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Fourth Quarter 2006 Groundwater Monitoring and Sampling Report

Mission Valley Rock Company 7999 Athenour Way Sunol, California

Prepared by: Tait Environmental Management, Inc.

January 30, 2007



January 30, 2007

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

SUBJECT: FOURTH QUARTER 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 Fourth 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.

Lee William

January 30, 2007

Fourth Quarter 2006 Groundwater Monitoring and Sampling Report

Mission Valley Rock Company 7999 Athenour Way Sunol, California

Prepared for:

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Project No. EM-5009C

TABLE OF CONTENTS

1.0	INTRODUCTION	2
2.0	OBJECTIVE AND SCOPE OF WORK	2
3.0	BACKGROUND	2
4.0	SITE HYDROGEOLOGY	2
5.0	GROUNDWATER MONITORING WELL PURGING AND SAMPLING	3
6.0	LABORATORY ANALYSES	4
7.0	SUMMARY OF ACTIVITIES AND FINDINGS	4
8.0	QUALITY ASSURANCE/QUALITY CONTROL	5
9.0	REFERENCES	6
10.0	LIMITATIONS	6
FIG	URES	
1.	Site Vicinity Map	
2.	Site Plan	
3.	Fourth Quarter 2006 Groundwater Contour Map (Shallow Zone)	
4.	Fourth Quarter 2006 Groundwater Contour Map (Deep Zone)	
5.	Fourth Quarter 2006 Groundwater Contour Map (Livermore Formation)	
6.	Fourth Quarter 2006 – TPHg Concentrations in Groundwater (Shallow Zone)	
7.	Fourth Quarter 2006 – TPHg Concentrations in Groundwater (Deep Zone)	
8.	Fourth Quarter 2006 – TPHg Concentrations in Groundwater (Livermore Formation)	
9. 10.	Fourth Quarter 2006 – MTBE Concentrations in Groundwater (Shallow Zone)	
10. 11.	Fourth Quarter 2006 – MTBE Concentrations in Groundwater (Deep Zone) Fourth Quarter 2006 – MTBE Concentrations in Groundwater (Livermore Formation)	
11. 12.	Fourth Quarter 2006 – Benzene Concentrations in Groundwater (Civermore Formation) Fourth Quarter 2006 – Benzene Concentrations in Groundwater (Shallow Zone)	
13.	Fourth Quarter 2006 – Benzene Concentrations in Groundwater (Granow Zone)	
14	Fourth Quarter 2006 – Benzene Concentration is Groundwater (Livermore Formation)	١

TABLES

- Well Construction Details and Groundwater Elevation Data Fourth Quarter 2006 1.
- Historical Groundwater Gauging Data 2.
- Groundwater Analytical Results Fourth Quarter 2006 Historical Groundwater Analytical Results 3.
- 4.

APPENDICES

- Cross Sections A.
- Sampling Data Sheets B.
- Certificate of Disposal Laboratory Report C.
- D.

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

1.0 INTRODUCTION

This report summarizes the Fourth 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 Fourth 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:

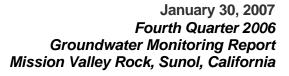
- Groundwater Monitoring & Sampling
- Laboratory Analyses
- Report Preparation
- Non-hazardous Waste Disposal

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-5S, MW-6S, MW-6D, MW-7S, MW-7D, MW-8). Shallow wells were designated with an "S" and deep wells were designated with a "D". Groundwater monitoring well MW-2 was abandoned. The work was performed in accordance with the Alameda County Environmental Health Services (ACEHS) directive of November 16, 2004, which requested the collection of depth-discrete groundwater samples from the site (ACEHS, 2004)





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

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

4.0 SITE HYDROGEOLOGY

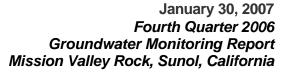
The site is located within the Sunol Valley at an elevation of approximately 260 feet above mean sea level (USGS, 1989). The land surface at the site has been disturbed by excavation activities; however, the natural surface slopes at a gradient of approximately 35 feet per mile toward San Antonio Creek 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 Fourth Quarter 2006 groundwater monitoring data, the overall depth to groundwater at the site ranged from 4.05 feet bgs in well MW-4S to 10.25 feet bgs in well MW-12LF. In general, groundwater levels have risen an average of 0.54 feet in most wells relative to the Third Quarter 2006 monitoring event.

Groundwater in the shallow-zone wells is generally flowing in an southeasterly direction at an approximate gradient of 0.010 foot/foot (ft/ft), although this direction was altered by a groundwater mound centered on wells MW-4S and MW-10S in the eastern part of the site (Figure 3). Groundwater in the deep-zone wells is flowing in a southeasterly direction at a gradient of approximately 0.011 ft/ft (Figure 4). Groundwater in the Livermore Formation is flowing in an east-southeasterly direction at a gradient of approximately to 0.008 ft/ft (Figure 5).





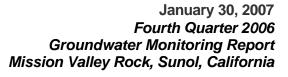
The flow direction in each of the flow regimes is opposite to the regional northwesterly groundwater flow direction in the Sunol Valley as reported by the ACEHS in their letter to Mission Valley Rock Company, dated November 3, 2005 (ACEHS, 2005). The variation from the regional trend may reflect local conditions, and the groundwater levels at the site may be affected by excavation and pumping operations related to aggregate extraction at the site. The redi-mix pond located west of the asphalt plant was pumped out during the summer of 2006, and the water level in the pond dropped approximately 10 feet during this time. The lowering of the water level in the redi-mix pond may have affected the wells located closest to it and had less effect on the furthest wells (MW-4 and MW-10). Also, Pond 1, which is located about 500 feet northeast of the asphalt plant was mucked out during the summer, and the water level dropped about two feet. The resultant effect of this activity is not clear, however.

5.0 GROUNDWATER MONITORING WELL PURGING AND SAMPLING

On December 04, 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 Fourth 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 December 4, 5, and 6, 2006, the groundwater monitoring wells were sampled using a two-stage 12-volt pump as part of the Fourth Quarter 2006 groundwater monitoring and sampling event. The two-stage pump was used in place of the Waterra pump due to low levels encountered in the wells during the Third Quarter 2006 monitoring event. The two-stage pump is a plastic submersible pump that connects to a 12-Volt battery. New dedicated ½-inch PVC tubing is used for each well. The two-stage pump is cleaned/scrubbed and allowed to run several minutes in a Alconox cleaning solution in between each well. The pump is then rinsed and allowed to run several minutes in fresh water. Then de-ionized water is poured over and through the pump several times for the final rinse and allowed to air dry. The pump is installed into the well approximately in the middle of the screened interval.

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 176 gallons of purged groundwater were pumped into four steel 55-gallon drums during the sampling event. Groundwater samples were either collected from the discharge end of the pump at low-flow levels or disposable bailers 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 January 4, 2007. The Certificate of Disposal is contained in Appendix C.

6.0 LABORATORY ANALYSES

The groundwater samples collected during the Fourth 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; for benzene, toluene, ethylbenzene, total xylenes (BTEX); and for methyl tertiary butyl ether (MTBE), and the other fuel oxygenates tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), and ethyl tertiary-butyl ether (ETBE) using EPA Method No. 8260B.

Contoured dissolved-phase TPHg concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 6, 7, and 8, respectively. Contoured dissolved-phase MTBE concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 9, 10, and 11, respectively. Contoured dissolved-phase benzene concentrations in the shallow zone, deep zone, and Livermore Formation zone are presented in Figures 12, 13, and 14, respectively.

Fourth 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.

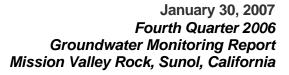
7.0 SUMMARY OF ACTIVITIES AND FINDINGS

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 have risen an average of 0.54 feet this quarter relative to the corresponding Third Quarter 2006 groundwater levels. The groundwater flow direction in all groundwater zones (shallow, deep, and Livermore Formation) is generally east-southeasterly to southeasterly at gradients ranging from 0.008 to 0.011 ft/ft.
- The redi-mix pond west of the asphalt plant was pumped out during the summer of 2006, and the decline in the water level in the pond may have affected the wells located closest to it. As wells MW-4 and MW-10 were located furthest from the pond, they may not have been as affected by the declining water levels in the pond than the other wells. Also, Pond 1, which is located northeast of the asphalt plant was mucked out at this time; however, the effect of these activities on the water levels these wells is unclear.

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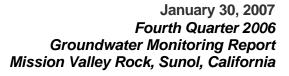
- Twenty-six (26) groundwater samples were collected from the monitoring wells at the site, and they were delivered to SunStar for analysis.
- A maximum TPHd concentration of 190,000 micrograms per liter (μg/L) was detected in well MW-11D. TPHd concentrations appear to be localized in the southern part of the area.
- A maximum TPHg concentration of 170,000 μg/L was detected in well MW-9D. Highest concentrations of TPHg appear to be localized in the deep-zone wells in the north-central part of the area, particularly in the vicinity of wells MW-7D and MW-9D, and in the vicinity of well MW-11D in the south-central part of the area.
- 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. MTBE is notably absent in well MW-7 in the northern part of the area.
- A maximum benzene concentration of 1,800 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 lower level impacts were noted in well MW-11D.
- Concentration trends of toluene, ethylbenzene, and total xylenes are similar to those of benzene.
- Tert-butyl alcohol was detected for the first time at concentrations of 210 μg/L in well MW-12S. This was the only analyte detected in this well and may be anomalous. Data obtained during the First Quarter 2007 sampling event will be used to verify this result.
- 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.

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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.

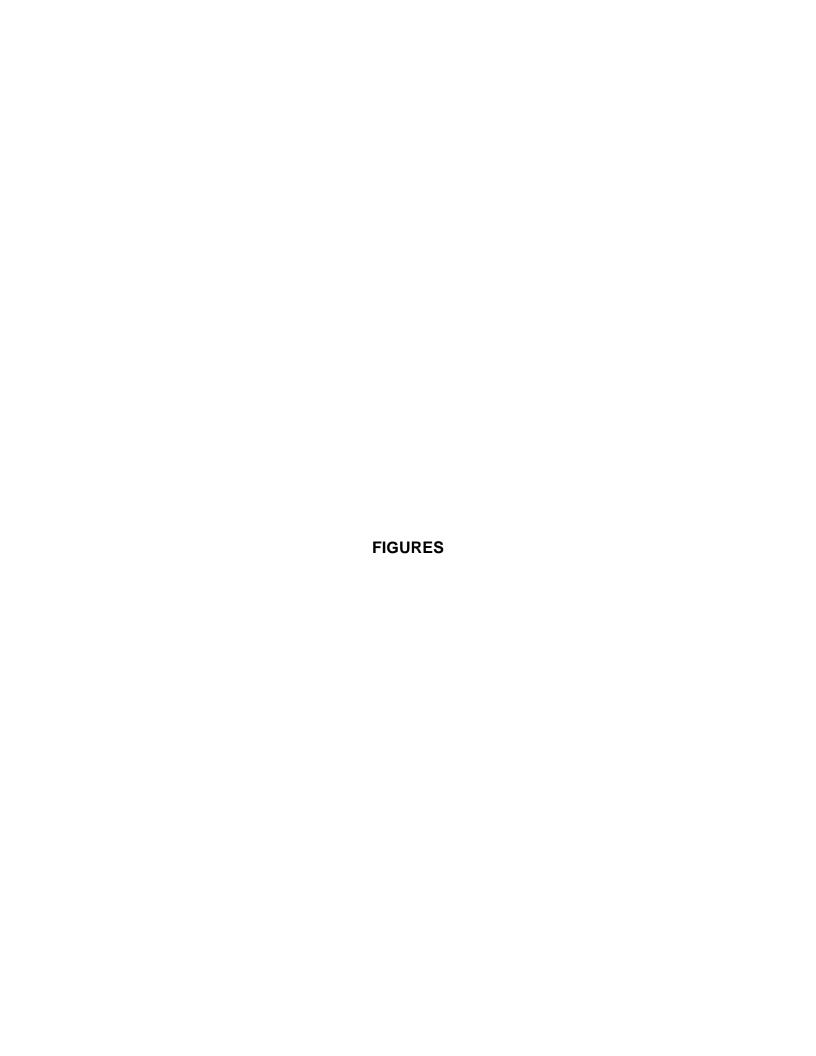
Tait Environmental Management, April 1, 2005, Site Assessment and First Quarter 2005 Groundwater Monitoring and Sampling Report, Mission Valley Rock Company, 7999 Athenour Way, Sunol, California 94586.

