TAIT ENVIRONMENTAL MANAGEMENT, INC.
Engineering • Environmental • Compliance

January 23, 2006

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

SUBJECT: FOURTH QUARTER 2005
GROUNDWATER MONITORING AND SAMPLING REPORT
MISSION VALLEY ROCK COMPANY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

Dear Mr. Wickham,

Please find enclosed Tait Environmental Management's *Fourth Quarter 2005 Groundwater Monitoring and Sampling Report* on the above referenced site. If you have any questions, please don't hesitate to contact the undersigned at (714) 560-8200.

Sincerely,

TAIT ENVIRONMENTAL MANAGEMENT

Paul N. McCarter, PG, CHG, REA II
Senior Project Manager

Cc: Mr. Mort Calvert, Mission Valley Rock
Mr. Steve Zacks, Hanson Aggregates Mid-Pacific, Inc.

Fourth Quarter 2005
Groundwater Monitoring and Sampling Report

Mission Valley Rock Company
7999 Athenour Way
Sunol, California

Prepared by:
Tait Environmental Management, Inc.

January 23, 2006

January 23, 2006

Fourth Quarter 2005
Groundwater Monitoring and Sampling Report

Mission Valley Rock Company
7999 Athenour Way
Sunol, California

Prepared for:

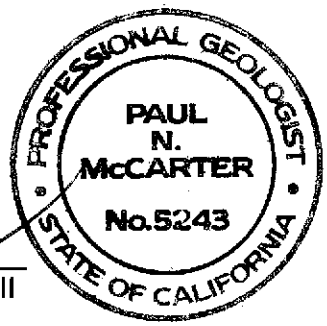
Mr. Mort Calvert
Mission Valley Rock Company
7999 Athenour Way
Sunol, California 94586

Prepared by:

Kevin D. Lambert
Staff Scientist

Reviewed by:

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



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

Project No. EM-5009B

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Fourth Quarter 2005
Groundwater Monitoring and Sampling Report
Mission Valley Rock Company
Sunol, California

1.0 INTRODUCTION

This report summarizes the Fourth Quarter 2005 groundwater monitoring and sampling event conducted at the Mission Valley Rock Company (Site) located at 7999 Athenour Way in Sunol, California (Figure 1). The wells were sampled as part of the Fourth Quarter 2005 groundwater monitoring and sampling program.

2.0 OBJECTIVE AND SCOPE OF WORK

The objective of the proposed scope of work was to monitor and sample the existing groundwater monitoring wells at the Site.

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

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

3.0 BACKGROUND

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

In June of 2000, TEM assumed the contract for environmental services at the Site. In December of 2002, eight soil borings (TB-1 through TB-8) were drilled and sampled at the Site using a direct-push rig. In January of 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. Groundwater monitoring well MW-2 was abandoned.

Quarterly groundwater monitoring and sampling have been conducted by TEM from the Fourth Quarter 2000 through the present.

4.0 SITE HYDROGEOLOGY

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

Drilling and sampling activities at the Site indicate that a clay layer is present below the surficial gravels to depths of 10 to 15 feet below ground surface (bgs), with the exception of the area at MW-2S/2M/2D, where the clay layer extends to a depth of 25 feet bgs (TEM, 2005). Soils below the clay layer to the maximum depth explored (30 feet bgs) consist primarily of gravelly sand and sandy gravel mixtures.

Based on the Fourth Quarter 2005 groundwater monitoring data, the depth to groundwater at the Site averaged 7.42 bgs. The apparent groundwater flow direction is to the southeast at a gradient of about 0.015 feet/foot (ft/ft). The flow direction is opposite to the regional northwestern groundwater flow direction in the Sunol Valley as reported by the Alameda County Health Care Services in their letter to Mission Valley Rock Company, dated November 3, 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 December 12th, 2005, 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 from the top of the well casing (representing the wellhead survey point). Prior to use at each well, the meter was decontaminated with a mild detergent solution and two de-ionized water rinses. Groundwater gauging and elevation data for the Fourth Quarter 2005 event are summarized in Table 1. Historical groundwater elevation data are summarized in Table 2. Groundwater sampling data sheets are presented in Appendix A.

On December 12th and 13th, 2005, the groundwater monitoring wells were sampled using a WaTerra inertial pump as part of the Fourth Quarter 2005 groundwater monitoring and sampling event. Approximately 65 gallons of purged groundwater were pumped into five steel 55-gallon drums during the sampling event. Groundwater samples were collected from the discharge end of the pump at low-flow levels and transferred into laboratory-supplied containers. Care was taken to ensure that no headspace was allowed into the containers.

Integrated Waste Management of Milpitas, California provided pick-up services for the drummed purge water generated by the monitoring activities. The drums were transported and disposed as non-hazardous water at Seaport Refining & Environmental in Redwood City, California on January 20, 2005. The Certificate of Disposal is contained in Appendix B.

Groundwater samples were collected from 14 wells. They 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 for chemical analysis.

6.0 LABORATORY ANALYSES

The groundwater samples collected during the Fourth Quarter 2005 groundwater monitoring and sampling event were analyzed for:

- The diesel and gasoline fractions of Total Petroleum Hydrocarbons (TPH-d and TPH-g, respectively) using EPA Method No. 8015M.

- Volatile Organic Compounds (VOC's), including benzene, toluene, ethylbenzene, total xylenes (BTEX), 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.

Dissolved-phase TPH-g concentrations in the shallow groundwater zone are presented in Figure 4, and deep-zone TPH-g concentrations are contoured in Figure 5. A maximum benzene concentration of 640 micrograms per liter (µg/L) was detected in MW-7D. A maximum shallow MTBE concentration of 190 µg/L was detected in MW-6S, and dissolved-phase MTBE concentrations in shallow-zone wells are contoured in Figure 6. A maximum MTBE concentration in the deep-zone wells was 92 µg/L in MW-6D. Deep-zone MTBE isoconcentration contours are presented in Figure 7.

Fourth Quarter 2005 groundwater analytical results are summarized in Table 3, and a copy of the laboratory analytical report is presented in Appendix C. Historical groundwater analytical results are summarized in Table 4.

7.0 SUMMARY OF ACTIVITIES AND FINDINGS

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

- Based on the depth to water measurements obtained by TEM, groundwater levels averaged 7.42 feet bgs. The groundwater flow direction is to the southeast at a gradient of approximately 0.015 ft/ft.

- Fourteen (14) groundwater samples were collected from the monitoring wells at the Site, and they were delivered to SunStar for analysis.

- A maximum TPH-d concentration of 150,000 µg/L was detected in well MW-7D.

- A maximum TPH-g concentration in groundwater of 1,300,000 µg/L was detected in well MW-7D.

- A maximum benzene concentration of 640 µg/L was detected in well MW-7D.

- A maximum MTBE concentration of 190 µg/L was detected in well MW-6S.

Based on groundwater sampling data, the BTEX concentrations were low except in well MW-7D, and fuel oxygenates other than MTBE were not detected above laboratory detection limits.

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

9.0 LIMITATIONS

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

10.0 REFERENCES

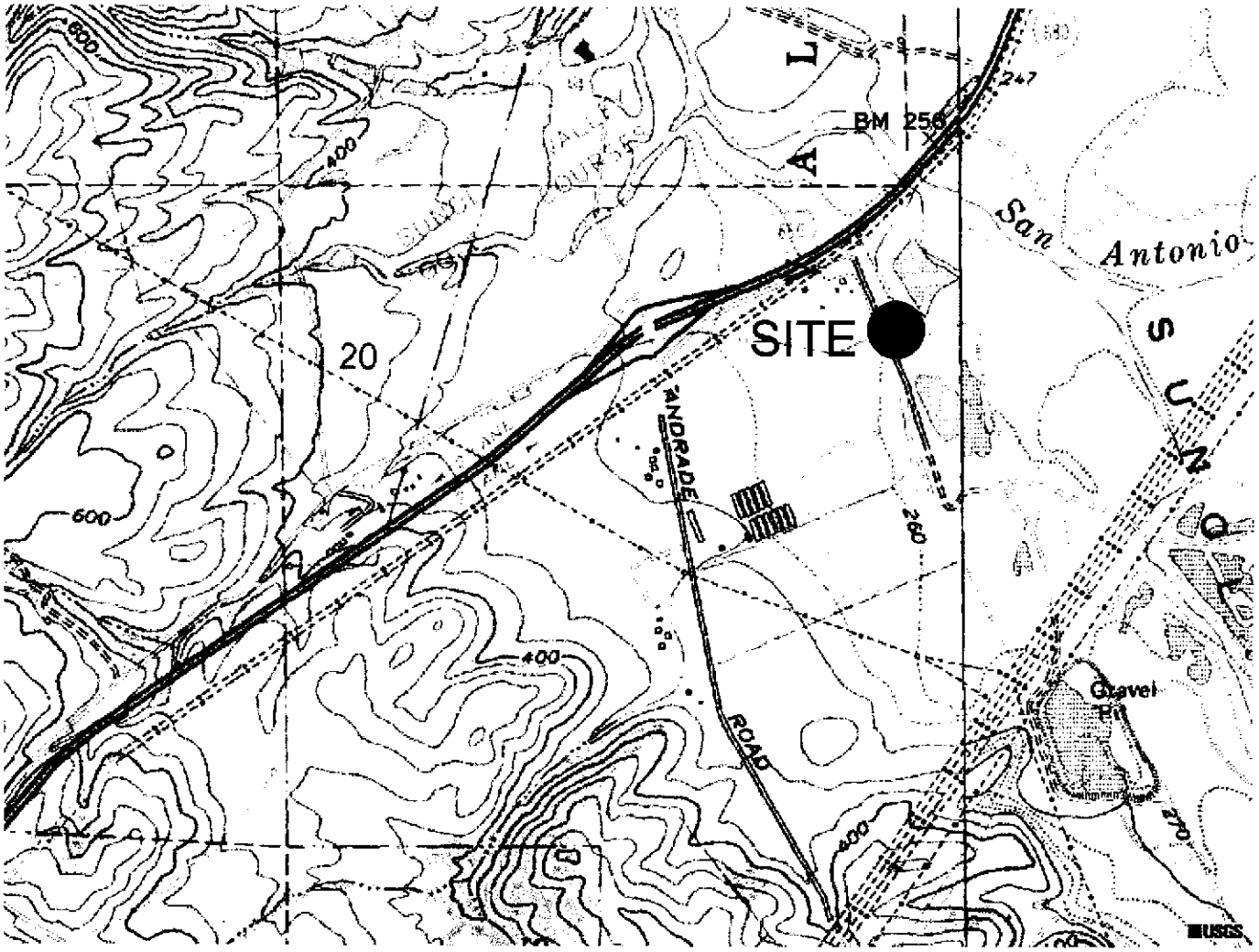
Alameda County Health Care Services, November 3, 2005, *Fuel Leak Case No. RO0000207,* Mission Valley Rock and Asphalt, 7999 Anthenour Way, CA.

