Hanson Aggregates Mid-Pacific, Inc.
3000 Busch Road
Pleasanton, CA 94566-8403

July 27, 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: SECOND QUARTER 2006
GROUNDWATER MONITORING AND SAMPLING REPORT
MISSION VALLEY ROCK COMPANY
7999 ATHENOUR WAY, SUNOL, CALIFORNIA

Dear Mr. Wickham,

Please find enclosed Tait Environmental Management's *Second Quarter 2006 Groundwater Monitoring and Sampling Report* on the above referenced site.

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

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

Sincerely,

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

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

Second Quarter 2006
Groundwater Monitoring and Sampling Report

Mission Valley Rock Company
7999 Athenour Way
Sunol, California

Prepared by:
Tait Environmental Management, Inc.

July 27, 2006

July 27, 2006

Second Quarter 2006
Groundwater Monitoring and Sampling Report

Mission Valley Rock Company
7999 Athenour Way
Sunol, California

Prepared for:

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

Prepared by:

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

Reviewed by:

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

Project No. EM-5009C

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B. Sampling Data Sheets
C. Certificate of Disposal
D. Laboratory Report

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

1.0 INTRODUCTION

This report summarizes the Second Quarter 2006 groundwater monitoring and sampling event conducted at the Mission Valley Rock Company (site) located at 7999 Athenour Way in Sunol, California (Figure 1). The wells were sampled as part of the Second Quarter 2006 groundwater monitoring and sampling program.

2.0 OBJECTIVE AND SCOPE OF WORK

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

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

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

3.0 BACKGROUND

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

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

In January 2005, eight additional soil borings were advanced at the site using a hollow-stem auger drill rig. Six of the borings were converted to single-, double-, and triple-completion groundwater monitoring wells for a total of 12 wells (MW-2S, MW-2M, MW-2D, MW-4S, MW-4D, MW-5S, MW-52, MW-6S, MW-6D, MW-7S, MW-7D, MW-8). Shallow wells were designated with an “S” and deep wells were designated with a “D”. Groundwater monitoring well MW-2 was abandoned. The work was performed in accordance with the Alameda County Environmental Health Services (ACEHS) directive of November 16, 2004, which requested the collection of depth-discrete groundwater samples from the site (ACEHS, 2004)

In April and May 2006, LFR, Inc. (LFR) installed, developed, sampled, and surveyed 12 additional wells (MW-9S, MW-9D, MW-9LF, MW-10S, MW-10D, MW-10LF, MW-11S, MW-11D, MW-11LF, MW-12S, MW-12D, and MW-12LF in four well clusters, which were located peripherally to the existing wells. The "LF" wells were screened in the Livermore Formation below the deep-zone wells.

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

4.0 SITE HYDROGEOLOGY

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

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

Groundwater levels are measured from the shallow-zone, deep-zone, and Livermore Formation wells. The levels are generally similar between the zones, and the groundwater zones appear to be generally hydraulically continuous.

Based on the Second Quarter 2006 groundwater monitoring data, the overall depth to groundwater at the site ranged from 2.47 feet bgs in well MW-1 to 5.92 feet bgs in well MW-12LF. In general, groundwater levels have declined one to two feet relative to the First Quarter 2006 monitoring event.

Groundwater in the shallow-zone wells is flowing in an east-sourteasterly direction at an approximate gradient of 0.01 foot/foot (ft/ft) (Figure 3). Groundwater in the deep-zone wells is flowing in an easterly to east-southeasterly direction at a gradient ranging from approximately 0.019 feet in the western part of the area to a shallower gradient of approximately 0.008 ft/ft in the east (Figure 4). Groundwater in the Livermore Formation is flowing in an easterly direction at a gradient ranging from approximately to 0.016 ft/ft in the western part of the area to 0.008 ft/ft in the east (Figure 5). The flow direction in each of the flow regimes is opposite to the regional

northwesterly groundwater flow direction in the Sunol Valley as reported by the ACEHS in their letter to Mission Valley Rock Company, dated November 3, 2005 (ACEHS, 2005). The variation from the regional trend may reflect local conditions, and the groundwater levels at the site may be affected by excavation and pumping operations related to aggregate extraction at the site.

5.0 GROUNDWATER MONITORING WELL PURGING AND SAMPLING

On June 12, 2006, static groundwater levels were measured and recorded in the on-site groundwater monitoring wells using an electrical product/water interface meter. Water levels were measured relative to the top of the well casing (representing the wellhead survey point). Prior to use at each well, the meter was decontaminated with a mild detergent solution and two de-ionized water rinses. Groundwater gauging and elevation data for the Second Quarter 2006 event are summarized in Table 1. Historical groundwater elevation data are summarized in Table 2. Groundwater sampling data sheets are presented in Appendix B.

On June 12, 13, and 14, 2006, the groundwater monitoring wells were sampled using a Waterra inertial pump as part of the Second Quarter 2006 groundwater monitoring and sampling event. Groundwater samples were collected from 26 wells at the site. The samples were labeled, placed into an ice-chilled cooler (4°C), and transported under chain-of-custody protocols to SunStar Laboratories, Inc. (SunStar), a State-Certified laboratory (ELAP No. 2250) for chemical analysis. Approximately 250 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 present in the containers.

Integrated Waste Management of Milpitas, California provided pick-up services for the drummed purge water generated by the monitoring activities. The drums were transported and disposed as non-hazardous water at Seaport Refining & Environmental in Redwood City, California on July 20, 2006. The Certificate of Disposal is contained in Appendix C.

6.0 LABORATORY ANALYSES

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

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

- Benzene, toluene, ethylbenzene, total xylenes (BTEX); for methyl tertiary butyl ether (MTBE), and the other fuel oxygenates tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), and ethyl tertiary-butyl ether (ETBE); and for volatile organic compounds (VOCs) using EPA Method No. 8260B (full scan).

Contoured dissolved-phase TPHg concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 5, 7, and 8, respectively. Contoured dissolved-phase MTBE concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 9, 10, and 11, respectively. Contoured dissolved-phase benzene concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 12, 13, and 14, respectively.

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

7.0 SUMMARY OF ACTIVITIES AND FINDINGS

Based upon the data presented in this report, previous investigations, current regulatory 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 are one to two feet lower this quarter relative to the corresponding First Quarter 2006 groundwater levels. The groundwater flow direction in all groundwater zones (shallow, deep, and Livermore Formation) is generally easterly to east-southeasterly at gradients ranging from 0.019 in the west to 0.008 in the east.

- Twenty-six (26) groundwater samples were collected from the monitoring wells at the site, and they were delivered to SunStar for analysis.

- A maximum TPHd concentration of 18,000 micrograms per liter (µg/L) was detected in well MW-11D. TPHd was not detected in MW-11D or MW-11LF during the initial sampling of these wells in May 2005 (Table 4). TPHd concentrations appear to be localized in the southern part of the area.

- A maximum TPHg concentration of 160,000 µg/L was detected in well MW-7D. Highest concentrations of TPHg appear to be localized in the central part of the area, particularly in the north in the vicinity of wells MW-7D and MW-9D.

- A maximum MTBE concentration of 240 µg/L was detected in well MW-11LF. MTBE is localized in the southern part of the area in the vicinity of wells MW-2, MW-6, and MW-11 and is most widespread in the deep-zone wells. MTBE is notably absent in wells MW-7 and MW-9 in the northern part of the area.

- A maximum benzene concentration of 3,200 µg/L was detected in well MW-9D. Benzene tends to be localized in the northern part of the area in the vicinity of wells MW-7 and MW-9, although some minor impacts were noted in well MW-11D.

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

- Ethylene dibromide (EDB) and 1,2-dichloroethane (1,2-DCA) were not detected above their respective reporting limits in any of the wells at the site.

- In general, TPHg and BTEX tend to be localized in the groundwater in the northern part of the area, upgradient of the former USTs, whereas TPHd and MTBE concentrations tend to be localized in the groundwater in the southern part of the area, downgradient of the former USTs. The data suggest the presence of more than one source for detected hydrocarbons in groundwater.

- The lateral extent of hydrocarbons in groundwater has not been defined north and south of the former UST area.

8.0 QUALITY ASSURANCE/QUALITY CONTROL

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

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

9.0 REFERENCES

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

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

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

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

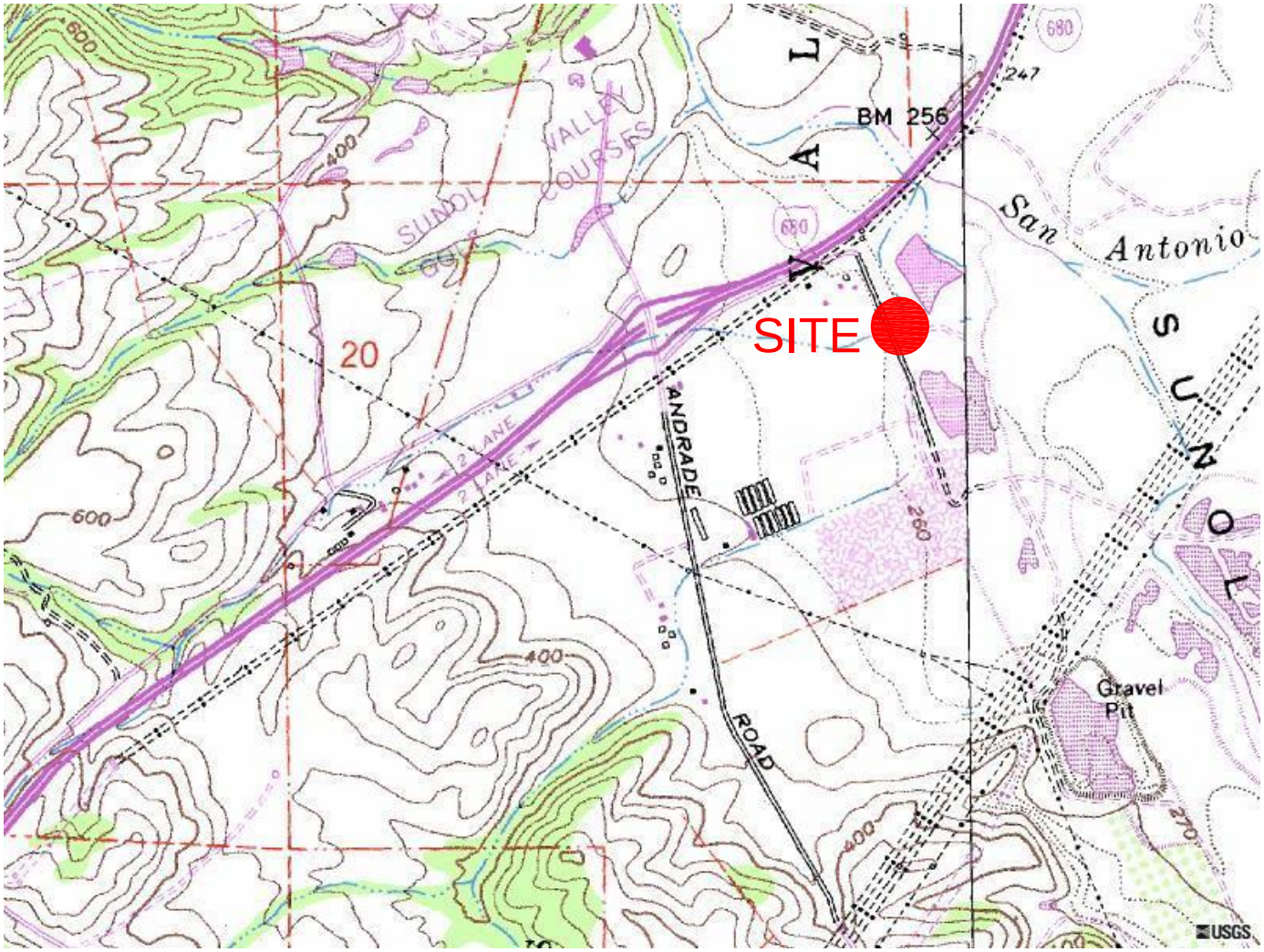
U.S. Geological Survey (USGS), 1989, *Fremont 7.5 Minute Topographic Quadrangle Map*, 1:24,000.

10.0 LIMITATIONS

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

M:\TEM\TEM 2006\Clients-TEM\Mission Valley Rock Company\Qtly GW Monitoring\GW Monitoring 2nd Qtr 2006\MVR 2nd Qtr Report 2006.doc

FIGURES



NORTH

0 2000

1" = 2000'

NOTES:

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

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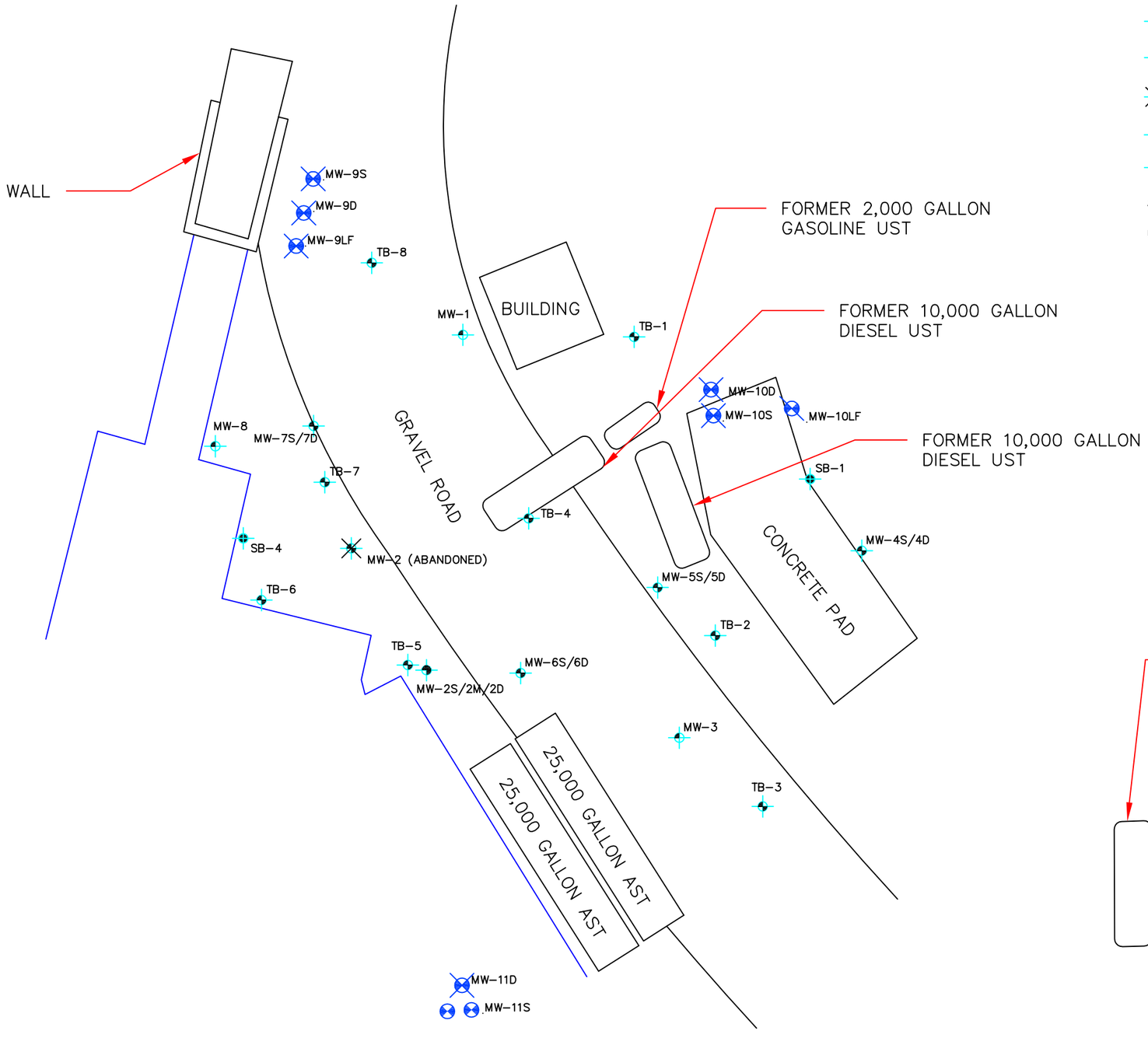
ENVIRONMENTAL MANAGEMENT, INC.