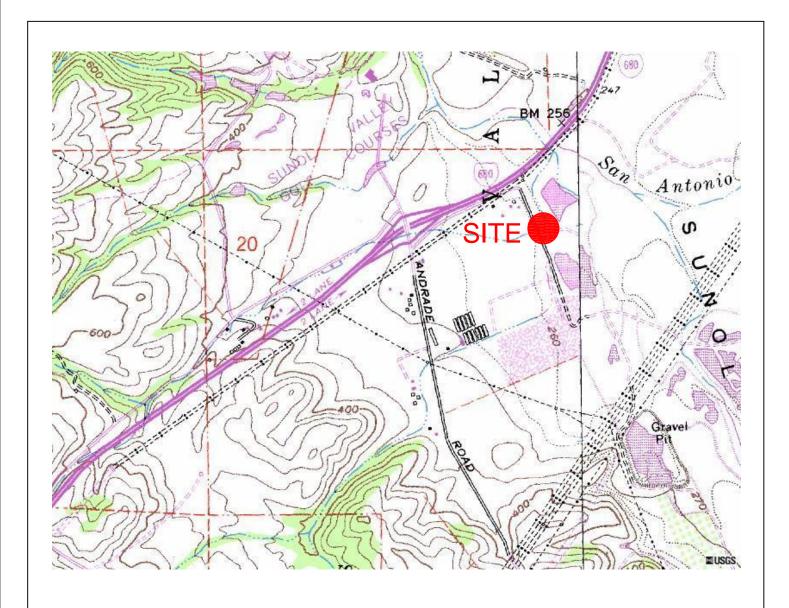
U.S. Geological Survey (USGS), 1989, Fremont 7.5 Minute Topographic Quadrangle Map, 1:24,000.

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.

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

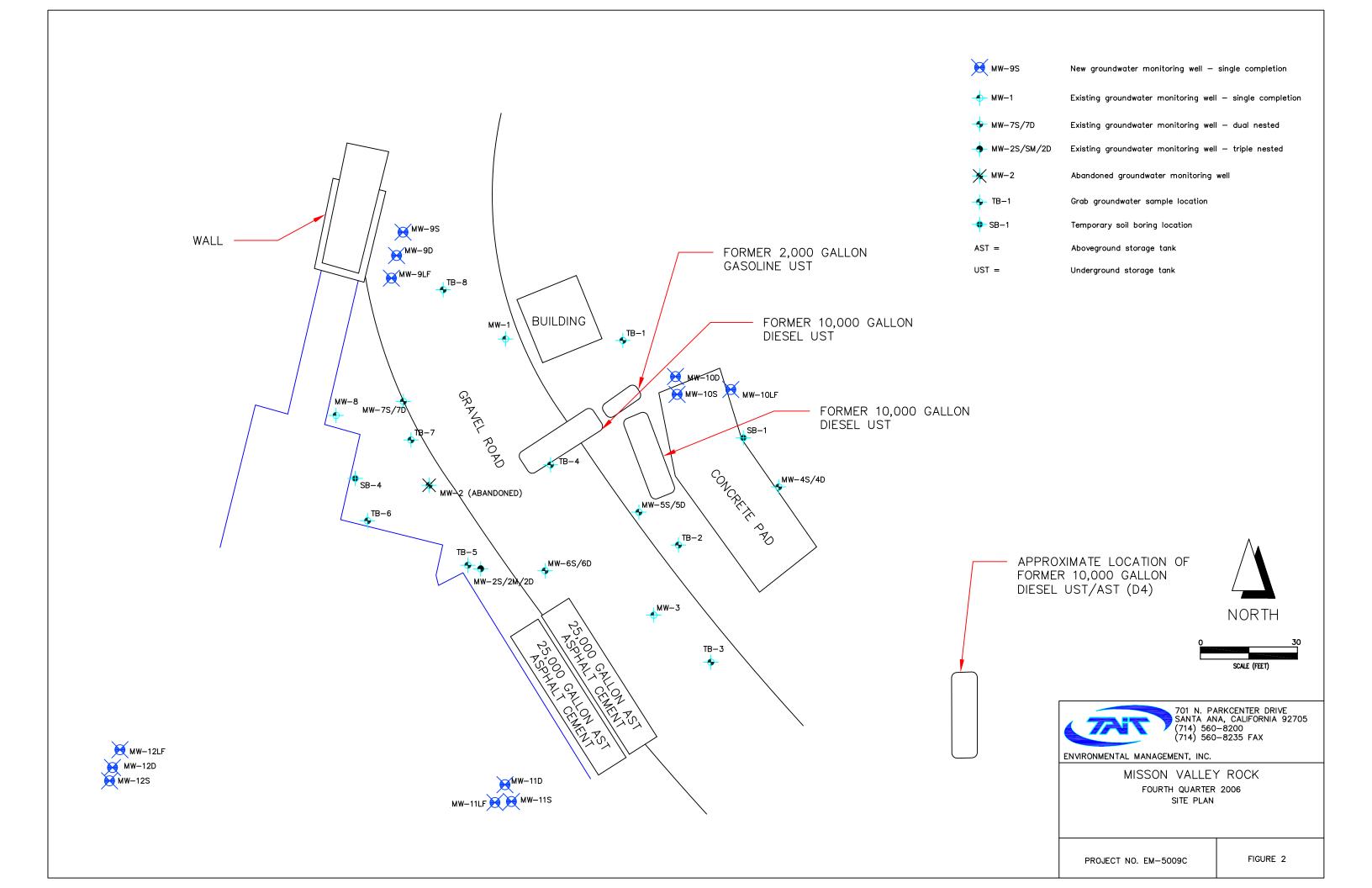


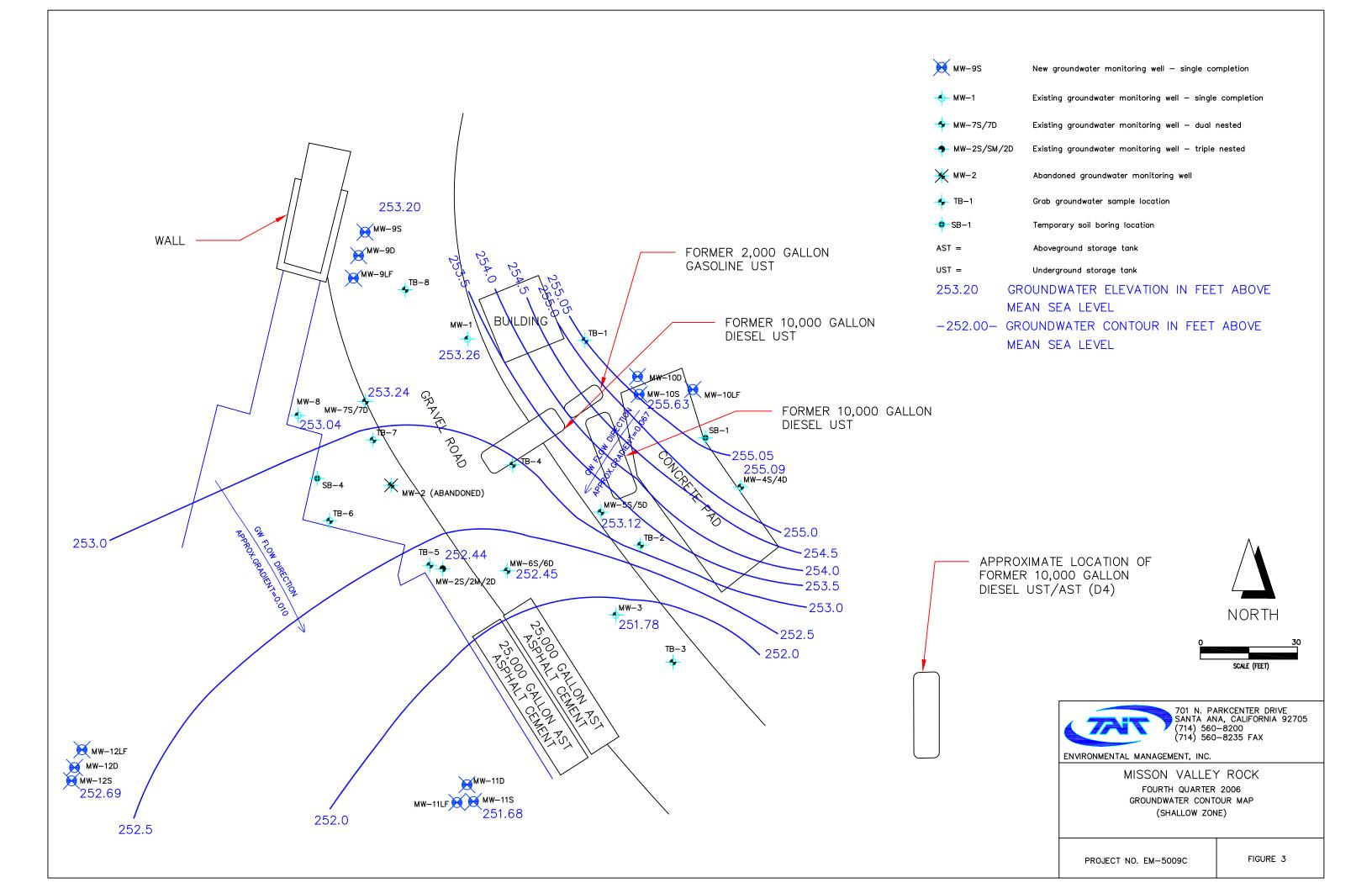
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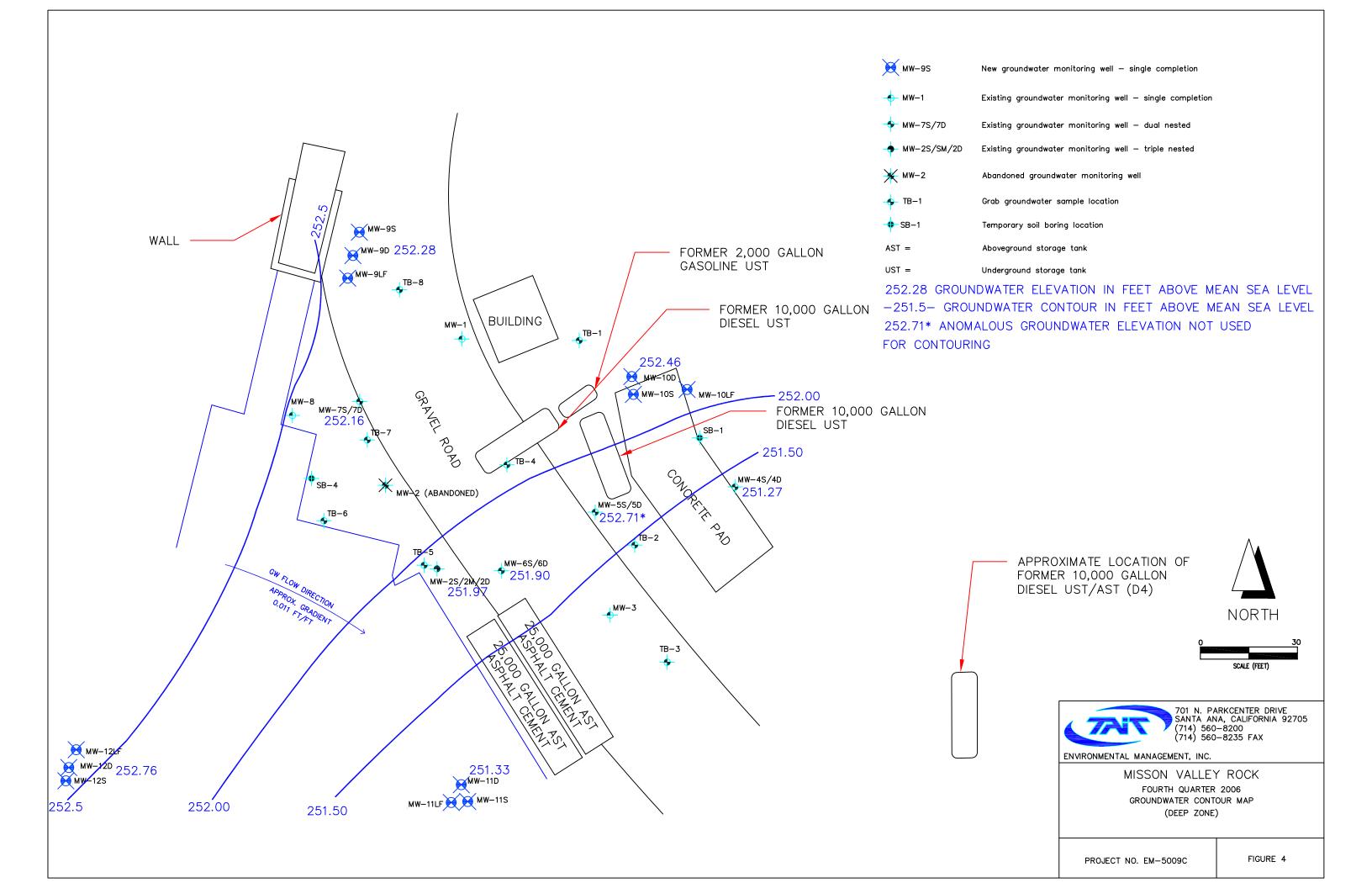
SITE VICINITY MAP MISSION VALLEY ROCK CO. 7999 ATHENOUR WAY SUNOL, CALIFORNIA