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

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

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

M:\TEM\TEM 2006\Clients-TEM\Mission Valley Rock Company\GW Monitoring 4th Qtr 2005\MVR 4th Qtr Report 2005.doc



NORTH

0 2000

1" = 2000'

NOTES:

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

701 NORTH PARKCENTER DRIVE
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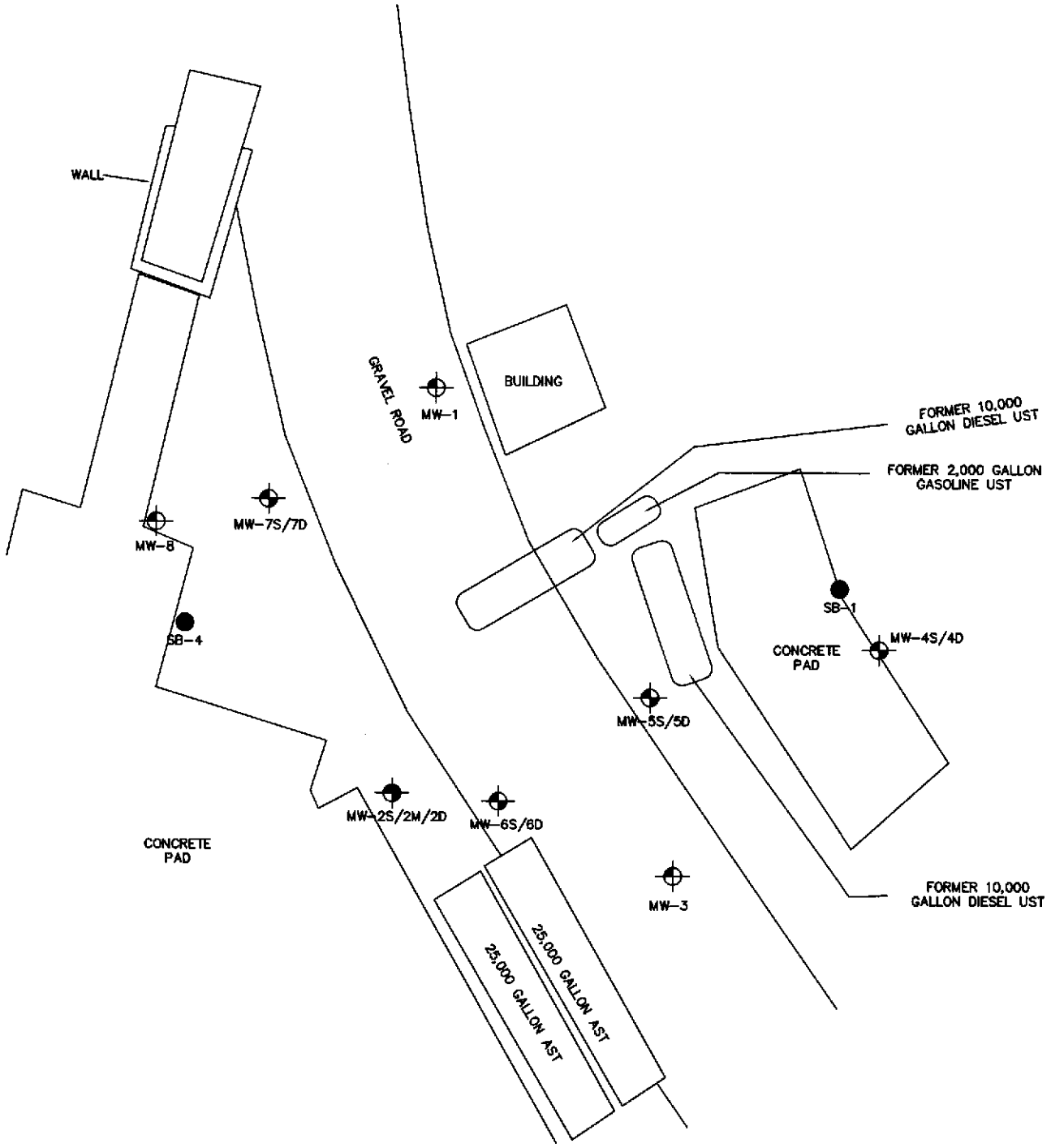
ENVIRONMENTAL MANAGEMENT, INC.

SITE VICINITY MAP

MISSION VALLEY ROCK CO.
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

PROJECT NO. EM-5009	FIGURE 1

M:Tem2\Clients\Mission Valley Rock\GW Monitoring 4th Qtr 2000\Mission Valley Rock - Figure 1



Legend:

- Groundwater Monitoring Well – Single Completion
  MW-1
- Groundwater Monitoring Well – Dual Nested
  MW-7S/7D
- Groundwater Monitoring Well – Triple Nested
  MW-2S/2M/2D
- Soil Boring
  MW-1

0 30

SCALE: 1 INCH=30 FEET

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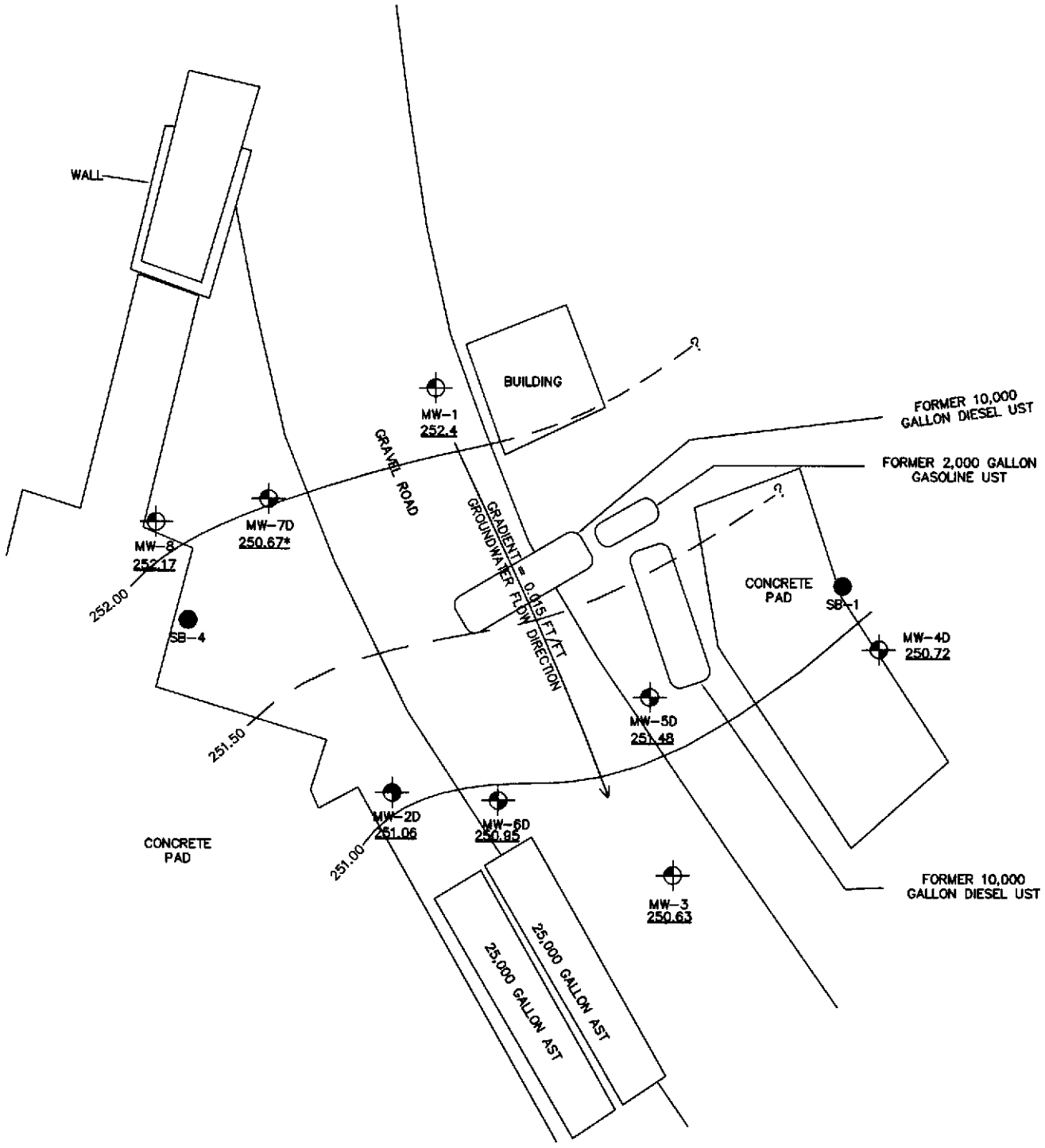
SITE PLAN

MISSION VALLEY ROCK
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

PROJECT NO. EM-50098 | FIGURE 2

M:\TEM2\Clients\Mission Valley Rock\GW Monitoring 2nd Qtr 2005\Site Plan from Survey Fig 2 08/02/05



Legend:

