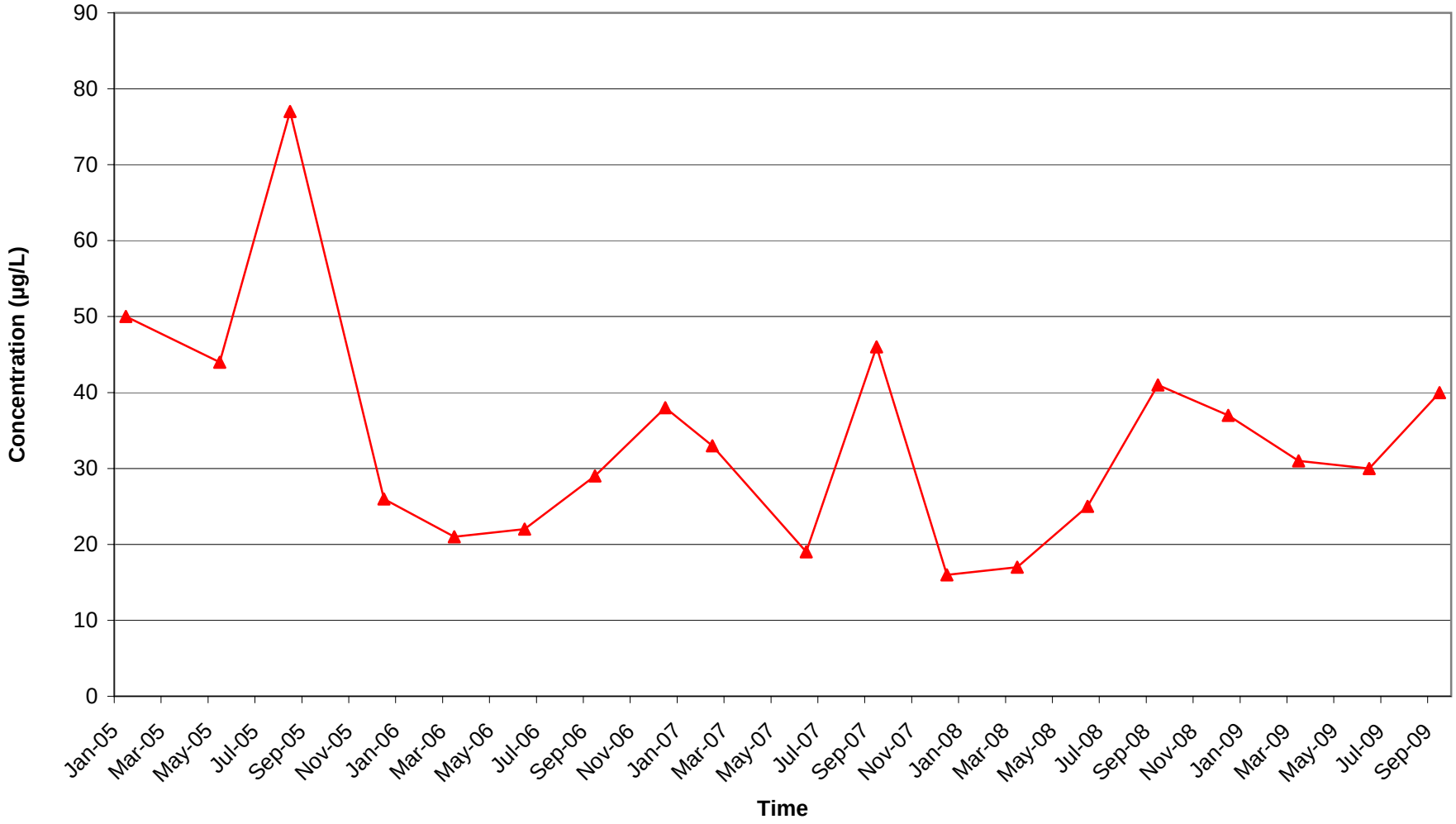
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-2)

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



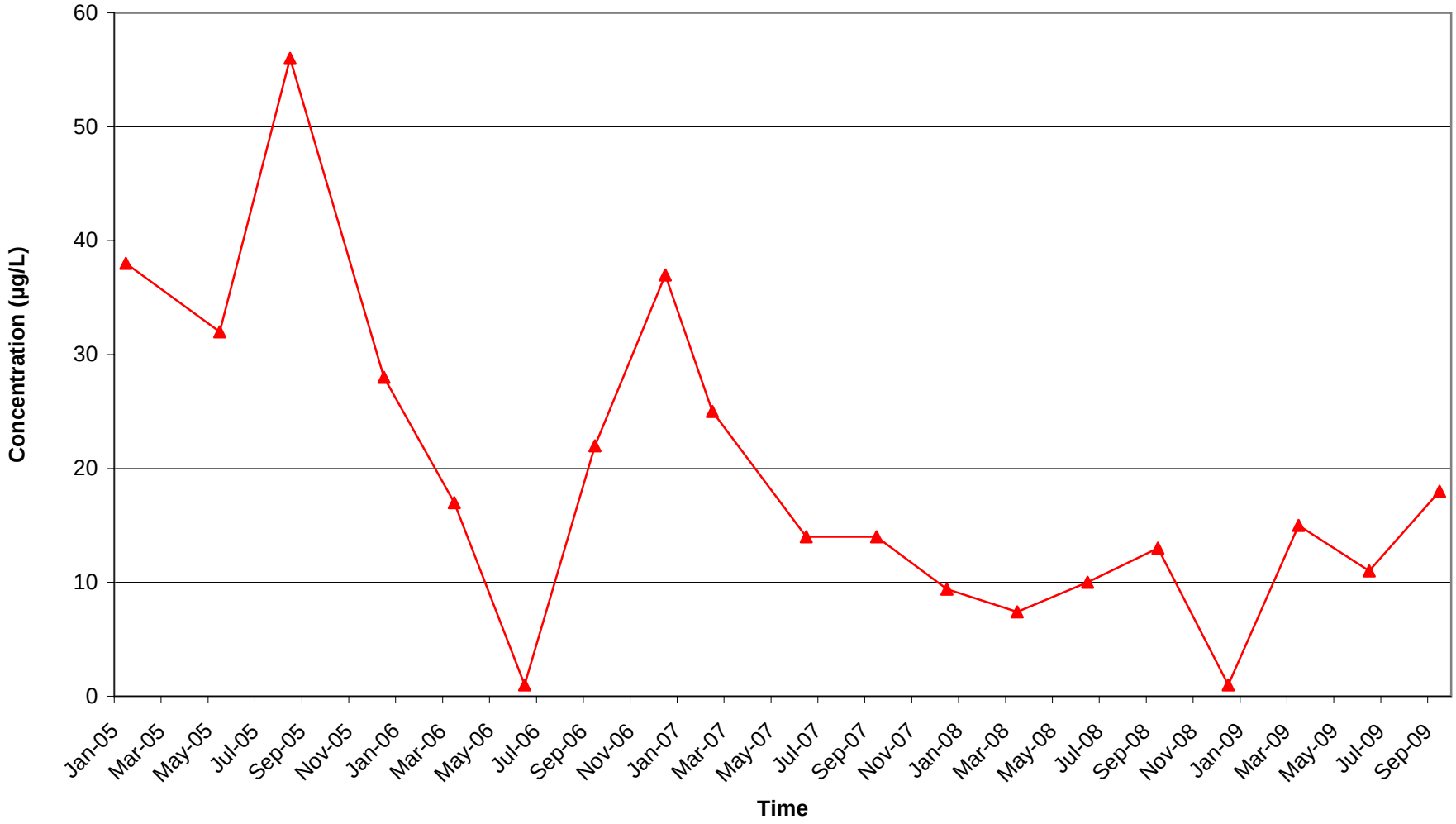
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-2S)

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



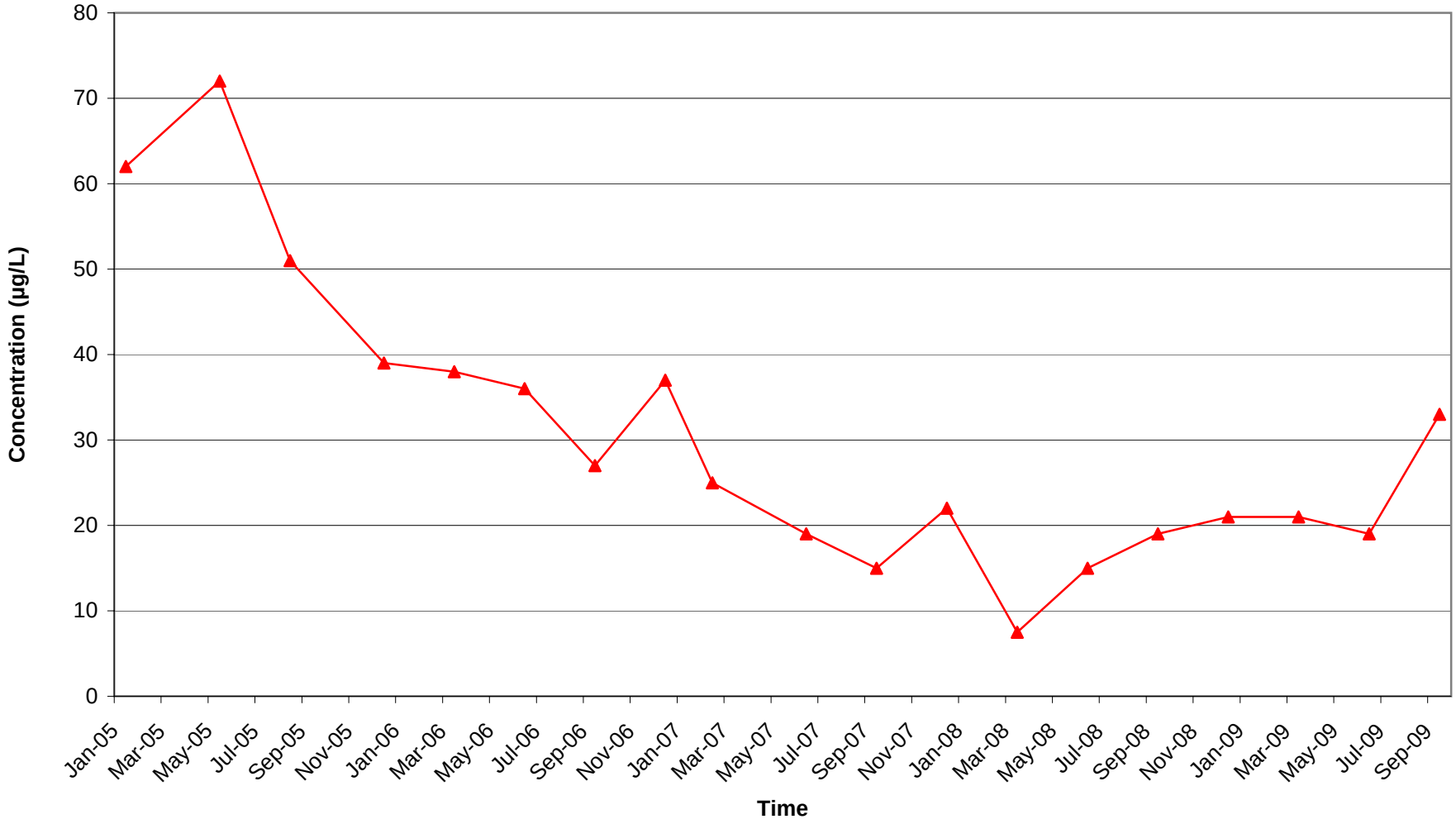
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-2M)