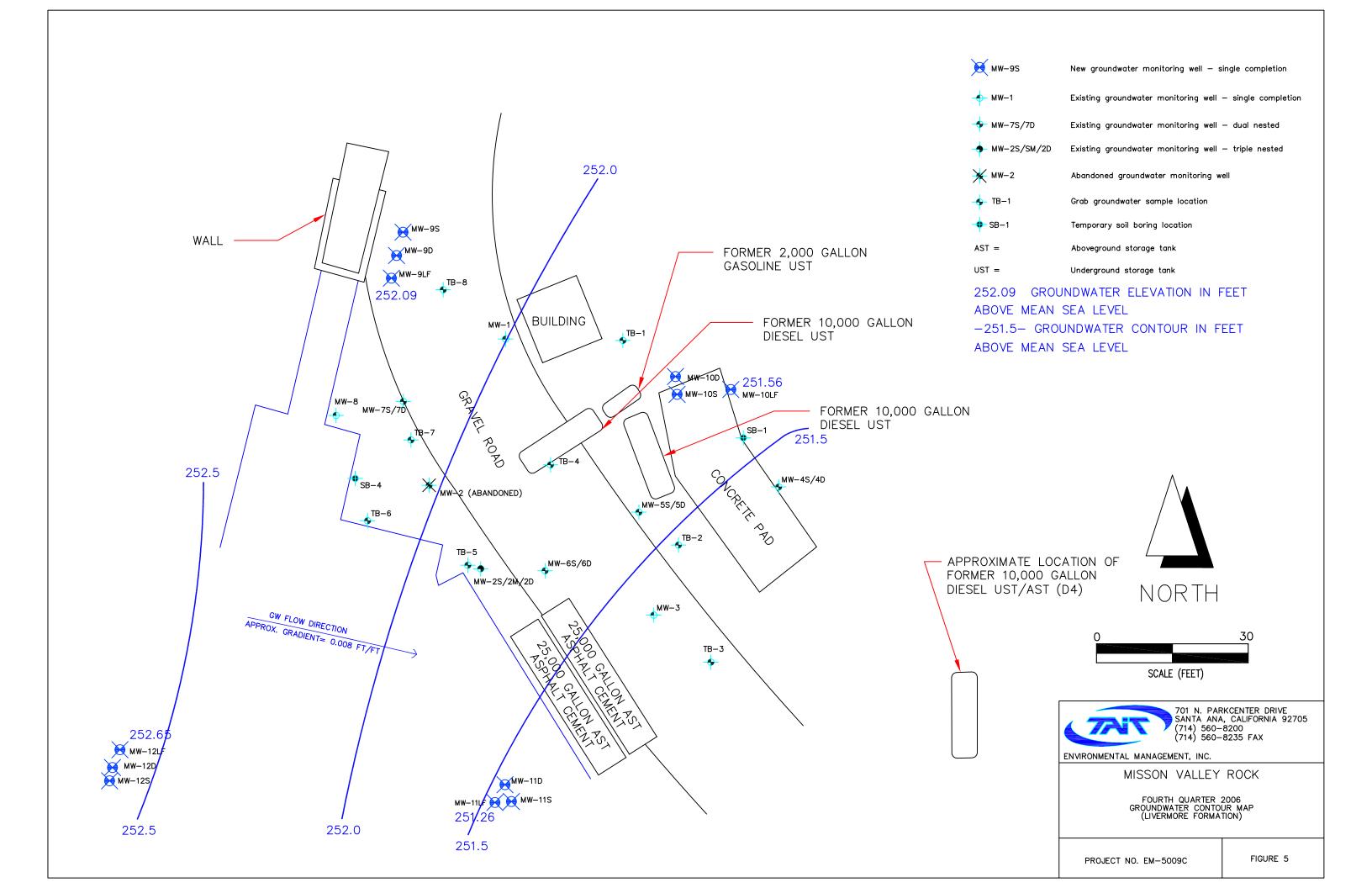
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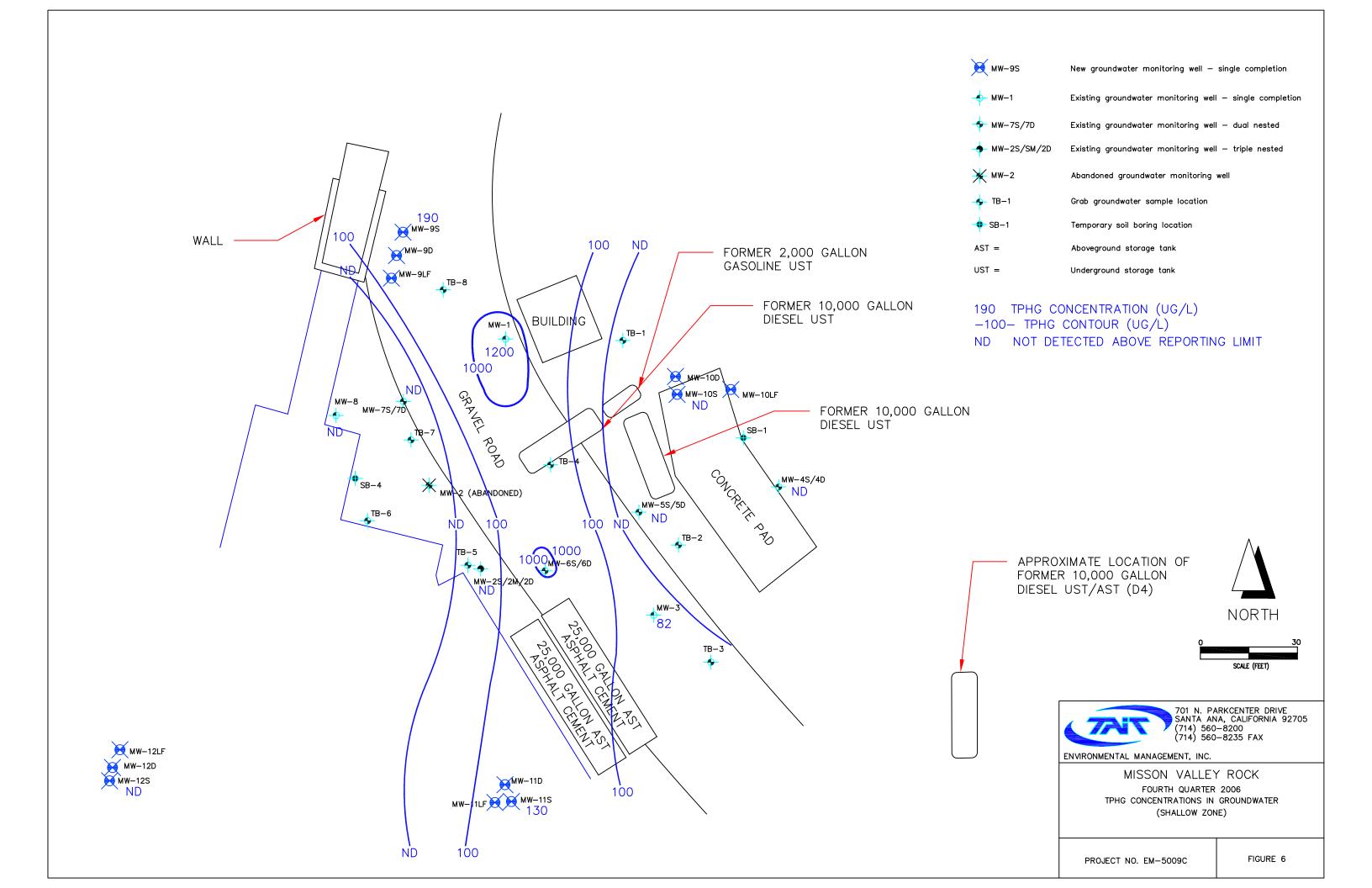
FIGURE 1