- MW-1 — GROUNDWATER MONITORING WELL – SINGLE COMPLETION
- MW-7S/7D — GROUNDWATER MONITORING WELL – DUAL NESTED
- MW-2S/2M/2D — GROUNDWATER MONITORING WELL – TRIPLE NESTED
- MW-1 252.4 — GROUNDWATER MONITORING WELL WITH GROUNDWATER ELEVATION IN FOOT ABOVE MEAN SEA LEVEL
- MW-7D 250.67* — GROUNDWATER ELEVATION NOT USED FOR CONTOURING
- SB-1 — TEMPORARY SOIL BORING

0 30

SCALE: 1 INCH=30 FEET

GROUNDWATER GAUGED ON DECEMBER 12, 2005

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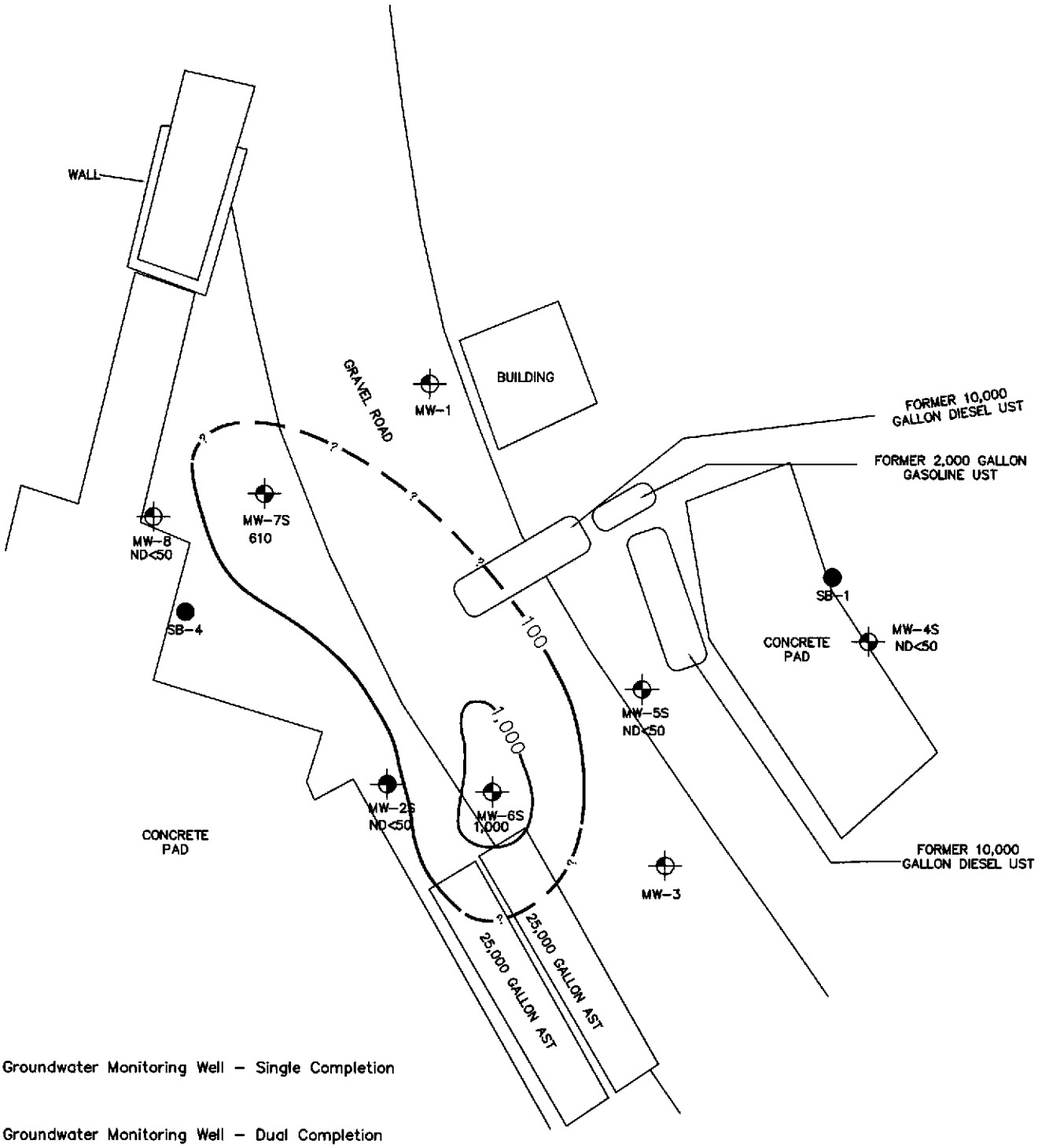
FOURTH QUARTER 2005 GROUNDWATER CONTOUR MAP (DEEP ZONE)

MISSION VALLEY ROCK
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

PROJECT NO. EM-5009B | FIGURE 3



Legend:

MW-1 — Groundwater Monitoring Well – Single Completion

MW-4S — Groundwater Monitoring Well – Dual Completion

MW-2S — Groundwater Monitoring Well – Triple Completion

MW-2S 120 — GROUNDWATER MONITORING WELL WITH TPH-G CONCENTRATION MICROGRAMS PER LITER (ug/L)

TPH-G CONCENTRATION CONTOUR

SB-4 — TEMPORARY SOIL BORING

0 30

SCALE: 1 INCH=30 FEET

GROUNDWATER SAMPLES COLLECTED ON DECEMBER 12 & 13, 2005

M:\TEM\TEM 2006\Clients-TEM\Mission Valley Rock Company\GW Monitoring 4th Qtr 2005\Figures\TPH-G Contours Shallow Fig 4 01/12/06

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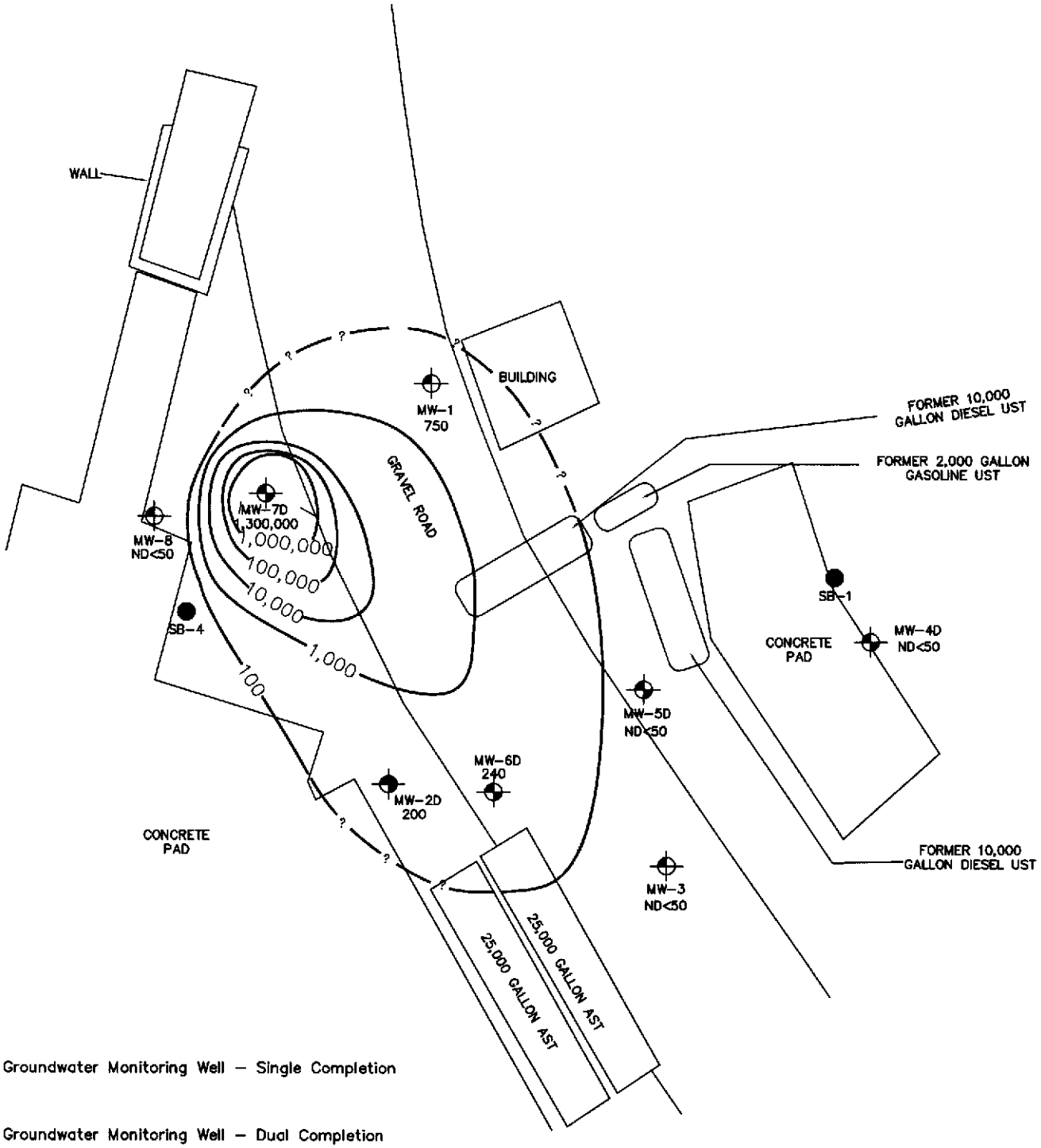
4TH QUARTER 2005 TPH-G CONCENTRATIONS IN GROUNDWATER (SHALLOW ZONE)

MISSION VALLEY ROCK
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

PROJECT NO. EM-5009B | FIGURE 4



Legend:

MW-1 — Groundwater Monitoring Well – Single Completion

MW-4D — Groundwater Monitoring Well – Dual Completion

MW-2D — Groundwater Monitoring Well – Triple Completion

MW-2D 410 — GROUNDWATER MONITORING WELL WITH TPH-G CONCENTRATION MICROGRAMS PER LITER (ug/L)