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



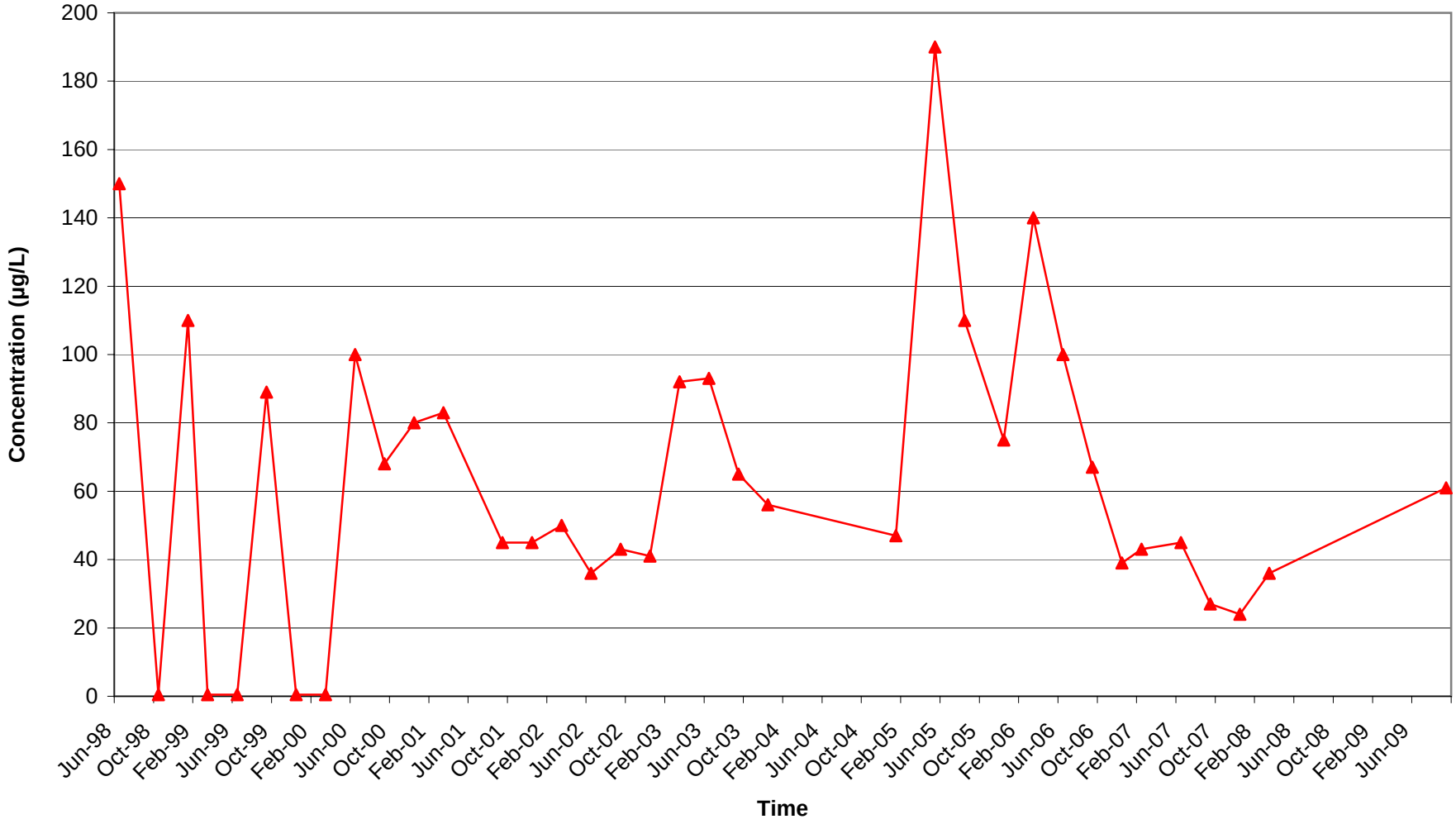
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-2D)

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



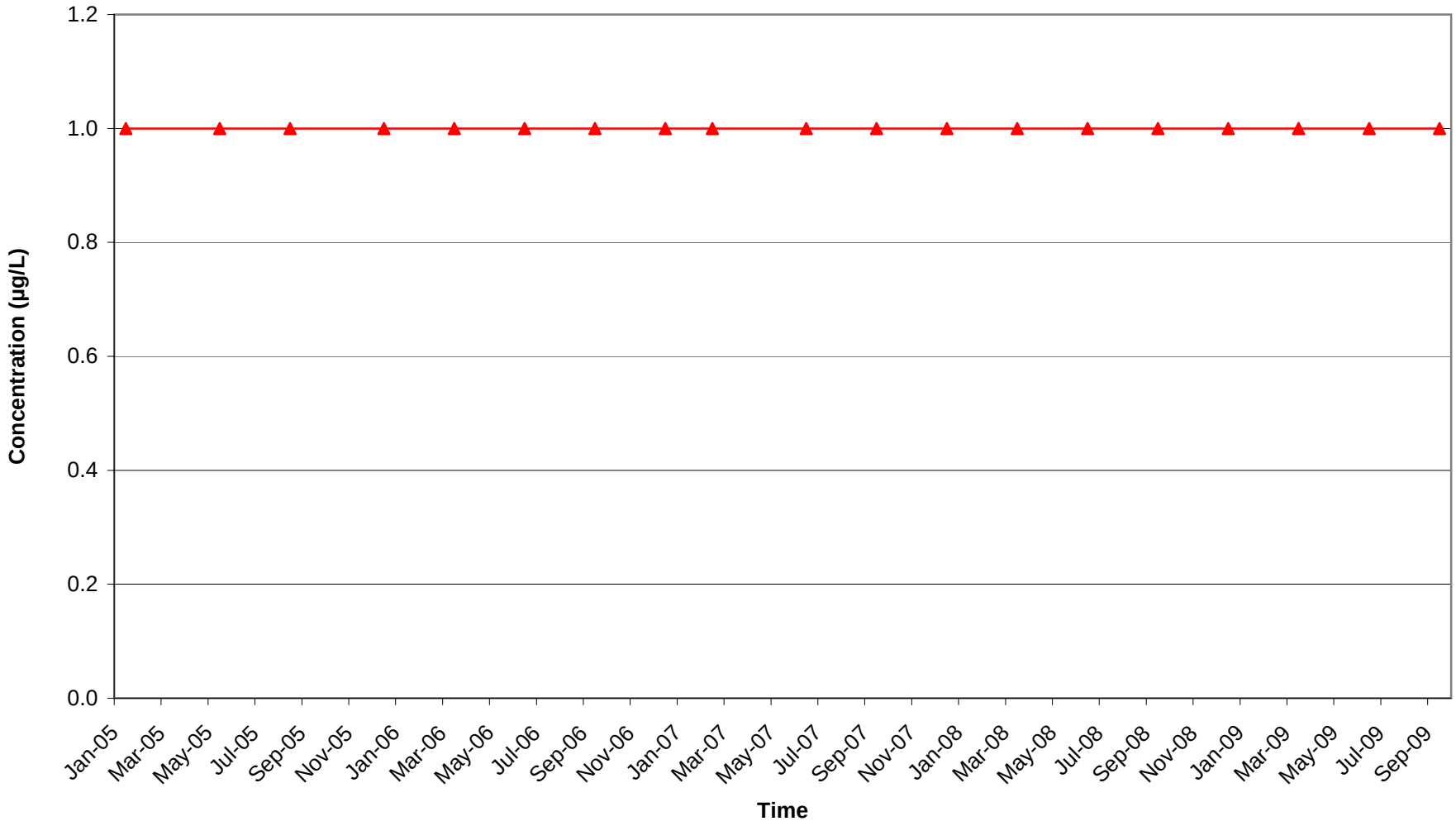
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-3)

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



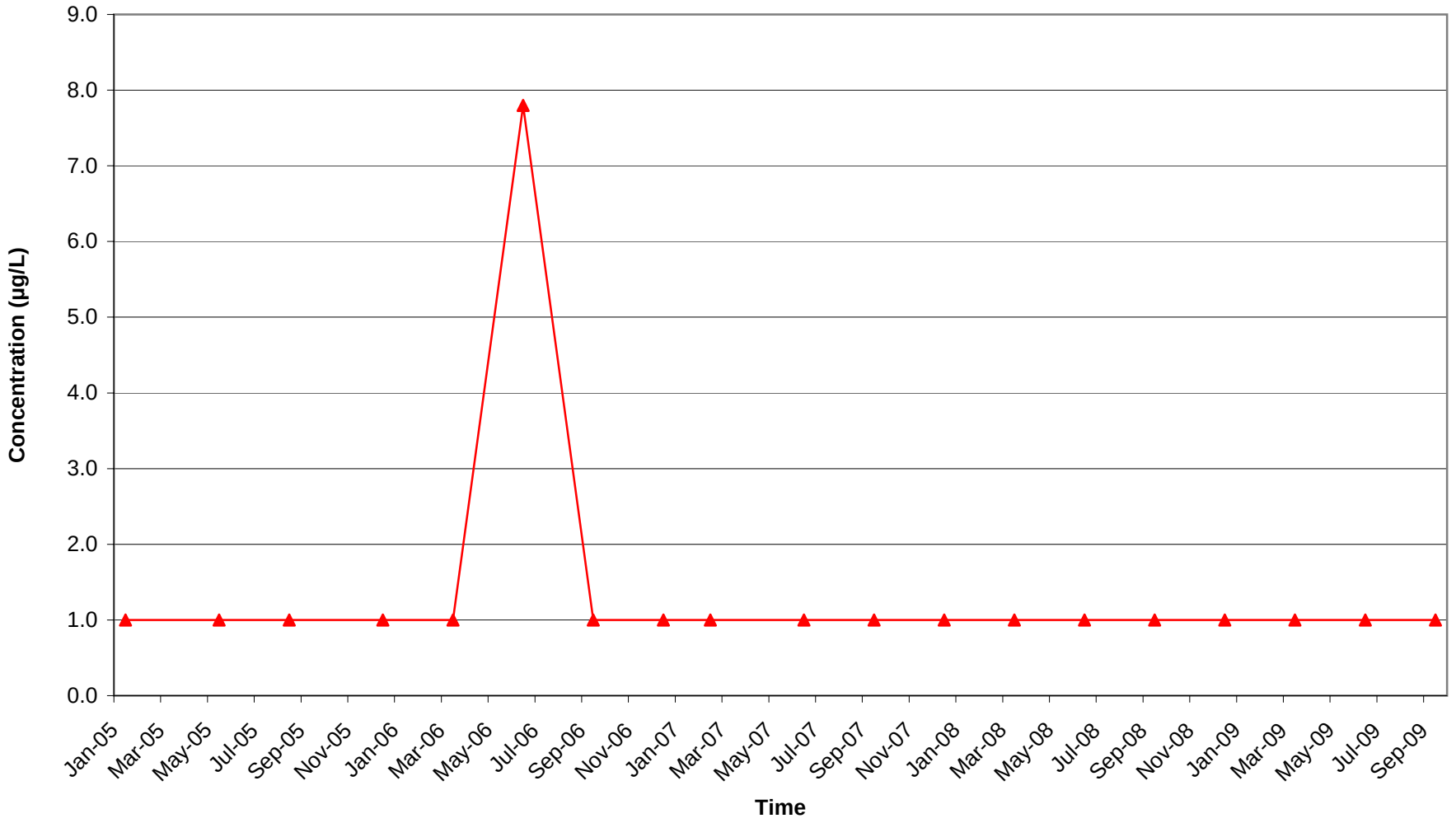
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-4S)