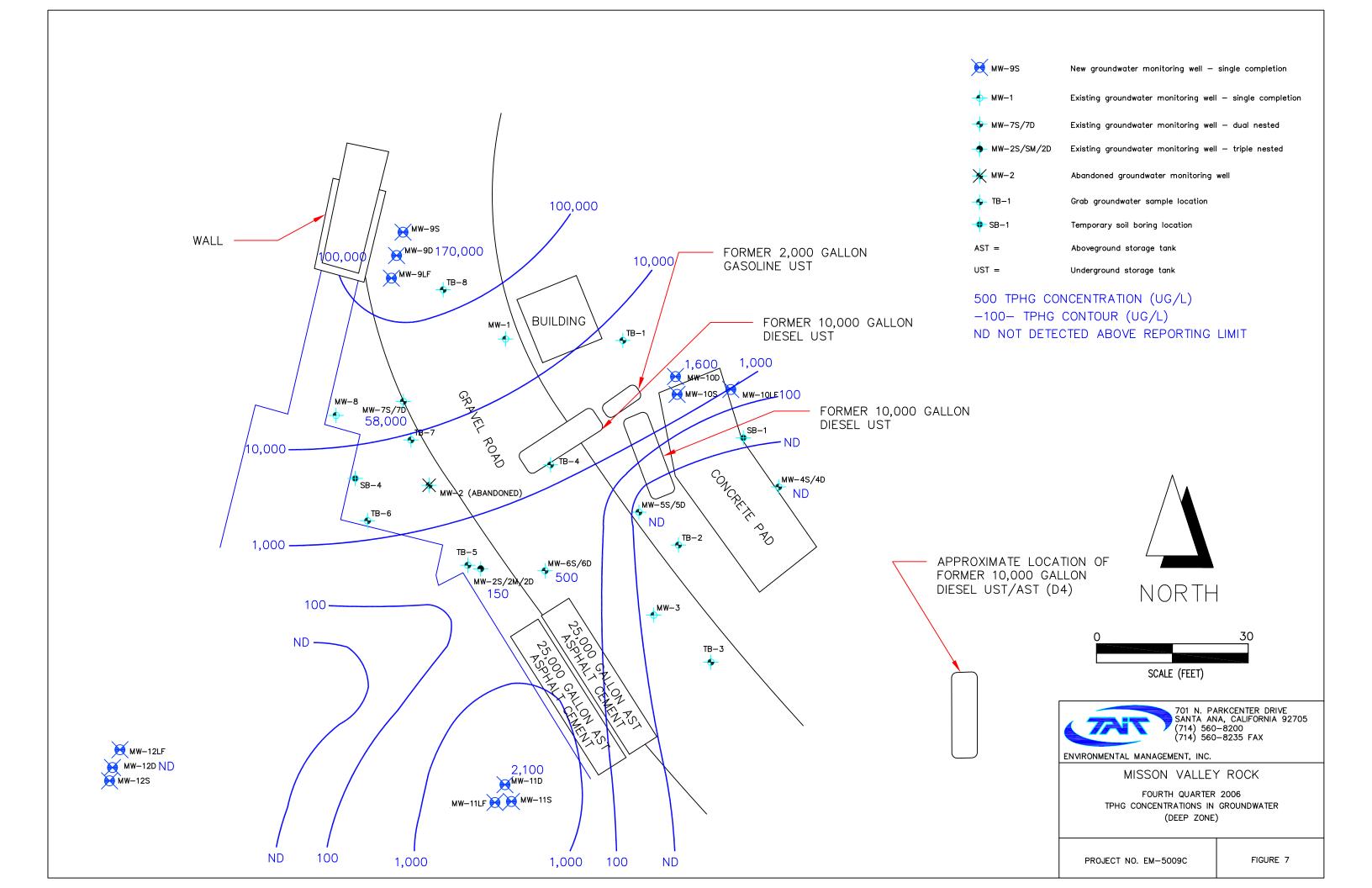


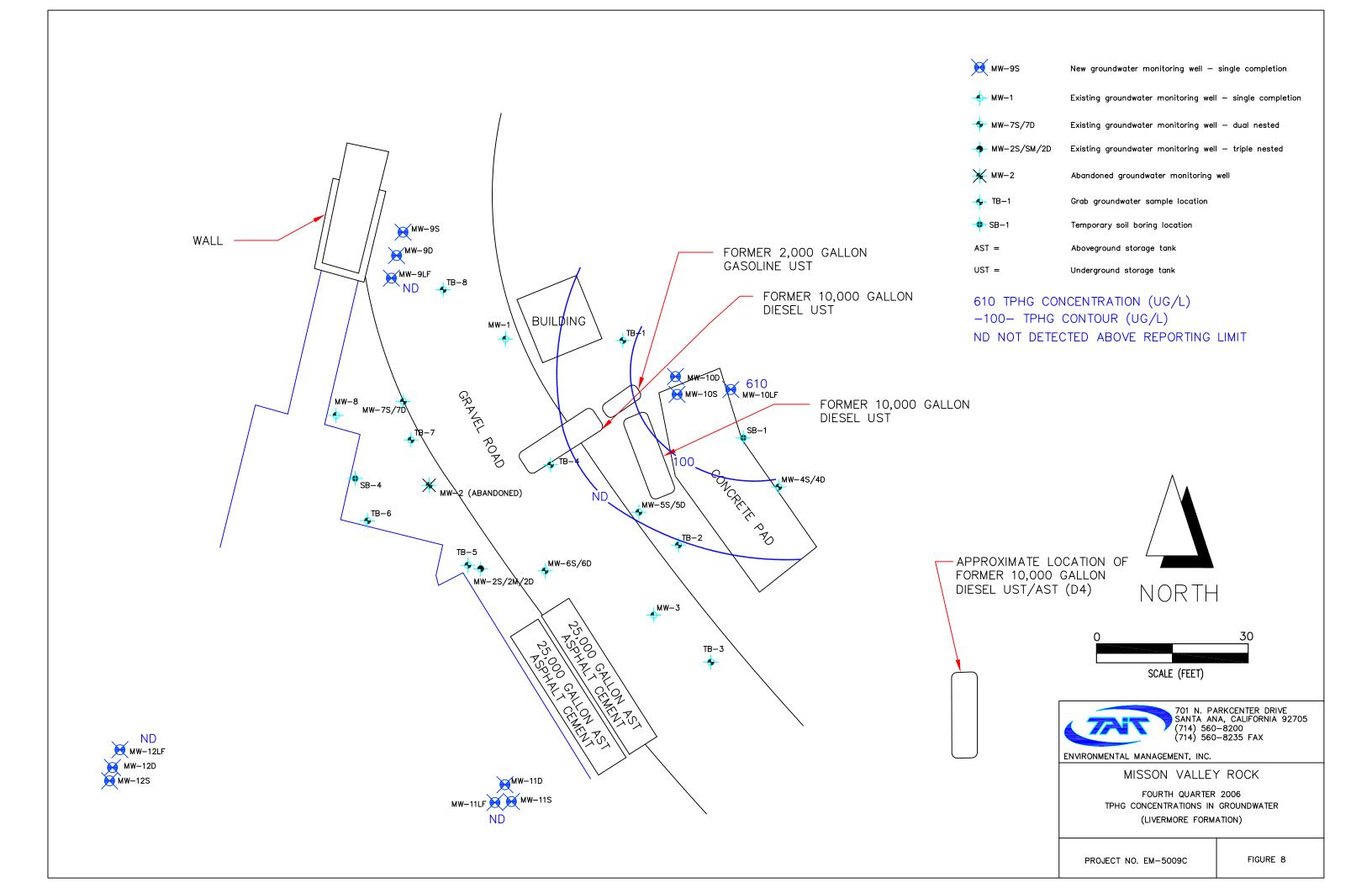


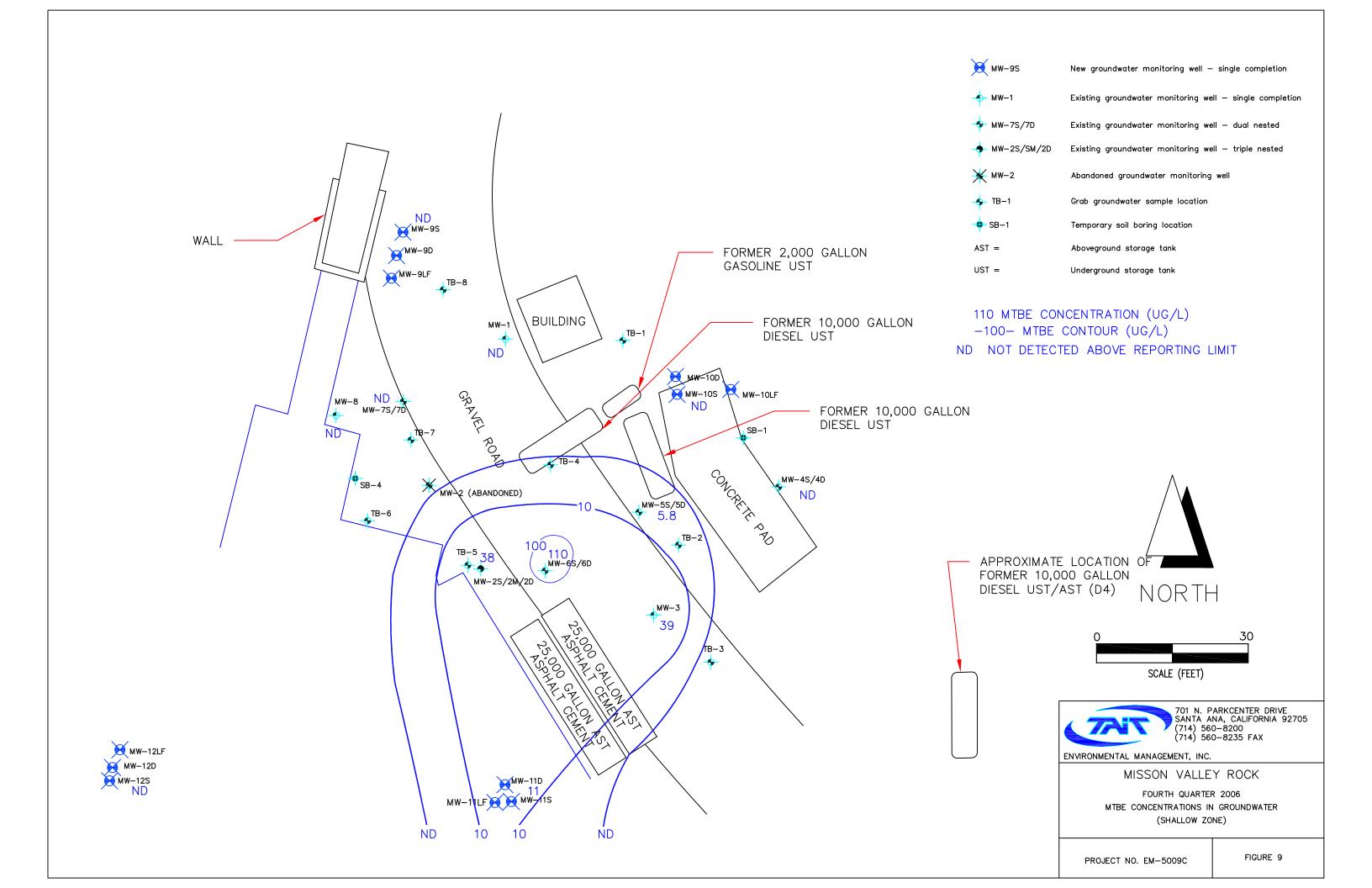


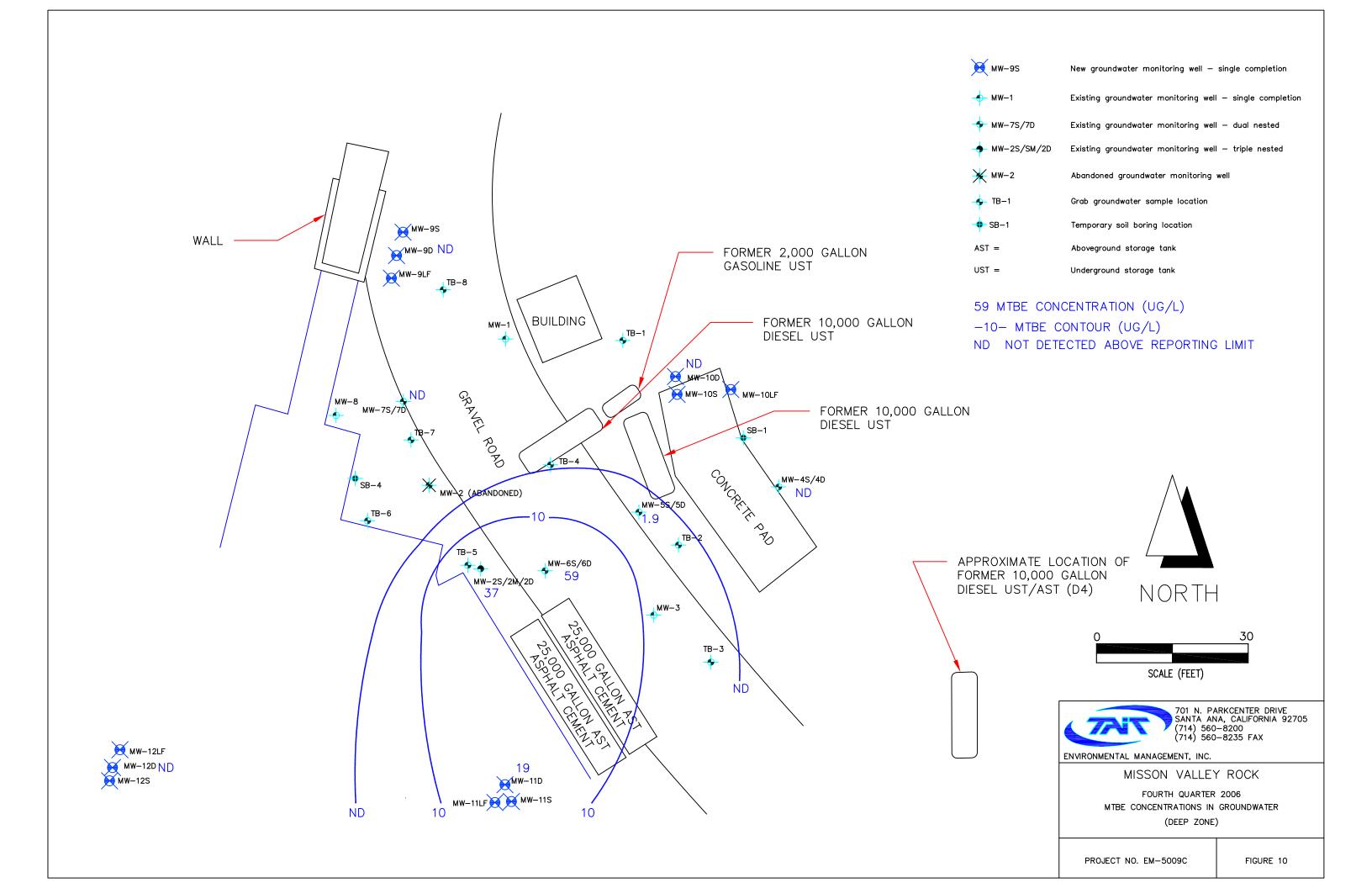


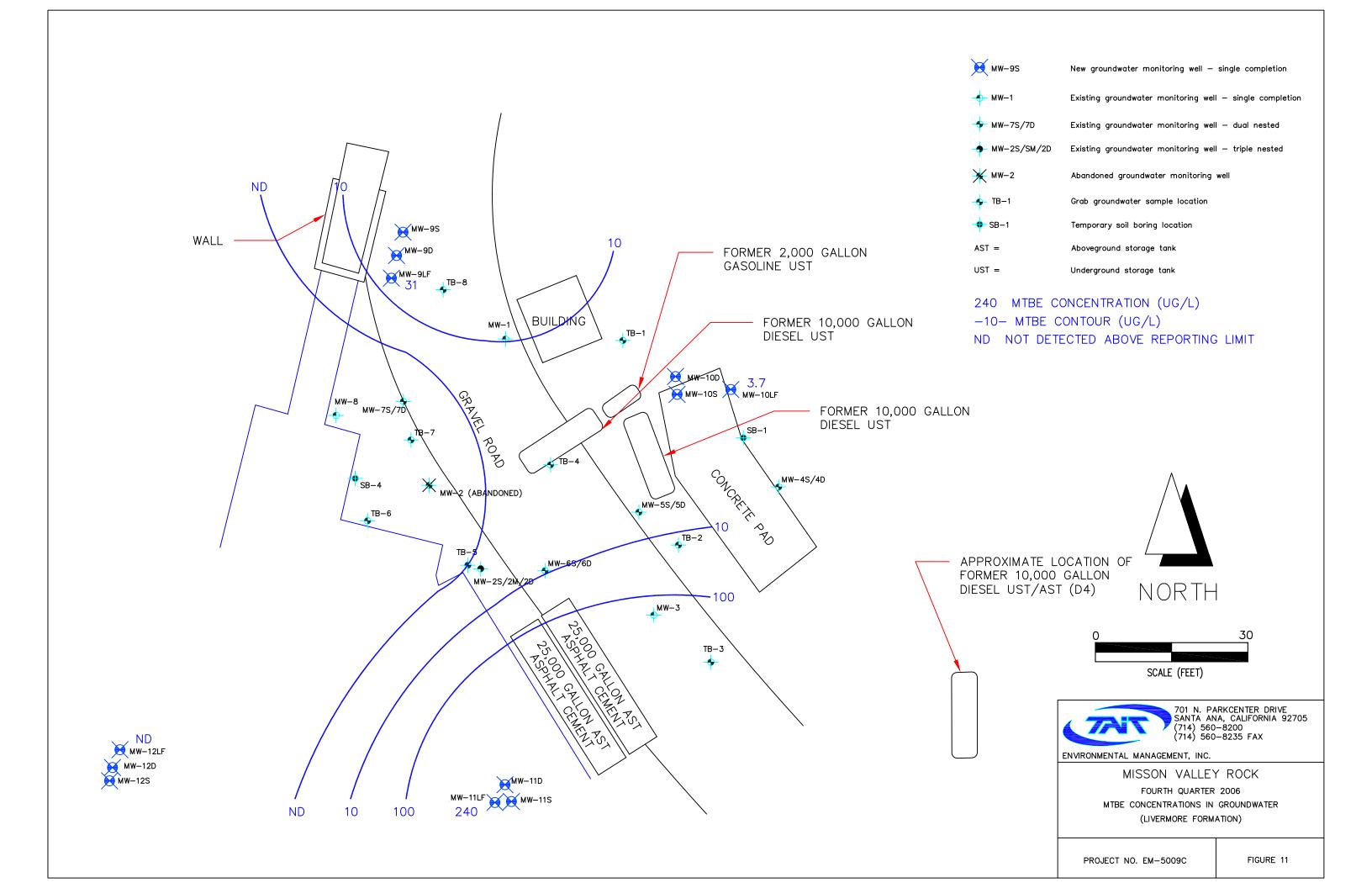


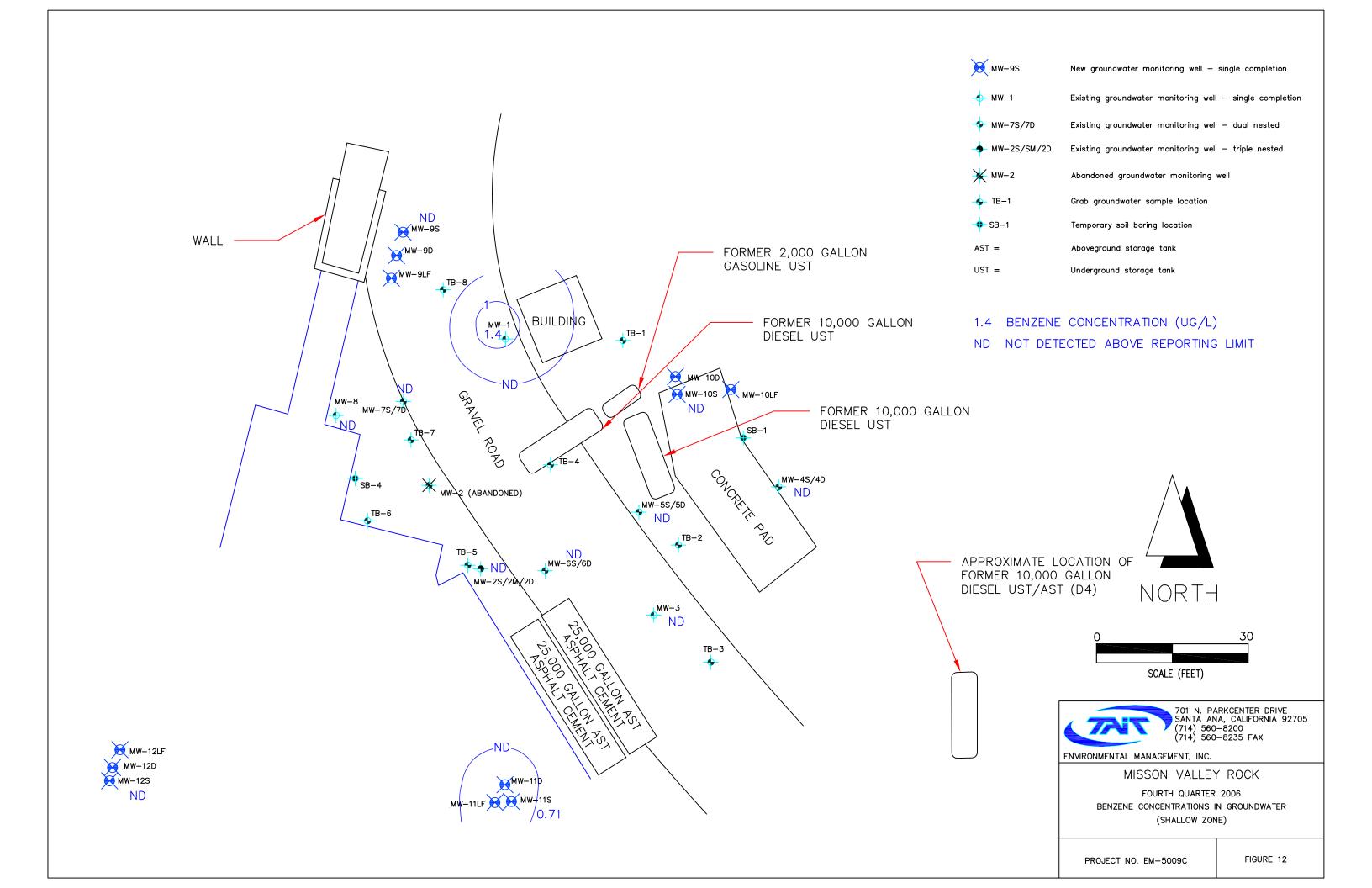


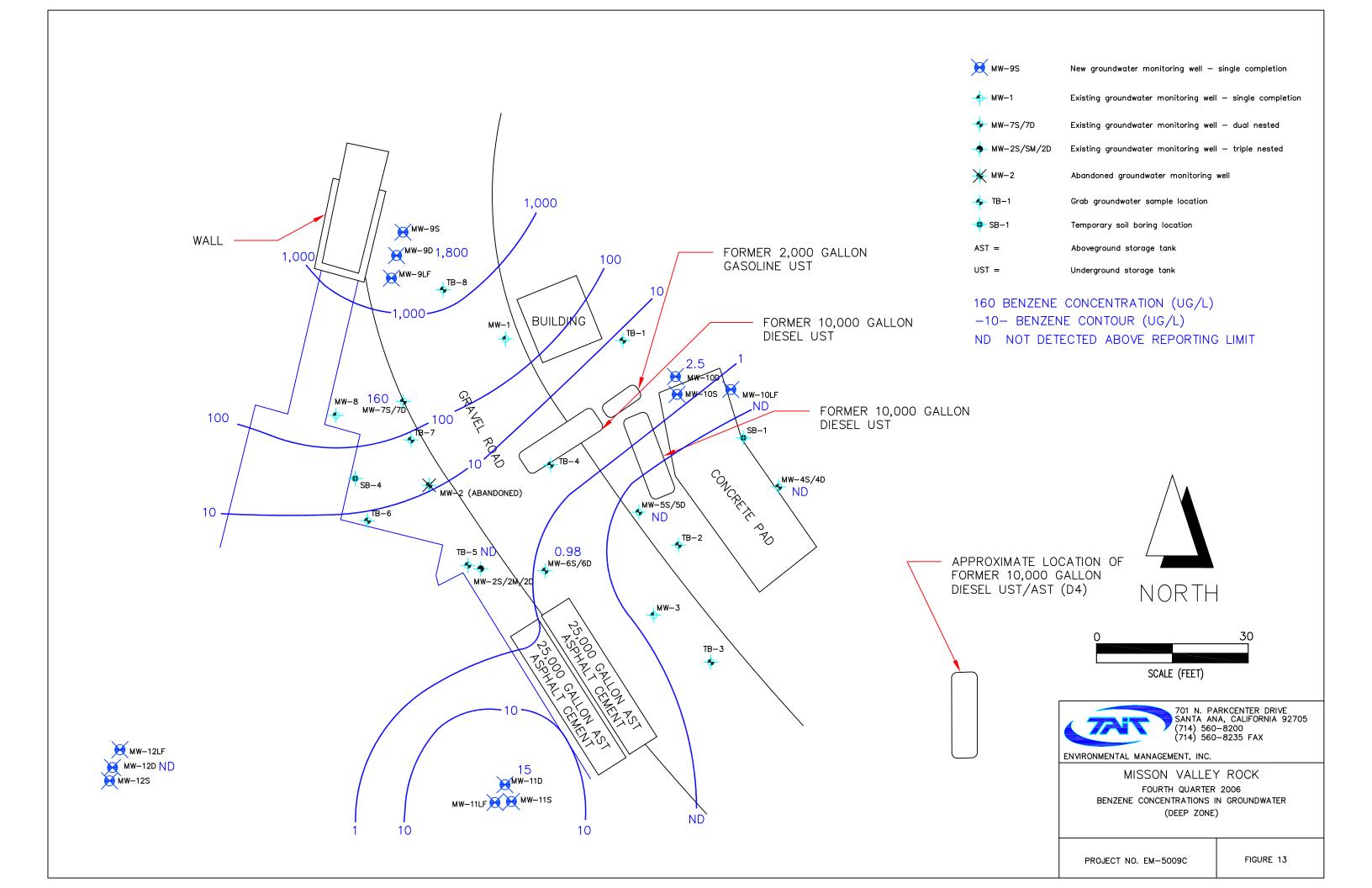


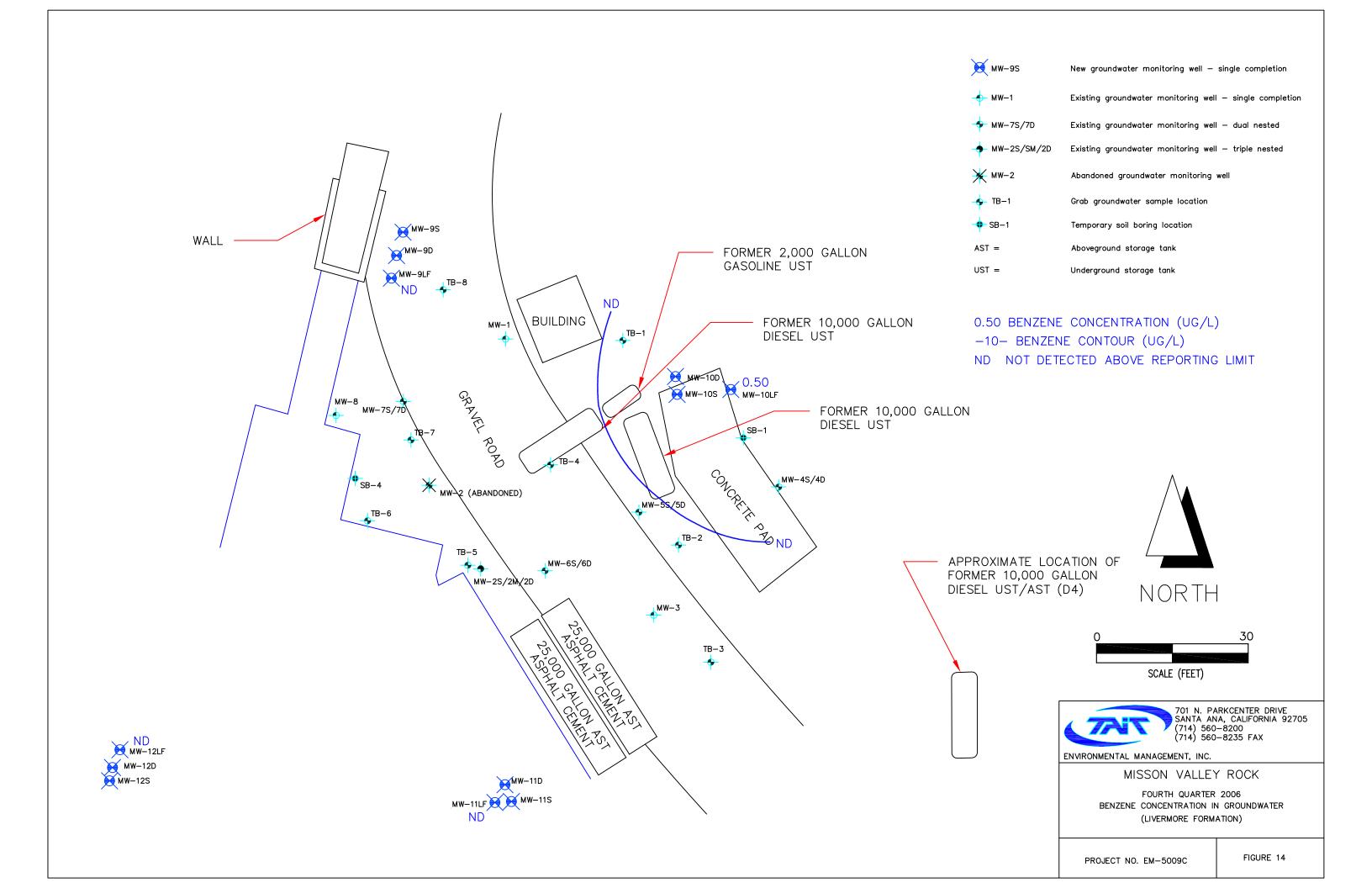












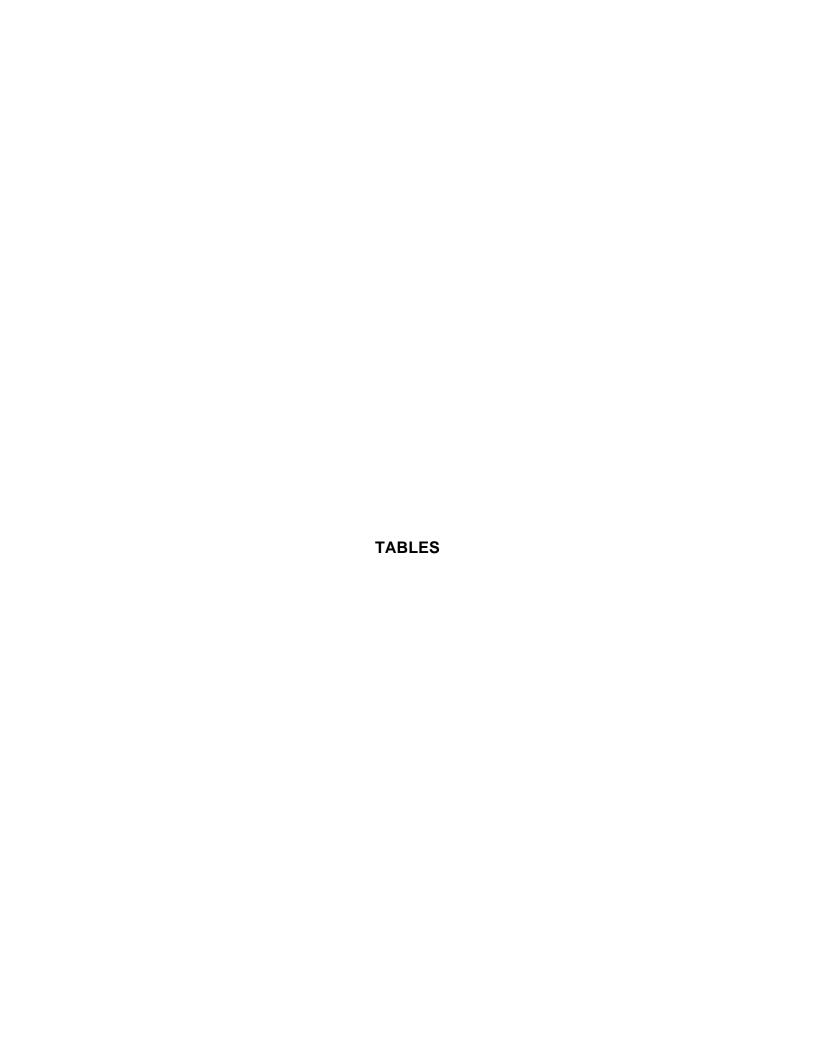


Table 1

Well Construction Details and Groundwater Elevation Data Fourth Quarter 2006

Mission Valley Rock Company Sunol, California

Surior, California									