TPH-G CONCENTRATION CONTOUR

SB-4 — TEMPORARY SOIL BORING

0 30

SCALE: 1 INCH=30 FEET

GROUNDWATER SAMPLES COLLECTED DECEMBER 12 & 13, 2005

M:\TEM\TEM 2006\Clients-TEM\Mission Valley Rock Company\GW Monitoring 4th Qtr 2005\Figures\TPH-G Contours Deep Fig 5 01/13/06

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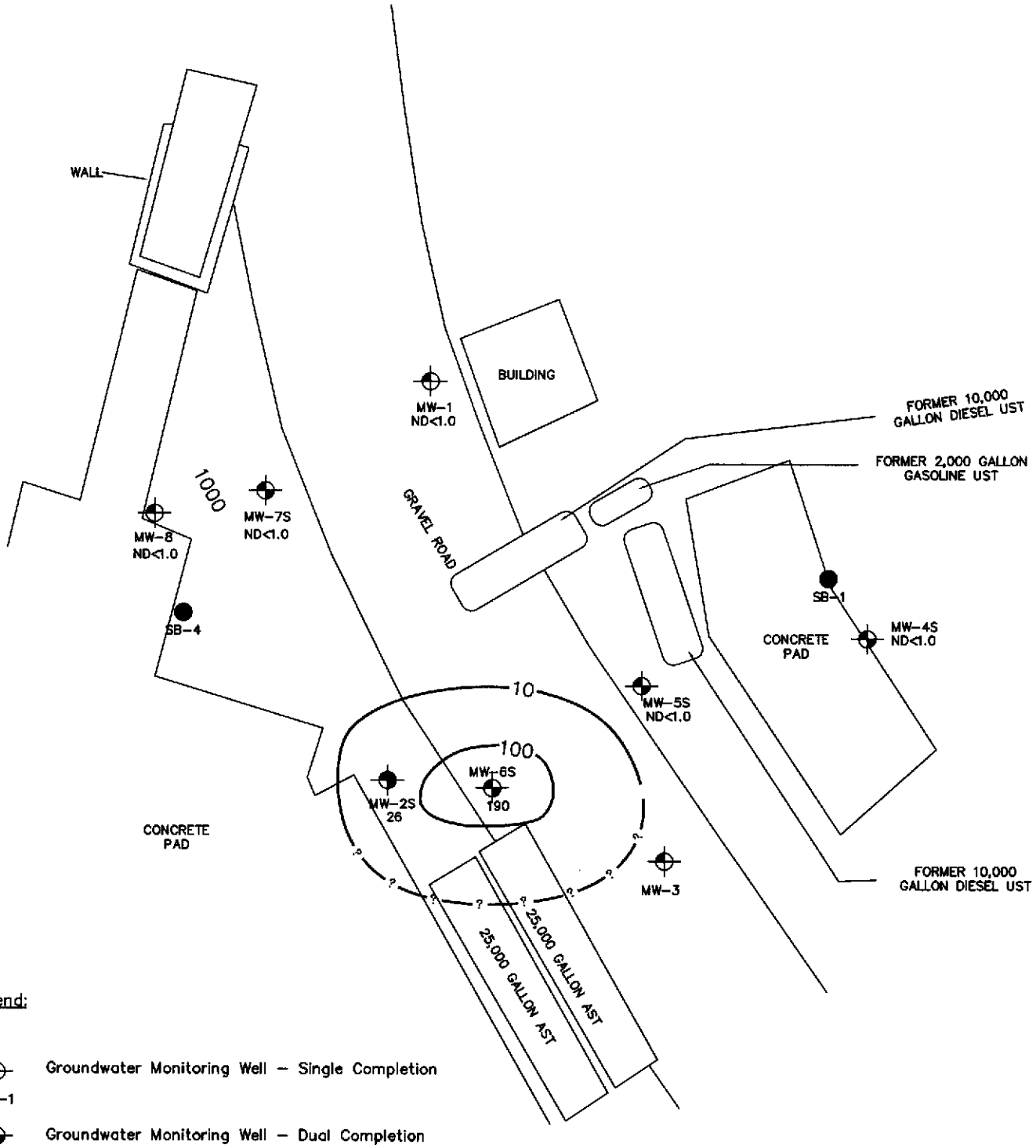
4TH QUARTER 2005
TPH-G CONCENTRATIONS
IN GROUNDWATER (DEEP ZONE)
MISSION VALLEY ROCK
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

PROJECT NO. EM-5009B | FIGURE 5



Legend:

MW-1 — Groundwater Monitoring Well – Single Completion

MW-4S — Groundwater Monitoring Well – Dual Completion

MW-2S — Groundwater Monitoring Well – Triple Completion

MW-2S 77 — GROUNDWATER MONITORING WELL WITH MTBE CONCENTRATION MICROGRAMS PER LITER (ug/L)

MTBE CONCENTRATION CONTOUR

SB-1 — TEMPORARY SOIL BORING

GROUNDWATER SAMPLES COLLECTED ON DECEMBER 12 & 13, 2005

0 30

SCALE: 1 INCH=30 FEET

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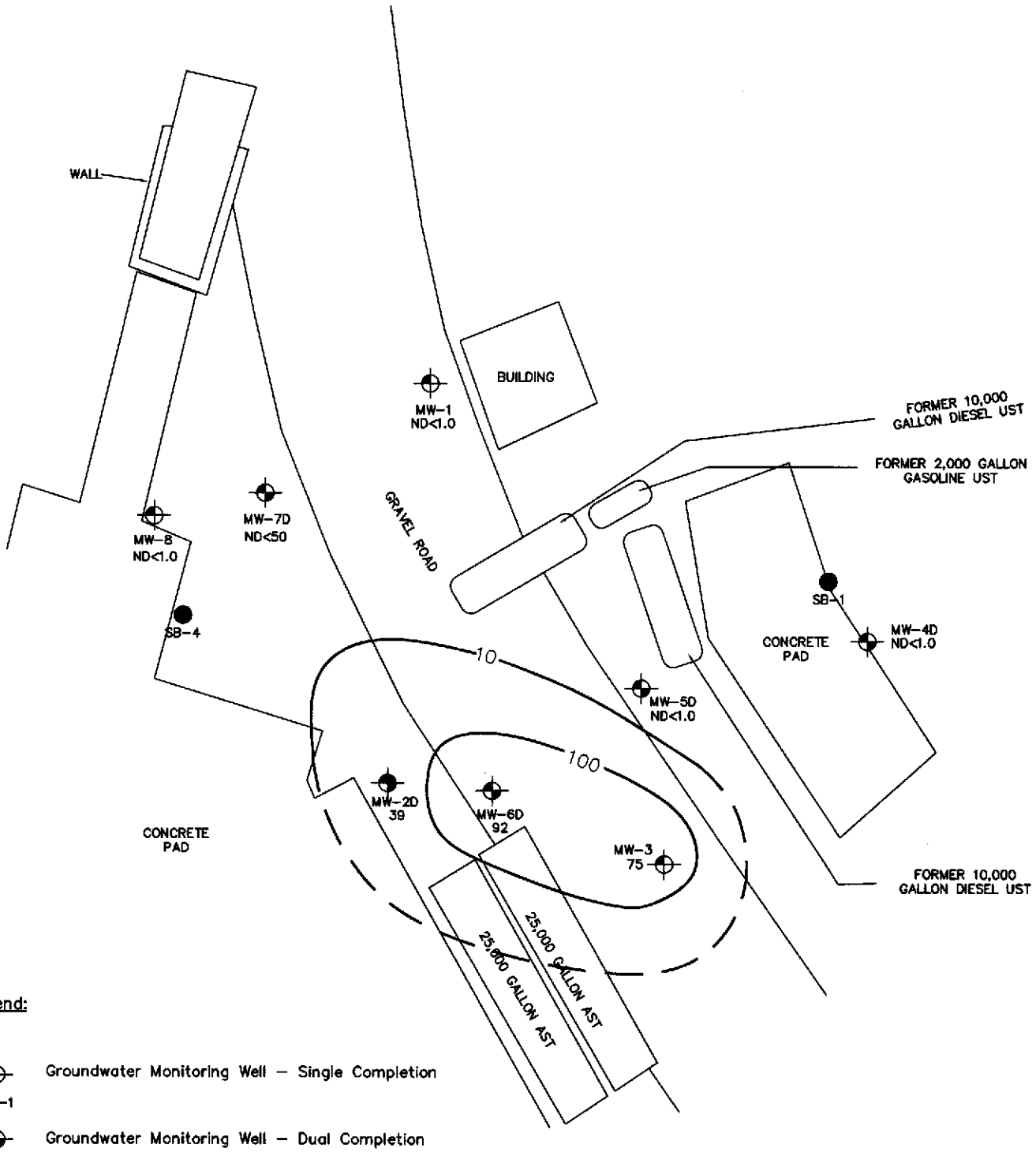
4TH QUARTER 2005
MTBE CONCENTRATIONS
IN GROUNDWATER (SHALLOW ZONE)

MISSION VALLEY ROCK
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

PROJECT NO. EM-5009B | FIGURE 6

M:\TEM\TEM 2006\Clients-TEM\Mission Valley Rock Company\GW Monitoring 4th Qtr 2005\Figures\MTBE Concentrations in Groundwater (Shallow) Fig 6 01/13/06



Legend:

MW-1 — Groundwater Monitoring Well – Single Completion

MW-4D — Groundwater Monitoring Well – Dual Completion

MW-2D — Groundwater Monitoring Well – Triple Completion

MW-2D 51 — GROUNDWATER MONITORING WELL WITH MTBE CONCENTRATION MICROGRAMS PER LITER (ug/L)

MTBE CONCENTRATION CONTOUR

TEMPORARY SOIL BORING

0 30

SCALE: 1 INCH=30 FEET

GROUNDWATER SAMPLES COLLECTED ON DECEMBER 12&13, 2005

M:\TEM\TEM 2006\Clients-TEM\Mission Valley Rock Company\GW Monitoring 4th Qtr 2005\Figures\MTBE Concentrations in Groundwater (Deep) Fig 7 01/13/06