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



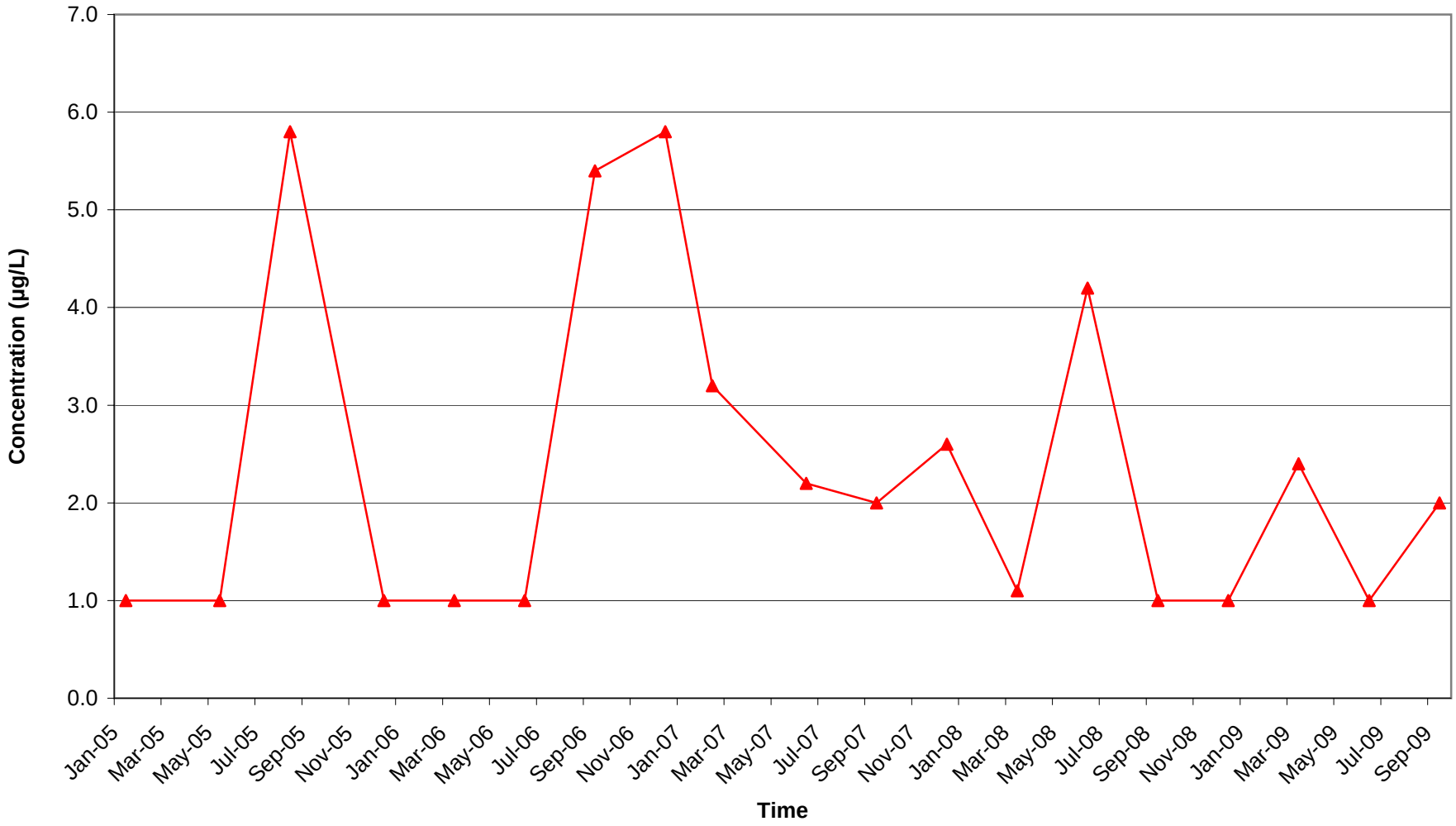
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-4D)

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



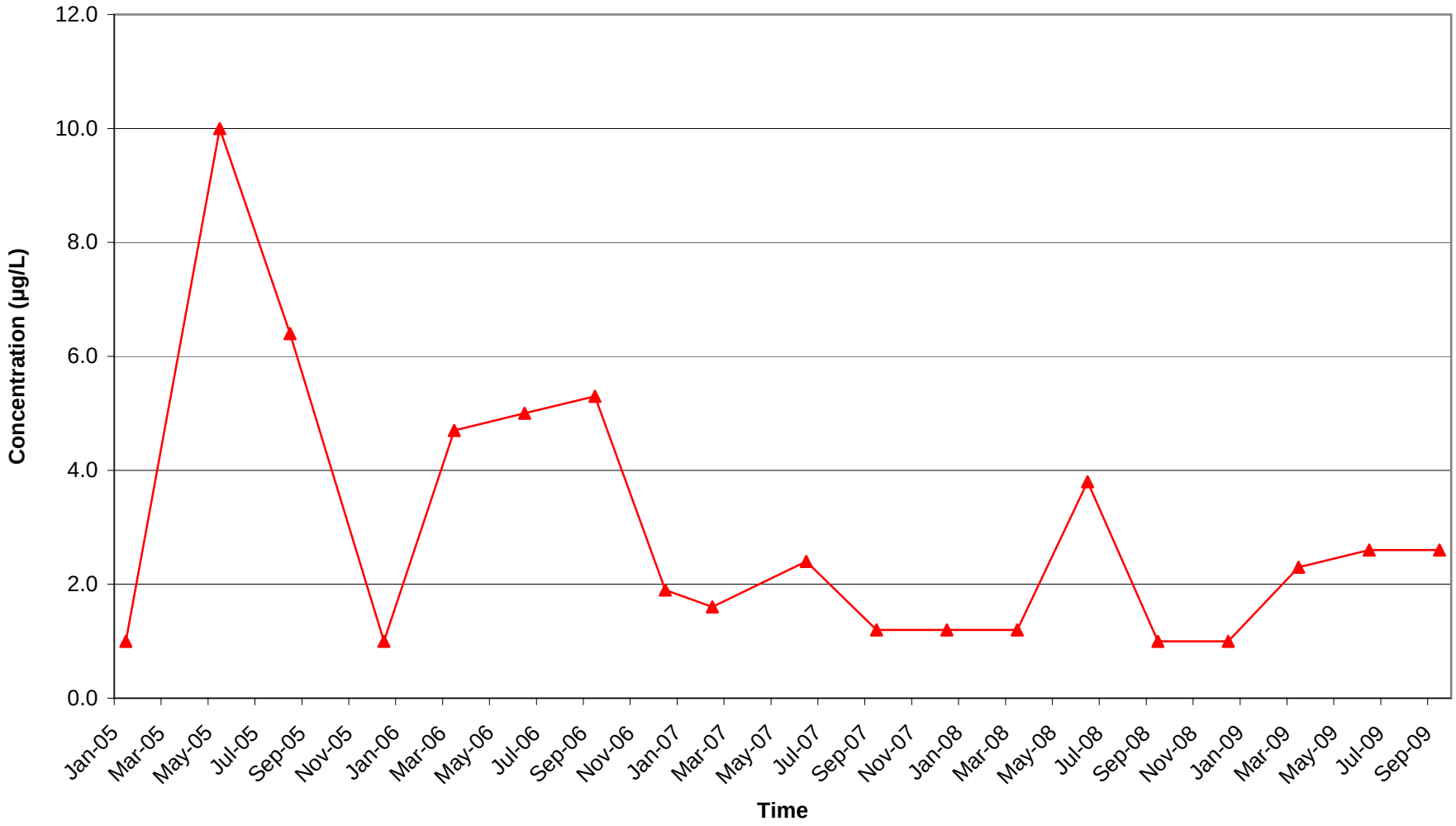
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-5S)

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



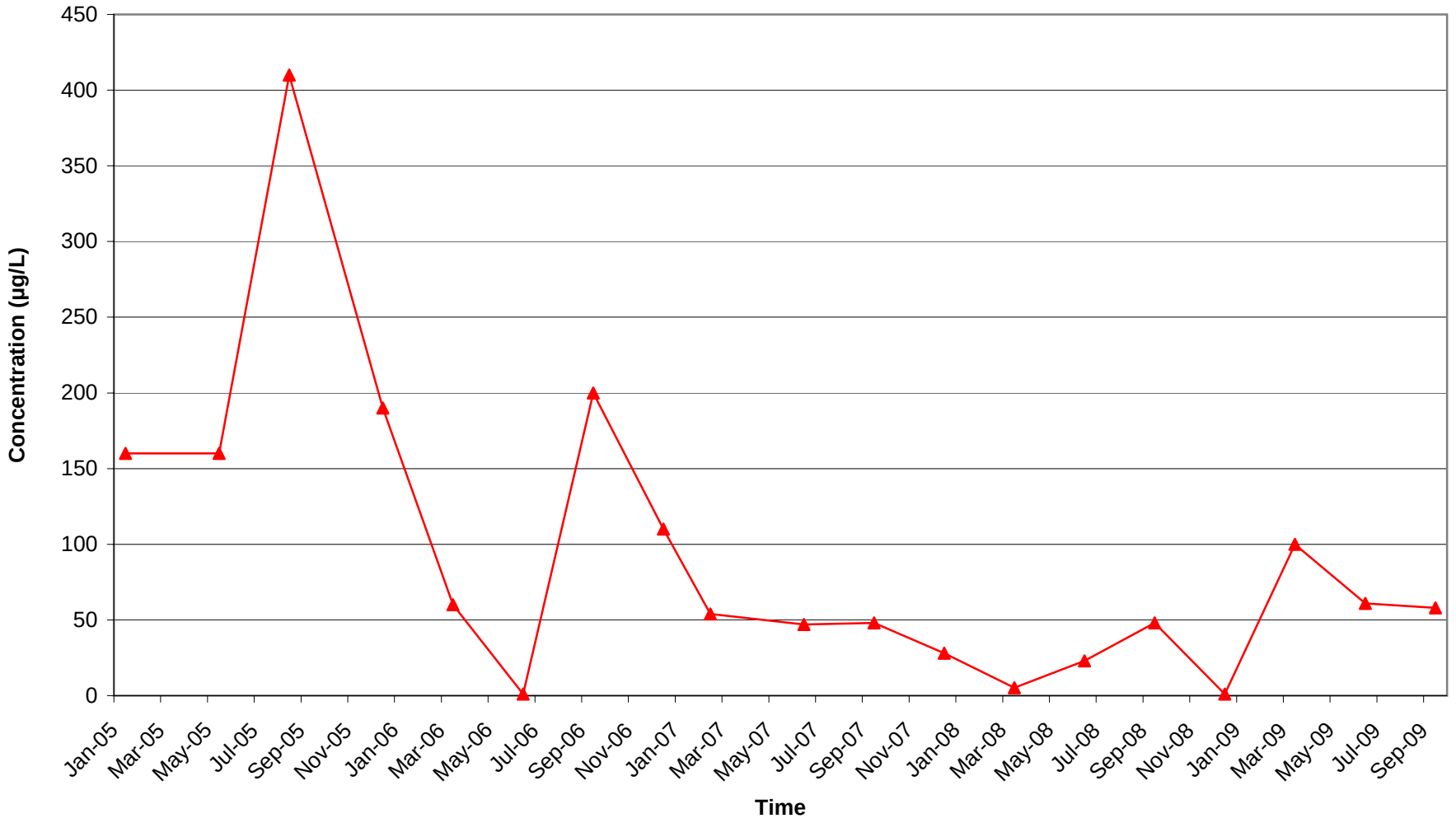
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-5D)