Well ID	Casing Diameter (inches)	Depth to Water (feet below TOC)	Total Depth (feet below TOC)	Screened Interval (feet bgs)	Measuring Point Elevation (feet MSL)	Groundwater Elevation (feet MSL)			
MW-1	2	5.42	17.78	5.0 - 20.0	258.68	253.26			
MW-2S	2	6.40	8.71	3.0-8.0	258.84	252.44			
MW-2M	2	6.89	12.29	14.0-19.0	258.99	252.10			
MW-2D	2	6.94	29.54	25.0-30.0	258.91	251.97			
MW-3	2	7.30	14.70	5.0-20.0	259.08	251.78			
MW-4S	2	4.05	8.35	3.0-8.0	259.14	255.09			
MW-4D	2	7.95	23.38	17.0-22.0	259.22	251.27			
MW-5S	2	6.31	8.24	3.0-8.0	259.43	253.12			
MW-5D	2	6.69	22.65	17.0-22.0	259.40	252.71			
MW-6S	2	6.30	15.00	5.0-15.0	258.75	252.45			
MW-6D	2	7.37	29.15	24.5-29.5	259.27	251.90			
MW-7S	2	5.60	8.48	5.0-8.0	258.84	253.24			
MW-7D	2	6.64	23.61	20.0-25.0	258.80	252.16			
MW-8	2	5.80	15.30	5.0-15.0	258.84	253.04			
MW-9S	2	5.21	12.20	5.3-12.3	258.41	253.20			
MW-9D	2	6.58	24.28	18.9-23.9	258.86	252.28			
MW-9LF	2	6.85	39.11	33.3-38.3	258.94	252.09			
MW-10S	2	5.04	9.58	4.8-9.8	260.67	255.63			
MW-10D	2	8.18	19.38	15.5-20.5	260.64	252.46			
MW-10LF	2	9.02	39.90	34.4-39.4	260.58	251.56			
MW-11S	2	7.28	9.43	4.8-9.8	258.96	251.68			
MW-11D	2	7.65	20.50	15.3-20.3	258.98	251.33			
MW-11LF	2	7.75	39.41	32.8-37.8	259.01	251.26			
MW-12S	2	10.00	11.04	4.6-11.6	262.69	252.69			
MW-12D	2	9.94	19.70	16.0-21.0	262.70	252.76			
MW-12LF	2	10.25	39.50	33.7-38.7	262.90	252.65			