SITE VICINITY MAP

MISSION VALLEY ROCK CO.
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

PROJECT NO. EM-5009A

FIGURE 1



MW-9S	New groundwater monitoring well – single completion
MW-1	Existing groundwater monitoring well – single completion
MW-7S/7D	Existing groundwater monitoring well – dual nested
MW-2S/SM/2D	Existing groundwater monitoring well – triple nested
MW-2	Abandoned groundwater monitoring well
TB-1	Grab groundwater sample location
SB-1	Temporary soil boring location
ATS =	Aboveground storage tank
UTS =	Underground storage tank

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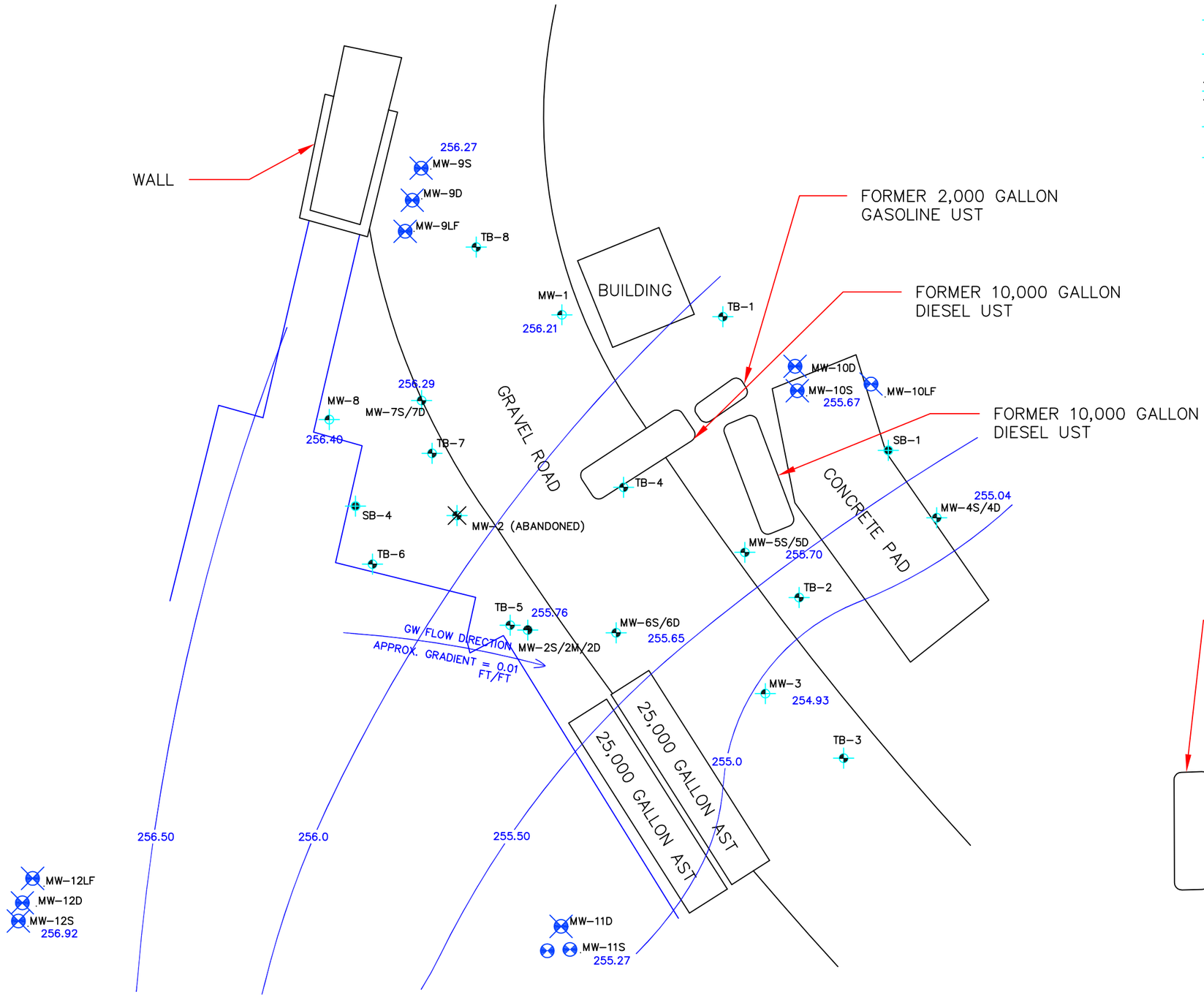
MISSON VALLEY ROCK
SITE PLAN

PROJECT NO. EM-5009C

FIGURE 2



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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
ATS =	Aboveground storage tank
UTS =	Underground storage tank
256.29	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
–255.50–	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

SCALE 0 30 60 90 120

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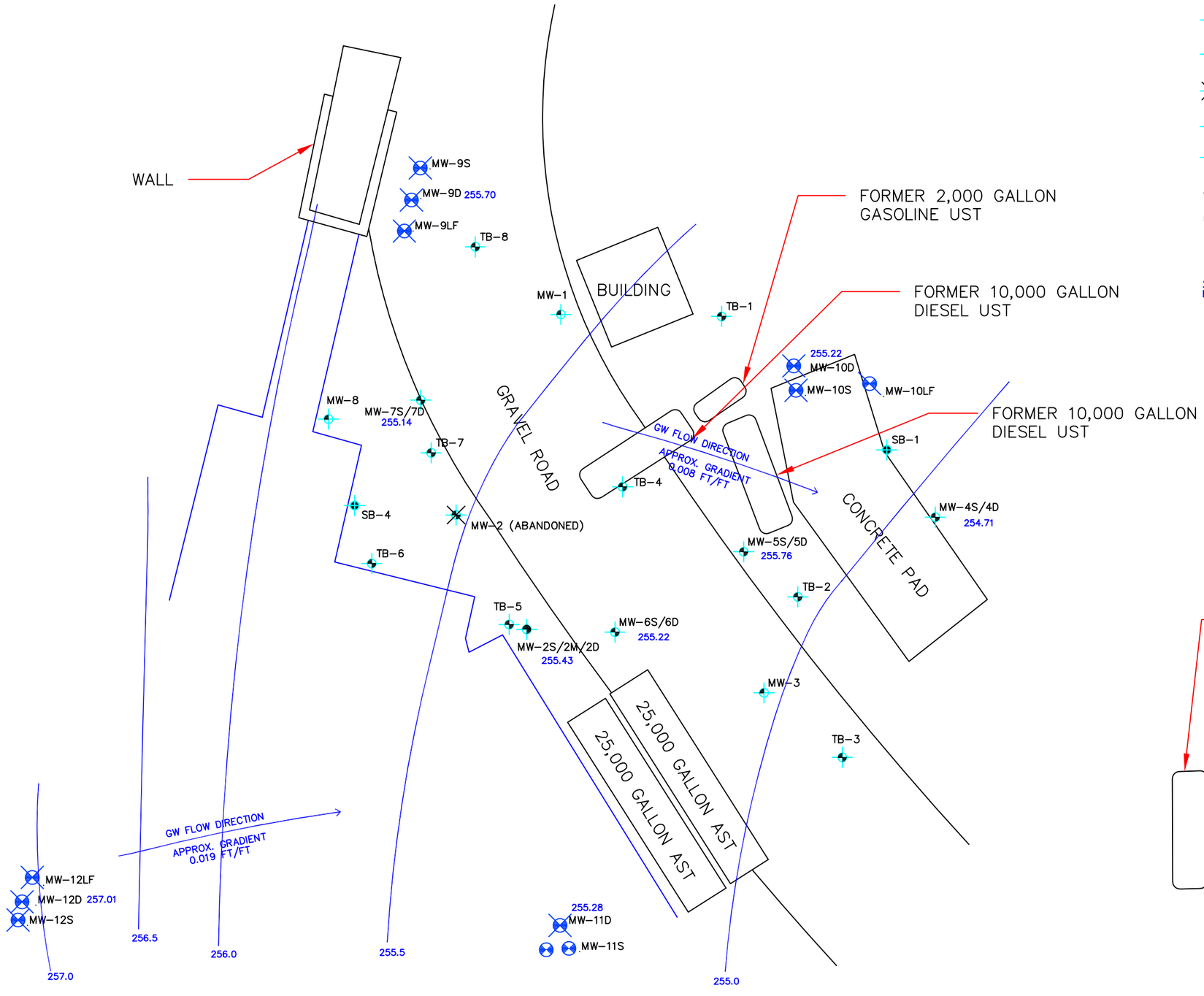
MISSON VALLEY ROCK
SECOND QUARTER 2006
GROUNDWATER CONTOUR MAP
(SHALLOW ZONE)

PROJECT NO. EM-5009C

FIGURE 3



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MW-2	Abandoned groundwater monitoring well
TB-1	Grab groundwater sample location
SB-1	Temporary soil boring location
ATS =	Aboveground storage tank
UTS =	Underground storage tank

255.22 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
–255.5– GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL
255.76* ANOMALOUS GROUNDWATER ELEVATION NOT USED FOR CONTOURING

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

SCALE 0 30 60 90 120

TAR
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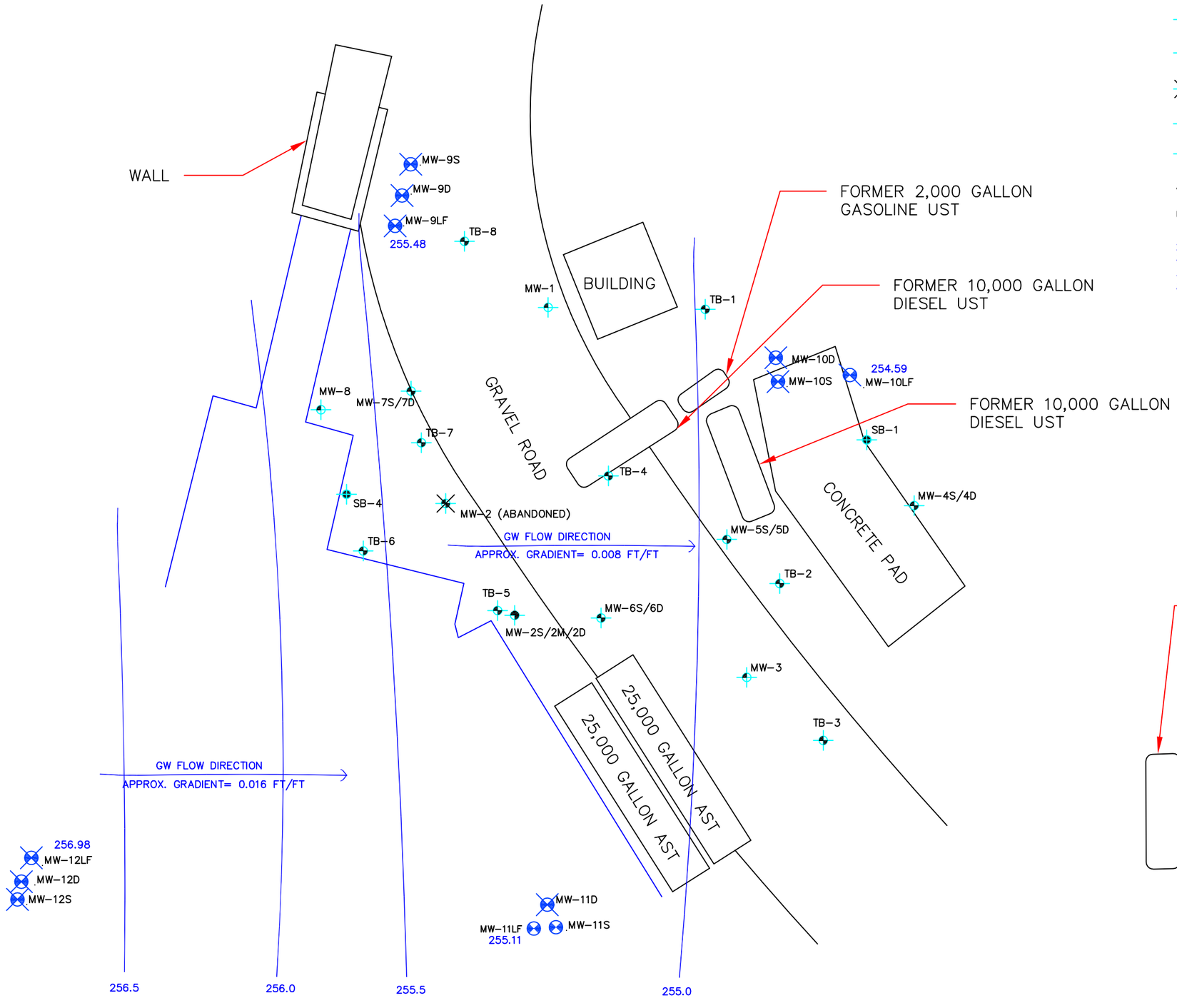
MISSON VALLEY ROCK

SECOND QUARTER 2006
GROUNDWATER CONTOUR MAP
DEEP ZONE

PROJECT NO. EM-5009C

FIGURE 4



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MW-2	Abandoned groundwater monitoring well
TB-1	Grab groundwater sample location
SB-1	Temporary soil boring location
ATS =	Aboveground storage tank
UTS =	Underground storage tank

255.48 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

–255.5– GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

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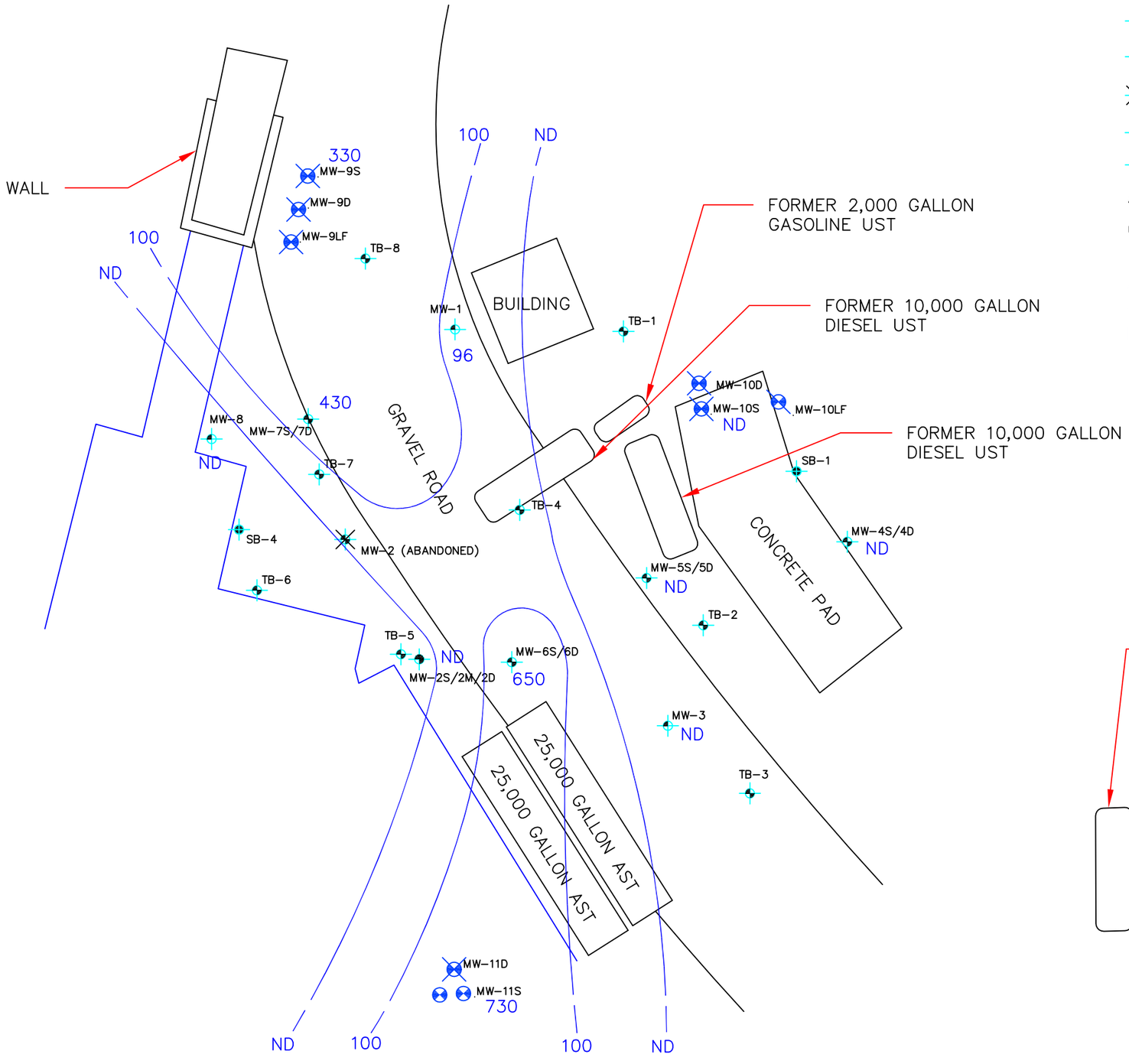
MISSON VALLEY ROCK

SECOND QUARTER 2006
GROUNDWATER CONTOUR MAP
(LIVERMORE FORMATION)

PROJECT NO. EM-5009C

FIGURE 5



MW-9S	New groundwater monitoring well – single completion
MW-1	Existing groundwater monitoring well – single completion
MW-7S/7D	Existing groundwater monitoring well – dual nested
MW-2S/SM/2D	Existing groundwater monitoring well – triple nested
MW-2	Abandoned groundwater monitoring well
TB-1	Grab groundwater sample location
SB-1	Temporary soil boring location
ATS =	Aboveground storage tank
UTS =	Underground storage tank

430 TPHG CONCENTRATION (UG/L)
–100– TPHG CONTOUR (UG/L)
ND NOT DETECTED ABOVE REPORTING LIMIT

APPROXIMATE LOCATION OF
FORMER 10,000 GALLON
DIESEL UST/AST (D4)

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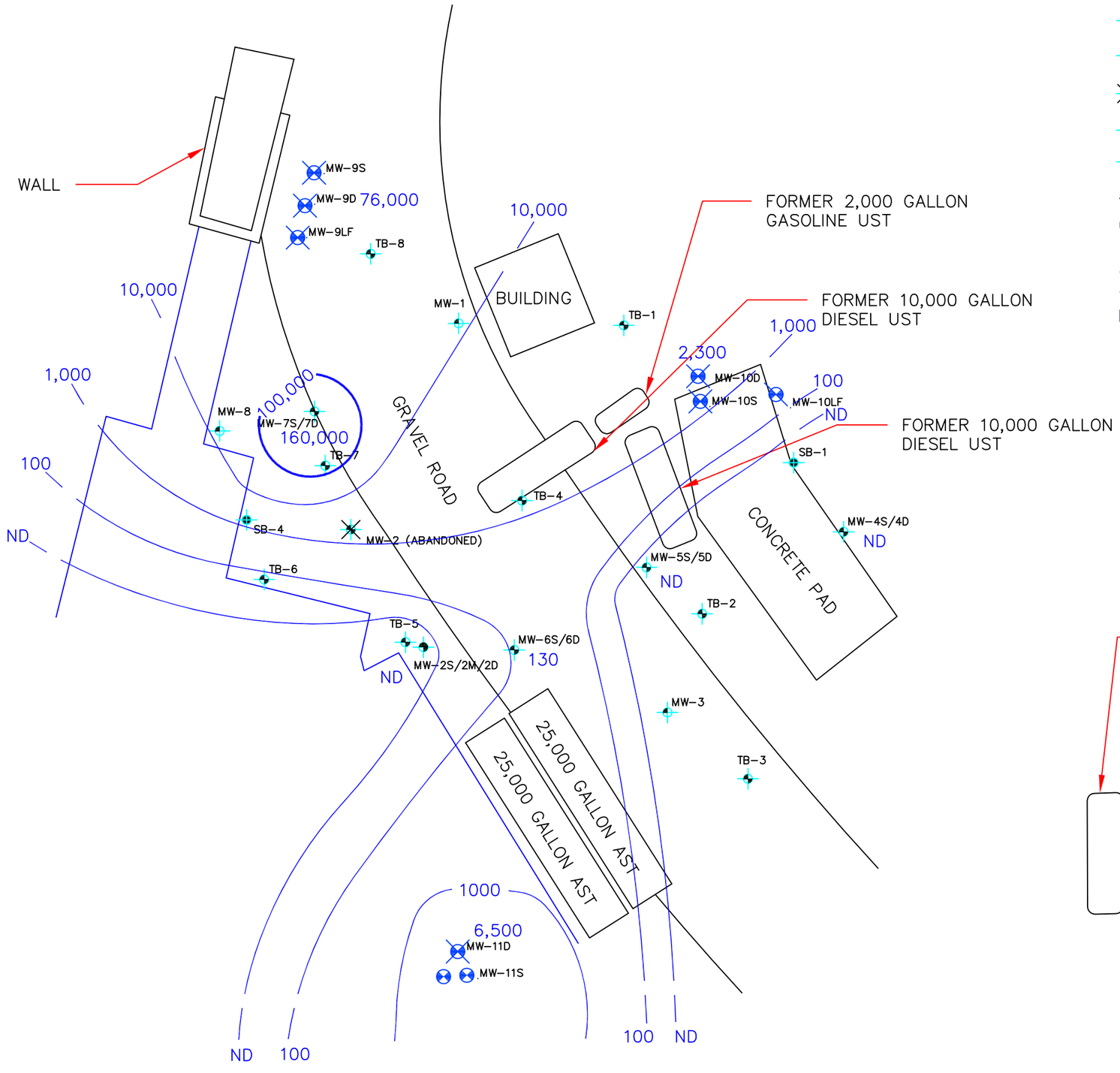
MISSON VALLEY ROCK