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



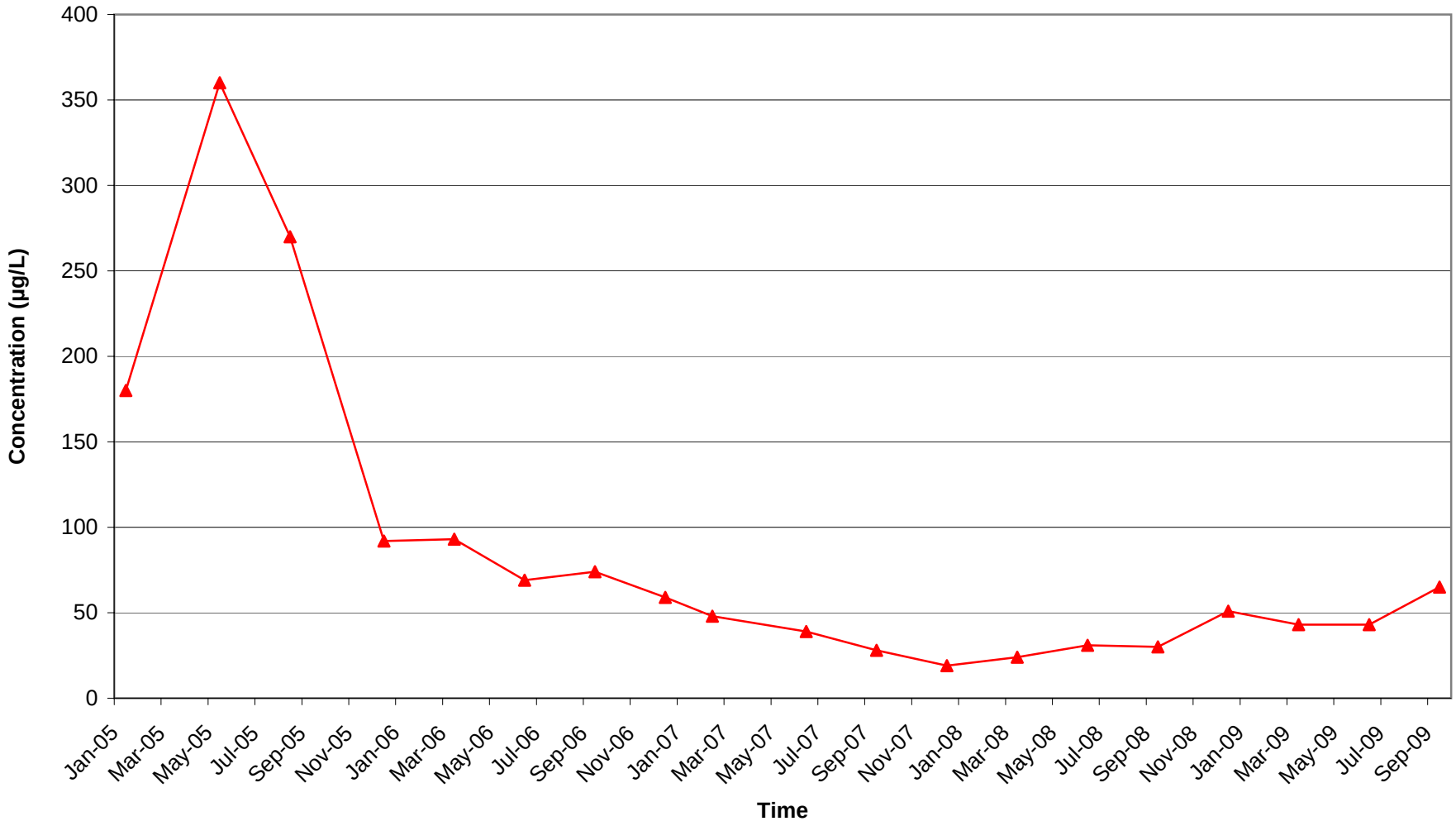
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-6S)

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



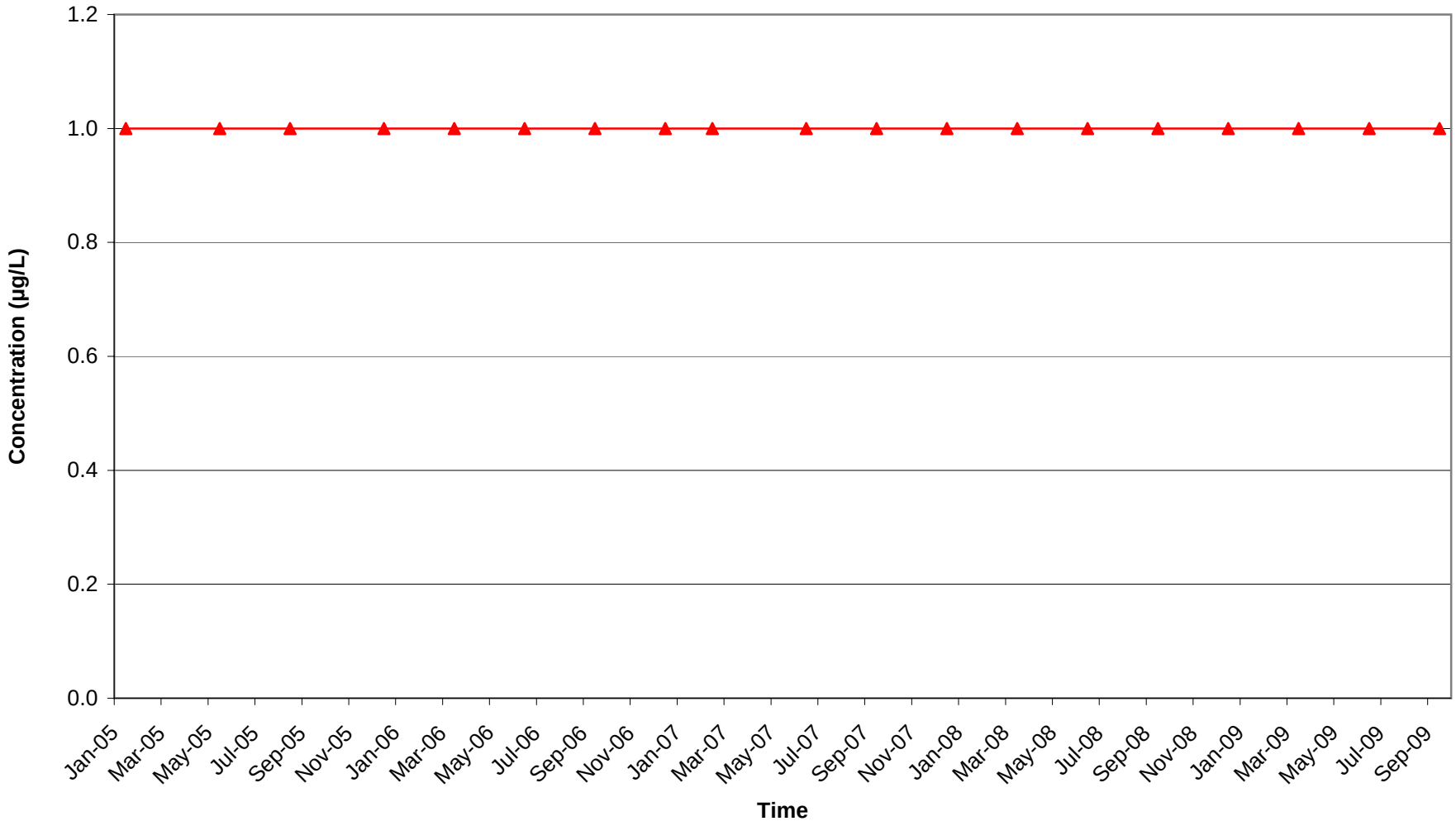
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-6D)

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



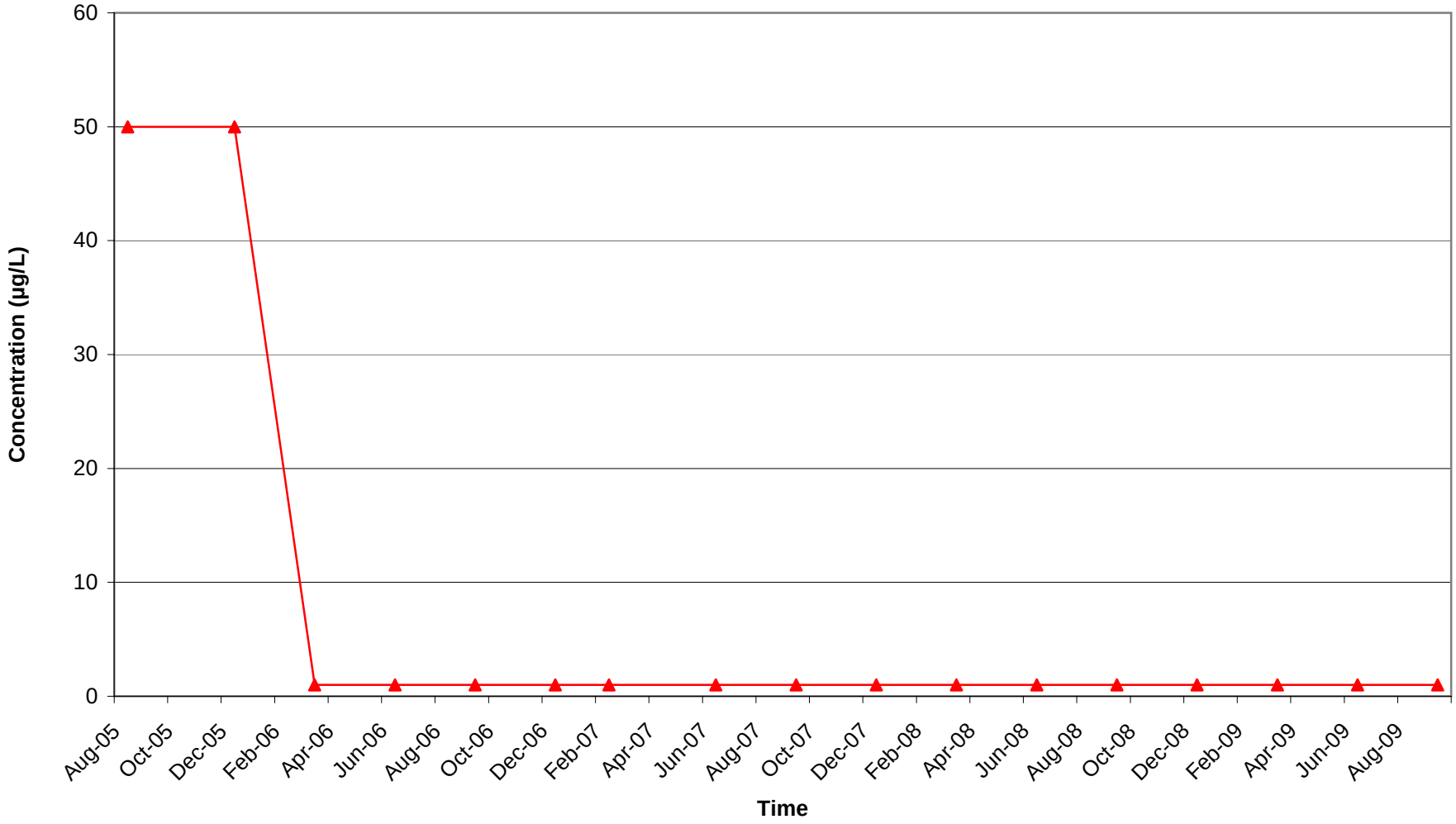
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-7S)