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4TH QUARTER 2005
MTBE CONCENTRATIONS
IN GROUNDWATER (DEEP ZONE)

MISSION VALLEY ROCK
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

PROJECT NO. EM-5009B | FIGURE 7

Table 1
Well Construction Details and Groundwater Elevation Data
Fourth Quarter 2005
Mission Valley Rock Company
Sunol, California

Well ID	Casing Diameter (inches)	Depth to Water (feet below TOC)	Total Depth (feet below TOC)	Screened Interval (feet bgs)	Measuring Point Elevation (feet MSL)	Groundwater Elevation (feet MSL)
MW-1	2	6.44	17.50	5.0 - 20.0	258.68	252.24
MW-2S	2	7.38	8.35	3.0-8.0	258.84	251.46
MW-2M	2	7.78	18.75	14.0-19.0	258.99	251.21
MW-2D	2	7.85	29.60	25.0-30.0	258.91	251.06
MW-3	2	8.45	15.03	5.0-20.0	259.08	250.63
MW-4S	2	5.48	8.22	3.0-8.0	259.14	253.66
MW-4D	2	8.50	23.20	17.0-22.0	259.22	250.72
MW-5S	2	7.68	8.00	3.0-8.0	259.43	251.75
MW-5D	2	7.92	22.50	17.0-22.0	259.40	251.48
MW-6S	2	7.48	14.80	5.0-15.0	258.75	251.27
MW-6D	2	8.32	28.90	24.5-29.5	259.27	250.95
MW-7S	2	6.64	8.30	5.0-8.0	258.82	252.18
MW-7D	2	7.40	22.40	20.0-25.0	258.07	250.67
MW-8	2	6.67	15.10	5.0-15.0	258.84	252.17

Screened intervals are approximated. Screened interval in wells is lower than the measured total depth due to silting in the bottom of wells.
The measurement point for the above wells is the north side of the top of casing.
Depth to water and total depth measurements taken by Tait Environmental Management, Inc. personnel on December 12, 2005.
Total depth and depth to water measurements taken by Tait Environmental Management from designated measurement point.
Groundwater Elevation = Measurement Point Elevation - Depth to Water.
TOC = Top of Casing
bgs = Below Ground Surface
MSL = Mean Sea Level

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

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
MW-1	256.51	06/01/98	1.32	255.19	ND
		01/01/99	2.28	254.23	ND
		03/01/99	1.88	254.63	ND
		06/01/99	3.35	253.16	ND
		09/01/99	3.66	252.85	ND
		12/01/99	2.94	253.57	ND
		03/01/00	2.72	253.79	Odor
		06/01/00	4.01	252.50	Slight Odor
		09/01/00	5.11	251.40	Slight Odor
		12/01/00	4.95	251.56	ND
		03/01/01	2.28	254.23	ND
		06/01/01	3.60	252.91	ND
		09/01/01	6.50	250.01	ND
		12/01/01	1.29	255.22	ND
		03/01/02	2.91	253.60	ND
		06/02/02	3.95	252.56	ND
		09/02/02	5.18	251.33	ND
		12/01/02	3.90	252.61	ND
		03/01/03	1.40	255.11	ND
		06/03/03	2.65	253.86	ND
		09/19/03	4.67	251.84	ND
		12/03/03	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
MW-2	256.7	06/01/98	1.72	254.98	0.005
		01/01/99	2.69	254.01	4.00
		03/01/99	2.50	254.20	ND
		06/01/99	4.00	252.70	Sheen
		09/01/99	4.54	252.16	0.50
		12/01/99	3.85	252.85	0.13
		03/01/00	3.20	253.50	0.03
		06/01/00	4.62	252.08	0.02
		09/01/00	5.95	250.75	>0.01
		12/01/00	5.65	251.05	0.07
		03/01/01	3.21	253.49	0.10
		06/01/01	3.31	253.39	0.06
		09/01/01	7.08	249.62	0.34
		12/01/01	2.18	254.52	0.26
		03/01/02	3.40	253.30	0.90
		06/02/02	4.35	252.35	0.08
		09/02/02	5.54	251.16	ND
		12/01/02	4.30	252.40	ND
		03/01/03	1.78	254.92	ND
		06/03/03	3.10	253.60	ND
		09/19/03	5.02	251.68	ND
		12/03/03	NM	NM	NM
		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
MW-2M	258.99	01/17/05	4.68	254.16	ND
		05/04/05	2.32	256.52	ND
		08/12/05	5.77	253.07	ND
		12/12/05	7.78	251.21	ND
MW-2D	258.91	01/17/05	4.75	254.09	ND
		05/04/05	2.38	256.46	ND
		08/12/05	5.90	252.94	ND
		12/12/05	7.85	251.06	ND

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

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
MW-3	256.72	06/01/98	2.66	254.06	ND
		01/01/99	4.47	252.25	Slight Odor
		03/01/99	3.96	252.76	Sheen
		06/01/99	5.54	251.18	ND
		09/01/99	6.18	250.54	Sheen
		12/01/99	5.52	251.20	Odor
		03/01/00	4.61	252.11	Odor
		06/01/00	6.35	250.37	Very Slight Odor
		09/01/00	7.30	249.42	Very Slight Odor
		12/01/00	7.29	249.43	ND
		03/01/01	4.73	251.99	ND
		06/01/01	NM	NM	NM
		09/01/01	7.89	248.83	ND
		12/01/01	3.77	252.95	ND
		03/01/02	5.12	251.60	ND
		06/02/02	6.52	250.20	ND
		09/02/02	7.28	249.44	ND
		12/01/02	6.40	250.32	ND
		03/03/03	4.01	252.71	ND
		06/03/03	5.13	251.59	ND
		09/19/03	5.13	251.59	ND
		12/03/03	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
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
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
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
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
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
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
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
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
MW-8	258.84	01/17/05	3.45	255.39	ND
		05/04/05	1.25	257.59	ND

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

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
		08/12/05	4.92	253.92	ND
		12/12/05	6.67	252.17	ND

Depth to water and liquid phase hydrocarbon (LPH) thickness reported in feet below measurement point.
Groundwater elevations reported in feet above mean sea level (msl).
Adjusted groundwater elevation = Measurement Point Elevation - Depth to Water + (LPH Thickness x 0.75)
NM = Not Measured
ND = Not Detected
TOC = Top of Casing
MSL = Mean Sea Level
LPH = Liquid-Phase Hydrocarbon

Table 3
Groundwater Analytical Results
Fourth Quarter 2005
Mission Valley Rock Company
Sunol, California

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	TBA (ug/L)
MW-1	12/13/2005	ND<50	750	3.8	ND<0.50	4.2	ND<1.0	ND<1.0	ND<10
MW-2S	12/12/2005	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	26	ND<10
MW-2M	12/12/2005	ND<50	410	ND<0.50	ND<0.50	ND<0.50	ND<1.0	28	ND<10
MW-2D	12/12/2005	ND<50	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	39	ND<10
MW-3	12/13/2005	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	75	ND<10
MW-4S	12/12/2005	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10
MW-4D	12/12/2005	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10
MW-5S	12/12/2005	ND<50	ND<50	3.4	1.3	ND<0.50	ND<1.0	ND<1.0	ND<10
MW-5D	12/12/2005	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10
MW-6S	12/12/2005	ND<50	1,000	ND<0.50	ND<0.50	1.4	ND<1.0	190	ND<10
MW-6D	12/12/2005	ND<50	240	ND<0.50	ND<0.50	ND<0.50	ND<1.0	92	ND<10
MW-7S	12/12/2005	ND<50	610	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10
MW-7D	12/12/2005	150,000	1,300,000	640	3,100	21,000	54,800	ND<5.0	ND<500
MW-8	12/12/2005	830	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10

Notes:
Analyses for Total Petroleum Hydrocarbons as Gasoline and Diesel (TPHg and TPHd, respectively) were performed using EPA Method No. 8015M.
Analyses for benzene, toluene, ethylbenzene, total xylenes, methyl-tert-butyl ether (MTBE), and Tert-butyl alcolhol (TBA) were performed using EPA Method No. 8260B.
Tert-amyl methyl ether (TAME), Di-isoproppyl ether (DIPE), and Ethyl tert-butyl ther (ETBE) were not detected above laboratory detection limits.
Total xylene concentrations were determined by adding m,p-xylene and o-xylene from laboratory report.
NM = Not Measured
mg/L = Milligrams per Liter
ug/L = Micrograms per Liter
ND = Non-detect at or above corresponding laboratory reporting limit.
Monitoring wells MW-1 and MW-3 were sampled on December 13, 2005.