SECOUND QUARTER 2006
TPHG CONCENTRATIONS IN GROUNDWATER
(SHALLOW ZONE)

PROJECT NO. EM-5009C

FIGURE 6



MW-9S	New groundwater monitoring well – single completion
MW-1	Existing groundwater monitoring well – single completion
MW-7S/7D	Existing groundwater monitoring well – dual nested
MW-2S/SM/2D	Existing groundwater monitoring well – triple nested
MW-2	Abandoned groundwater monitoring well
TB-1	Grab groundwater sample location
SB-1	Temporary soil boring location
ATS =	Aboveground storage tank
UTS =	Underground storage tank

2,300 TPHG CONCENTRATION (UG/L)
–100– TPHG CONTOUR (UG/L)
ND NOT DETECTED ABOVE REPORTING LIMIT

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

SCALE

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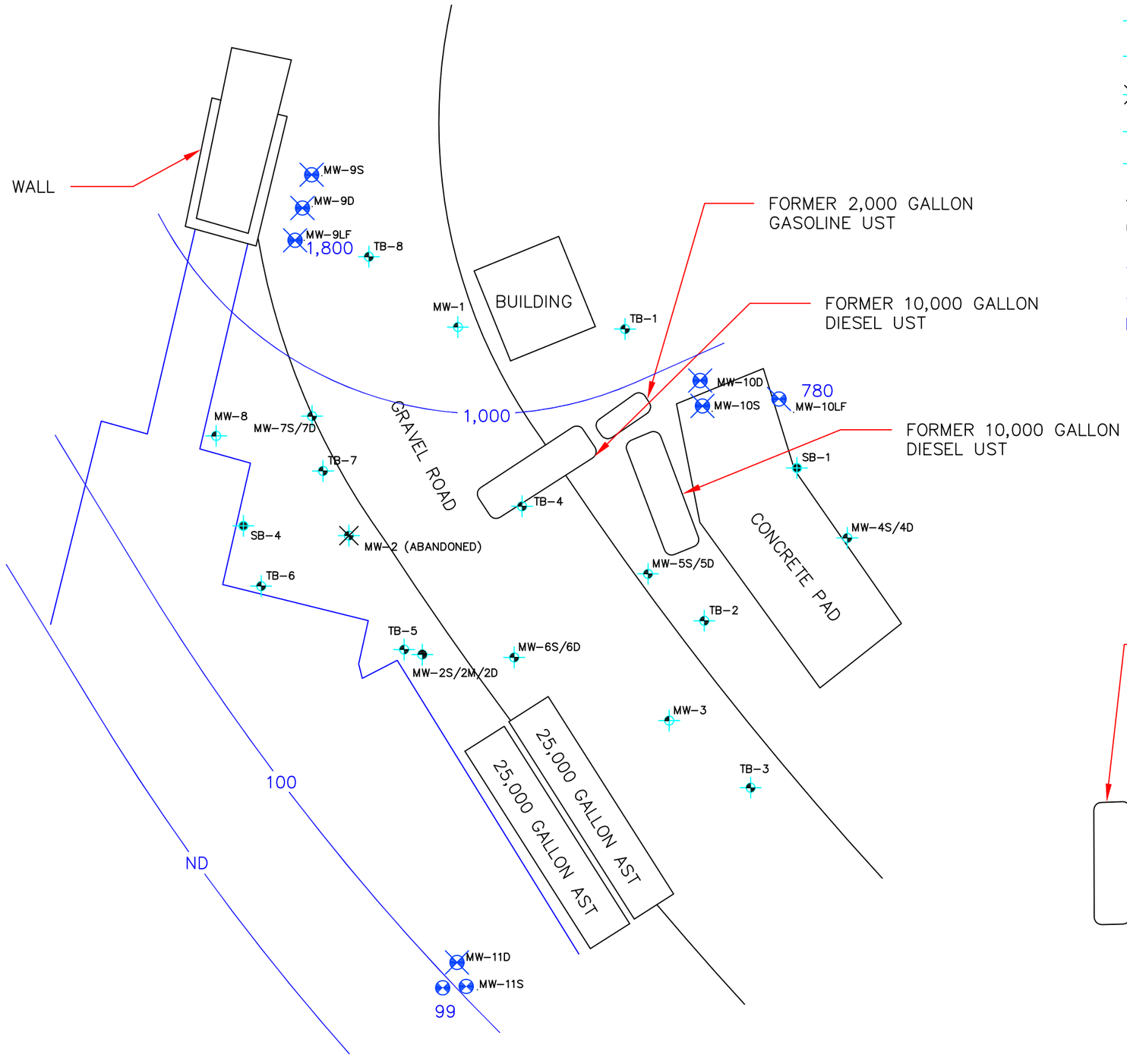
SECOND QUARTER 2006
TPHG CONCENTRATIONS IN GROUNDWATER
(DEEP ZONE)

PROJECT NO. EM-5009C | FIGURE 7



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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
ATS =	Aboveground storage tank
UTS =	Underground storage tank

780 TPHG CONCENTRATION (UG/L)
–100– TPHG CONTOUR (UG/L)
ND NOT DETECTED ABOVE REPORTING LIMIT

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

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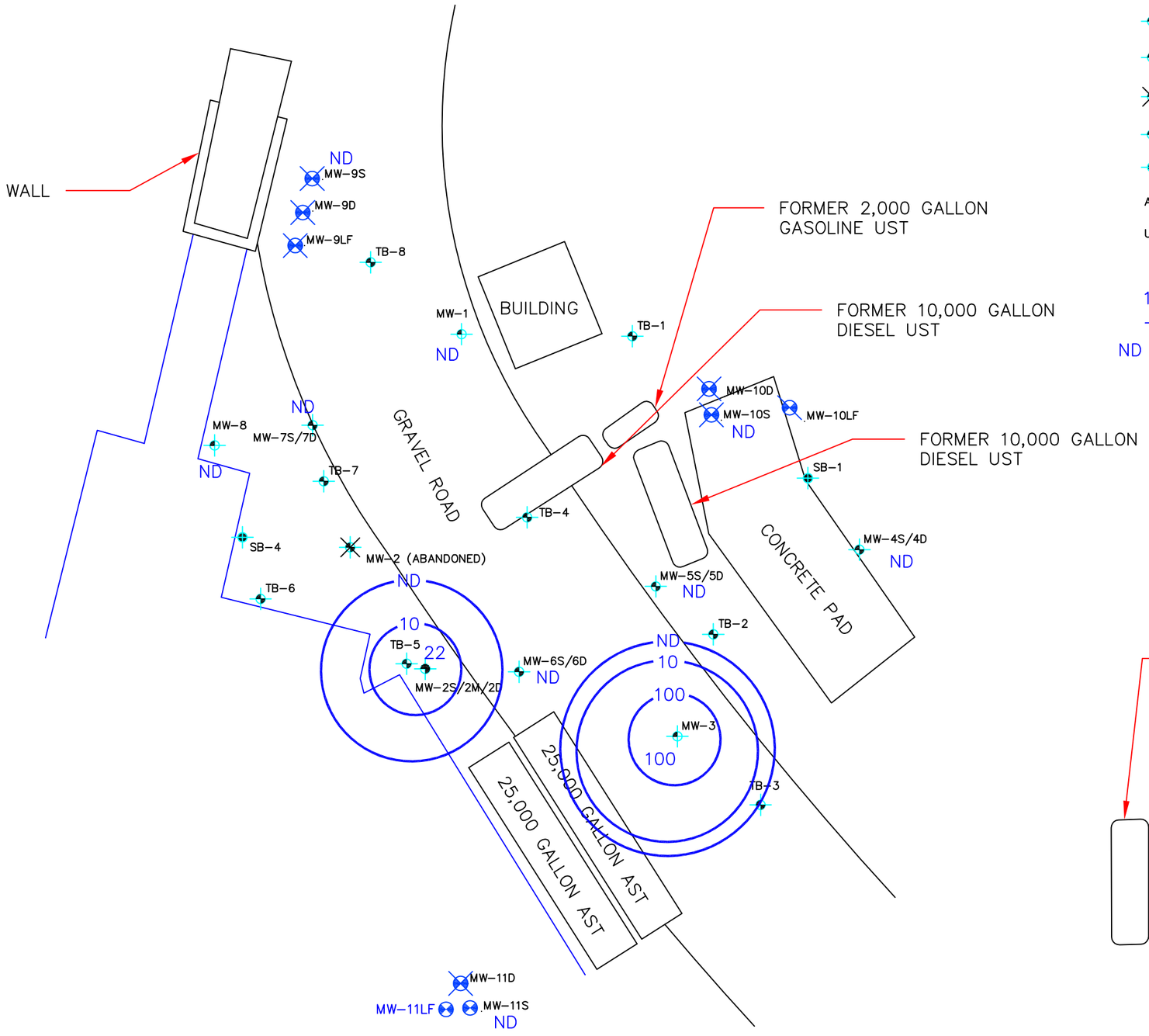
MISSON VALLEY ROCK

SECOND QUARTER 2006
TPHG CONCENTRATIONS IN GROUNDWATER
(LIVERMORE FORMATION)

PROJECT NO. EM-5009C | FIGURE 8



MW-9S	New groundwater monitoring well – single completion
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MW-2	Abandoned groundwater monitoring well
TB-1	Grab groundwater sample location
SB-1	Temporary soil boring location
ATS =	Aboveground storage tank
UTS =	Underground storage tank

100 MTBE CONCENTRATION (UG/L)
–100– MTBE CONTOUR (UG/L)
ND NOT DETECTED ABOVE REPORTING LIMIT

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

SCALE 0 30 60 90 120

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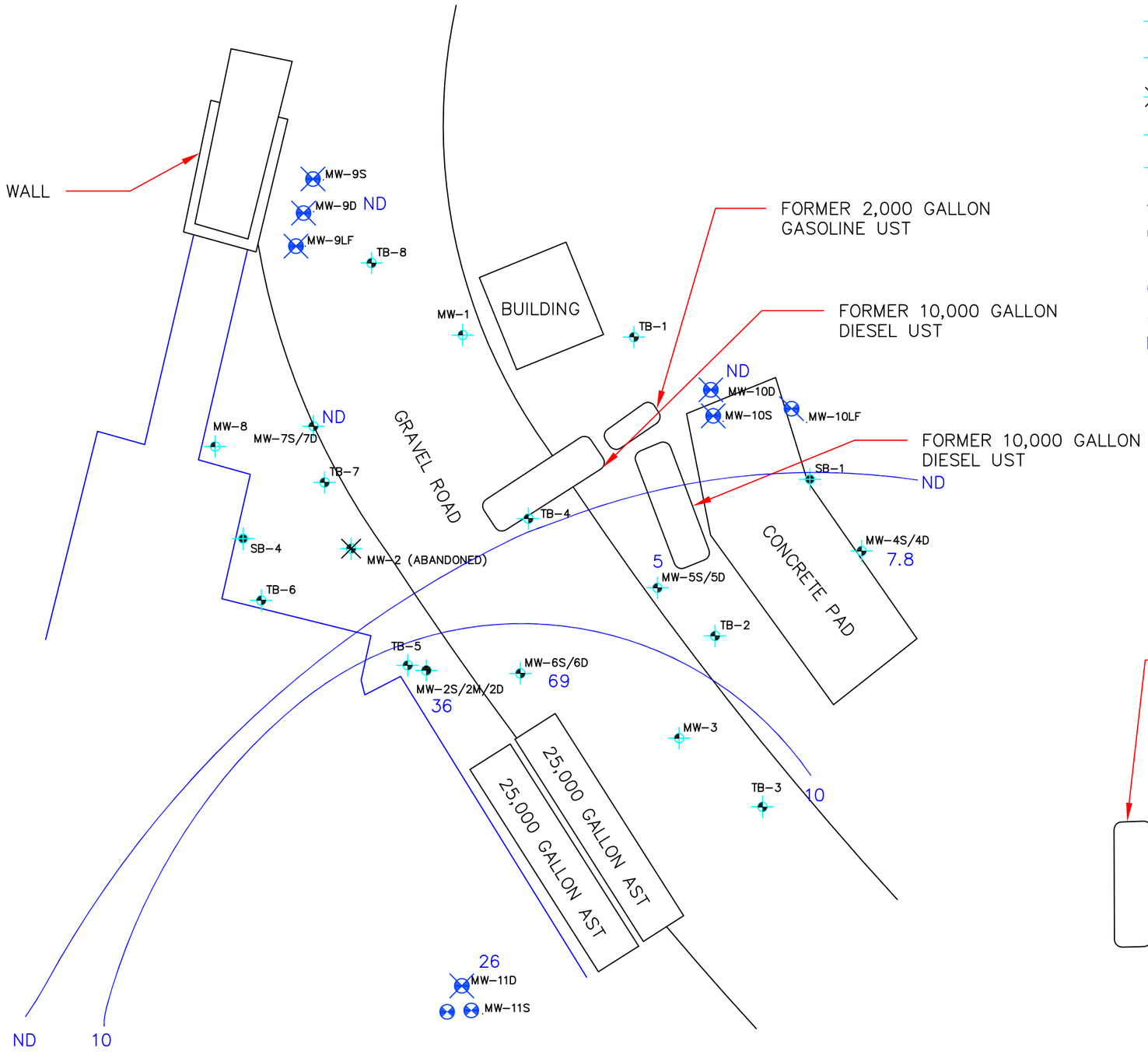
MISSON VALLEY ROCK

SECOND QUARTER 2006
MTBE CONCENTRATIONS IN GROUNDWATER
(SHALLOW ZONE)

PROJECT NO. EM-5009C

FIGURE 9



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TB-1	Grab groundwater sample location
SB-1	Temporary soil boring location
ATS =	Aboveground storage tank
UTS =	Underground storage tank

69 MTBE CONCENTRATION (UG/L)

–10– MTBE CONTOUR (UG/L)

ND NOT DETECTED ABOVE REPORTING LIMIT

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

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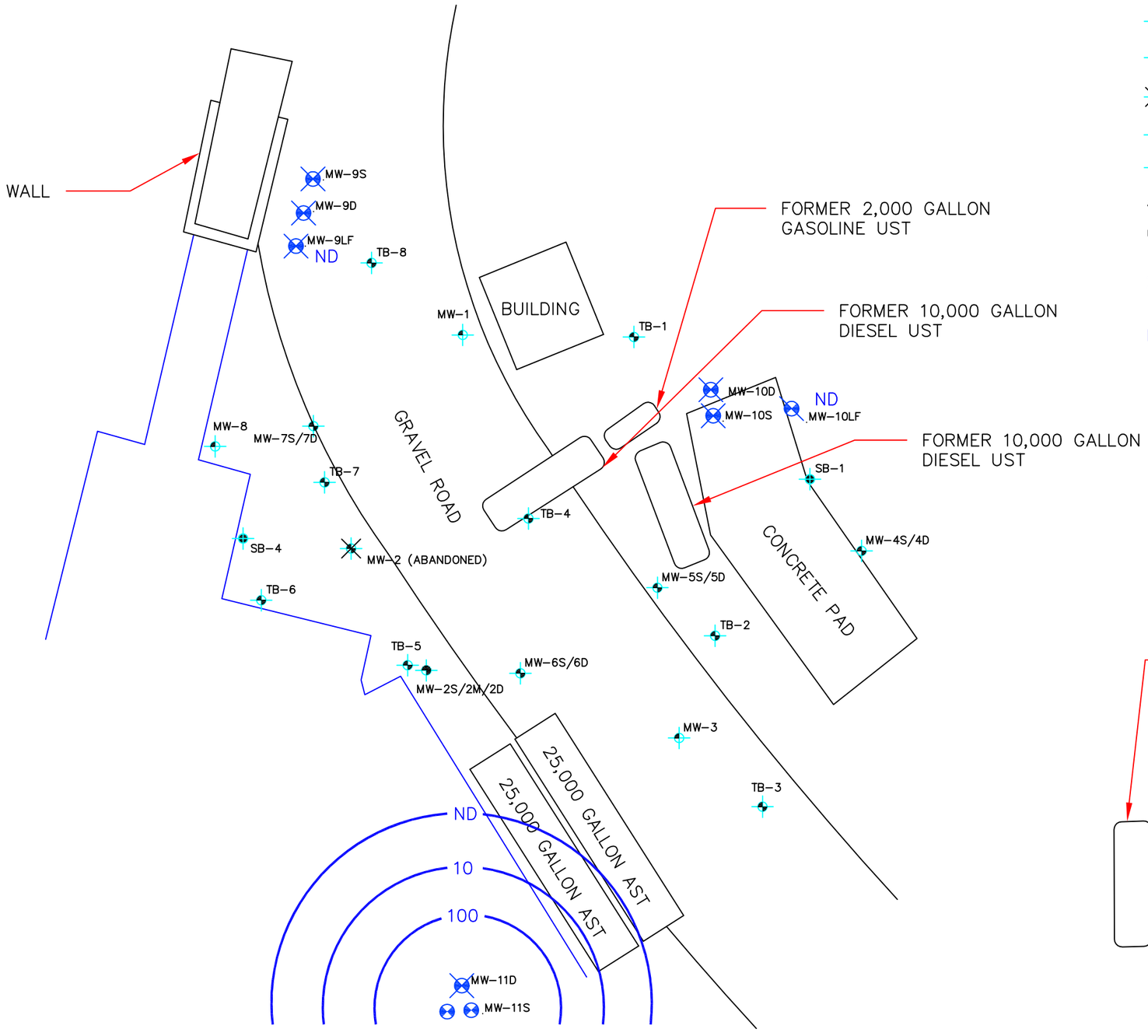
MISSON VALLEY ROCK

SECOND QUARTER 2006
MTBE CONCENTRATIONS IN GROUNDWATER
(DEEP ZONE)

PROJECT NO. EM-5009C | FIGURE 10



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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
ATS =	Aboveground storage tank
UTS =	Underground storage tank

240 MTBE CONCENTRATION (UG/L)
–10– MTBE CONTOUR (UG/L)
ND NOT DETECTED ABOVE REPORTING LIMIT

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

701 N. PARKCENTER DRIVE
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
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ENVIRONMENTAL MANAGEMENT, INC.