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



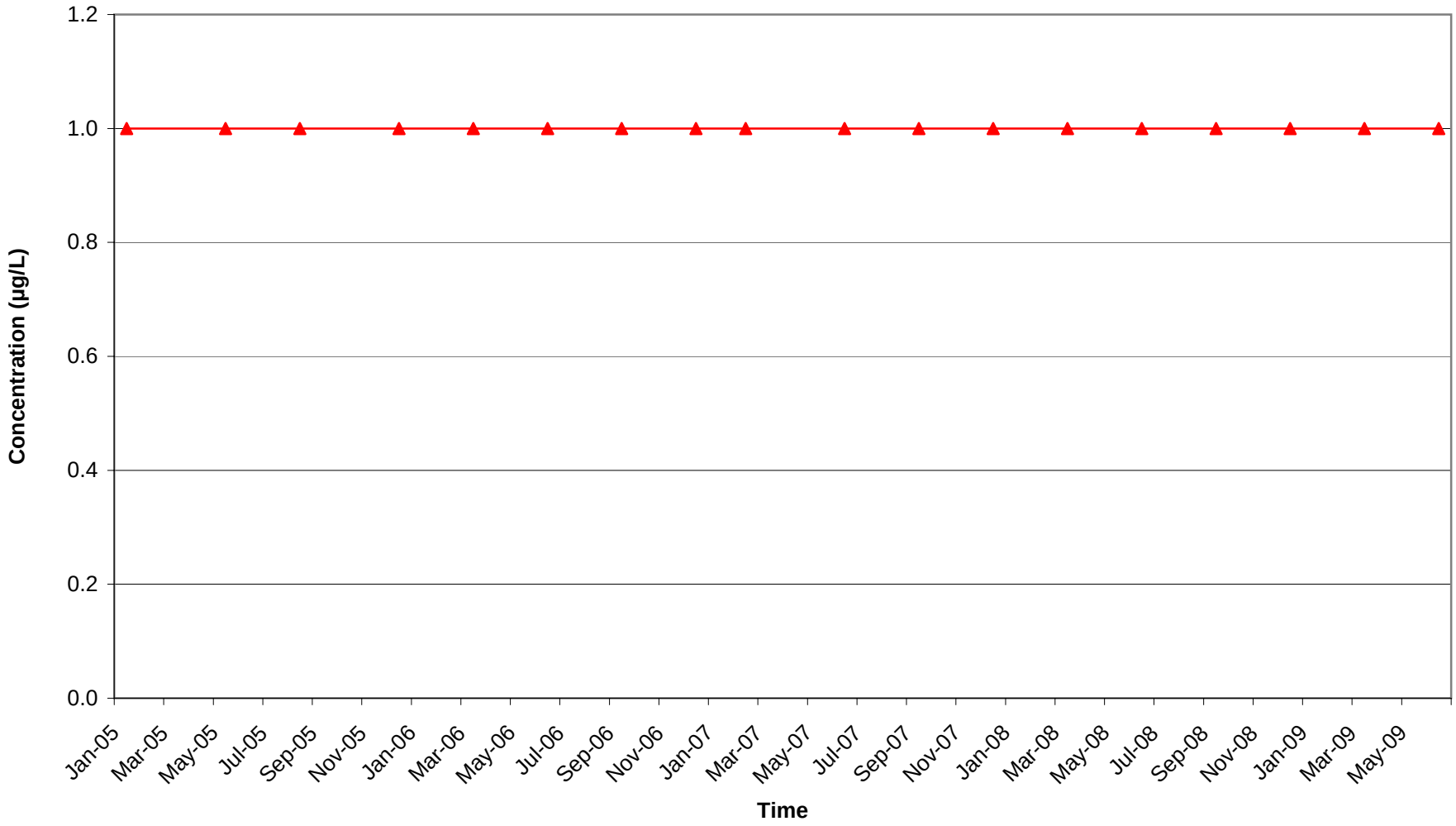
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-7D)

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



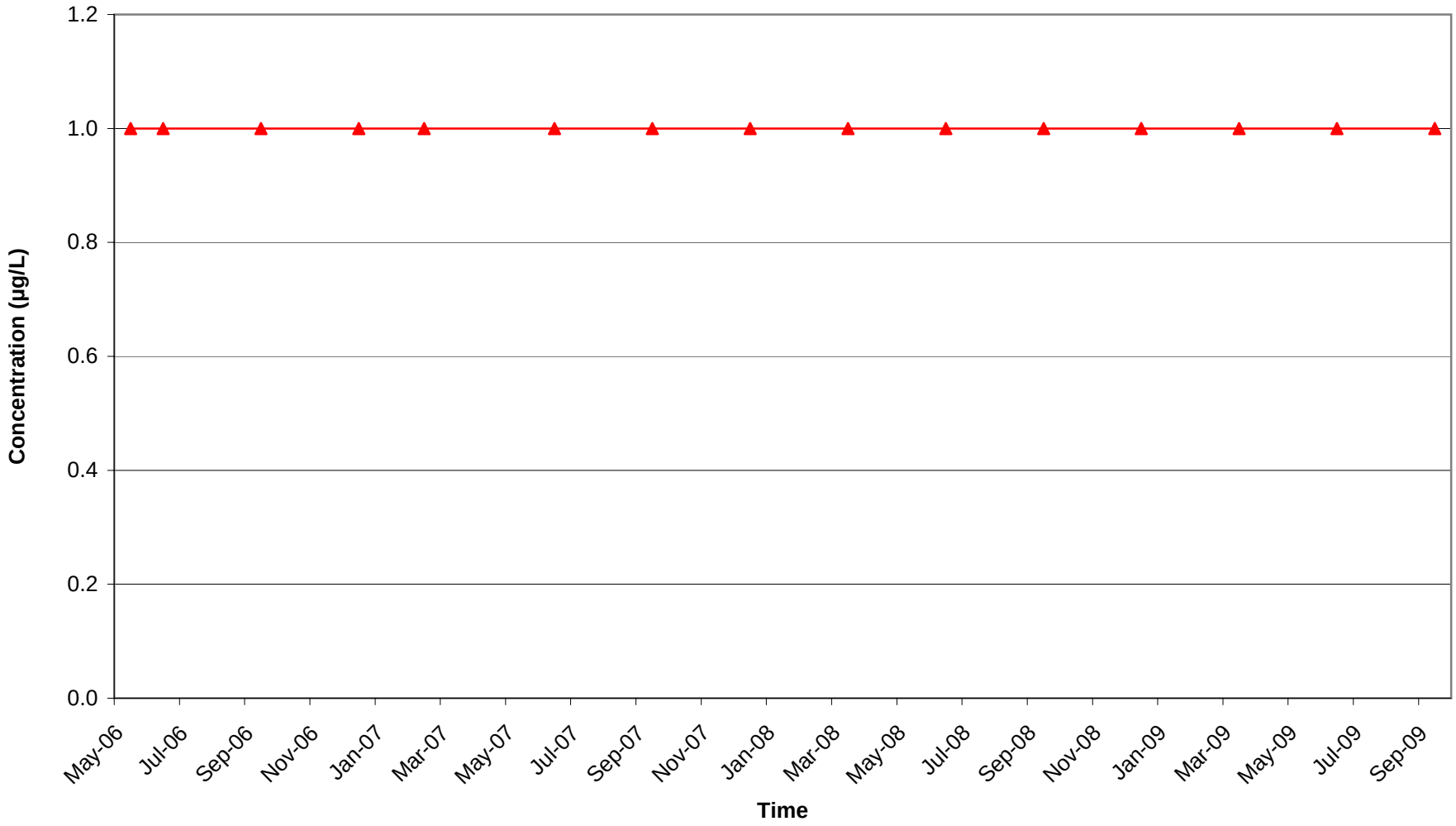
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-8)

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



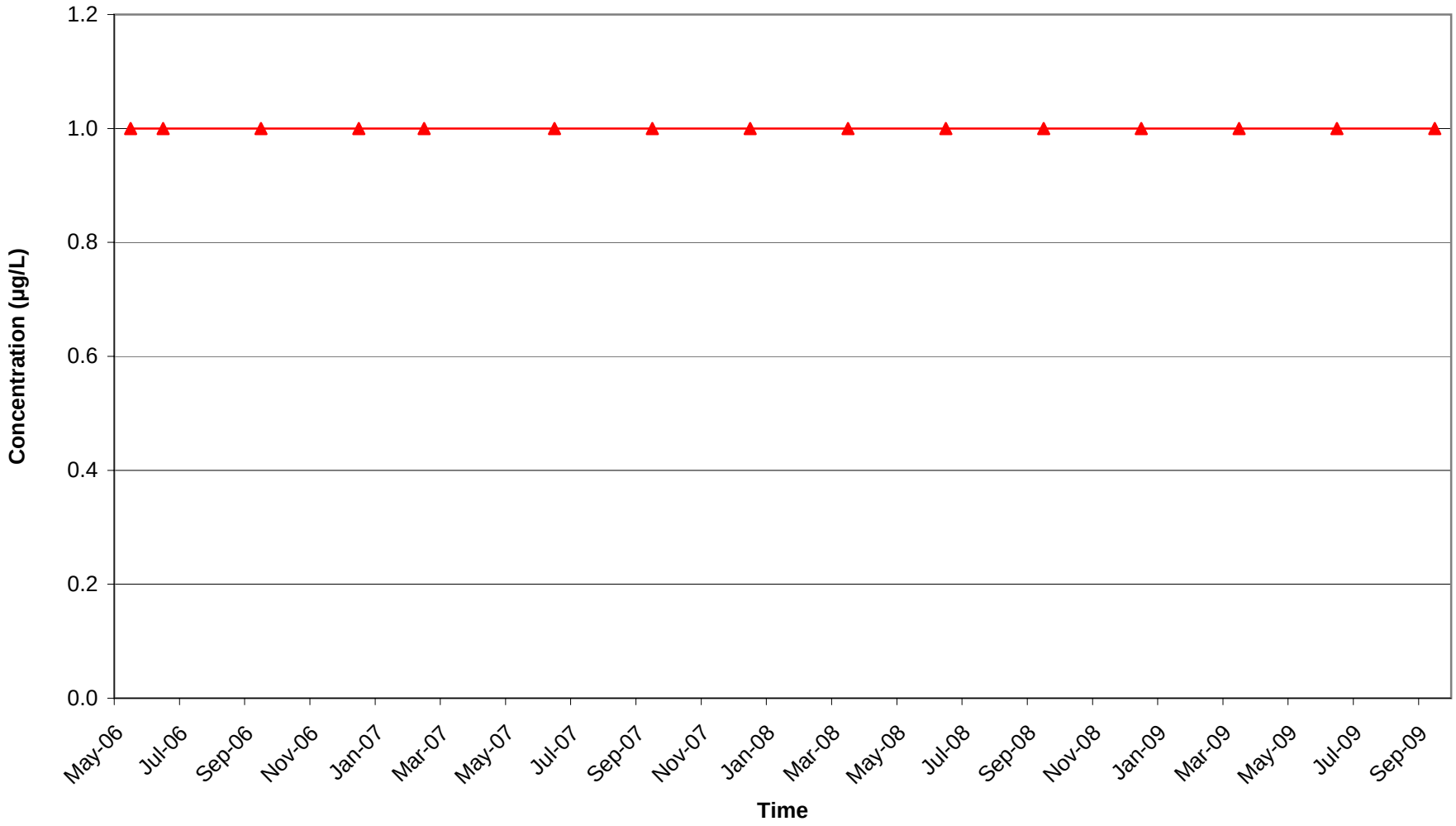
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-9S)