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

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)
MW-1	06/01/98	0.1	3,100	19	2.3	91	48	110
	10/01/98	0.1	2,300	3.1	4.2	5.0	15	ND<0.50
	12/01/98	350	ND<50	12	7.5	20	6.2	ND<5.0
	03/01/99	190	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/01/99	210	1,800	1.2	0.9	1.5	4.6	ND<0.5
	09/01/99	62	180	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.5
	12/01/99	290	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	03/01/00	86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/01/00	70	450	2.1	ND<0.5	2.1	1.4	7.6
	09/01/00	ND<50	850	5.4	ND<0.50	9.4	2.6	9.8
	12/01/00	ND<1,000	370	5.3	ND<1.0	2.7	ND<3.0	55
	03/01/01	ND<1,000	700	ND<1.0	ND<1.0	1.4	ND<1.0	ND<1.0
	06/01/01	ND<1,000	170	ND<1.0	ND<1.0	1.2	ND<1.0	ND<1.0
	09/01/01	ND<1,000	730	1.4	ND<1.0	7.6	1.2	ND<1.0
	12/01/01	1000	500	15	ND<1.0	27	5.5	ND<1.0
	03/02/02	12000	29000	50	ND<25	960	290	ND<25
	06/02/02	ND<1,000	1400	3.5	ND<1.0	42	7.9	ND<1.0
	09/02/02	1400	760	ND<1.0	ND<1.0	4.3	1.1	ND<1.0
	12/01/02	ND<1,000	1600	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	03/01/03	ND<1,000	620	1.2	ND<1.0	12	ND<1.0	ND<1.0
	06/03/03	ND<1,000	0.61	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	09/01/03	ND<1,000	1.2	ND<1.0	ND<1.0	6.4	ND<1.0	ND<1.0
	12/03/03	ND<1,000	0.49	ND<1.0	ND<1.0	3.0	ND<1.0	ND<1.0
	01/17/05	ND<50	63	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
	05/04/05	ND<50	1200	ND<0.5	ND<0.5	8.5	1.2	ND<1.0
	08/12/05	ND<50	410	ND<0.5	ND<0.5	2.4	ND<0.5	ND<1.0
	12/13/05	ND<50	750	3.8	ND<0.5	4.2	ND<1.0	ND<1.0
MW-2	06/01/98	12,000	2,500	0.68	ND<0.50	1.2	0.57	14
	10/01/98	4,300	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	12/01/98	38,000	ND<5,000	ND<50	ND<50	51	190	ND<500
	03/01/99	580	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/01/99	4,500	24,000	38	27	41	98	ND<0.5
	09/01/99	24,000	1,400	ND<0.50	ND<0.50	ND<0.50	ND<0.50	27
	12/01/99	2,300	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	03/01/00	620	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/01/00	1,700	270	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17
	09/01/00	5,800	130	ND<0.50	ND<0.50	ND<0.50	0.94	12
	12/01/00	19,000	1700	ND<50	ND<50	ND<50	ND<150	ND<250
	03/01/01	610000	3300	ND<1.0	ND<1.0	ND<1.0	ND<1.0	9.0
	06/01/01	8800	1800	ND<1.0	ND<1.0	ND<1.0	ND<1.0	6.7
	09/01/01	530000	7000	ND<50	ND<50	ND<50	ND<50	ND<50
	12/01/01	27000	310	ND<1.0	ND<1.0	ND<1.0	ND<1.0	62
	03/02/02	65000	130	ND<1.0	ND<1.0	ND<1.0	ND<1.0	30
	06/02/02	130000	460	ND<1.0	ND<1.0	ND<1.0	ND<1.0	24
	09/02/02	480000	290	ND<1.0	ND<1.0	ND<1.0	ND<1.0	16
	12/01/02	61000	1800	ND<1.0	ND<1.0	ND<1.0	ND<1.0	10
	03/01/03	5000	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	14
	06/17/03	8.1	360	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20
	09/19/03	85	12	ND<1.0	ND<1.0	ND<1.0	ND<1.0	15
	12/03/03	NS						
	01/17/05	Abandoned						
MW-2S	01/17/05	1100	730	ND<0.50	ND<0.50	1.0	3.5	50
	05/04/05	8200	190	ND<0.5	ND<0.5	ND<0.5	ND<0.5	44
	08/12/05	6100	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	77
	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	26
MW-2M	01/17/05	4100	3300	6.5	1.7	89	82.2	38
	05/04/05	ND<50	610	ND<0.5	ND<0.5	16	10.6	32
	08/12/05	ND<50	460	ND<0.5	ND<0.5	2.5	1.2	56
	12/12/05	ND<50	410	ND<0.5	ND<0.5	ND<0.5	ND<1.0	28
MW-2D	01/17/05	1800	1000	6.5	ND<0.50	80	71	62
	05/04/05	ND<50	250	ND<0.5	ND<0.5	4.6	1.6	72
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	2.8	1.1	51
	12/12/05	ND<50	200	ND<0.5	ND<0.5	ND<0.5	ND<1.0	39
MW-3	06/01/98	12,000	300	0.80	ND<0.50	ND<0.50	ND<0.50	150
	10/01/98	6400	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	12/01/98	5,600	ND<100	1.6	1.4	ND<1.0	ND<1.0	110
	03/01/99	150	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/01/99	620	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	09/01/99	1,500	230		ND<0.50	ND<0.50	ND<0.50	89
	12/01/99	58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	03/01/00	94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5

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

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)
	06/01/00	240	170	ND<0.5	0.52	ND<0.5	ND<0.5	100
	09/01/00	850	170	0.81	ND<0.50	ND<0.50	ND<0.50	68
	12/01/00	1600	230	ND<1.0	ND<1.0	ND<1.0	ND<3.0	80
	03/01/01	1100	140	ND<1.0	ND<1.0	ND<1.0	ND<1.0	83
	06/01/01	NS	NS	NS	NS	NS	NS	NS
	09/01/01	3800	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	45
	12/01/01	3100	340	1.4	1.1	10	3.8	45
	03/02/02	1500	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	50
	06/02/02	ND<1000	160	ND<1.0	ND<1.0	ND<1.0	ND<1.0	36
	09/02/02	ND<1000	ND<1000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	43
	12/01/02	ND<1000	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	41
	03/01/03	ND<1000	ND<100	ND<2.5	ND<2.5	ND<2.5	ND<2.5	92
	06/03/03	1200.0	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	93
	09/19/03	ND<1000	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	65
	12/01/03	5700	190	ND<2.0	ND<2.0	ND<2.0	ND<2.0	56
	01/17/05	ND<50	590	ND<0.50	ND<0.50	ND<0.50	ND<0.50	47
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	190
	08/11/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	110
	12/13/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	75
MW-4S	01/17/05	ND<50	65	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	2.2	5.8	ND<1.0
	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
MW-4D	01/17/05	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
	08/12/05	ND<50	410	ND<0.5	2.20	10.0	25.5	ND<1.0
	12/12/05	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0
MW-5S	01/17/05	ND<50	ND<50	ND<0.50	4.5	ND<0.50	ND<0.50	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.50	ND<0.5	ND<0.50	ND<0.50	ND<1.0
	08/11/05	ND<50	ND<50	ND<0.50	ND<0.5	ND<0.50	ND<0.50	6
	12/12/05	ND<50	ND<50	3.4	1.3	ND<0.50	ND<1.0	ND<1.0
MW-5D	01/17/05	ND<50	210	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	10
	08/11/05	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6
	12/12/05	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0
MW-6S	01/17/05	2800	1600	6.1	ND<0.50	3.6	2.3	160
	05/04/05	ND<50	750	ND<0.5	ND<0.5	3.0	ND<0.5	160
	08/12/05	1300	1100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	410
	12/12/05	ND<50	1000	ND<0.50	ND<0.50	1.4	ND<1.0	190
MW-6D	01/17/05	2100	1200	10	ND<0.50	1.6	2.2	180
	05/04/05	ND<50	360	2	ND<0.5	ND<0.5	ND<0.5	360
	08/12/05	ND<50	480	2	ND<0.5	ND<0.5	ND<0.5	270
	12/12/05	ND<50	240	ND<0.50	ND<0.5	ND<0.5	ND<1.0	92
MW-7S	01/17/05	ND<50	12000	10	89	590	1670	ND<1.0
	05/04/05	520	1600	ND<0.5	ND<0.5	31	18.4	1600
	08/12/05	ND<50	660	ND<0.5	ND<0.5	5.5	ND<0.5	ND<1.0
	12/12/05	ND<50	610	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
MW-7D	01/17/05	ND<50	23000	350	1000	1800	5200	ND<1.0
	05/04/05	NS						
	08/12/05	37	83000	550	2200	4400	10600	ND<50
	12/12/05	150000	1300000	640	3100	21000	54800	ND<50
MW-8	01/17/05	ND<50	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	12/12/05	830	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0

Concentrations reported in micrograms per Liter (ug/L)

MTBE = Methyl-tert-Butyl Ether

ND = Not Detected at or above corresponding reporting limit

NS = Not Sampled

TPHd = Total Petroleum Hydrocarbons as Diesel

TPHd = Total Petroleum Hydrocarbons as Gasoline

NM: Not Measured

APPENDIX A

SAMPLING DATA SHEETS

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Ranch	**Date:**	12/13/05
Project No.:	EM 5009 B	**Prepared By:**	KL
Well Identification:	MW-1	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	Tox, North	**Pump Intake:**	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	6.44	17.50	11.06	—	1.7	5.1	—	—

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method:

Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1110	1.0	1.7		N/A	6.76	16.9	671	4.22	9.39		Dark Gray
1115	2.0	3.4		N/A	6.70	17.8	748	4.10	9.39		" "
1120	3.0	5.1		N/A	6.71	17.8	750	4.19	9.31		" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1105	1120		5.1	3.0	8.65	6.68	1130	MW-1

Notes:

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rock	**Date:**	12/12/05
Project No.:	EM 5009B	**Prepared By:**	KL
Well Identification:	MW-2S	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC, Mark	**Pump Intake:**	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	7.38	8.35	0.97	—	0.15	0.45	—	—

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method:

Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (_____)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
							1340	MW-2S

Notes: Due to insignificant volume, field parameters were not taken. Obtained sample with bailer after purging casing volume.