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

			Sunol, California		
Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
		06/23/98	1.32	255.19	ND
		01/05/99	2.28	254.23	ND
		03/29/99	1.88	254.63	ND
		06/10/99	3.35	253.16	ND
	050.54		2.28	254.23	ND
	256.51	06/27/01	3.60	252.91	ND
		09/21/01	6.50	250.01	ND
		12/27/01	1.29	255.22	ND
		03/29/02	2.91	253.60	ND
MW-1		06/13/02	3.95	252.56	ND
		09/27/02	5.18	ATOC (feet MSL) CPH I Inickness (feet)	
		12/03/02	3.90		
		03/31/03	1.40	255.11	ND
			2.65		ND
	258.68				
			1/05/99		
		Date Depth to Water (feet below TOC) Groundwater Elevation (feet MSL) 06/23/98 1.32 255.19 01/05/99 2.28 254.23 03/29/99 1.88 254.63 06/10/99 3.35 253.16 09/17/99 3.66 252.85 12/27/99 2.94 253.57 03/22/00 2.72 253.79 06/30/00 4.01 252.50 09/14/00 5.11 251.40 12/20/00 4.95 251.56 03/22/01 2.28 254.23 06/27/01 3.60 252.91 09/21/01 6.50 255.00 12/27/01 1.29 255.22 03/29/02 2.91 253.60 09/27/02 5.18 251.33 12/03/02 3.95 252.56 09/27/02 5.18 251.33 12/03/02 3.90 252.61 03/31/03 1.40 255.11 06/27/03 2.65 253.86			
BANA/ O	050.7				
MW-2	256.7				
	<u> </u>				
	L				
			5.02		
			NM	NM	ND
		01/05/05		Abandoned	

			Sunoi, California		
Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
		01/17/05	4.25	254.59	ND
		05/04/05	1.98		ND
	250.04	08/12/05	5.46		ND
		12/12/05	7.38		ND
WW-25	258.84	03/02/06			ND
					ND
					ND
			6.40		ND
			4.68		
	 				
MW-2M	258.99				
MW-2S 258.84 01/17/05 4.25 254.59 05/04/05 1.98 256.86 08/12/05 5.46 253.38 12/12/05 7.38 251.46 03/02/06 2.24 256.60 06/12/06 3.08 255.76 09/05/06 7.01 251.83 12/04/06 6.40 252.44 24.06 250.34 12/04/06 6.40 252.44 256.60 08/12/05 5.77 253.22 12/12/05 7.78 251.21 03/02/06 2.10 256.89 06/12/06 3.39 255.60 09/05/06 7.36 251.63 12/04/06 6.89 252.10 06/12/04/06 6.89 252.10 06/12/04/06 6.89 252.10 06/12/04/06 6.89 252.10 06/12/04/06 6.89 252.10 06/12/06 3.38 256.53 08/12/05 5.90 253.01 12/12/05 5.85 251.06 05/04/05 2.38 256.53 08/12/05 5.90 253.01 12/12/05 5.85 251.06 06/12/06 3.48 255.43 09/05/06 7.44 251.47 12/12/05 7.85 251.07 06/23/98 2.66 254.06 01/05/99 4.47 252.25 03/02/99 3.96 252.76 06/10/99 5.54 251.18 09/17/99 6.18 250.54 12/12/199 5.52 251.20 03/02/00 4.61 252.11 06/30/00 6.35 250.37 V					
MW-28 Elevation (Feet) Date Delow TOC) (feet MSL) Date Delow TOC) (feet MSL) Date Delow TOC) (feet MSL) Delow TOC) (feet MSL) Delow TOC) Delow T					
	 				
	 				
	 				
MW-2S 258.84 01/17/05 05/04/05 08/12/05 12/12/05 03/02/06 06/12/06 09/05/06 12/04/06 09/05/06 12/04/06 09/05/06 06/12/06 09/05/06 06/12/06 09/05/06 06/12/06 09/05/06 06/12/06 09/05/06 12/04/06 09/05/06 12/04/06 09/05/06 12/04/06 09/05/06 12/04/06 09/05/06 12/04/06 09/05/06 12/04/06 06/12/06 09/05/06 06/12/06 09/05/06 12/04/06 06/12/06 09/05/06 12/04/06 06/12/06 09/05/06 12/04/06 06/12/06 09/05/06 12/04/06 06/12/06 09/05/06 12/04/06 06/12/06 09/05/06 12/04/06 06/12/06 09/05/06 12/04/06 06/12/06 06/12/06 09/05/06 12/04/06 06/12/04/06 06/12/06 06/12/06 06/12/06 09/05/06 12/04/06 06/12					
MW-2D	258.91				
MW-2D					
	09/05/06 12/04/06				
	-				
					Slight Odor
	<u> </u>				
	<u> </u>				Sheen
					Odor
				252.11	Odor
					Very Slight Odor
		09/14/00	7.30	249.42	Very Slight Odor
		12/20/00	7.29	249.43	ND
	256.70	03/22/01	4.73	251.99	ND
	250.72	06/27/01	NM	NM	NM
		09/21/01	7.89	248.83	ND
MW-2S 258.84 0.1/17/05 4.	3.77	252.95	ND		
		03/29/02	5.12	251.60	ND
IVIVV-3		06/13/02	6.52	Section Sect	ND
		09/27/02	7.28		ND
MW-2M 258.99 258.99 258.99 258.99 258.99 MW-2D 258.91					
					ND
					ND ND
	259.08				
	1				
		UE/12/UE	115	261 03	NID.

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
		12/04/06	7.30	251.78	ND
		01/17/05	4.62	254.52	ND
		05/04/05	3.73	255.41	ND
		08/12/05	3.45	255.69	ND
MW-4S	250 1/	12/12/05	5.48	253.66	ND
10100-40	253.14	03/02/06	3.10	256.04	ND
			4.10		ND
			3.90	255.24	ND
					ND
					ND
		05/04/05			ND
					ND
MW-4D	259 22	12/12/05	8.50	250.72	ND
10100 45	200.22	03/02/06	3.63	255.59	ND
		06/12/06	4.51	254.71	ND
		09/05/06	8.18	251.04	ND
			7.95		ND
			4.57	254.86	ND
		05/04/05	2.50	256.93	ND
		08/12/05	5.30	254.13	ND
MW-5S	259 43	12/12/05	7.68	251.75	ND
14144-30	253.45	03/02/06	1.42	258.01	ND
		06/12/06	3.73	255.70	ND
		09/05/06	7.02	252.41	ND
			6.31		ND
		01/17/05	5.15	254.25	ND
		05/04/05	2.75	256.65	ND
		08/12/05	5.60	253.80	ND
MW-5D	259 40				ND
	200.10	03/02/06		257.42	ND
					ND
		09/05/06	7.30	252.10	ND
					ND
		01/17/05	4.30	254.45	ND
	l L	05/04/05	1.96		ND
MW-4S 259.14 12/04/06 7.30 01/17/05 4.62 05/04/05 3.73 08/12/05 5.48 03/02/06 3.10 06/12/06 4.10 09/05/06 3.90 12/04/06 4.05 05/04/05 3.93 08/12/05 5.60 05/04/05 3.93 08/12/05 5.60 05/04/05 3.93 08/12/05 5.60 05/04/05 3.93 08/12/05 5.60 05/04/06 4.51 09/05/06 3.63 06/12/06 4.51 09/05/06 3.63 06/12/06 4.51 09/05/06 3.63 06/12/06 4.57 05/04/05 2.50 08/12/05 5.30 08/12/05 5.30 08/12/05 5.30 08/12/05 5.30 08/12/05 5.30 08/12/05 5.30 08/12/05 5.30 08/12/05 5.30 08/12/05 5.30 08/12/05 5.50 08/12/05 5.50 08/12/05 5.50 08/12/05 5.50 08/12/05 5.50 08/12/05 5.50 08/12/05 5.60 01/17/05 5.15 05/04/05 2.75 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/05 5.60 08/12/06 6.69 08/12/06 6.69 01/17/05 4.30 01/17/05 01/17/05 01/17/0			ND		
MW-6S	MW-4S 12/04/06 7.30 251.78 12/04/06 7.30 251.78 12/04/06 7.30 251.78 12/04/06 3.73 255.41 08/12/05 3.45 255.69 12/12/05 5.48 253.66 03/02/06 3.10 256.04 06/12/06 4.10 255.04 09/05/06 3.90 255.24 12/12/05 5.48 253.66 03/02/06 3.90 255.24 12/04/06 4.05 255.09 08/12/05 3.93 255.29 08/12/05 8.50 253.26 05/04/05 3.93 255.29 08/12/05 8.50 250.72 03/02/06 4.51 254.71 09/05/06 8.18 251.04 12/04/06 4.51 254.71 09/05/06 8.18 251.04 12/04/06 4.57 254.86 06/12/06 4.57 254.86 06/12/05 2.50 256.93 08/12/05 2.50 256.93 08/12/05 2.50 256.93 08/12/05 2.50 256.93 08/12/05 2.50 256.93 08/12/05 2.50 255.12 12/12/05 7.68 251.75 09/05/06 7.02 252.41 12/04/06 6.31 253.12 12/04/06 6.31 253.12 12/04/06 6.31 253.12 12/04/06 6.31 253.12 12/04/06 6.31 253.12 12/04/06 6.31 253.12 12/04/06 6.31 253.12 12/04/06 6.31 253.12 12/04/06 6.31 253.12 12/04/06 6.31 253.80 12/12/05 7.92 251.48 03/02/06 1.98 257.42 06/12/06 6.69 252.71 12/04/06 6.69 252.71 12/04/06 6.69 252.71 12/04/06 6.94 255.76 09/05/06 7.92 251.81 12/04/06 6.94 255.76 09/05/06 7.95 256.65 09/05/06 7.95 256.67 09/05/06 7.95 256.67 09/05/06 7.95 256.67 09/05/06 7.95 256.67 09/05/06 7.95 256.67 09/05/06 7.95 256.67 09/05/06 7.95 256.67 09/05/06 6.94 251.81 12/04/06 6.30 252.45 09/05/06 6.94 251.81 12/04/06 6.30 252.45 09/05/06 6.94 251.81 12/04/06 6.30 252.45 09/05/06 6.94 251.81 12/04/06 6.30 252.45 09/05/06 6.94 251.81 12/04/06 6.30 252.45 09/05/06 6.94 251.81 12/04/06 6.30 252.45 09/05/06 6.94 251.81 12/04/06 6.30 252.45 09/05/06 6.94 251.81 12/04/06 6.30 252.45 09/05/06 6.94 251.81 12/04/06 6.30 252.45 09/05/06 6.94 251.87 05/06/06/06	ND			
MW-SS 259.43	ND				
					ND
	L				ND
					ND
					ND
					ND
	L				ND
MW-6D	259 27				ND
02					ND
	l L				ND
					ND
		12/04/06	7.37	251.90	ND