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



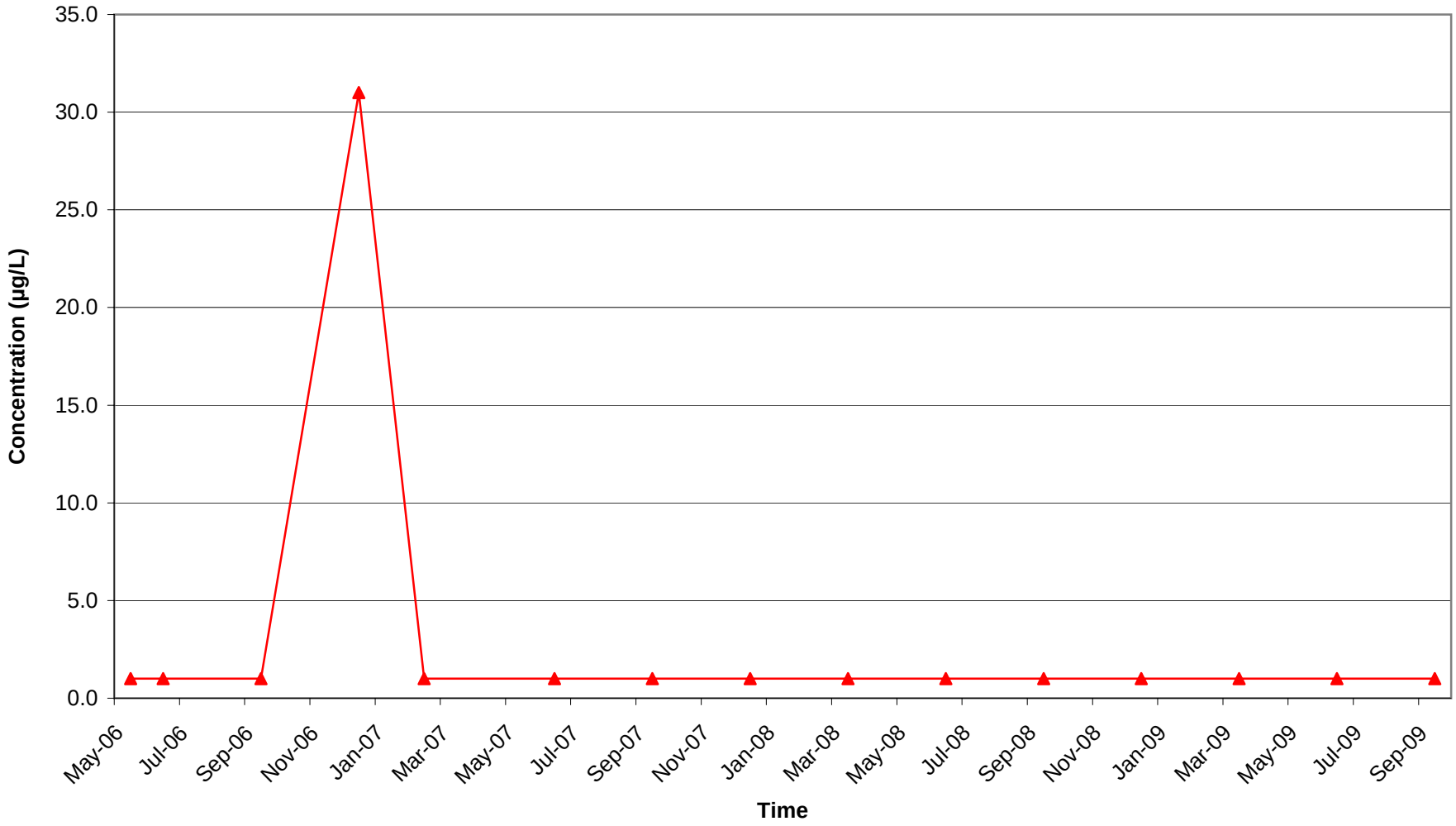
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-9D)

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



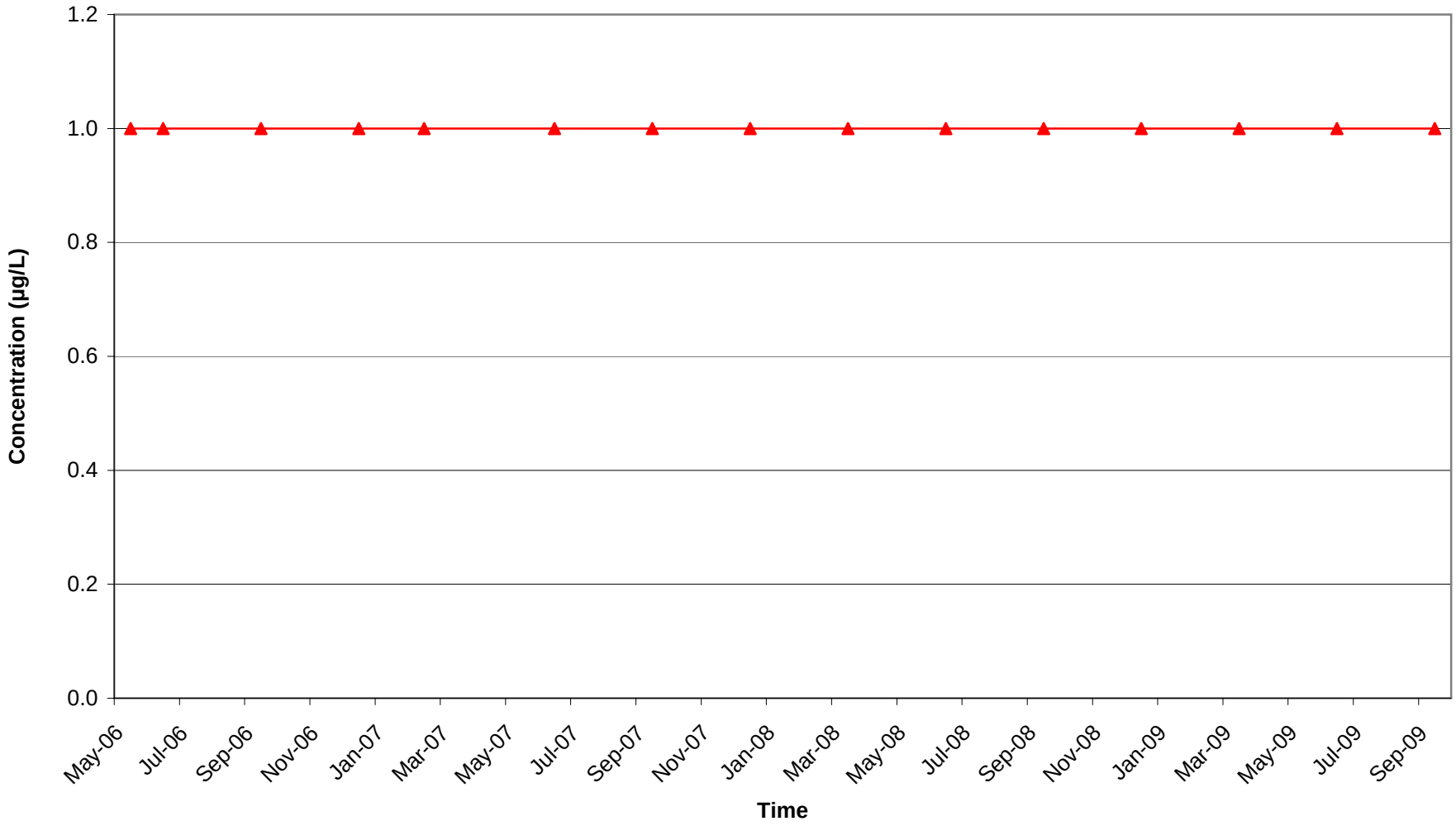
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-9LF)

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



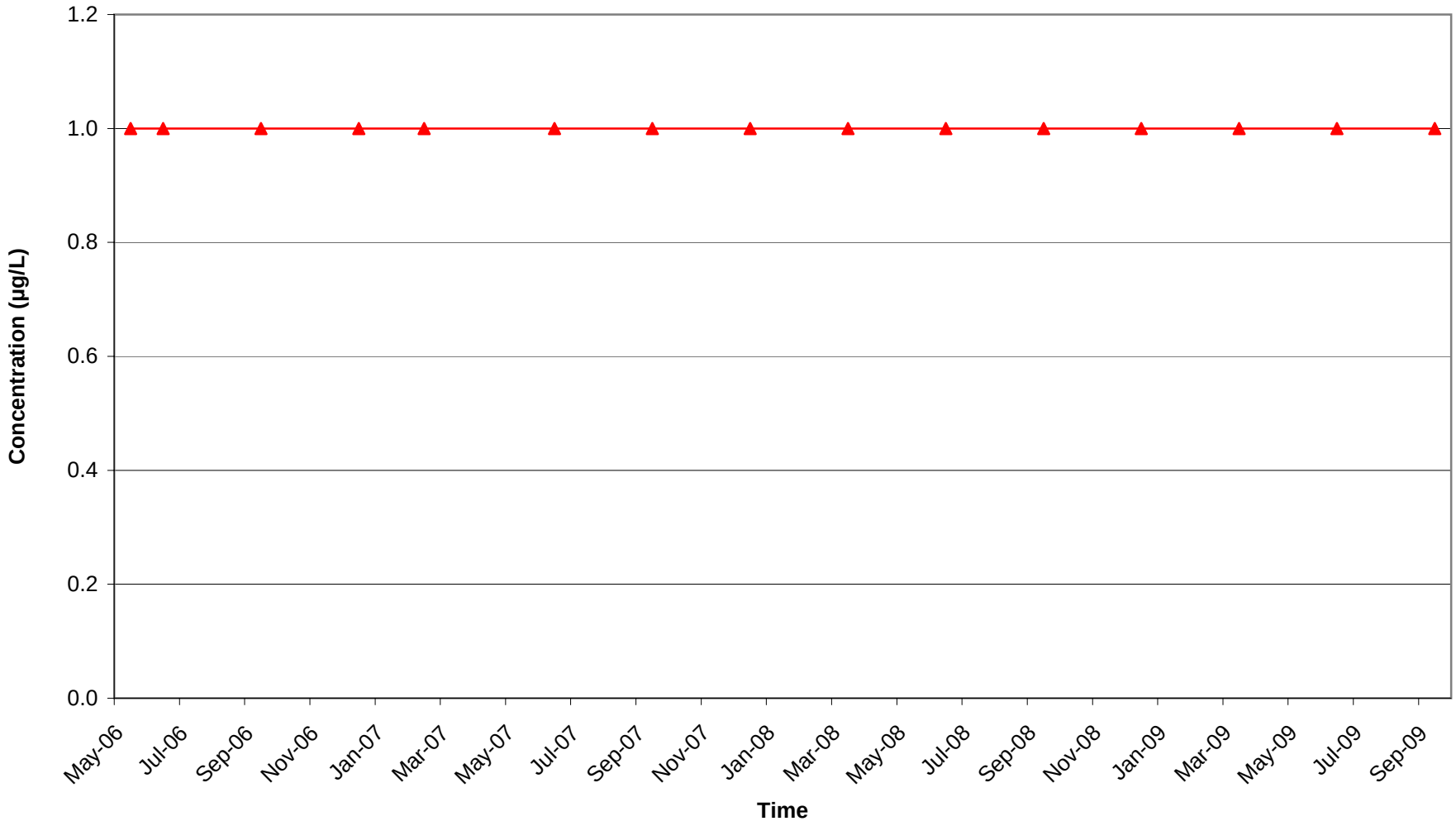
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-10S)