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rock	**Date:**	12/12/05
Project No.:	EM 5009B	**Prepared By:**	KL
Well Identification:	MW-2M	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC, North	**Pump Intake:**	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	7.78'	18.75	10.97	—	1.8	3.9	—	—

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method:

Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1309	1.0	1.8		N/A	6.48	18.3	308	1.80	7.95		Cloudy Gray
1313	2.0	3.6		N/A	6.42	19.0	841	1.84	7.63		" "
1317	3.0	5.4		N/A	6.48	19.1	321	1.84	7.83		" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1305	1317		3.9	3.0	9.97	8.23	1320	MW-2M

Notes:

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rack	**Date:**	12/12/05
Project No.:	EM 5009B	**Prepared By:**	KC
Well Identification:	MW-2D	**Weather:**	Cloudy
Measurement Point Description:	TOC, North	**Screen:**	
		Pump Intake:	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	7.85	29.60	21.75	—	3.5	10.5	—	—

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method:

Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1246	1.0	3.5		N/A	6.39	18.5	7999	1.85	8.26		Gray
1249	2.0	7.0		N/A	6.44	19.0	>999	1.82	8.34		" "
1252	3.0	10.5		N/A	6.46	19.0	>999	1.80	8.93		" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1243	1252		10.5	3.0	12.20	12.20	1255	MW-2D

Notes:

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rock	**Date:**	12/13/05
Project No.:	EN 5009 B	**Prepared By:**	KL
Well Identification:	MW-3	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC, North	**Pump Intake:**	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	8.45	15.03	6.58	—	1	3	—	—

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method:

Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1015	1.0	1		N/A	6.72	18.6	393	2.14	8.61		Cloudy
1020	2.0	2		N/A	6.64	19.0	388	2.15	8.57		" "
1025	3.0	3		N/A	6.67	19.1	374	2.16	8.51		" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1010 ~~1700~~	1025		3	3.0	9.7	8.73	1035	MW-3

Notes:

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rock	**Date:**	12/12/05
Project No.:	EM 5009B	**Prepared By:**	KL / SH
Well Identification:	MW-4S	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC, North	**Pump Intake:**	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	5.48	8.22	2.75	—	0.5	1.5	—	—

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba
Purge Method:
Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1004	1.0	0.5		N/A	6.82	16.6	18	11.8	8.50		Cloudy
1006	2.0	1.0		N/A	6.85	16.7	36	11.6	8.52		" "
1008	3.0	1.5		N/A	6.88	16.4	114	11.6	8.48		" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1001	1008		~~3.0~~ 1.5	3.0	6.02	5.50	1010	MW-4S

Notes:

ft-bmp = feet below measuring point
http://mytait/Forms Word .doc/TEM/Field Forms/Well Sampling Field Data Sheet.DOC

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rock	**Date:**	12/12/05
Project No.:	EM 5009B	**Prepared By:**	KL
Well Identification:	MW-4D	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC, Mark	**Pump Intake:**	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	8.50	23.20	14.7	—	2.3	6.9	—	—

Well Diameter (in)				Gallons/Foot				Field Equipment: Solinst, Horiba
				0.75	(2)	4	6	Purge Method:
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
0936	1.0	2.5		N/A	6.56	18.6	7	8.50	7.95		Gray/cloudy
0942	2.0	5.0		N/A	6.60	17.6	99	8.65	7.77		" "
0948	3.0	7.5		N/A	6.58	18.9	20	8.69	7.80		" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
0926	0948		7.5	3.0	11.44	8.70	0955	MW-4D

Notes:

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rock	**Date:**	12/12/05
Project No.:	EM 5009 B	**Prepared By:**	KL
Well Identification:	MW-5S	**Weather:**	Cloudy
Measurement Point Description:	TOC, North	**Screen:**	
		Pump Intake:	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	7.68	8.00	0.32	—	0.05	0.15	—	—

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: Solinst

Purge Method:

Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (_____)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
							1055	MW-5S

Notes: Due to insignificant volume, field parameters were not taken. Obtained sample with bailer after purging casing volume.

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rock	**Date:**	12/12/05
Project No.:	EM 5009B	**Prepared By:**	KL
Well Identification:	MW-5D	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC, Mark	**Pump Intake:**	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	7.92	22.50	14.58	—	2.3	6.9	—	—

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method:

Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1030	1.0	2.3		N/A	6.68	18.4	295	3.63	8.05		Cloudy
1035	2.0	4.6		N/A	6.54	19.1	34	3.70	8.30		"
1040	3.0	6.9		N/A	6.54	19.3	23	3.69	8.27		"

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1025	1050		6.9	3.0	10.83	8.40	1050	MW-5D

Notes:

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 12/12/05
Project No.: 5009B	**Prepared By:** KL
Well Identification: MW-6S	**Weather:** Cloudy **Screen:**
Measurement Point Description: ~~MW-6S~~ TOC, North	**Pump Intake:**

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	~~7.48~~	14.80	7.32	—	1.2	3.6	—	—

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method:

Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1205	1.0	1.2		N/A	6.54	18.9	194	2.04	8.76		Gray
1210	2.0	2.4		N/A	6.52	18.9	185	2.07	8.67		" "
1215	3.0	3.6		N/A	6.55	18.5	167	2.07	8.98		" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1200	1215		3.6	3.0	8.94	8.94	1220	MW-6S

Notes: Needs a locking cap.

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rock	**Date:**	12/12/05
Project No.:	EM 5009B	**Prepared By:**	KL
Well Identification:	MW-6D	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC, North	**Pump Intake:**	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	8.32	28.9	20.58	—	3.3	9.9	—	—

Well Diameter (in)				Gallons/Foot			
				0.75	2	4	6
0.75	2	4	6	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method:

Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1136	1.0	3.3		N/A	6.68	19.1	>999	1.82	8.88		Dk Gray
1141	2.0	6.6		N/A	6.60	19.0	7 999	1.75	8.88		" "
1146	3.0	9.9		N/A	6.64	19.0	7 999	1.74	8.78		" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1130	1146		10	3.0	12.43	10.50	1150	MW-6D

Notes:

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rock	**Date:**	12/12/05
Project No.:	EM 5009B	**Prepared By:**	KC
Well Identification:	MW-7S	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC, North	**Pump Intake:**	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	6.64	8.30	1.66	—	0.3	0.9	—	—

Well Diameter (in)				Gallons/Foot				Field Equipment: Solinst 1 Horiba
				0.75	2	4	6	Purge Method:
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1616	1.0	0.3		N/A	6.96	12.8	439	1.93	10.18		Dark Gray
1617	2.0	0.6		N/A	6.94	16.6	425	2.37	8.37		" "
1618	3.0	0.9		N/A	6.90	16.6	7999	2.83	8.16		" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1615	1618		1.0	3.0	6.9	6.9	1625	~~MW-7S~~ MW-7S

Notes:

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	Mission Valley Rock	**Date:**	12/12/05
Project No.:	EM 5009 B	**Prepared By:**	KL
Well Identification:	MW-7D	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC, North	**Pump Intake:**	

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	7.40	22.40	15	—	2.5	7.5	—	—

Well Diameter (in)				Gallons/Foot				Field Equipment: Solinst, Horiba
				0.75	2	4	6	Purge Method:
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1503	1.0	2.5		N/A	6.55	18.0	437	1.86	8.79		Gray
1506	2.0	5.0		N/A	6.81	14.7	>999	1.47	10.08		Dark Gray
1509	3.0	7.5		N/A		Well went Dry					

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1500	1509		7.5	3.0	10.4	10.4	1545	MW-7D

Notes:

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Mission Valley Rock	**Date:** 12/12/05
Project No.: EM 500913	**Prepared By:** RC
Well Identification: MW-8	**Weather:** Cloudy **Screen:**
Measurement Point Description: TOC; North	**Pump Intake:**

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft-bmp)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Above Screen Volume	Screen Volume
—	6.67	15.10	8.43	—	1.3	3.9	—	—

Well Diameter (in)				Gallons/Foot				Field Equipment: Solinst, Horiba
				0.75	2	4	6	Purge Method:
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition:

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1549	1.0	1.3		N/A	6.88	16.4	410	2.87	8.59		Gray
1553	2.0	2.6		N/A	6.87	17.1	416	2.57	8.33		" "
1557	3.0	3.9		N/A	6.81	17.0	415	2.55	8.39		" "

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1545	1557		3.9	3.0	8.3	8.3	1605	MW-8

Notes:

ft-bmp = feet below measuring point

APPENDIX B

CERTIFICATE OF DISPOSAL

IWM, Inc.

INTEGRATED WASTESTREAM MANAGEMENT, INC.
950 AMES AVENUE, MILPITAS, CA 95035
PHONE: 408.942.8955 FAX: 408.942.1499

CERTIFICATE OF DISPOSAL

Generator Name:	Mission Valley Rock	Facility Name:	Mission Valley Rock
Address:	7999 Athenour Way	Address:	7999 Ahternour Way
	Sunol, CA 94586		Sunol, CA
Contact:	Mort Calvert, Mission Valley	Facility Contact:	Paul McCarter, TAIC ENVIRONMENTAL
Phone:	925-862-2257	Phone:	714-560-8200

IWM Job #:	95693-DW
Description of Waste:	5 Drums of Non-Hazardous Water
Removal Date:	01/20/06
Ticket #:	SP200106-MISC

Transporter Information

Name:	IWM, Inc.
Address:	950 Ames Avenue
	Milpitas, CA 95035
Phone:	(408) 942-8955

Disposal Facility Information

Name:	Seaport Refining & Environmental
Address:	675 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)

01/20/06
Date

APPENDIX C

LABORATORY REPORT

SunStar Laboratories, Inc.

20 December 2005

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 12/14/05 10:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director

3002 Dow Avenue, Suite 212, Tustin, CA 92780 Phone (714) 505-4010 Fax (714) 505-4028

T501437

Chain of Custody Record

SEVERN TRENT STL

~~Severn Trent Laboratories, Inc.~~

Sun Star Laboratories
(714) 505 4010

STL-4124 (0901)

Client: TAIT Env. Mgt	Project Manager: PAUL Mc CARTER	Date: 12/12/05	Chain of Custody Number: 216960
Address: 701 N. Parkcenter Drive	Telephone Number (Area Code)/Fax Number: (714) 560 8200	Lab Number	Page 1 of 1
City: Santa Ana / State: Ca / Zip Code: 92705	Site Contact	Lab Contact	
Project Name and Location (State): Mission Valley Rock	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): 8015G/8015D MTBE / 8260 BTEX ONLY

Special Instructions/ Conditions of Receipt: 3°C

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	LAB ID
MW-1	12/13/05	1130		X									01
MW-2S	12/12/05	1340		X									02
MW-2M	12/12/05	1320		X									03
MW-2D	12/12/05	1255		X									04
MW-3	12/13/05	1035		X									05
MW-4S	12/12/05	1010		X									06
MW-4D	12/12/05	0955		X									07
MW-5S	12/12/05	1055		X									08
MW-5D	12/12/05	1050		X									09
MW-6S	12/12/05	1220		X									10
MW-6D	12/12/05	1150		X									11
MW-7S	12/12/05	1625		X									12
MW-7D	12/12/05	1515		X									13
MW-8	12/12/05	1605		X									14