MISSON VALLEY ROCK

SECOND QUARTER 2006
MTBE CONCENTRATIONS IN GROUNDWATER
(LIVERMORE FORMATION)

PROJECT NO. EM-5009C | FIGURE 11

MW–9S	New groundwater monitoring well – single completion
MW–1	Existing groundwater monitoring well – single completion
MW–7S/7D	Existing groundwater monitoring well – dual nested
MW–2S/SM/2D	Existing groundwater monitoring well – triple nested
MW–2	Abandoned groundwater monitoring well
TB–1	Grab groundwater sample location
SB–1	Temporary soil boring location
ATS =	Aboveground storage tank
UTS =	Underground storage tank

ND BENZENE CONCENTRATION (UG/L)

ND NOT DETECTED ABOVE REPORTING LIMIT

WALL

ND MW–9S

MW–9D

MW–9LF

TB–8

ND MW–1

BUILDING

TB–1

FORMER 2,000 GALLON GASOLINE UST

FORMER 10,000 GALLON DIESEL UST

FORMER 10,000 GALLON DIESEL UST

MW–10D

MW–10S

MW–10LF

ND

SB–1

ND MW–8

ND MW–7S/7D

TB–7

GRAVEL ROAD

TB–4

CONCRETE PAD

ND MW–4S/4D

SB–4

MW–2 (ABANDONED)

MW–5S/5D

ND

TB–6

TB–2

TB–5

ND

ND MW–6S/6D

MW–2S/2M/2D

MW–3

ND

TB–3

25,000 GALLON AST

25,000 GALLON AST

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

MW–12LF

MW–12D

MW–12S

ND

MW–11D

MW–11S

ND

0 30 60 90 120

SCALE

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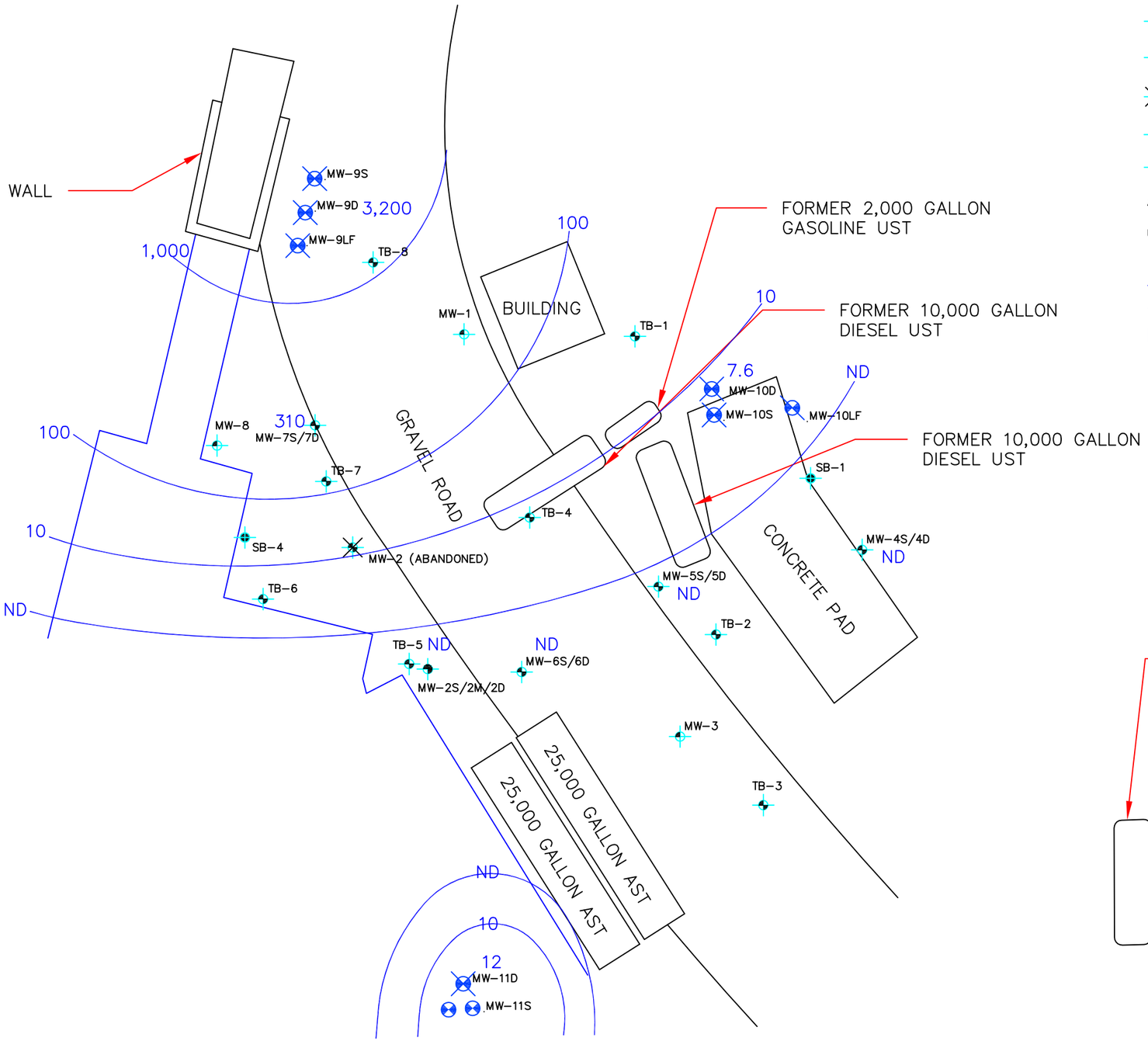
ENVIRONMENTAL MANAGEMENT, INC.

MISSON VALLEY ROCK

SECOND QUARTER 2006
BENZENE CONCENTRATIONS IN GROUNDWATER
(SHALLOW ZONE)

PROJECT NO. EM–5009C

FIGURE 12



MW-9S	New groundwater monitoring well – single completion
MW-1	Existing groundwater monitoring well – single completion
MW-7S/7D	Existing groundwater monitoring well – dual nested
MW-2S/SM/2D	Existing groundwater monitoring well – triple nested
MW-2	Abandoned groundwater monitoring well
TB-1	Grab groundwater sample location
SB-1	Temporary soil boring location
ATS =	Aboveground storage tank
UTS =	Underground storage tank

310 BENZENE CONCENTRATION (UG/L)
–10– BENZENE CONTOUR (UG/L)
ND NOT DETECTED ABOVE REPORTING LIMIT

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

SCALE 0 30 60 90 120

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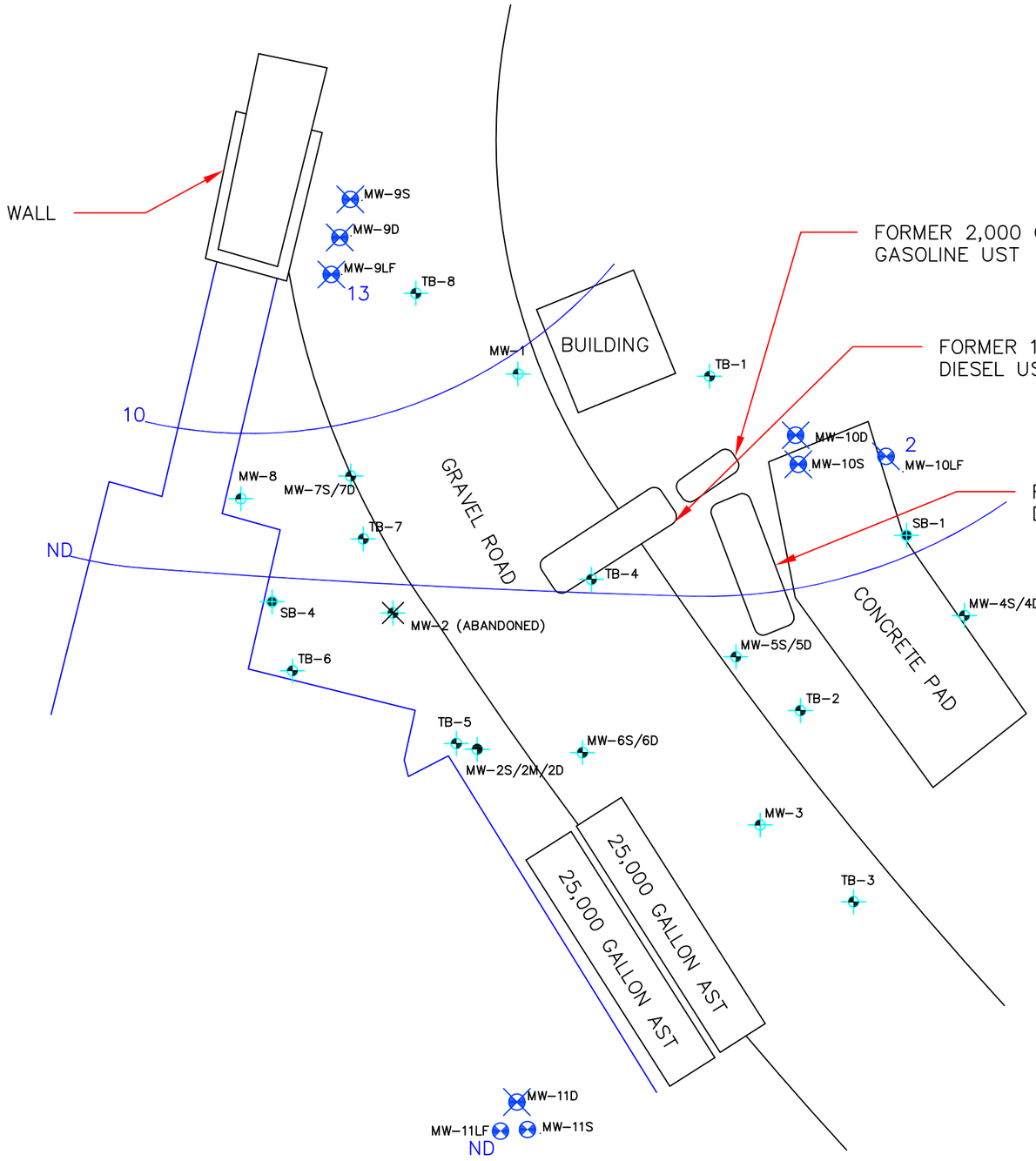
MISSON VALLEY ROCK

SECOND QUARTER 2006
BENZENE CONCENTRATIONS IN GROUNDWATER
(DEEP ZONE)

PROJECT NO. EM-5009C

FIGURE 13



MW-9S	New groundwater monitoring well – single completion
MW-1	Existing groundwater monitoring well – single completion
MW-7S/7D	Existing groundwater monitoring well – dual nested
MW-2S/SM/2D	Existing groundwater monitoring well – triple nested
MW-2	Abandoned groundwater monitoring well
TB-1	Grab groundwater sample location
SB-1	Temporary soil boring location
ATS =	Aboveground storage tank
UTS =	Underground storage tank

13 BENZENE CONCENTRATION (UG/L)
–10– BENZENE CONTOUR (UG/L)
ND NOT DETECTED ABOVE REPORTING LIMIT

APPROXIMATE LOCATION OF FORMER 10,000 GALLON DIESEL UST/AST (D4)

0 30 60 90 120
SCALE

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ENVIRONMENTAL MANAGEMENT, INC.

MISSON VALLEY ROCK

SECOND QUARTER 2006
BENZENE CONCENTRATION IN GROUNDWATER
(LIVERMORE FORMATION)

PROJECT NO. EM-5009C

FIGURE 14

TABLES

Table 1
Well Construction Details and Groundwater Elevation Data
Second Quarter 2006
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	2.47	17.78	5.0 - 20.0	258.68	256.21
MW-2S	2	3.08	8.71	3.0-8.0	258.84	255.76
MW-2M	2	3.39	12.29	14.0-19.0	258.99	255.60
MW-2D	2	3.48	29.54	25.0-30.0	258.91	255.43
MW-3	2	4.15	14.70	5.0-20.0	259.08	254.93
MW-4S	2	4.10	8.35	3.0-8.0	259.14	255.04
MW-4D	2	4.51	23.38	17.0-22.0	259.22	254.71
MW-5S	2	3.73	8.24	3.0-8.0	259.43	255.70
MW-5D	2	3.64	22.65	17.0-22.0	259.40	255.76
MW-6S	2	3.10	15.00	5.0-15.0	258.75	255.65
MW-6D	2	4.05	29.15	24.5-29.5	259.27	255.22
MW-7S	2	2.55	8.48	5.0-8.0	258.84	256.29
MW-7D	2	3.66	23.61	20.0-25.0	258.80	255.14
MW-8	2	2.44	15.30	5.0-15.0	258.84	256.40
MW-9S	2	2.14	12.20	5.3-12.3	258.41	256.27
MW-9D	2	3.16	24.28	18.9-23.9	258.86	255.70
MW-9LF	2	3.46	39.11	33.3-38.3	258.94	255.48
MW-10S	2	5.00	9.58	4.8-9.8	260.67	255.67
MW-10D	2	5.42	19.38	15.5-20.5	260.64	255.22
MW-10LF	2	5.99	39.90	34.4-39.4	260.58	254.59
MW-11S	2	3.69	9.43	4.8-9.8	258.96	255.27
MW-11D	2	3.70	20.50	15.3-20.3	258.98	255.28
MW-11LF	2	3.90	39.41	32.8-37.8	259.01	255.11
MW-12S	2	5.77	11.04	4.6-11.6	262.69	256.92
MW-12D	2	5.69	19.70	16.0-21.0	262.70	257.01
MW-12LF	2	5.92	39.50	33.7-38.7	262.90	256.98

Note:

Screened intervals are approximated. Screened interval in wells is lower than the measured total depth due to silting in the bottom of wells.
The measurement point for the above wells is the north side of the top of casing.
Depth to water and total depth measurements taken by Tait Environmental Management, Inc. personnel on March 2, 2006.
Total depth and depth to water measurements taken by Tait Environmental Management from designated measurement point.
Groundwater Elevation = Measurement Point Elevation - Depth to Water.
TOC = Top of Casing
bgs = Below Ground Surface
MSL = Mean Sea Level

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	06/23/98	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
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	NM
		01/05/05	Abandoned		

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-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
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
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
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

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-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
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
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
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
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
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
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
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

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)
	258.80	03/02/06	5.10	252.97	Gasoline odor
		06/12/06	3.66	255.14	Gasoline odor

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-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
		06/12/06	2.44	256.40	ND
MW-9S	258.41	06/12/06	2.14	256.27	ND
MW-9D	258.86	06/12/06	3.16	255.70	ND
MW-9LF	258.94	06/12/06	3.46	255.48	ND
MW-10S	260.67	06/12/06	5.00	255.67	ND
MW-10D	260.64	06/12/06	5.42	255.22	ND
MW-10LF	260.58	06/12/06	5.99	254.59	ND
MW-11S	258.96	06/12/06	3.69	255.27	ND
MW-11D	258.98	06/12/06	3.70	255.28	ND
MW-11LF	259.01	06/12/06	3.90	255.11	ND
MW-12S	262.69	06/12/06	5.77	256.92	ND
MW-12D	262.70	06/12/06	5.69	257.01	ND
MW-12LF	262.90	06/12/06	5.92	256.98	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
Second Quarter 2006
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	6/13/2006	ND<50	96	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<10
MW-2S	6/13/2006	8700	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	22	ND<10
MW-2M	6/13/2006	ND<50	130	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<10
MW-2D	6/13/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	36	ND<10
MW-3	6/12/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	100	ND<10
MW-4S	6/12/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<10
MW-4D	6/12/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	7.8	ND<10
MW-5S	6/12/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<10
MW-5D	6/12/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	5	ND<10
MW-6S	6/14/2006	1300	650	ND<0.5	1.7	1.9	2	ND<1.0	ND<10
MW-6D	6/14/2006	ND<50	130	ND<0.5	3	1.1	2.6	69	ND<10
MW-7S	6/14/2006	ND<50	430	ND<0.5	ND<0.5	6.1	14.5	ND<1.0	ND<10
MW-7D	6/14/2006	ND<50	160000	310	2400	4500	9800	ND<1.0	ND<10
MW-8	6/12/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<10
MW-9S	6/14/2006	ND<50	330	ND<0.5	ND<0.5	3	ND<1.0	ND<1.0	ND<10
MW-9D	6/14/2006	ND<50	76000	3200	13000	2700	9200	ND<1.0	ND<10
MW-9LF	6/14/2006	ND<50	1800	13	17	30	36	ND<1.0	ND<10
MW-10S	6/13/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<10
MW-10D	6/13/2006	ND<50	2300	7.6	2.4	66	6.6	ND<1.0	ND<10
MW-10LF	6/13/2006	ND<50	780	2.0	2.4	1.1	4.6	ND<1.0	ND<10

Table 3
Groundwater Analytical Results
Second Quarter 2006
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-11S	6/14/2006	ND<50	730	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<10
MW-11D	6/14/2006	18000	6500	12	4.4	11	22	26	ND<10
MW-11LF	6/14/2006	1100	99	ND<0.5	ND<0.5	ND<0.5	ND<1.0	240	ND<10
MW-12S	6/13/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<10
MW-12D	6/13/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<10
MW-12LF	6/13/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	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.