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



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

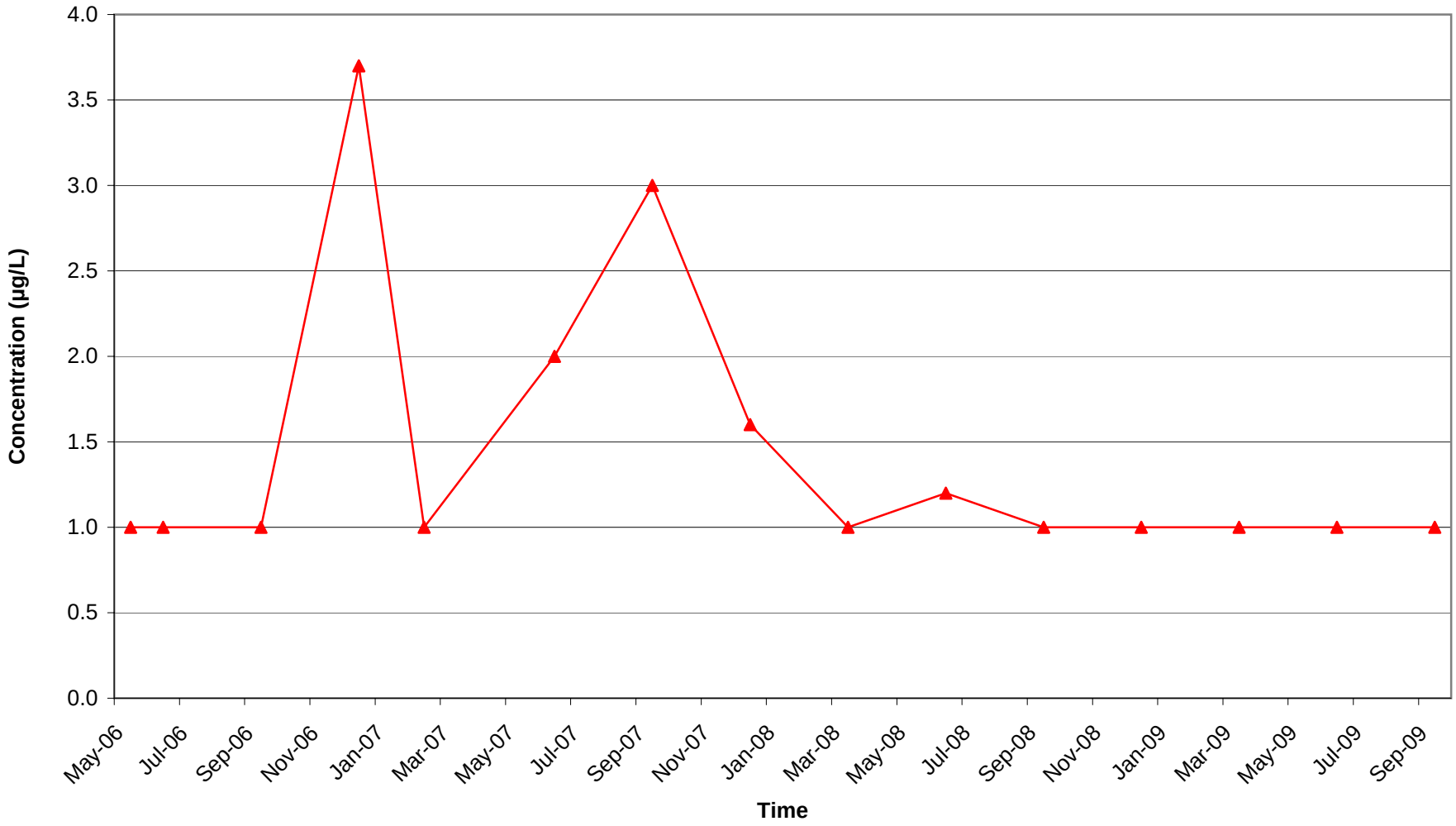
HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)
7999 ATHENOUR WAY, SUNOL, CALIFORNIA



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

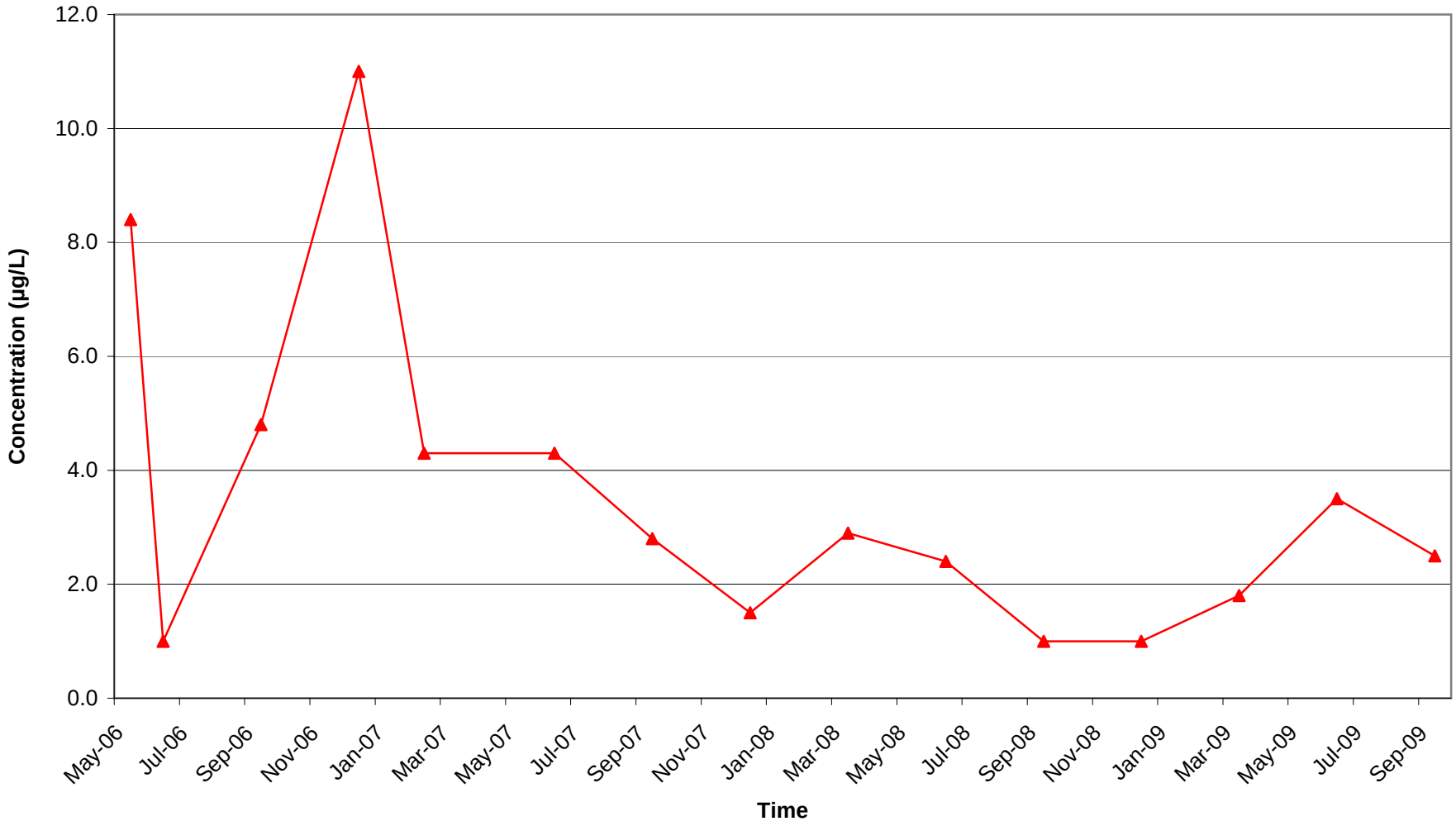
HANSON AGGREGATES (FORMALLY MISSION VALLEY ROCK CO.)

7999 ATHENOUR WAY, SUNOL, CALIFORNIA



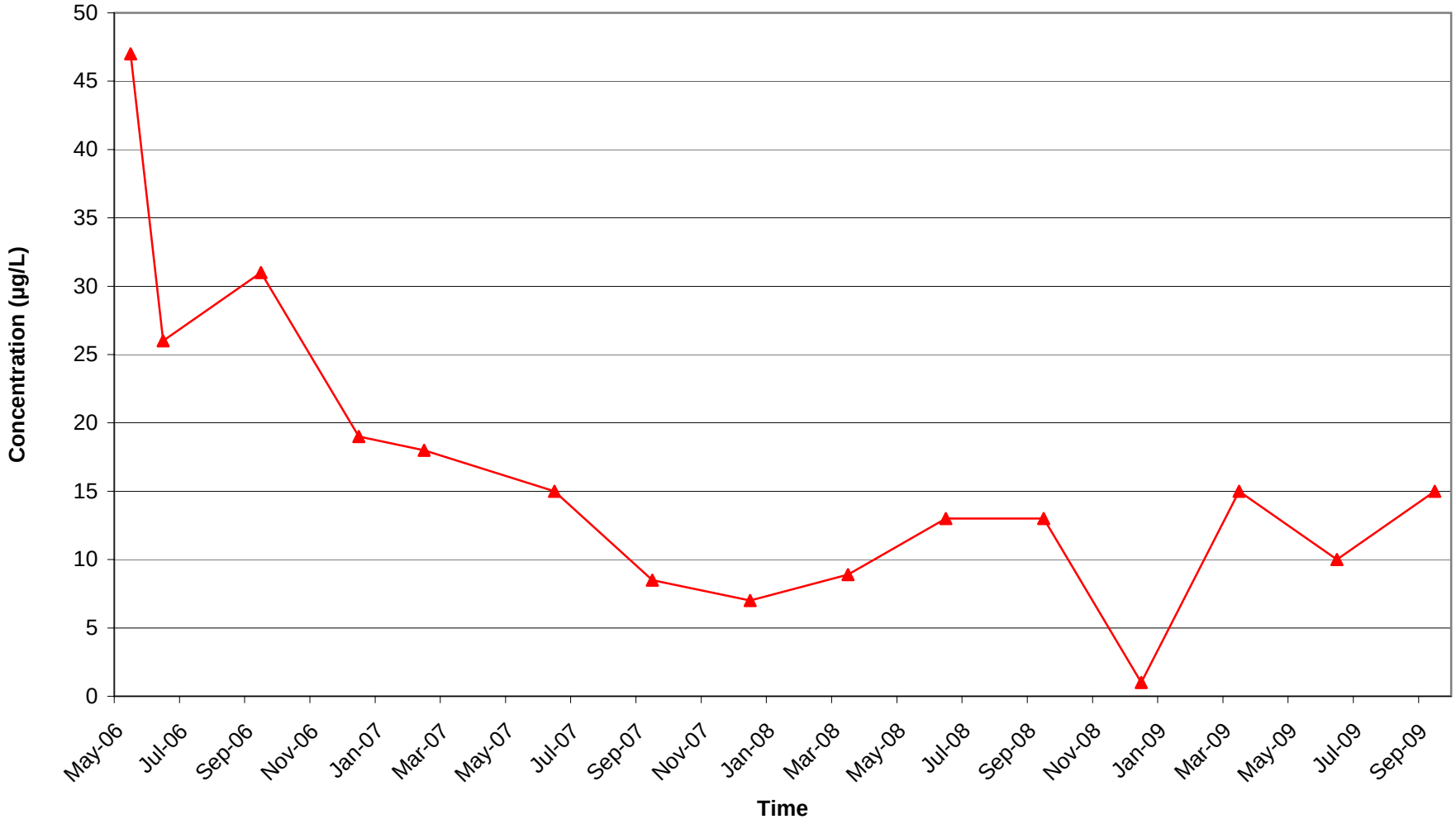
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-11S)