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Normal

QC Requirements (Specify)

1. Relinquished By: Kevin O Sullivan	Date	Time	1. Received By	Date: 12/13/05	Time: 1020
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T501487-01	Water	12/13/05 11:30	12/14/05 10:20
MW-2 S	T501487-02	Water	12/12/05 13:40	12/14/05 10:20
MW-2 M	T501487-03	Water	12/12/05 13:20	12/14/05 10:20
MW-2 D	T501487-04	Water	12/12/05 12:55	12/14/05 10:20
MW-3	T501487-05	Water	12/13/05 10:35	12/14/05 10:20
MW-4 S	T501487-06	Water	12/12/05 10:10	12/14/05 10:20
MW-4 D	T501487-07	Water	12/12/05 09:55	12/14/05 10:20
MW-5 S	T501487-08	Water	12/12/05 10:55	12/14/05 10:20
MW-5 D	T501487-09	Water	12/12/05 10:50	12/14/05 10:20
MW-6 S	T501487-10	Water	12/12/05 12:20	12/14/05 10:20
MW-6 D	T501487-11	Water	12/12/05 11:50	12/14/05 10:20
MW-7 S	T501487-12	Water	12/12/05 16:25	12/14/05 10:20
MW-7 D	T501487-13	Water	12/12/05 15:45	12/14/05 10:20
MW-8	T501487-14	Water	12/12/05 16:05	12/14/05 10:20

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-1
T501487-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**750**	50	ug/l	1	5121420	12/14/05	12/15/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*95.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	**3.8**	0.50	ug/l	1	5121421	12/14/05	12/17/05	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**4.2**	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 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98.5 %*	*78.6-122*		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-2 S
T501487-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	50	ug/l	1	5121420	12/14/05	12/15/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*90.4 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/17/05	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	**26**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*78.6-122*		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-2 M
T501487-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**410**	50	ug/l	1	5121420	12/14/05	12/15/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*91.0 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/17/05	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	**28**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95.5 %*	*78.6-122*		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-2 D
T501487-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**200**	50	ug/l	1	5121420	12/14/05	12/15/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*82.8 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/17/05	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	**39**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*	*78.6-122*		"	"	"	"	

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-3
T501487-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	50	ug/l	1	5121420	12/14/05	12/16/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/17/05	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	**75**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*94.0 %*	*78.6-122*		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Tait Environmental 701 N. Parkcenter Drive Santa Ana CA, 92705	Project: Mission Valley Rock Project Number: EM25009A Project Manager: Paul McCarter	**Reported:** 12/20/05 10:26

MW-4 S
T501487-06 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	50	ug/l	1	5121420	12/14/05	12/16/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*97.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/17/05	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		*104 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*94.2 %*	*78.6-122*		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-4 D
T501487-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	50	ug/l	1	5121420	12/14/05	12/15/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*106 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/16/05	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		*103 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*99.5 %*	*78.6-122*		"	"	"	"	

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-5 S
T501487-08 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	50	ug/l	1	5121420	12/14/05	12/16/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*93.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	**3.4**	0.50	ug/l	1	5121421	12/14/05	12/17/05	EPA 8260B	
Toluene	**1.3**	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		*104 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*94.8 %*	*78.6-122*		"	"	"	"	

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-5 D
T501487-09 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	50	ug/l	1	5121420	12/14/05	12/16/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/17/05	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		*104 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*99.8 %*	*78.6-122*		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-6 S
T501487-10 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**1000**	50	ug/l	1	5121420	12/14/05	12/16/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*94.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/17/05	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.4**	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	**190**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96.2 %*	*78.6-122*		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-6 D
T501487-11 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**240**	50	ug/l	1	5121420	12/14/05	12/16/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*89.6 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/17/05	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	**92**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95.5 %*	*78.6-122*		"	"	"	"	

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John Shepler, Laboratory Director

Tait Environmental 701 N. Parkcenter Drive Santa Ana CA, 92705	Project: Mission Valley Rock Project Number: EM25009A Project Manager: Paul McCarter	**Reported:** 12/20/05 10:26

MW-7 S
T501487-12 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**610**	50	ug/l	1	5121420	12/14/05	12/16/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/17/05	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*91.8 %*	*78.6-122*		"	"	"	"	

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-7 D
T501487-13 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**1300000**	10000	ug/l	200	5121420	12/14/05	12/16/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*76.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	**150**	0.50	mg/l	10	5121419	12/14/05	12/16/05	EPA 8015m	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	**640**	25	ug/l	50	5121421	12/14/05	12/17/05	EPA 8260B	
Toluene	**3100**	25	"	"	"	"	"	"	
Ethylbenzene	**21000**	25	"	"	"	"	"	"	
m,p-Xylene	**46000**	50	"	"	"	"	"	"	
o-Xylene	**8800**	25	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	100	"	"	"	"	"	"	
Tert-butyl alcohol	ND	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*	*78.6-122*		"	"	"	"	

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

MW-8
T501487-14 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	50	ug/l	1	5121420	12/14/05	12/15/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*94.6 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	**0.83**	0.050	mg/l	1	5121419	12/14/05	12/16/05	EPA 8015m	D-02
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/l	1	5121421	12/14/05	12/16/05	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*87.6-115*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-112*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*78.6-122*		"	"	"	"	

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

Purgeable Petroleum Hydrocarbons by EPA 8015m - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121420 - EPA 5030 GC										
Blank (5121420-BLK1)				Prepared: 12/14/05 Analyzed: 12/15/05						
Surrogate: 4-Bromofluorobenzene	*47.6*		*ug/l*	*50.0*		*95.2*	*65-135*			
C6-C12 (GRO)	ND	50	"							
LCS (5121420-BS1)				Prepared: 12/14/05 Analyzed: 12/16/05						
Surrogate: 4-Bromofluorobenzene	*41.3*		*ug/l*	*50.0*		*82.6*	*65-135*			
C6-C12 (GRO)	5990	50	"	5500		109	75-125			
Matrix Spike (5121420-MS1)	**Source: T501487-07**			Prepared: 12/14/05 Analyzed: 12/16/05						
Surrogate: 4-Bromofluorobenzene	*46.7*		*ug/l*	*50.0*		*93.4*	*65-135*			
C6-C12 (GRO)	5770	50	"	5500	ND	105	65-135			
Matrix Spike Dup (5121420-MSD1)	**Source: T501487-07**			Prepared: 12/14/05 Analyzed: 12/16/05						
Surrogate: 4-Bromofluorobenzene	*55.6*		*ug/l*	*50.0*		*111*	*65-135*			
C6-C12 (GRO)	5870	50	"	5500	ND	107	65-135	1.72	20	

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121419 - EPA 3510C GC										
Blank (5121419-BLK1)				Prepared: 12/14/05 Analyzed: 12/16/05						
Diesel Range Hydrocarbons	ND	0.050	mg/l							
LCS (5121419-BS1)				Prepared: 12/14/05 Analyzed: 12/16/05						
Diesel Range Hydrocarbons	21.8	0.050	mg/l	20.0		109	75-125			
Matrix Spike (5121419-MS1)		**Source: T501487-14**		Prepared: 12/14/05 Analyzed: 12/16/05						
Diesel Range Hydrocarbons	21.7	0.050	mg/l	20.0	0.83	104	75-125			
Matrix Spike Dup (5121419-MSD1)		**Source: T501487-14**		Prepared: 12/14/05 Analyzed: 12/16/05						
Diesel Range Hydrocarbons	21.9	0.050	mg/l	20.0	0.83	105	75-125	0.917	20	

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121421 - EPA 5030 GCMS										
Blank (5121421-BLK1)				Prepared: 12/14/05 Analyzed: 12/16/05						
Surrogate: Toluene-d8	*41.0*		*ug/l*	*40.0*		*102*	*87.6-115*			
Surrogate: 4-Bromofluorobenzene	*39.6*		*"*	*40.0*		*99.0*	*80-112*			
Surrogate: Dibromofluoromethane	*38.8*		*"*	*40.0*		*97.0*	*78.6-122*			
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
LCS (5121421-BS1)				Prepared: 12/14/05 Analyzed: 12/17/05						
Surrogate: Toluene-d8	*41.4*		*ug/l*	*40.0*		*104*	*87.6-115*			
Surrogate: 4-Bromofluorobenzene	*41.0*		*"*	*40.0*		*102*	*80-112*			
Surrogate: Dibromofluoromethane	*36.0*		*"*	*40.0*		*90.0*	*78.6-122*			
Benzene	119	0.50	"	100		119	75-125			
Toluene	114	0.50	"	100		114	75-125			
Matrix Spike (5121421-MS1)	**Source: T501487-07**			Prepared: 12/14/05 Analyzed: 12/17/05						
Surrogate: Toluene-d8	*40.6*		*ug/l*	*40.0*		*102*	*87.6-115*			
Surrogate: 4-Bromofluorobenzene	*40.8*		*"*	*40.0*		*102*	*80-112*			
Surrogate: Dibromofluoromethane	*36.1*		*"*	*40.0*		*90.2*	*78.6-122*			
Benzene	123	0.50	"	100	ND	123	75-125			
Toluene	120	0.50	"	100	ND	120	75-125			

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John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	12/20/05 10:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121421 - EPA 5030 GCMS										
Matrix Spike Dup (5121421-MSD1)	**Source: T501487-07**			Prepared: 12/14/05 Analyzed: 12/17/05						
Surrogate: Toluene-d8	*41.0*		*ug/l*	*40.0*		*102*	*87.6-115*			
Surrogate: 4-Bromofluorobenzene	*40.9*		*"*	*40.0*		*102*	*80-112*			
Surrogate: Dibromofluoromethane	*37.2*		*"*	*40.0*		*93.0*	*78.6-122*			
Benzene	123	0.50	"	100	ND	123	75-125	0.00	20	
Toluene	120	0.50	"	100	ND	120	75-125	0.00	20	

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John Shepler, Laboratory Director

Notes and Definitions

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