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	06/23/98	0.1	3,100	19	2.3	91	48	110
	10/01/98	0.1	2,300	3.1	4.2	5.0	15	ND<0.5
	01/05/99	350	ND<50	12	7.5	20	6.2	ND<5.0
	03/29/99	190	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/10/99	210	1,800	1.2	0.9	1.5	4.6	ND<0.5
	09/17/99	62	180	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	12/27/99	290	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	03/22/00	86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/30/00	70	450	2.1	ND<0.5	2.1	1.4	7.6
	09/14/00	ND<50	850	5.4	ND<0.5	9.4	2.6	9.8
	12/20/00	ND<1,000	370	5.3	ND<1.0	2.7	ND<3.0	55
	03/22/01	ND<1,000	700	ND<1.0	ND<1.0	1.4	ND<1.0	ND<1.0
	06/27/01	ND<1,000	170	ND<1.0	ND<1.0	1.2	ND<1.0	ND<1.0
	09/21/01	ND<1,000	730	1.4	ND<1.0	7.6	1.2	ND<1.0
	12/27/01	1000	500	15	ND<1.0	27	5.5	ND<1.0
	03/29/02	12000	29000	50	ND<25	960	290	ND<25
	06/13/02	ND<1,000	1400	3.5	ND<1.0	42	7.9	ND<1.0
	09/27/02	1400	760	ND<1.0	ND<1.0	4.3	1.1	ND<1.0
	12/03/02	ND<1,000	1600	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	03/31/03	ND<1,000	620	1.2	ND<1.0	12	ND<1.0	ND<1.0
	06/27/03	ND<1,000	0.61	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	09/19/03	ND<1,000	1.2	ND<1.0	ND<1.0	6.4	ND<1.0	ND<1.0
	12/22/03	ND<1,000	0.49	ND<1.0	ND<1.0	3.0	ND<1.0	ND<1.0
	01/17/05	ND<50	63	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	05/04/05	ND<50	1200	ND<0.5	ND<0.5	8.5	1.2	ND<1.0
	08/12/05	ND<50	410	ND<0.5	ND<0.5	2.4	ND<0.5	ND<1.0
	12/13/05	ND<50	750	3.8	ND<0.5	4.2	ND<1.0	ND<1.0
	03/03/06	ND<50	310	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
	06/13/06	ND<50	96	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
MW-2	06/23/98	12,000	2,500	0.68	ND<0.50	1.2	0.57	14
	10/01/98	4,300	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	01/05/99	38,000	ND<5,000	ND<50	ND<50	51	190	ND<500
	03/29/99	580	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/10/99	4,500	24,000	38	27	41	98	ND<0.5
	09/17/99	24,000	1,400	ND<0.5	ND<0.5	ND<0.5	ND<0.5	27
	12/27/99	2,300	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	03/22/00	620	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/30/00	1,700	270	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17
	09/14/00	5,800	130	ND<0.5	ND<0.5	ND<0.5	0.94	12
	12/20/00	19,000	1700	ND<50	ND<50	ND<50	ND<150	ND<250
	03/22/01	610000	3300	ND<1.0	ND<1.0	ND<1.0	ND<1.0	9.0
	06/27/01	8800	1800	ND<1.0	ND<1.0	ND<1.0	ND<1.0	6.7
	09/21/01	530000	7000	ND<50	ND<50	ND<50	ND<50	ND<50
	12/27/01	27000	310	ND<1.0	ND<1.0	ND<1.0	ND<1.0	62
	03/29/02	65000	130	ND<1.0	ND<1.0	ND<1.0	ND<1.0	30
	06/13/02	130000	460	ND<1.0	ND<1.0	ND<1.0	ND<1.0	24
	09/27/02	480000	290	ND<1.0	ND<1.0	ND<1.0	ND<1.0	16
	12/03/02	61000	1800	ND<1.0	ND<1.0	ND<1.0	ND<1.0	10
	03/31/03	5000	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	14
	06/27/03	8.1	360	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20
	09/19/03	85	12	ND<1.0	ND<1.0	ND<1.0	ND<1.0	15
	12/22/03	NS						
	01/17/05	Abandoned						
MW-2S	01/17/05	1100	730	ND<0.5	ND<0.5	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
	03/03/06	5900	160	ND<0.5	ND<0.5	ND<0.5	ND<1.0	21
	06/13/06	8700	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	22
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
	03/03/06	ND<50	290	ND<0.5	ND<0.5	0.5	ND<1.0	17
	06/13/06	ND<50	130	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0

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-2D	01/17/05	1800	1000	6.5	ND<0.5	80	71	62
	05/04/05	ND<50	250	ND<0.5	ND<0.5	4.6	1.6	72
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	2.8	1.1	51
	12/12/05	ND<50	200	ND<0.5	ND<0.5	ND<0.5	ND<1.0	39
	03/03/06	ND<50	140	ND<0.5	ND<0.5	ND<0.5	ND<1.0	38
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	36
MW-3	06/23/98	12,000	300	0.80	ND<0.5	ND<0.5	ND<0.5	150
	10/01/98	6400	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	01/05/99	5,600	ND<100	1.6	1.4	ND<1.0	ND<1.0	110
	03/29/99	150	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/10/99	620	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	09/17/99	1,500	230	ND<0.5	ND<0.5	ND<0.5	ND<0.5	89
	12/27/99	58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	03/22/00	94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	06/30/00	240	170	ND<0.5	0.52	ND<0.5	ND<0.5	100
	09/14/00	850	170	0.81	ND<0.5	ND<0.5	ND<0.5	68
	12/20/00	1600	230	ND<1.0	ND<1.0	ND<1.0	ND<3.0	80
	03/22/01	1100	140	ND<1.0	ND<1.0	ND<1.0	ND<1.0	83
	06/27/01	NS	NS	NS	NS	NS	NS	NS
	09/21/01	3800	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	45
	12/27/01	3100	340	1.4	1.1	10	3.8	45
	03/29/02	1500	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	50
	06/13/02	ND<1000	160	ND<1.0	ND<1.0	ND<1.0	ND<1.0	36
	09/27/02	ND<1000	ND<1000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	43
	12/03/02	ND<1000	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	41
	03/31/03	ND<1000	ND<100	ND<2.5	ND<2.5	ND<2.5	ND<2.5	92
	06/27/03	1200.0	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
	12/22/03	5700	190	ND<2.0	ND<2.0	ND<2.0	ND<2.0	56
	01/17/05	ND<50	590	ND<0.5	ND<0.5	ND<0.5	ND<0.5	47
	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
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	140
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	100
MW-4S	01/17/05	ND<50	65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	2.2	5.8	ND<1.0
	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
	06/12/06	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<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	08/12/05	ND<50	410	ND<0.5	2.20	10.0	25.5	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
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	7.8
MW-5S	01/17/05	ND<50	ND<50	ND<0.5	4.5	ND<0.5	ND<0.5	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	08/11/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6
	12/12/05	ND<50	ND<50	3.4	1.3	ND<0.5	ND<1.0	ND<1.0
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
MW-5D	01/17/05	ND<50	210	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10
	08/11/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6
	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	5
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	5
MW-6S	01/17/05	2800	1600	6.1	ND<0.5	3.6	2.3	160
	05/04/05	ND<50	750	ND<0.5	ND<0.5	3.0	ND<0.5	160
	08/12/05	1300	1100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	410
	12/12/05	ND<50	1000	ND<0.5	ND<0.5	1.4	ND<1.0	190
	03/03/06	ND<50	940	ND<0.5	ND<0.5	4.9	ND<1.0	60
	06/14/06	1300	650	ND<0.5	1.7	1.9	2	ND<1.0

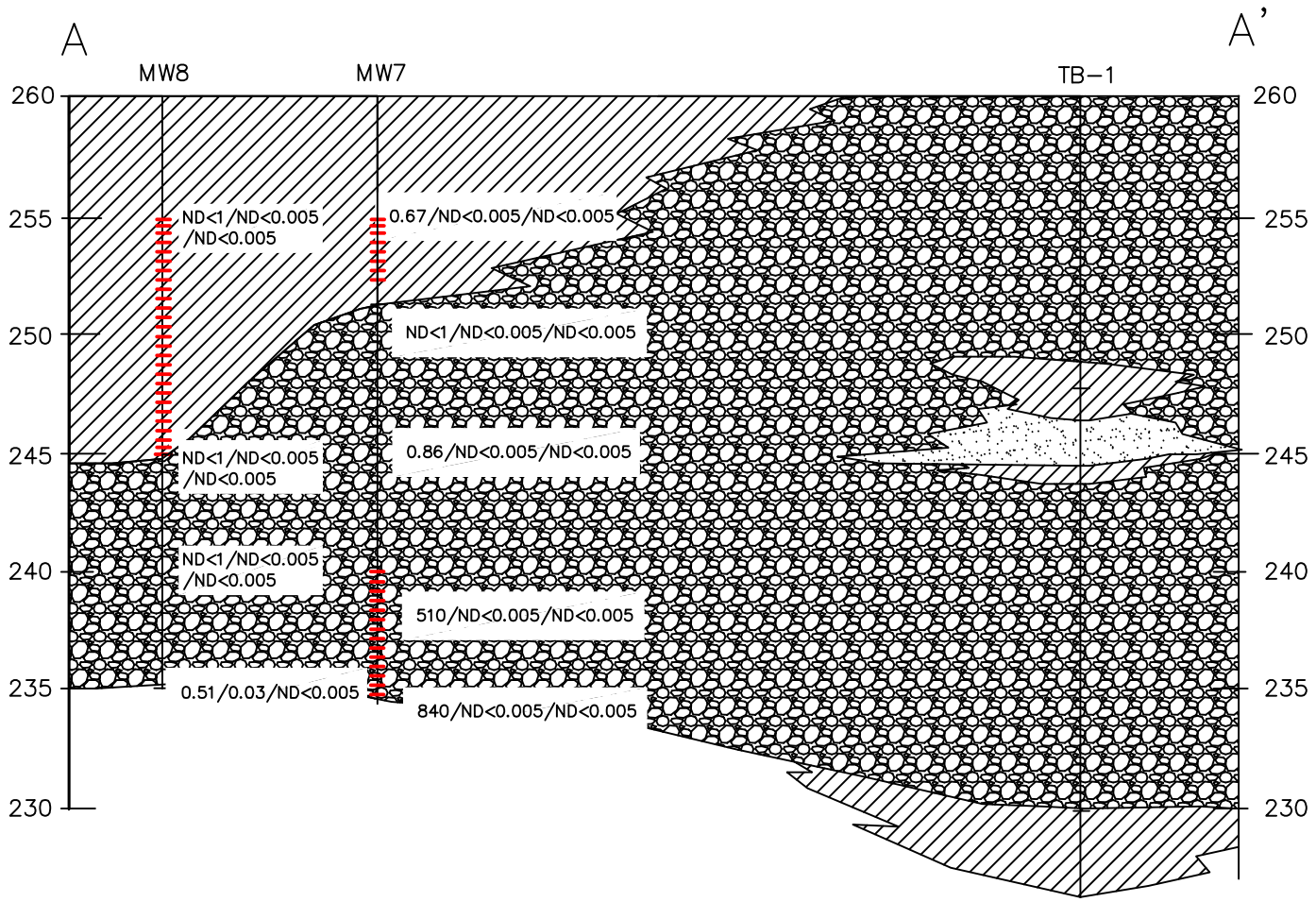
Table 4
Historical Groundwater Analytical Results
Mission Valley Rock Company
Sunol, California

Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)
MW-6D	01/17/05	2100	1200	10	ND<0.5	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<0.5	ND<0.5	ND<0.5	ND<1.0	92
	03/03/06	ND<50	310	ND<0.5	ND<0.5	ND<0.5	ND<1.0	93
	06/14/06	ND<50	130	ND<0.5	3	1.1	2.6	69
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	ND<1.0
	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
	03/03/06	ND<50	630	1.1	9.0	31.0	78	ND<1.0
	06/14/06	ND<50	430	ND<0.5	ND<0.5	6.1	14.5	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
	03/03/06	45000	71000	420	2400	4400	11300	ND<1.0
	06/14/06	ND<50	160000	310	2400	4500	9800	ND<1.0
MW-8	01/17/05	ND<50	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	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
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
MW-9S	05/05/06	ND<50	1300	9	24	40	30	ND<1.0
	06/14/06	ND<50	330	ND<0.5	ND<0.5	3	ND<1.0	ND<1.0
MW-9D	05/05/06	13	88000	5500	15000	4200	15000	ND<1.0
	06/14/06	ND<50	76000	3200	13000	2700	9200	ND<1.0
MW-9LF	05/05/06	ND<50	5400	12	17	190	150	ND<1.0
	06/14/06	ND<50	1800	13	17	30	36	ND<1.0
MW-10S	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
MW-10D	05/05/06	ND<50	5900	24	9	260	23	ND<1.0
	06/13/06	ND<50	2300	8	2	66	7	ND<1.0
MW-10LF	05/05/06	ND<50	860	ND<0.5	11	ND<0.5	5	ND<1.0
	06/13/06	ND<50	780	2	2	1	4.2	ND<1.0
MW-11S	05/05/06	ND<50	11000	ND<0.5	ND<0.5	ND<0.5	ND<1.0	8
	06/14/06	ND<50	730	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
MW-11D	05/05/06	ND<50	13000	20	20	26	77	47
	06/14/06	18000	6500	12	4	11	22	26
MW-11LF	05/05/06	ND<50	1300	ND<0.5	ND<0.5	ND<0.5	3	250
	06/14/06	1100	99	ND<0.5	ND<0.5	ND<0.5	ND<1.0	240
MW-12S	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	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<1.0
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
MW-12LF	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0

Note:
Concentrations reported in micrograms per Liter (ug/L)
MTBE = Methyl-tert-Butyl Ether
ND = Not Detected at or above corresponding reporting limit
NS = Not Sampled
TPHd = Total Petroleum Hydrocarbons as Diesel
TPHd = Total Petroleum Hydrocarbons as Gasoline
NM: Not Measured

APPENDIX A

CROSS SECTIONS



LEGEND

SILTY SAND/SAND

CLAY

GRAVEL

5'

20'

0

0

SCALES

VERTICAL SCALE EXAGGERATED

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

Screen Interval in Well

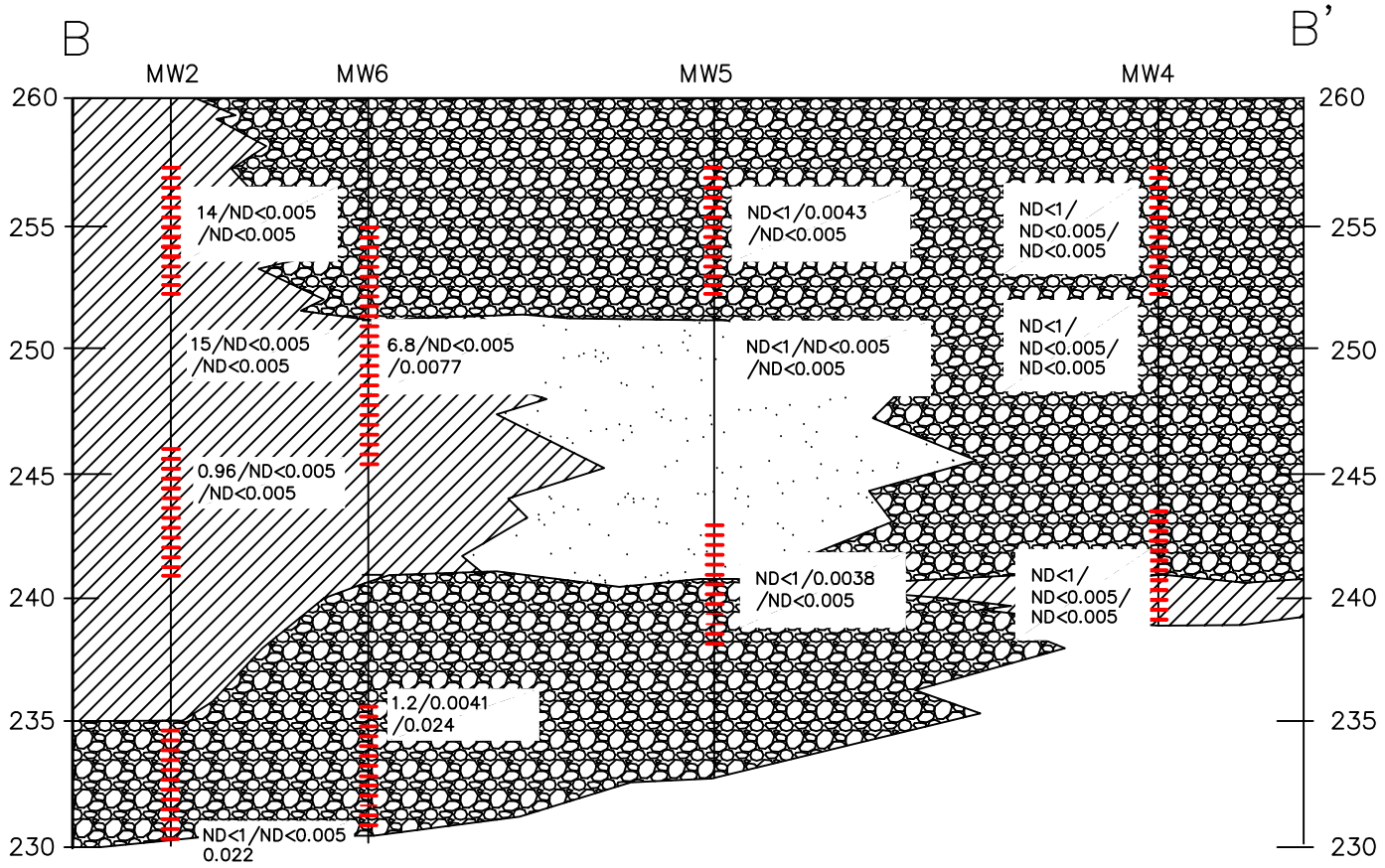
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX
701 N. PARKCENTER DRIVE
ENVIRONMENTAL MANAGEMENT, INC.

MISSION VALLEY ROCK COMPANY
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

EAST-WEST CROSS SECTION
A-A'

PROJECT NO. EM5009A

FIGURE 8



LEGEND

SILTY SAND/SAND

CLAY

GRAVEL

5'

20'

0

0

SCALES

VERTICAL SCALE EXAGGERATED

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

Screen Interval in Well

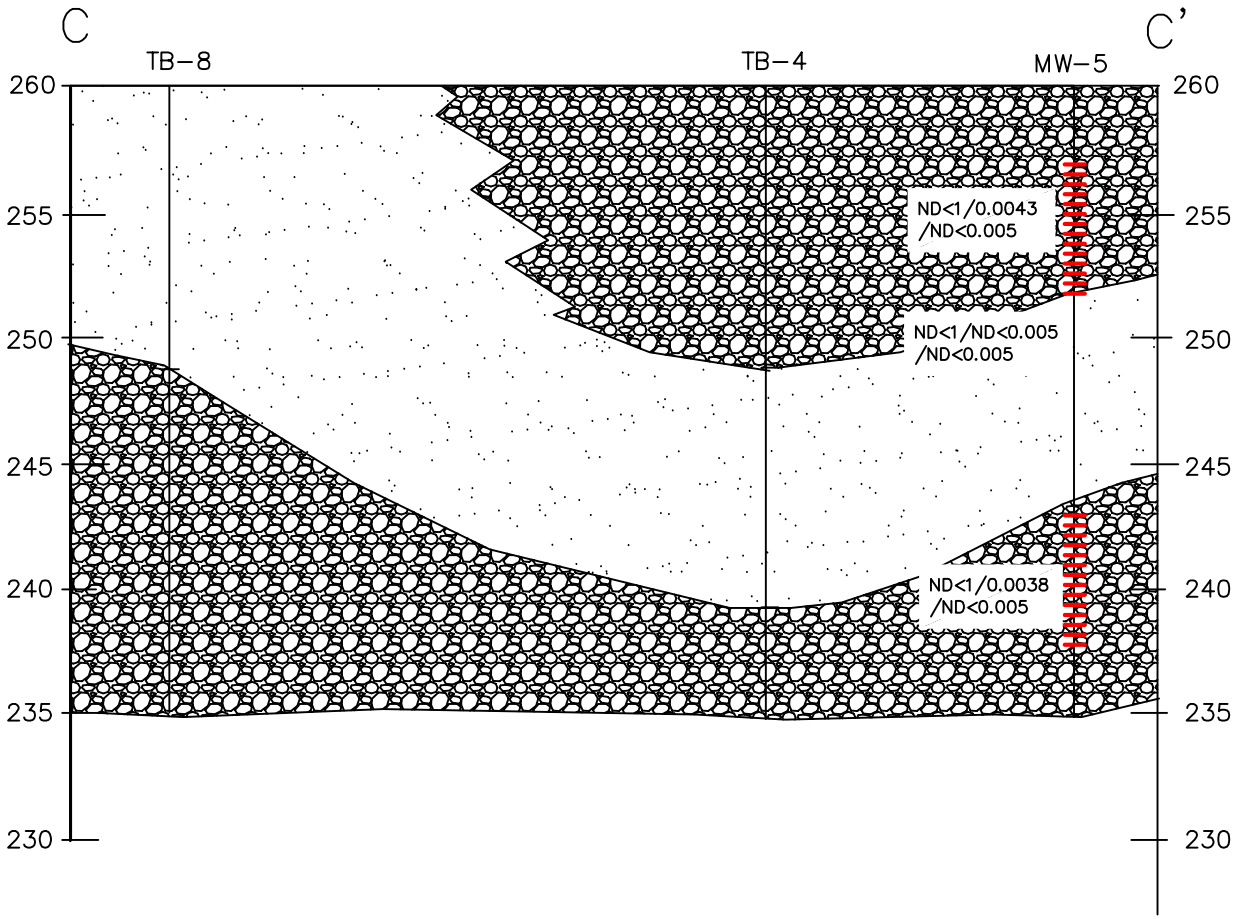
SANTA ANA, CALIFORNIA 92705
(714) 560-8200
(714) 560-8235 FAX
701 N. PARKCENTER DRIVE
ENVIRONMENTAL MANAGEMENT, INC.