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



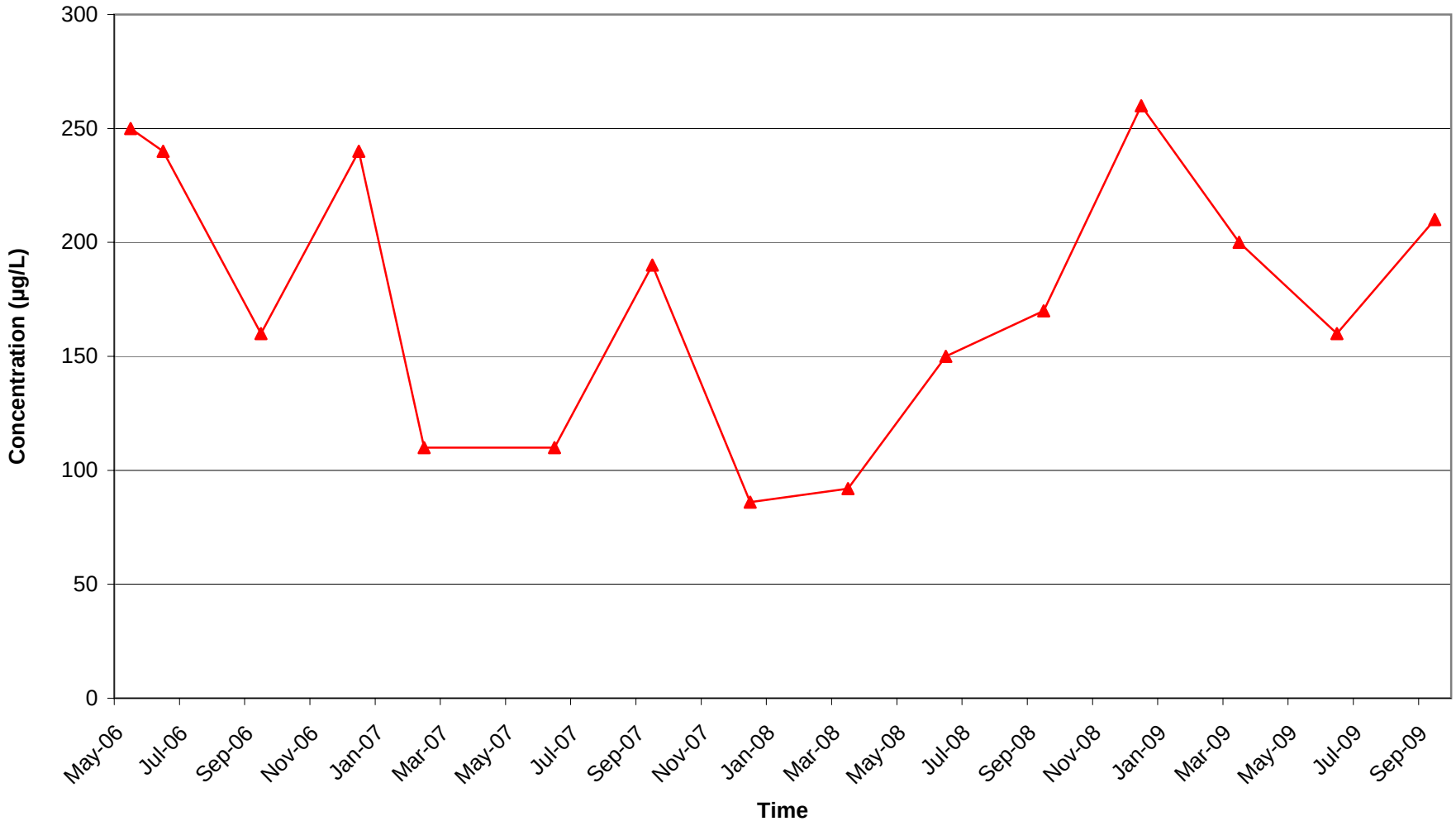
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-11D)

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



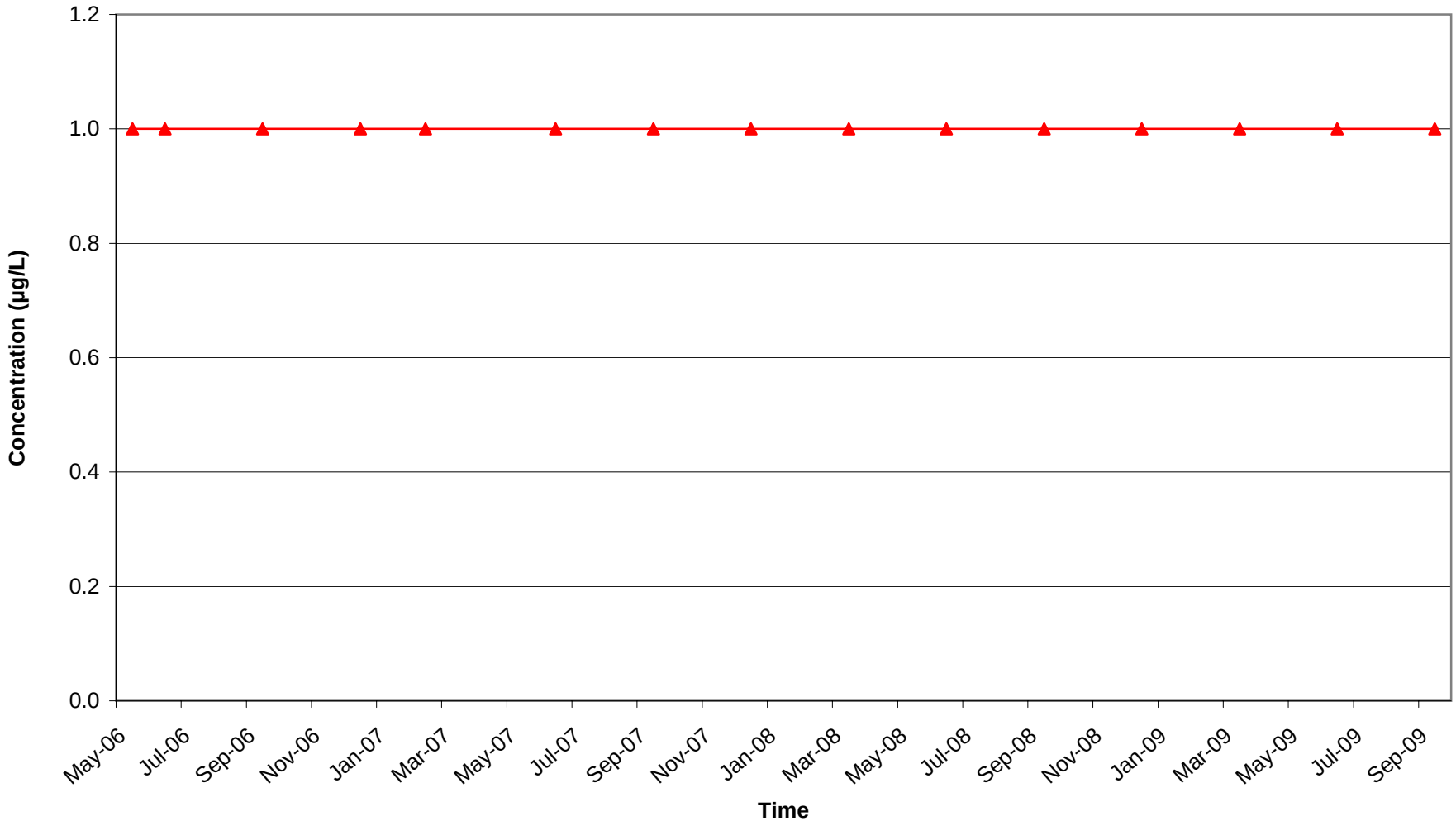
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-11LF)

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



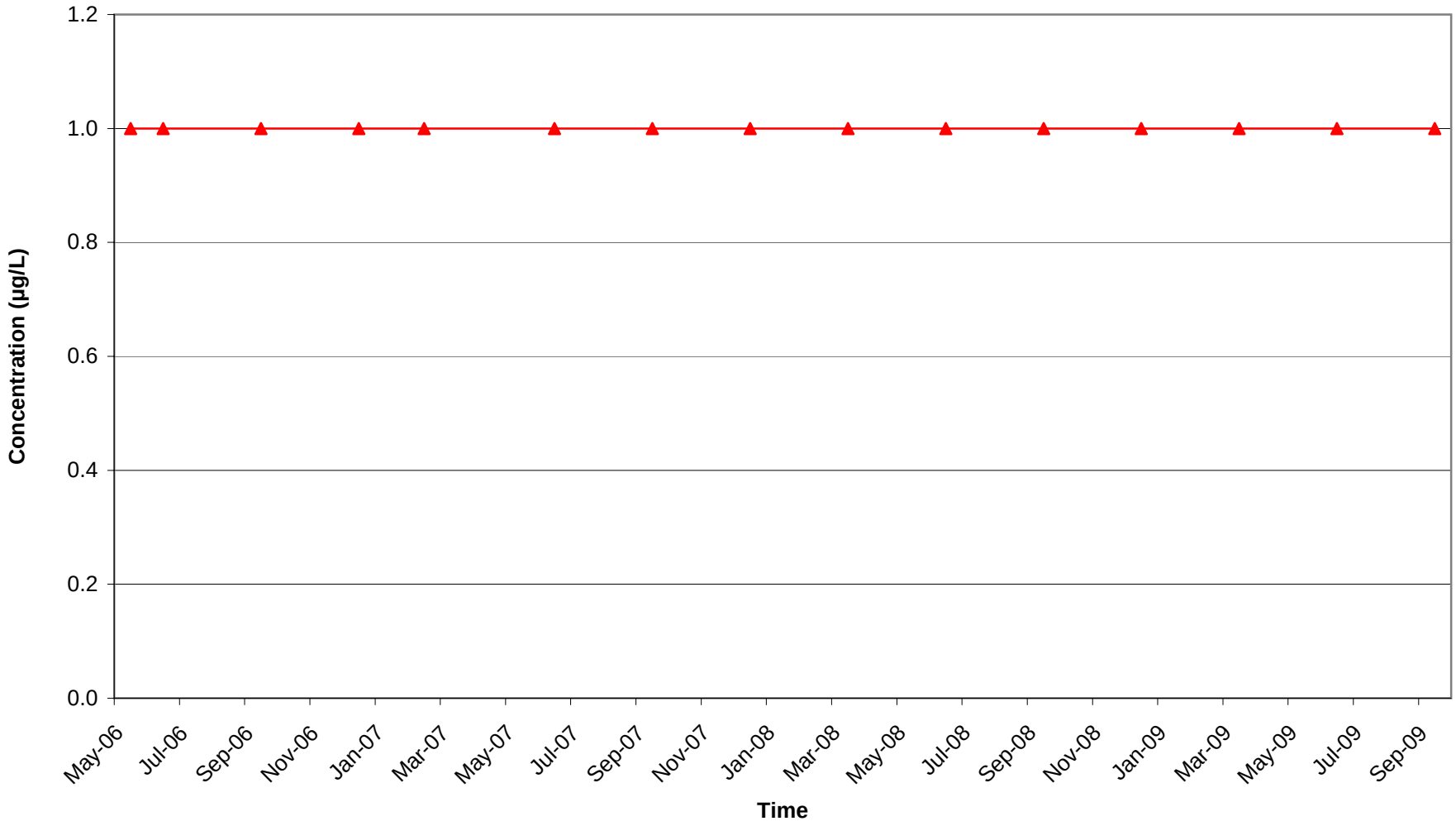
CONCENTRATIONS OF MTBE IN GROUNDWATER VS. TIME (MW-12S)

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