MISSION VALLEY ROCK COMPANY
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

EAST-WEST CROSS SECTION B-B'

PROJECT NO. EM5009A

FIGURE 9



LEGEND

SILTY SAND/SAND

GRAVEL

5'

20'

0

0

SCALES

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

Screen Interval in Well

VERTICAL SCALE EXAGGERATED

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

MISSION VALLEY ROCK COMPANY
7999 ATHENOUR WAY
SUNOL, CALIFORNIA

NORTH-SOUTH CROSS SECTION C-C'

PROJECT NO. EM5009A

FIGURE 10

APPENDIX B

SAMPLING DATA SHEETS

10.28

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Page __ of __

Project Name: Misson Valley Rock	**Date:** 6-12-06
Project No.: Em 5009A	**Prepared By:** SR
Well Identification: MW-8	**Weather:** Cloudy (cool) **Screen:**
Measurement Point Description: TOC North	**Pump Intake:** 12 FT

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
N/D	2.44	15.30	12.86	N/D	2.05	6.15	—	—

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: Horiba, WALtera Pump, Inverter

Purge Method: WALtera Pump

Well Condition: OK (Re Taped Bolts Well Box)

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
11:19	1.0	2.0	.333	N/A	N/A	17.7	110	.16	11.0	187	Cloudy
11:27	2.0	4.0	.250	N/A	N/A	17.3	43	.16	11.4	198	Clear
11:36	3.0	6.0	.222	N/A	N/A	17.3	14	.16	15.6	177	Clear

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
11:13	11:36	.260	6.0	3.0	5.02	2.52	11:45	

Notes: Re tapped Well Box Bolts (Need's new Gasket)

ft-bmp = feet below measuring point

15.09

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-12-06
Project No.: EM5069C	**Prepared By:** SR
Well Identification: MW-4D	**Weather:** Cloudy **Screen:**
Measurement Point Description: TOC North	**Pump Intake:** 20 FT

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
N/D	4.51	23.38	18.87	N/D	3.01	9.05	—	—

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: Horiba, Waltera Pump, Inverter
Purge Method: Waltera Pump
Well Condition: OK

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
12:29	1.0	3.0	.75	N/A	N/A	18.1	23	.58	8.3	-19	Clear
12:35	2.0	6.0	.5	"	"	18.2	10	.54	6.2	-50	Clear
12:42	3.0	9.0	.428	"	"	18.2	10	.51	6.4	-56	Clear

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
12:25	12:42	.529	9.0	3.0	8.29	4.55	12:45	

Notes:

ft-bmp = feet below measuring point
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TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-12-06
Project No.: EM5009C	**Prepared By:** SR
Well Identification: MW 45	**Weather:** Cloudy **Screen:**
Measurement Point Description: TOC NORTH	**Pump Intake:** 6 FT

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
N/D	4.10	8.35	4.25	N/D	.68	2.04	-	-

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: HoriBA, WALTERA pump, Inverter
Purge Method: WALTERA Pump
Well Condition: OK

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
13:02	1.0	.75		N/A	N/A	19.6	390	.74	6.9	-99	Cloudy
13:07	2.0	1.50		N/A	N/A	19.9	740	.75	7.1	-92	Cloudy
13:12	3.0	2.25		N/A	N/A	20.0	600	.75	7.1	-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
12:56	13:12		2.25	3.0	4.95	4.30	13:15	

Notes: INSTALL 12 FT HOSE old TUBING DAMAGED
RETAPPED WELL BOX NEED'S GASKET.

ft-bmp = feet below measuring point
M:\TEM\TEM 2006\Forms\Field Forms\All Other Jobs\13-Well Sampling Field Data Sheet.doc

15.20

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	MVR	**Date:**	6-12-06
Project No.:	Em5009C	**Prepared By:**	SR
Well Identification:	MW 5D	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC North	**Pump Intake:**	20 FT

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
N/D	3.64	22.65	19.01	N/D	3.04	9.12	—	—

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: Horiba, Waltera pump Inverter

Purge Method: Waltera Pump

Well Condition: OK

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
13:55	1.0	3.0	.6	N/A	N/A	18.3	51	.31	10.9	-108	Clear
14:02	2.0	6.0	.428	N/A	N/A	18.5	22	.30	5.9	-86	Clear
14:07	3.0	9.0	.6	N/A	N/A	18.2	27	.30	5.7	-89	Clear

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
13:50	14:07	.529	9.0	3.0	7.45	4.50	14:10	

Notes:

ft-bmp = feet below measuring point

3.60

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	MVR	**Date:**	6-12-06
Project No.:	Em5009a	**Prepared By:**	SR
Well Identification:	MW 5S	**Weather:**	Cloudy **Screen:**
Measurement Point Description:	TOC NORTH	**Pump Intake:**	6 FT

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
N/D	3.73	8.24	4.51	N/D	.72	2.16	—	—

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: HoriBA, WALTERA Pump, Inverter

Purge Method: WALTERA Pump

Well Condition: OK

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
14:19	1.0	.75	.15	N/A	N/A	20.2	>990	.21	6.9	-98	GREY
14:27	2.0	1.50	.03	N/A	N/A	20.5	7990	.20	6.9	-81	Cloudy
14:35	3.0	2.25	.03	N/A	N/A	20.6	360	.19	7.2	-68	Cloudy

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
14:14	14:35	.428	2.25	3.0	4.64	4.60	14:48	

Notes: Re Tapped Well box needs GASKET..

ft-bmp = feet below measuring point

8.44

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-12-06
Project No.: EM5009C	**Prepared By:** SR
Well Identification: MW-3	**Weather:** Cloudy **Screen:**
Measurement Point Description: TOC NORTH	**Pump Intake:** 12FT

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
N/D	4.15	14.70	10.55	N/D	1.68	5.06	—	—

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: HoriBA, WALTERA Pump, Inverter

Purge Method: WALTERA Pump

Well Condition: OK

Time	(Casing) Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
15:12	1.0	2.0	.285	N/A	N/A	18.4	7990	.23	10.0	-69	GREY
15:18	2.0	4.0	.333	N/A	N/A	18.7	7990	.23	5.8	-90	GREY
15:25	3.0	6.0	.285	N/A	N/A	18.8	7990	.23	5.3	-95	GREY

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
15:05	15:25	.3	6.0	3.0	6.26	4.60	15:30	

Notes: Needs Well Box Removed & Raised Aprox 6" To Ground Level

ft-bmp = feet below measuring point

4.50

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Page __ of __

Project Name:	MVR	**Date:**	6-13-06
Project No.:	Em 5009c	**Prepared By:**	
Well Identification:	MW 25	**Weather:**	SUNNY **Screen:**
Measurement Point Description:	TOC NORTH	**Pump Intake:**	6 FT

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
N/D	3.08	8.71	5.63	N/D	.90	2.70	—	—

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: Horiba, WALTERA Pump, Inverter

Purge Method: WALTERA Pump

Well Condition: OK

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
08:56	1.0	1.0	.097	N/A	N/A	22.7	530	.24	13.1	-43	Cloudy
09:06	2.0	2.0	.1	N/A	N/A	21.8	660	.22	8.8	-87	Cloudy
09:17	3.0	3.0	.097	N/A	N/A	21.6	590	.21	9.2	-93	Cloudy

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
08:45	09:17	.033	3.0	3.0	4.21	3.58	09:20	

Notes:

ft-bmp = feet below measuring point

7.12

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Page __ of __

Project Name:	MVR	**Date:**	6-13-06
Project No.:	Em5009C	**Prepared By:**	SR
Well Identification:	MW-2M	**Weather:**	SUNNY **Screen:** —
Measurement Point Description:	TOC NORTH	**Pump Intake:**	16 FT

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
N/D	3.39	12.29	8.9	N/D	1.42	4.27	—	—

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: WALTERA Pump, Horiba, Inverter

Purge Method: WALTERA Pump

Well Condition: OK

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
09:35	1.0	1.5	.15	N/A	N/A	20.1	160	.22	8.7	-77	Cloudy
09:43	2.0	3.0	.18	N/A	N/A	20.4	200	.22	11.7	-89	Cloudy
09:52	3.0	4.5	.18	N/A	N/A	19.6	230	.23	13.4	-93	Cloudy

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
09:25	09:52	.166	4.5	3.0	5.17	3.70	09:55	

Notes:

ft-bmp = feet below measuring point

20.84

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	MVR	**Date:**	6-13-06
Project No.:	EM5009C	**Prepared By:**	SR
Well Identification:	MW-2D	**Weather:**	Sunny **Screen:**
Measurement Point Description:	TOC North	**Pump Intake:**	25 FT

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
N/D	3.48	29.54	26.06	N/D	4.16	12.50		

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: Horiba, Waltera, Pump

Purge Method: Waltera Pump

Well Condition: OK

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
10:15	1.0	4.0	.266	N/A	N/A	19.5	480	.22	11.4	-87	Cloudy
10:32	2.0	8.0	.235	N/A	N/A	19.1	410	.22	9.6	-98	Cloudy
10:50	3.0	12.0	.222	N/A	N/A	18.9	380	.21	8.4	-99	Cloudy

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
10:00	10:50	.24	12.0	3.0	8.70	3.80	10:55	

Notes: Tapped Well Box (Needs Gasket)

ft-bmp = feet below measuring point

12.24

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-13-06
Project No.: EM5089C	**Prepared By:** SR
Well Identification: MW-1	**Weather:** SUNNY **Screen:**
Measurement Point Description: TOC NORTH	**Pump Intake:** 15 FT

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
N/D	2.47	17.78	15.31	N/D	2.44	7.34	-	-

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: Horiba, Waltera pump, Inverter
Purge Method: Waltera pump
Well Condition: OK

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
11:23	1.0	2.5	.208	N/R	7.4	19.2	85	.31	4.42	-72	Clear
11:30	2.0	5.0	.357	N/R	7.4	19.1	58	.26	4.18	-84	Clear
11:42	3.0	7.5	.208	N/R	7.3	19.2	32	.27	3.66	-82	Clear

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
11:11	11:42	.241	7.5	3.0	5.54	2.62	11:45	

Notes:

ft-bmp = feet below measuring point
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TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

4.21

Page __ of __

Project Name:	MVR	**Date:**	6-13-06
Project No.:	EM5009C	**Prepared By:**	SR
Well Identification:	MW-12S	**Weather:**	SUNNY **Screen:**
Measurement Point Description:	TOC NORTH	**Pump Intake:**	10 FT

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
N/D	5.77	11.04	5.27	N/D	.843	2.52	—	—

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: HORIBA, WALTERA PUMP, INVERTER

Purge Method: WALTERA PUMP

Well Condition: OK

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
12:23	1.0	1.0	.2	N/R	7.1	20.5	>999	.32	2.49	3	BROWN
12:27	2.0	2.0	.25	N/R	7.3	19.7	7999	.31	5.16	51	BROWN
12:31	3.0	3.0	.25	N/R	7.2	19.6	>999	.30	4.15	70	BROWN

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
12:18	12:31	.230	3.0	3.0	6.83	14:38	N/R	

Notes: INSTALLED APROX 15 FT TUBING + 1 CHECK VALVE

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-13-06
Project No.: EM 5009C	**Prepared By:** SR
Well Identification: MW-12D	**Weather:** SUNNY **Screen:** –
Measurement Point Description: TOC NORTH	**Pump Intake:** 16 FT

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
N/D	5.69	19.70	14.01	N/D	2.24	6.72	–	–

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: Horiba, Waltera Pump, Inverter

Purge Method:

Well Condition:

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
12:56	1.0	2.0	.285	N/R	6.9	19.1	>990	.20	4.75	122	BROWN
13:02	2.0	4.0	.333	N/R	7.0	18.2	>990	.19	4.01	132	BROWN
13:08	3.0	6.0	.333	N/R	7.0	18.0	7990	.19	3.68	139	BROWN

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
12:49	13:08	.315	6.0	3.0	8.5	5.85	13:10	

Notes: Installed Aprox 25FT Tubing + 1 Check Valve

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

26.86

Groundwater Sampling Data Sheet

Project Name:	MVR	**Date:**	6-13-06
Project No.:	Em5009C	**Prepared By:**	SR
Well Identification:	MW-12LF	**Weather:**	SUNNY **Screen:**
Measurement Point Description:	TOC NORTH	**Pump Intake:**	35 FT

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
N/D	5.92	39.50	33.58	N/D	5.37	16.11	—	—

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: HoribA, WALTERA Pump, Inverter

Purge Method: WALTERA Pump

Well Condition: OK

Time	Casing/ Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
13:26	1.0	5.5	.611	N/R	7.3	18.6	>990	.18	4.76	132	BROWN
13:37	2.0	11.0	.5	N/R	7.3	18.7	7990	.18	1.41	133	BROWN
13:50	3.0	16.0	.384	N/R	7.3	18.1	7990	.17	4.32	136	BROWN

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
13:17	13:50	.484	16.0	3.0	12.64	6.55	13:55	

Notes: INSTALLED APPROX 45 FT TUBING + 1 CHECK VALVE

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

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Project Name: MVR	**Date:** 6-13-06
Project No.: EM 5009C	**Prepared By:** SR
Well Identification: MW-10S	**Weather:** SUNNY **Screen:**
Measurement Point Description: TOC NORTH	**Pump Intake:** 8 FT

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
N/D	5.00	9.58	4.58	N/D	.732	2.19	—	—

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: Horiba, WALTERA Pump, Inverter
Purge Method: WALTERA Pump
Well Condition: OK

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
14:21	1.0	.75	.15	N/R	7.2	20.3	7990	.60	3.26	-55	GREY
14:26	2.0	1.50	.15	N/R	7.2	20.4	7990	.64	3.37	-69	GREY
14:31	3.0	2.25	.15	N/R	7.2	20.3	7990	.65	3.10	-69	GREY

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
14:15	14:31	.147	2.25	3.0	5.92	5.00	14:33	

Notes: Installed Aprox 15 FT Tubing + 1 Check Valve

ft-bmp = feet below measuring point
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TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-13-06
Project No.: EM5009C	**Prepared By:** SR
Well Identification: MW 10 D	**Weather:** SUNNY **Screen:**
Measurement Point Description: TOC NORTH	**Pump Intake:** 18 FT

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
N/D	5.42	19.38	13.96	N/D	2.23	6.70	—	—

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: HORIBA, WALTERA PUMP, INVERTER
Purge Method: WALTERA PUMP
Well Condition: OK

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
14:59	1.0	2.0	.5	N/R	7.1	18.1	7990	.71	4.04	-89	GREY
15:02	2.0	4.0	.666	N/R	7.2	17.8	7990	.64	0.85	-106	GREY
15:06	3.0	6.0	.5	N/R	7.3	17.6	7990	.61	5.13	-97	GREY

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
14:55	15:06	.545	6.0	3.0	8.22	6.10	15:08	

Notes: INSTALLED APROX 25FT TUBING + 1 CHECK VALVE

ft-bmp = feet below measuring point
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TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

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Project Name: MVR		**Date:** 6-13-06	
Project No.: Em 5009A		**Prepared By:** SR	
Well Identification: MW-10LF		**Weather:** Cloudy	**Screen:**
Measurement Point Description: TOC NORTH		**Pump Intake:** 34 FT	

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
N/O	5.99	39.90	33.91	N/O	5.42	16.27	—	—

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: HoriBA, WALtera Pump, Inverter

Purge Method: WALtera Pump

Well Condition: OK

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
15:39	1.0	5.5	.343	N/R	7.4	19.4	740	.30	4.13	-107	GREY
15:55	2.0	11.0	.343	N/R	7.3	19.2	310	.28	4.12	-103	GREY
16:11	3.0	16.5	.343	N/R	8.0	19.2	220	.27	3.75	-107	Cloudy

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
15:23	16:11	.343	16.5	3.0	12.78	6.20	16:15	

Notes: Installed Aprox 45 FT Tubing + 1 Check Valve

ft-bmp = feet below measuring point

9.52

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name:	MVR	**Date:**	6-14-06
Project No.:	Em5009A	**Prepared By:**	SR
Well Identification:	MW-65	**Weather:**	SUNNY **Screen:**
Measurement Point Description:	TOC NORTH	**Pump Intake:**	12 FT

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
N/D	3.10	15.00	11.90	N/D	1.90	5.71	—	—

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: HORIBA, WALTERA PUMP, INVERTER
Purge Method: WALTERA PUMP
Well Condition: OK

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
08:22	1.0	2.0	.117	N/R	7.1	19.1	150	.29	4.83	-99	Clear
08:31	3.0	4.0	.222	N/R	7.2	18.8	120	.32	4.57	-114	Clear
08:39	3.0	6.0	.25	N/R	7.1	18.3	61	.33	4.17	-115	Clear

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
08:05	08:39	.176	6.0	3.0	5.48	3.99 ~~08:44~~	08:41	

Notes: WELL CASING NEEDS ~~#~~ 2" X 3" NIPPLE W ~~[illegible]~~ 2" COLLAR

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

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Project Name:	MVR	**Date:**	6-14-06
Project No.:	Em 5009A	**Prepared By:**	SR
Well Identification:	MW-6D	**Weather:**	SUNNY **Screen:**
Measurement Point Description:	TOC NORTH	**Pump Intake:**	24 FT

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
N/D	4.05	29.15	25.1	N/D	4.01	12.04	—	—

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: HoribA, WALtera Pump, Inverter
Purge Method: WALtera pump
Well Condition: OK

Time	(Casing) Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
08:55	1.0	4.0	.8	N/R	7.4	19.0	340	.26	5.27	-107	Cloudy
09:00	2.0	8.0	.8	N/R	7.6	18.8	350	.24	5.88	-111	Cloudy
09:05	3.0	12.0	.8	N/R	7.3	18.6	330	.22	5.76	-107	Cloudy

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
08:50	09:05	.8	12.0	3.0	9.07	4.10	09:10	

Notes: Re-Thread Well Box Bolt's Tap Holes (Need's new Gasket)

ft-bmp = feet below measuring point
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TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

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Project Name:	MVR	**Date:**	6-14-06
Project No.:	Em5009A	**Prepared By:**	SR
Well Identification:	MW-9S	**Weather:**	SUNNY **Screen:**
Measurement Point Description:	TOC NORTH	**Pump Intake:**	10 FT

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
N/D	2.14	12.20	10.06	N/D	1.60	4.82	—	—

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: HORIBA, WALTERA pump, INVERTER
Purge Method: WALTERA pump
Well Condition: OK

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
09:46	1.0	1.5	.136	N/R	7.4	19.0	7990	.28	5.27	-32	BROWN
09:56	2.0	3.0	.15	N/R	7.3	18.4	7990	.26	4.73	-10	BROWN
10:06	3.0	4.5	.15	N/R	7.3	17.7	750	.27	6.43	-12	CLOUDY

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
09:35	10:06	.145	4.5	3.0	4.16	2.70	10:08	

Notes: APROX 16 FT TUBING INSTALLED W/ 1 CHECK VALVE

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

16.89

Groundwater Sampling Data Sheet

Project Name:	MVR	**Date:**	6-14-06
Project No.:	EM5009A	**Prepared By:**	SR
Well Identification:	MW-9D	**Weather:**	SUNNY **Screen:**
Measurement Point Description:	TOC NORTH	**Pump Intake:**	20 FT

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
N/D	3.16	24.28	21.12	N/D	3.37	10.13		

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: HORIBA, WALTERA PUMP, INVERTER
Purge Method: WALTERA PUMP
Well Condition: OK

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
10:28	1.0	3.5	.35	N/R	7.3	18.1	>990	.28	5.36	-74	GREY
10:33	2.0	7.0	.318	N/R	7.1	17.7	7990	.28	3.09	-88	GREY
10:43	3.0	10.5	.35	N/R	7.2	17.5	510	.28	4.09	-84	Cloudy

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
10:12	10:43	.338	10.5	3.0	7.38	3.98	10:45	

Notes: APPROX 30 FT OF NEW TUBING W/ 1 CHECK VALVE

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-14-06
Project No.: EM5009A	**Prepared By:** SR
Well Identification: MW-9LF	**Weather:** Sunny **Screen:**
Measurement Point Description: TOC North	**Pump Intake:** 35 FT

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
N/D	3.46	39.11	35.65	N/D	5.70	17.11	—	—

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: Horiba, WALTERA pump, Inverter
Purge Method: WALTERA Pump
Well Condition: OK

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
11:21	1.0	6.0	.285	N/R	7.4	19.2	>990	.22	2.35	-107	GREY
11:43	2.0	12.0	.272	N/R	7.5	19.2	>990	.22	3.69	-103	GREY
12:07	3.0	18.0	.25	N/R	7.6	19.9	>990	.22	5.01	-92	GREY

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
11:00	12:07	.268	18.0	3.0	10.59	10.50	12:40	

Notes: Installed Aprox 45 FT Tubing + Check Valve

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-14-06
Project No.: Em 5009C	**Prepared By:**
Well Identification: [redacted] MW-11 S	**Weather:** SUNNY **Screen:** –
Measurement Point Description: TOC NORTH	**Pump Intake:** 8 FT

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
N/D	3.69	9.43	5.74	N/D	.918	2.75	–	–

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: HORIBA, WALTERA PUMP, INVERTER

Purge Method: WALTERA PUMP

Well Condition: OK

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
13:13	1.0	1.0	.1	N/R	7.2	22.1	>990	.21	5.09	-87	GREY
13:23	2.0	2.0	.1	N/R	7.4	21.8	>990	.20	8.80	-98	GREY
13:31	3.0	3.0		N/R	7.3	21.2	>990	.20	5.32	-98	GREY

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
13:03	13:31	.107	3.0	3.0	4.83	4.30	13:33	

Notes: INSTALLED APROX 15 FT TUBING + 1 CHECK VALVE

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-14-06
Project No.: EM 5009C	**Prepared By:** SR
Well Identification: MW-11D	**Weather:** SUNNY **Screen:**
Measurement Point Description: TOC NORTH	**Pump Intake:** 18FT

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
N/D	3.70	20.50	16.8	N/D	2.68	8.06	—	—

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: HORIBA, WALTERA PUMP, INVERTER
Purge Method: WALTERA PUMP
Well Condition: OK

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
13:50	1.0	3.0	.3	N/R	7.2	20.7	7990	.21	4.80	-110	GREY
14:00	2.0	6.0	.3	N/R	7.8	20.1	7990	.22	4.52	-108	GREY
14:11	3.0	9.0	.272	N/R	7.6	20.5	7990	.21	3.98	-111	GREY

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
13:40	14:11	.290	9.0	3.0	7.06	4.11	14:30	

Notes: INSTALLED APROX 25FT TUBING + 1 CHECK VALVE

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-14-06
Project No.: EM 5009C	**Prepared By:** SR
Well Identification: MW-11LF	**Weather:** SUNNY **Screen:** —
Measurement Point Description: TOC NORTH	**Pump Intake:** 35 FT

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
N/D	3.90	39.41	35.51	N/D	5.68	17.04	—	—

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: Horiba, WALtera Pump, Inverter
Purge Method: WALtera Pump
Well Condition: OK

Time	(Casing) / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
14:48	1.0	6.0	3.0	N/R	7.9	23.1	7990	.17	5.79	-113	GREY
15:00	2.0	12.0	.5	N/R	7.9	23.3	7990	.17	4.17	-104	GREY
15:13	3.0	18.0	.461	N/R	7.8	23.2	7990	.17	4.38	-106	GREY

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
14:46	15:13	.666	18.0	3.0	11.00	5.15	15:30	

Notes: Installed Aprox 45FT Tubing + 1 Check Valve

ft-bmp = feet below measuring point
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Groundwater Sampling Data Sheet

Project Name:	MVR	**Date:**	6-19-06
Project No.:	EM5009C	**Prepared By:**	SR
Well Identification:	MW-7S	**Weather:**	SUNNY
Measurement Point Description:	TOC NorTit	**Screen:**	
		Pump Intake:	7 FT

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
N/D	2.55	8.48	5.93	N/D	.948	3.0	—	—

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: HoribA, WALtera Pump, Inverter

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
15:38	1	1.0	.2	N/R	7.5	20.9	7990	.18	3.09	-57	GREY
15:45	2	2.0	.142	N/R	7.5	20.2	7990	.15	5.02	-66	GREY
15:52	3	3.0	.142	N/R	7.4	19.9	7990	.15	5.31	-65	GREY

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
15:33	15:52	.157	3.0	3.0	3.73	3.51	16:00	

Notes:

ft-bmp = feet below measuring point

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: MVR	**Date:** 6-14-06
Project No.: EM5009C	**Prepared By:** SR
Well Identification: MW-7D	**Weather:** SUNNY **Screen:** —
Measurement Point Description: TOC NORTH	**Pump Intake:** 20 FT

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
SHEEN	3.66	23.61	19.95	SHEEN	3.19	9.57	—	—

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: Horiba, WALTERA Pump, Inverter
Purge Method: WALTERA Pump
Well Condition: OK

Time	Casing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (s/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
16:07	1.0	3.0	.428	N/R	7.1	19.0	>990	.21	3.27	-99	GRey Gasoline odor
16:12	2.0	6.0	.6	N/R	7.2	18.6	>990	.21	4.33	-94	" " "
16:20	3.0	9.0		N/R	7.1	18.6	>990	.21	3.38	-90	" " "

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
16:03	16:20	.45	9.0	3.0	7.65	7.48	16:30	

Notes:

ft-bmp = feet below measuring point
M:\TEM\TEM 2006\Forms\Field Forms\All Other Jobs\13-Well Sampling Field Data Sheet.doc

APPENDIX C

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 Co.	Facility Name:	Mission Valley Rock
Address:	7999 Athenour Way	Address:	7999 Athenour Way
	Sunol, CA 94586		Sunol, CA
Contact:	Mort Calvert	Facility Contact:	Paul McCarter, Tait Environmental
Phone:	925-862-2257	Phone:	714-560-8612

IWM Job #:	96072-DE
Description of Waste:	5 Drums of Non-Hazardous Water
Removal Date:	7/20/06
Ticket #:	SP200706-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:	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 — 07/20/06

Authorized Representative (Print Name and Signature) — Date

APPENDIX D

LABORATORY REPORT

SunStar Laboratories, Inc.

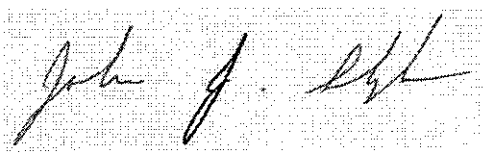
23 June 2006

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 06/15/06 19:00. 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

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

Chain of Custody Record

T600810

Client: TAiT ENV
Address: 701 N. PArKcenter DR.
Phone: (714)560-8200 Fax:
Project Manager: PAul Mccarter

Date: 6-15-06 Page: 1 Of 2
Project Name: Mission VAlley Rock
Collector: SR Client Project #: Em 5009A
Batch #: EDF #: T0600102092

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	TPH D 8015m	TPHG 8015	BTex OXY 8260B Full scan		Laboratory ID #	Comments/Preservative	Total # of containers
MW-7D	6-14-06	16:30	H2O	40 mL										X	X	X		01		4
MW 7S	6-14-06	16:00	H2O	↑										X	X	X		02		4
MW-11 LF	6-14-06	15:30	↑											X	X	X		03		4
MW-11 D	6-14-06	14:30												X	X	X		04		4
MW-~~9LF~~ 11S	6-14-06	13:30												X	X	X		05		4
MW-9S	6-14-06	10:08												X	X	X		06		4
MW-9D	6-14-06	10:45												X	X	X		07		4
MW-9LF	6-14-06	12:40												X	X	X		08		4
MW-6D	6-14-06	09:10												X	X	X		09		4
MW-6S	6-14-06	08:41												X	X	X		10		4
MW-10 LF	6-13-06	16:15												X	X	X		11		4
MW-10 D	6-13-06	15:08												X	X	X		12		4
MW-10 S	6-13-06	14:33												X	X	X		13		4
MW-12 LF	6-13-06	13:55	↓	↓										X	X	X		14		4
MW-12 D	6-13-06	13:10	H2O	40 mL										X	X	X		15		4

Relinquished by: (signature) S. Rosenfiring Date / Time 6/15/06 19:00
Received by: (signature) [signature] Date / Time 6/15/06 1900

Relinquished by: (signature) Date / Time
Received by: (signature) Date / Time

Relinquished by: (signature) Date / Time
Received by: (signature) Date / Time

Total # of containers: 60
Chain of Custody seals Y/N/NA: (NA circled)
Seals intact? Y/N/NA: (NA circled)
Received good condition/cold: (cold circled) 2°C

Turn around time: NORMAL

Notes
EDF

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

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

Chain of Custody Record

T600810

Client: TAIT ENV
Address:
Phone: (714) 560-8200 Fax:
Project Manager: Paul McCarter

Date: 6-15-06 Page: 2 Of 2
Project Name: Mission Valley Rock
Collector: SR Client Project #: EM5009A
Batch #: EDF #: T0600102092

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	TPHD 8015m	TPHG 8015m BTEX	OXY 8260B (Full Scan)		Laboratory ID #	Comments/Preservative	Total # of containers
MW-12S	6-13-06	14:38	H2O	40 mL										X	X	X		16		4
MW-1	6-13-06	11:45												X	X	X		17		4
MW-2D	6-13-06	10:55												X	X	X		18		4
MW-2M	6-13-06	09:55												X	X	X		19		4
MW-2S	6-13-06	09:20												X	X	X		20		4
MW-3	6-12-06	15:30												X	X	X		21		4
MW-5S	6-12-06	14:48												X	X	X		22		4
MW-5D	6-12-06	14:10												X	X	X		23		4
MW-4S	6-12-06	13:15												X	X	X		24		4
MW-4D	6-12-06	12:45												X	X	X		25		4
MW-8	6-12-06	11:45	H2O	40 mL										X	X	X		26		4

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
S. Rumfuing	6-15-06 19:00	[signature]	6/15/06 1700
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 44
Chain of Custody seals Y/N/NA: (NA circled)
Seals intact? Y/N/NA: (NA circled)
Received good condition/cold: 2°C (cold circled)

Turn around time: NORMAL

Notes

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

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7D	T600810-01	Water	06/14/06 16:30	06/15/06 19:00
MW-7S	T600810-02	Water	06/14/06 16:00	06/15/06 19:00
MW-11LF	T600810-03	Water	06/14/06 15:30	06/15/06 19:00
MW-11D	T600810-04	Water	06/14/06 14:30	06/15/06 19:00
MW-11S	T600810-05	Water	06/14/06 13:33	06/15/06 19:00
MW-9S	T600810-06	Water	06/14/06 10:08	06/15/06 19:00
MW-9D	T600810-07	Water	06/14/06 10:45	06/15/06 19:00
MW-9LF	T600810-08	Water	06/14/06 12:40	06/15/06 19:00
MW-6D	T600810-09	Water	06/14/06 09:10	06/15/06 19:00
MW-6S	T600810-10	Water	06/14/06 08:41	06/15/06 19:00
MW-10LF	T600810-11	Water	06/13/06 16:15	06/15/06 19:00
MW-10D	T600810-12	Water	06/13/06 15:08	06/15/06 19:00
MW-10S	T600810-13	Water	06/13/06 14:33	06/15/06 19:00
MW-12LF	T600810-14	Water	06/13/06 13:55	06/15/06 19:00
MW-12D	T600810-15	Water	06/13/06 13:10	06/15/06 19:00
MW-12S	T600810-16	Water	06/13/06 14:38	06/15/06 19:00
MW-1	T600810-17	Water	06/13/06 11:45	06/15/06 19:00
MW-2D	T600810-18	Water	06/13/06 10:55	06/15/06 19:00
MW-2M	T600810-19	Water	06/13/06 09:55	06/15/06 19:00
MW-2S	T600810-20	Water	06/13/06 09:20	06/15/06 19:00
MW-3	T600810-21	Water	06/12/06 15:30	06/15/06 19:00
MW-5S	T600810-22	Water	06/12/06 14:48	06/15/06 19:00
MW-5D	T600810-23	Water	06/12/06 14:10	06/15/06 19:00
MW-4S	T600810-24	Water	06/12/06 13:15	06/15/06 19:00
MW-4D	T600810-25	Water	06/12/06 12:45	06/15/06 19:00
MW-8	T600810-26	Water	06/12/06 11:45	06/15/06 19:00

SunStar Laboratories, Inc.

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

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	06/23/06 10:01

MW-7D
T600810-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**160000**	10000	ug/l	200	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*95.6 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/21/06	EPA 8015m	
Surrogate: Chrysene		*112 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**150**	50	"	50	"	"	06/20/06	"	
tert-Butylbenzene	ND	1.0	"	1	"	"	06/19/06	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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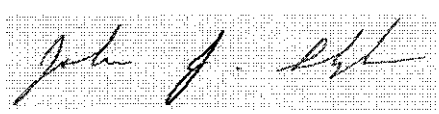
John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-7D
T600810-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**340**	50	"	50	"	"	06/20/06	"	
p-Isopropyltoluene	**600**	1.0	"	1	"	"	06/19/06	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**7000**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**1200**	50	"	50	"	"	06/20/06	"	
Styrene	ND	1.0	"	1	"	"	06/19/06	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**1800**	50	"	50	"	"	06/20/06	"	
1,2,4-Trimethylbenzene	**6200**	50	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	1	"	"	06/19/06	"	
Benzene	**310**	0.50	"	"	"	"	"	"	
Toluene	**2400**	0.50	"	"	"	"	"	"	
Ethylbenzene	**4500**	25	"	50	"	"	06/20/06	"	
m,p-Xylene	**8100**	50	"	"	"	"	"	"	
o-Xylene	**1700**	25	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	1	"	"	06/19/06	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*88.8-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*83.5-119*	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*		*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.

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-7S
T600810-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**430**	50	ug/l	1	6061603	06/16/06	06/16/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*106 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/21/06	EPA 8015m	
Surrogate: Chrysene		*94.8 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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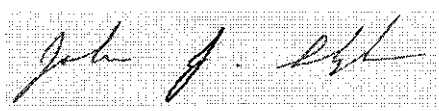

John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-7S
T600810-02 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**2.8**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**5.7**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**23**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**6.1**	0.50	"	"	"	"	"	"	
m,p-Xylene	**12**	1.0	"	"	"	"	"	"	
o-Xylene	**2.5**	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*81.1-136*		"	"	"	"	

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	06/23/06 10:01

MW-11LF
T600810-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**99**	50	ug/l	1	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*105 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	**1.1**	0.050	mg/l	1	6061602	06/16/06	06/21/06	EPA 8015m	
Surrogate: Chrysene		*112 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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	06/23/06 10:01

MW-11LF
T600810-03 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**4.7**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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	**240**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.

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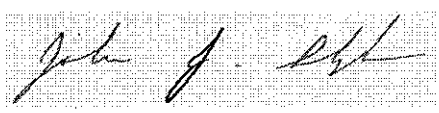

John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-11D
T600810-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**6500**	50	ug/l	1	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	**18**	0.050	mg/l	1	6061602	06/16/06	06/21/06	EPA 8015m	
Surrogate: Chrysene		*104 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/20/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**6.7**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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	06/23/06 10:01

MW-11D
T600810-04 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachlorobutadiene	ND	1.0	ug/l	1	6061604	06/16/06	06/20/06	EPA 8260B	
Isopropylbenzene	**5.4**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**7.0**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**72**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**12**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**21**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**95**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Benzene	**12**	0.50	"	"	"	"	"	"	
Toluene	**4.4**	0.50	"	"	"	"	"	"	
Ethylbenzene	**11**	0.50	"	"	"	"	"	"	
m,p-Xylene	**11**	1.0	"	"	"	"	"	"	
o-Xylene	**11**	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 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*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

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-11S
T600810-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**730**	50	ug/l	1	6061603	06/16/06	06/21/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/21/06	EPA 8015m	
Surrogate: Chrysene		*101 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-11S
T600810-05 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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		*102 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*81.1-136*		"	"	"	"	

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	06/23/06 10:01

MW-9S
T600810-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**330**	50	ug/l	1	6061603	06/16/06	06/21/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*87.6 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*107 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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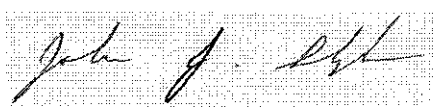

John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-9S
T600810-06 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**1.9**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**3.0**	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*81.1-136*		"	"	"	"	

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	06/23/06 10:01

MW-9D
T600810-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**76000**	500	ug/l	10	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*100 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*98.2 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**11**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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	06/23/06 10:01

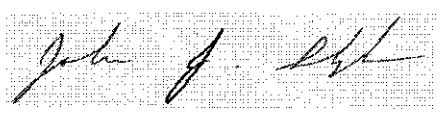
MW-9D
T600810-07 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**95**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**6.4**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**550**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**240**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**420**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**2300**	10	"	10	"	"	06/20/06	"	
Vinyl chloride	ND	0.50	"	1	"	"	06/19/06	"	
Benzene	**3200**	5.0	"	10	"	"	"	"	
Toluene	**13000**	50	"	100	"	"	"	"	
Ethylbenzene	**2700**	5.0	"	10	"	"	06/20/06	"	
m,p-Xylene	**6500**	100	"	100	"	"	06/20/06	"	
o-Xylene	**2700**	5.0	"	10	"	"	06/20/06	"	
Tert-amyl methyl ether	ND	2.0	"	1	"	"	06/19/06	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.



John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-9LF
T600810-08 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**1800**	50	ug/l	1	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*106 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**2.6**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-9LF
T600810-08 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**6.5**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**1.7**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**12**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**14**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**14**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**41**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Benzene	**13**	0.50	"	"	"	"	"	"	
Toluene	**17**	0.50	"	"	"	"	"	"	
Ethylbenzene	**30**	0.50	"	"	"	"	"	"	
m,p-Xylene	**29**	1.0	"	"	"	"	"	"	
o-Xylene	**7.0**	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*81.1-136*		"	"	"	"	

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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	06/23/06 10:01

MW-6D
T600810-09 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**130**	50	ug/l	1	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*93.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*105 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

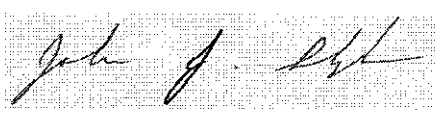
MW-6D
T600810-09 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**2.3**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	**3.0**	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.1**	0.50	"	"	"	"	"	"	
m,p-Xylene	**2.6**	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	**69**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*88.8-117*	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*83.5-119*	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*81.1-136*	"	"	"	"	"	

SunStar Laboratories, Inc.



John Shepler, Laboratory Director

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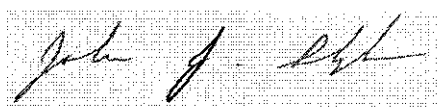
Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-6S
T600810-10 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**650**	50	ug/l	1	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*94.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	**1.3**	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*103 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**5.7**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

SunStar Laboratories, Inc.



John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-6S
T600810-10 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Hexachlorobutadiene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Isopropylbenzene	**14**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**31**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**1.8**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	**1.7**	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.9**	0.50	"	"	"	"	"	"	
m,p-Xylene	**2.0**	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*81.1-136*		"	"	"	"	

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	06/23/06 10:01

MW-10LF
T600810-11 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**780**	50	ug/l	1	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*102 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**1.4**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-10LF
T600810-11 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**18**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**22**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**1.6**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Benzene	**2.0**	0.50	"	"	"	"	"	"	
Toluene	**2.4**	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.1**	0.50	"	"	"	"	"	"	
m,p-Xylene	**4.6**	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.

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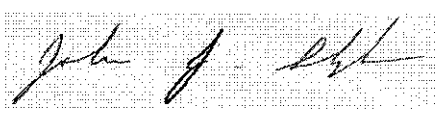
John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-10D
T600810-12 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**2300**	50	ug/l	1	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*107 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*87.8 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**5.6**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	**6.1**	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

SunStar Laboratories, Inc.



John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-10D
T600810-12 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Hexachlorobutadiene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Isopropylbenzene	**22**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**1.5**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**16**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**52**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**11**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**3.3**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Benzene	**7.6**	0.50	"	"	"	"	"	"	
Toluene	**2.4**	0.50	"	"	"	"	"	"	
Ethylbenzene	**66**	0.50	"	"	"	"	"	"	
m,p-Xylene	**6.6**	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 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*120 %*	*81.1-136*		"	"	"	"	

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	06/23/06 10:01

MW-10S
T600810-13 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	50	ug/l	1	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*119 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-10S
T600810-13 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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		*100 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*118 %*	*81.1-136*		"	"	"	"	

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	06/23/06 10:01

MW-12LF
T600810-14 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*103 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*100 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-12LF
T600810-14 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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		*102 %*	*88.8-117*		"	"	"	"	
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.

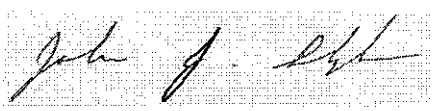
John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-12D
T600810-15 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*104 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*102 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

SunStar Laboratories, Inc.



John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-12D
T600810-15 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/16/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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		*102 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*81.1-136*		"	"	"	"	

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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	06/23/06 10:01

MW-12S
T600810-16 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*111 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*114 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-12S
T600810-16 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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		*103 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*81.1-136*		"	"	"	"	

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	06/23/06 10:01

MW-1
T600810-17 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**96**	50	ug/l	1	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*102 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-1
T600810-17 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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		*122 %*	*88.8-123*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*147 %*	*81.1-150*		"	"	"	"	

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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	06/23/06 10:01

MW-2D
T600810-18 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*104 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*102 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-2D
T600810-18 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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	**36**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*81.1-136*		"	"	"	"	

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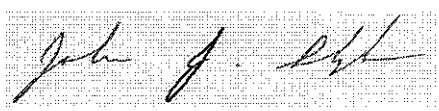

John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-2M
T600810-19 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	**130**	50	ug/l	1	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*95.2 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**1.8**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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	06/23/06 10:01

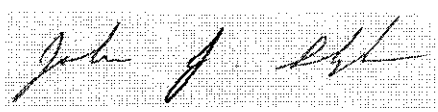
MW-2M
T600810-19 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**2.1**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**3.7**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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		*102 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.



John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-2S
T600810-20 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*93.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	**8.7**	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*114 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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	06/23/06 10:01

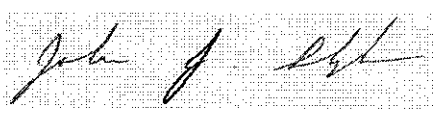
MW-2S
T600810-20 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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	**22**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.



John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-3
T600810-21 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*109 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*106 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-3
T600810-21 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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	**100**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.

John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-5S
T600810-22 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*101 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-5S
T600810-22 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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		*102 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*81.1-136*		"	"	"	"	

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	06/23/06 10:01

MW-5D
T600810-23 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*91.2 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-5D
T600810-23 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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	**5.0**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*81.1-136*		"	"	"	"	

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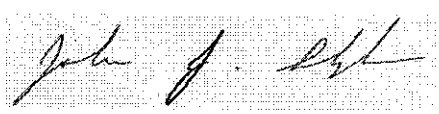

John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-4S
T600810-24 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*108 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*113 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-4S
T600810-24 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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		*104 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*81.1-136*		"	"	"	"	

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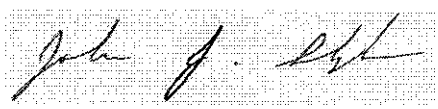

John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-4D
T600810-25 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*93.2 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

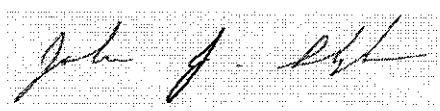
MW-4D
T600810-25 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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	**7.8**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.



John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

MW-8
T600810-26 (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	6061603	06/16/06	06/20/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*103 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6061602	06/16/06	06/22/06	EPA 8015m	
Surrogate: Chrysene		*98.5 %*	*75-125*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	

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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	06/23/06 10:01

MW-8
T600810-26 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	6061604	06/16/06	06/19/06	EPA 8260B	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
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		*104 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*81.1-136*		"	"	"	"	

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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	06/23/06 10:01

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 6061603 - EPA 5030 GC										
Blank (6061603-BLK1)				Prepared & Analyzed: 06/16/06						
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/l*	*50.0*		*101*	*65-135*			
C6-C12 (GRO)	ND	50	"							
Blank (6061603-BLK2)				Prepared: 06/16/06 Analyzed: 06/20/06						
Surrogate: 4-Bromofluorobenzene	*49.6*		*ug/l*	*50.0*		*99.2*	*65-135*			
C6-C12 (GRO)	ND	50	"							
LCS (6061603-BS1)				Prepared: 06/16/06 Analyzed: 06/20/06						
Surrogate: 4-Bromofluorobenzene	*59.7*		*ug/l*	*50.0*		*119*	*65-135*			
C6-C12 (GRO)	5290	50	"	5500		96.2	75-125			
LCS (6061603-BS2)				Prepared: 06/16/06 Analyzed: 06/20/06						
Surrogate: 4-Bromofluorobenzene	*55.9*		*ug/l*	*50.0*		*112*	*65-135*			
C6-C12 (GRO)	5840	50	"	5500		106	75-125			
Matrix Spike (6061603-MS1)	**Source: T600810-03**			Prepared: 06/16/06 Analyzed: 06/20/06						
Surrogate: 4-Bromofluorobenzene	*56.9*		*ug/l*	*50.0*		*114*	*65-135*			
C6-C12 (GRO)	5610	50	"	5500	99	100	65-135			
Matrix Spike (6061603-MS2)	**Source: T600810-22**			Prepared: 06/16/06 Analyzed: 06/20/06						
Surrogate: 4-Bromofluorobenzene	*51.9*		*ug/l*	*50.0*		*104*	*65-135*			
C6-C12 (GRO)	5900	50	"	5500	ND	107	65-135			
Matrix Spike Dup (6061603-MSD1)	**Source: T600810-03**			Prepared: 06/16/06 Analyzed: 06/20/06						
Surrogate: 4-Bromofluorobenzene	*55.3*		*ug/l*	*50.0*		*111*	*65-135*			
C6-C12 (GRO)	5650	50	"	5500	99	101	65-135	0.710	20	
Matrix Spike Dup (6061603-MSD2)	**Source: T600810-22**			Prepared: 06/16/06 Analyzed: 06/20/06						
Surrogate: 4-Bromofluorobenzene	*53.3*		*ug/l*	*50.0*		*107*	*65-135*			
C6-C12 (GRO)	5970	50	"	5500	ND	109	65-135	1.18	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	06/23/06 10:01

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 6061602 - EPA 3510C GC										
Blank (6061602-BLK1)				Prepared: 06/16/06 Analyzed: 06/21/06						
Surrogate: Chrysene	*4.35*		*mg/l*	*4.00*		*109*	*75-125*			
Diesel Range Hydrocarbons	ND	0.050	"							
Blank (6061602-BLK2)				Prepared: 06/16/06 Analyzed: 06/22/06						
Surrogate: Chrysene	*4.19*		*mg/l*	*4.00*		*105*	*75-125*			
Diesel Range Hydrocarbons	ND	0.050	"							
LCS (6061602-BS1)				Prepared: 06/16/06 Analyzed: 06/22/06						
Surrogate: Chrysene	*4.16*		*mg/l*	*4.00*		*104*	*75-125*			
Diesel Range Hydrocarbons	19.3	0.050	"	20.0		96.5	75-125			
LCS (6061602-BS2)				Prepared: 06/16/06 Analyzed: 06/22/06						
Surrogate: Chrysene	*4.07*		*mg/l*	*4.00*		*102*	*75-125*			
Diesel Range Hydrocarbons	17.1	0.050	"	20.0		85.5	75-125			
Matrix Spike (6061602-MS1)	**Source: T600810-03**			Prepared: 06/16/06 Analyzed: 06/22/06						
Surrogate: Chrysene	*4.13*		*mg/l*	*4.00*		*103*	*75-125*			
Diesel Range Hydrocarbons	21.6	0.050	"	20.0	1.1	102	75-125			
Matrix Spike (6061602-MS2)	**Source: T600810-22**			Prepared: 06/16/06 Analyzed: 06/22/06						
Surrogate: Chrysene	*3.78*		*mg/l*	*4.00*		*94.5*	*75-125*			
Diesel Range Hydrocarbons	17.9	0.050	"	20.0	ND	89.5	75-125			
Matrix Spike Dup (6061602-MSD1)	**Source: T600810-03**			Prepared: 06/16/06 Analyzed: 06/22/06						
Surrogate: Chrysene	*3.95*		*mg/l*	*4.00*		*98.8*	*75-125*			
Diesel Range Hydrocarbons	19.9	0.050	"	20.0	1.1	94.0	75-125	8.19	20	
Matrix Spike Dup (6061602-MSD2)	**Source: T600810-22**			Prepared: 06/16/06 Analyzed: 06/22/06						
Surrogate: Chrysene	*4.97*		*mg/l*	*4.00*		*124*	*75-125*			
Diesel Range Hydrocarbons	20.7	0.050	"	20.0	ND	104	75-125	14.5	20	

SunStar Laboratories, Inc.

John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

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 6061604 - EPA 5030 GCMS										
Blank (6061604-BLK1)			Prepared & Analyzed: 06/16/06							
Surrogate: Toluene-d8	*39.8*		*ug/l*	*40.0*		*99.5*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*40.7*		*"*	*40.0*		*102*	*83.5-119*			
Surrogate: Dibromofluoromethane	*43.6*		*"*	*40.0*		*109*	*81.1-136*			
Bromobenzene	ND	1.0	"							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							
p-Isopropyltoluene	ND	1.0	"							
Methylene chloride	ND	1.0	"							

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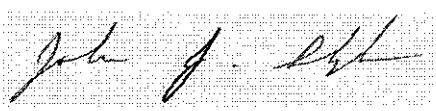

John Shepler, Laboratory Director

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

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 6061604 - EPA 5030 GCMS										
Blank (6061604-BLK1)				Prepared & Analyzed: 06/16/06						
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	0.50	"							
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	"							
Blank (6061604-BLK2)				Prepared: 06/16/06 Analyzed: 06/19/06						
Surrogate: Toluene-d8	*41.6*		*ug/l*	*40.0*		*104*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*41.5*		*"*	*40.0*		*104*	*83.5-119*			
Surrogate: Dibromofluoromethane	*44.3*		*"*	*40.0*		*111*	*81.1-136*			
Bromobenzene	ND	1.0	"							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							

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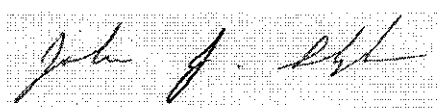

John Shepler, Laboratory Director

Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

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 6061604 - EPA 5030 GCMS										
Blank (6061604-BLK2)				Prepared: 06/16/06 Analyzed: 06/19/06						
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							
p-Isopropyltoluene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

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 6061604 - EPA 5030 GCMS										
Blank (6061604-BLK2)				Prepared: 06/16/06 Analyzed: 06/19/06						
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	0.50	"							
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 (6061604-BS1)				Prepared: 06/16/06 Analyzed: 06/19/06						
Surrogate: Toluene-d8	*53.3*		*ug/l*	*40.0*		*133*	*88.8-117*			*QM-08*
Surrogate: 4-Bromofluorobenzene	*49.0*		*"*	*40.0*		*122*	*83.5-119*			*QM-08*
Surrogate: Dibromofluoromethane	*58.7*		*"*	*40.0*		*147*	*81.1-136*			*QM-08*
Chlorobenzene	75.8	1.0	"	100		75.8	75-125			QM-08
1,1-Dichloroethene	181	1.0	"	100		181	75-125			QM-08
Trichloroethene	84.7	1.0	"	100		84.7	75-125			QM-08
Benzene	90.9	0.50	"	100		90.9	75-125			QM-08
Toluene	102	0.50	"	100		102	75-125			QM-08
LCS (6061604-BS2)				Prepared: 06/16/06 Analyzed: 06/20/06						
Surrogate: Toluene-d8	*41.8*		*ug/l*	*40.0*		*104*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*40.7*		*"*	*40.0*		*102*	*83.5-119*			
Surrogate: Dibromofluoromethane	*45.3*		*"*	*40.0*		*113*	*81.1-136*			
Chlorobenzene	94.6	1.0	"	100		94.6	75-125			
1,1-Dichloroethene	113	1.0	"	100		113	75-125			
Trichloroethene	98.9	1.0	"	100		98.9	75-125			
Benzene	100	0.50	"	100		100	75-125			
Toluene	97.8	0.50	"	100		97.8	75-125			

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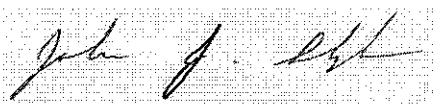

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

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 6061604 - EPA 5030 GCMS										
Matrix Spike (6061604-MS1)	**Source: T600810-03**			Prepared: 06/16/06 Analyzed: 06/19/06						
Surrogate: Toluene-d8	*41.6*		*ug/l*	*40.0*		*104*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*40.9*		"	*40.0*		*102*	*83.5-119*			
Surrogate: Dibromofluoromethane	*43.2*		"	*40.0*		*108*	*81.1-136*			
Chlorobenzene	82.0	1.0	"	100	ND	82.0	75-125			
1,1-Dichloroethene	87.8	1.0	"	100	ND	87.8	75-125			
Trichloroethene	81.6	1.0	"	100	ND	81.6	75-125			
Benzene	88.4	0.50	"	100	ND	88.4	75-125			
Toluene	86.1	0.50	"	100	ND	86.1	75-125			
Matrix Spike (6061604-MS2)	**Source: T600810-22**			Prepared: 06/16/06 Analyzed: 06/20/06						
Surrogate: Toluene-d8	*42.4*		*ug/l*	*40.0*		*106*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*39.8*		"	*40.0*		*99.5*	*83.5-119*			
Surrogate: Dibromofluoromethane	*46.1*		"	*40.0*		*115*	*81.1-136*			
Chlorobenzene	86.6	1.0	"	100	ND	86.6	75-125			
1,1-Dichloroethene	101	1.0	"	100	ND	101	75-125			
Trichloroethene	92.0	1.0	"	100	ND	92.0	75-125			
Benzene	94.6	0.50	"	100	ND	94.6	75-125			
Toluene	92.0	0.50	"	100	ND	92.0	75-125			
Matrix Spike Dup (6061604-MSD1)	**Source: T600810-03**			Prepared: 06/16/06 Analyzed: 06/19/06						
Surrogate: Toluene-d8	*42.0*		*ug/l*	*40.0*		*105*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*43.3*		"	*40.0*		*108*	*83.5-119*			
Surrogate: Dibromofluoromethane	*43.5*		"	*40.0*		*109*	*81.1-136*			
Chlorobenzene	82.7	1.0	"	100	ND	82.7	75-125	0.850	20	
1,1-Dichloroethene	86.5	1.0	"	100	ND	86.5	75-125	1.49	20	
Trichloroethene	81.9	1.0	"	100	ND	81.9	75-125	0.367	20	
Benzene	87.0	0.50	"	100	ND	87.0	75-125	1.60	20	
Toluene	85.7	0.50	"	100	ND	85.7	75-125	0.466	20	

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Tait Environmental	Project: Mission Valley Rock	
701 N. Parkcenter Drive	Project Number: EM25009A	**Reported:**
Santa Ana CA, 92705	Project Manager: Paul McCarter	06/23/06 10:01

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 6061604 - EPA 5030 GCMS										
Matrix Spike Dup (6061604-MSD2)	**Source: T600810-22**			Prepared: 06/16/06 Analyzed: 06/20/06						
Surrogate: Toluene-d8	*42.1*		*ug/l*	*40.0*		*105*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*40.9*		*"*	*40.0*		*102*	*83.5-119*			
Surrogate: Dibromofluoromethane	*46.7*		*"*	*40.0*		*117*	*81.1-136*			
Chlorobenzene	88.1	1.0	"	100	ND	88.1	75-125	1.72	20	
1,1-Dichloroethene	98.2	1.0	"	100	ND	98.2	75-125	2.81	20	
Trichloroethene	86.5	1.0	"	100	ND	86.5	75-125	6.16	20	
Benzene	90.1	0.50	"	100	ND	90.1	75-125	4.87	20	
Toluene	88.2	0.50	"	100	ND	88.2	75-125	4.22	20	

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Notes and Definitions

QM-08	Spike recovery for LCS/LCSD were outside acceptance limits. Results accepted based on valid recovery of spike in MS and MSD.
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