Well	Top of Casing Elevation (Feet)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet MSL)	LPH Thickness (feet)
		01/17/05	3.42	255.40	ND
		05/04/05	1.44	257.38	ND
	258.82	08/12/05	4.80	254.02	ND
M\N_7\$		01/17/05 3.42 255.40 05/04/05 1.44 257.38 08/12/05 4.80 254.02 12/12/05 6.64 252.18 03/02/06 0.95 257.87 06/12/06 2.55 256.29 09/05/06 6.30 252.54 12/04/06 5.60 253.24 01/17/05 5.50 252.57 05/04/05 1.45 256.62 08/12/05 7.40 250.67 03/02/06 5.10 252.97 Ga 06/12/06 3.66 255.14 Ga 09/05/06 7.19 251.61 01/17/05 3.45 255.39 05/04/05 1.25 257.59 05/04/05 1.45 250.67 03/02/06 5.10 252.97 Ga 06/12/06 3.66 255.14 Ga 09/05/06 7.19 251.61 01/17/05 3.45 255.39 05/04/05 1.25 257.59 08/12/05 4.92 253.92 12/12/05 6.67 252.17 03/02/06 0.78 258.06 06/12/06 2.44 256.40 09/05/06 2.44 256.40 09/05/06 5.80 253.04 06/12/06 5.80 255.70 09/05/06 5.92 252.49 12/04/06 5.80 255.70 09/05/06 5.92 252.49 12/04/06 5.21 255.28 06/12/06 3.16 255.70 09/05/06 7.12 251.74 12/04/06 6.58 252.28 06/12/06 3.46 255.48 09/05/06 7.12 251.74 12/04/06 5.80 255.67 09/05/06 5.92 255.67 09/05/06 5.62 255.67 09/05/06 5.62 255.67 09/05/06 5.62 255.67 09/05/06 5.62 255.20 06/12/06 5.42 255.22 09/05/06 5.92 251.72 12/04/06 5.64 255.23 06/12/06 3.46 255.63 06/12/06 3.46 255.67 09/05/06 5.62 255.67 09/05/06 5.62 255.05 12/04/06 5.62 255.05 12/04/06 5.62 255.22 09/05/06 5.92 251.72 12/04/06 5.42 255.22 09/05/06 5.92 251.72 12/04/06 5.42 255.22 09/05/06 5.92 251.72 12/04/06 5.42 255.22 09/05/06 5.92 251.72 12/04/06 5.42 255.22 09/05/06 5.92 251.72 12/04/06 5.42 255.22 09/05/06 5.92 251.72 12/04/06 5.42 255.22 09/05/06 5.99 254.59 09/05/06 5.99 254.59 09/05/06 5.99 254.59 09/05/06 5.99 254.59 09/05/06 5.99 254.59 09/05/06 5.99 254.59 09/05/06 5.65 250.93 12/04/06 5.66 250.93 12/04/06 5.66 250.93 12/04/06 5.66 250.93	ND		
WW-73		03/02/06	0.95	257.87	ND
		06/12/06	2.55	256.29	ND
	258.84				ND
		12/04/06	5.60	255.40	
		01/17/05	5.50	252.57	ND
		05/04/05	1.45	256.62	ND
	258.07	08/12/05	4.70	253.37	ND
MW-7S Continue	ND				
10100-710		03/02/06	Date Delow TOC (feet MSL LPH Inick Delow TOC (feet MSL Delow TOC (feet MSL Delow TOC Delow ToC	Gasoline odor	
					Gasoline odor
	258.80				ND
		12/04/06	6.64	2.55 256.29 ND 6.30 252.54 ND 5.60 253.24 ND 5.50 252.57 ND 1.45 256.62 ND 4.70 253.37 ND 7.40 250.67 ND 5.10 252.97 Gasoline odor 3.66 255.14 Gasoline odor 7.19 251.61 ND 6.64 252.16 ND 3.45 255.39 ND 1.25 257.59 ND 4.92 253.92 ND 6.67 252.17 ND 0.78 258.06 ND 2.44 256.40 ND 6.45 252.39 ND 5.80 253.04 ND 5.92 252.49 ND 5.21 253.20 ND 5.21 253.20 ND 3.16 255.70 ND 7.12 251.74	
		01/17/05	3.45		ND
		05/04/05	1.25	257.59	ND
		08/12/05	4.92	253.92	ND
MINAL O	250 04	12/12/05	6.67	252.17	ND
IVI VV-O	230.04	03/02/06		258.06	ND
		06/12/06	2.44	256.40	ND
		09/05/06	6.45	252.39	ND
		12/04/06	5.80	257.38 ND 254.02 ND 252.18 ND 257.87 ND 256.29 ND 252.54 ND 253.24 ND 255.257 ND 256.62 ND 253.37 ND 250.67 ND 252.97 Gasoline odd 255.14 Gasoline odd 255.14 Gasoline odd 255.14 Gasoline odd 255.16 ND 255.39 ND 255.39 ND 257.59 ND 253.92 ND 253.92 ND 252.17 ND 258.06 ND 256.40 ND 252.39 ND 253.04 ND 253.20 ND 255.70 ND 255.74 ND 255.48 ND 255.48 ND 255.67 ND <td>ND</td>	ND
		06/12/06	2.14	256.27	ND
MW-9S	258.41	09/05/06			ND
		12/04/06	5.21	253.20	ND
		06/12/06	3.16	255.70	ND
MW-9D	258.86	09/05/06	7.12		ND
		12/04/06	6.58	252.28	ND
		06/12/06	3.46	255.48	ND
MW-9LF	258.94				ND
		12/04/06	6.85	252.09	ND
		06/12/06	5.00	255.67	ND
MW-10S	260.67	09/05/06	5.62	255.05	ND
		12/04/06	5.04	255.63	ND
		06/12/06	5.42	255.22	ND
MW-10D	260.64				ND
		12/04/06	8.18	252.46	ND
		06/12/06	5.99	254.59	ND
MW-10LF	260.58				ND
		12/04/06	9.02	251.56	ND
		06/12/06	3.69	255.27	ND
MW-11S	258.96	09/05/06			ND
		12/04/06			ND

Table 2 Historical Groundwater Gauging Data

Mission Valley Rock Company Sunol, California

Well	Well Top of Casing Elevation (Feet)				LPH Thickness (feet)
		06/12/06	3.70	255.28	ND
MW-11D	258.98	09/05/06	8.50	250.48	ND
		12/04/06	7.65	251.33	ND
		06/12/06	3.90	255.11	ND
MW-11LF	259.01	09/05/06	7.84	251.17	ND
		12/04/06	7.75	251.26	ND
		06/12/06	5.77	256.92	ND
MW-12S	262.69	09/05/06	10.51	252.18	ND
		12/04/06	10.00	252.69	ND
		06/12/06	5.69	257.01	ND
MW-12D	262.70	09/05/06	10.40	252.30	ND
		12/04/06	9.94	252.76	ND
		06/12/06	5.92	256.98	ND
MW-12LF	262.90	09/05/06	10.69	252.21	ND
		12/04/06	10.25	252.65	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)

ND = Not Detected

TOC = Top of Casing

MSL = Mean Sea Level

LPH = Liquid-Phase Hydrocarbon

Table 3 Groundwater Analytical Results Fourth Quarter 2006

Mission Valley Rock Company Sunol, California

Gunoi, Gamornia									
Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Tert-butyl Alcohol (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)
MW-1	12/5/2006	ND	1200	1.4	ND	1.5	ND	ND	ND
MW-2S	12/5/2006	18000	ND	ND	ND	ND	ND	ND	38
MW-2M	12/5/2006	6100	340	ND	ND	ND	ND	ND	37
MW-2D	12/5/2006	3000	150	ND	ND	ND	ND	ND	37
MW-3	12/5/2006	ND	82	ND	ND	ND	ND	ND	39
MW-4S	12/4/2006	ND	ND	ND	ND	ND	ND	ND	ND
MW-4D	12/4/2006	ND	ND	ND	ND	ND	ND	ND	ND
MW-5S	12/4/2006	ND	ND	ND	ND	ND	ND	ND	5.8
MW-5D	12/5/2006	ND	ND	ND	ND	ND	ND	ND	1.9
MW-6S	12/5/2006	2600	1000	ND	ND	1.2	ND	ND	110
MW-6D	12/6/2006	1300	500	0.98	8.1	16	ND	38.8	59
MW-7S	12/4/2006	ND	ND	ND	ND	ND	ND	ND	ND
MW-7D	12/6/2006	12000	58000	160	1300	3900	ND	5800	ND
MW-8	12/4/2006	ND	ND	ND	ND	ND	ND	ND	ND
MW-9S	12/5/2006	ND	190	ND	ND	0.76	ND	ND	ND
MW-9D	12/6/2006	9100	170000	1800	6700	3400	ND	7400	ND
MW-9LF	12/5/2006	290	ND	ND	ND	ND	ND	ND	31
MW-10S	12/5/2006	ND	ND	ND	ND	ND	ND	ND	ND
MW-10D	12/6/2006	ND	1600	2.5	0.96	28	ND	4	ND
MW-10LF	12/5/2006	190	610	0.50	0.56	ND	ND	1.5	3.7

Table 3 Groundwater Analytical Results Fourth 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)	Tert-butyl Alcohol (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)
MW-11S	12/6/2006	1700	130	0.71	ND	0.64	ND	0.51	11
MW-11D	12/6/2006	190000	2100	15	23	29	ND	101	19
MW-11LF	12/4/2006	ND	ND	ND	ND	ND	ND	ND	240
MW-12S	12/5/2006	130	ND	ND	ND	ND	210	ND	ND
MW-12D	12/4/2006	ND	ND	ND	ND	ND	ND	ND	ND
MW-12LF	12/5/2006	ND	ND	ND	ND	ND	ND	ND	ND

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

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

		TD	TD						
Well	Date	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Tert-butyl Alcohol (ug/L)	Xylenes (ug/L)	MTBE
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	Alcohol (ug/L)		(ug/L)
	06/23/98	12,000	2,500	0.68	ND<0.50	1.2	ND<10	0.57	14
	10/01/98	4,300	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<0.5
	01/05/99	38,000	ND<5,000	ND<50	ND<50	51	ND<10	190	ND<500
	03/29/99	580	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<0.5
	06/10/99	4,500	24,000	38	27	41	ND<10	98	ND<0.5
	09/17/99	24,000	1,400	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	27
	12/27/99	2,300	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<0.5
	03/22/00	620	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<0.5
	06/30/00	1,700	270	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	17
	09/14/00	5,800	130	ND<0.5	ND<0.5	ND<0.5	ND<10	0.94	12
	12/20/00	19,000	1700	ND<50	ND<50	ND<50	ND<10	ND<150	ND<250
MW-2	03/22/01	610000	3300	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	9.0
IVIVV-Z	06/27/01	8800	1800	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	6.7
	09/21/01	530000	7000	ND<50	ND<50	ND<50	ND<10	ND<50	ND<50
	12/27/01	27000	310	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	62
	03/29/02	65000	130	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	30
	06/13/02	130000	460	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	24
	09/27/02	480000	290	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	16
	12/03/02	61000	1800	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	10
	03/31/03	5000	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	14
	06/27/03	8.1	360	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	20
	09/19/03	85	12	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	15
	12/22/03					NS			
	01/17/05					Abandoned			
	01/17/05	1100	730	ND<0.5	ND<0.5	1.0	ND<10	3.5	50
	05/04/05	8200	190	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	44
	08/12/05	6100	120	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	77
MW-2S	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	26
20	03/03/06	5900	160	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	21
	06/13/06	8700	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	22
	09/06/06	11000	190	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	29
	12/05/06	18000	ND<50	ND<0.5	ND<50	ND<0.5	ND<10	ND<0.5	38
	01/17/05	4100	3300	6.5	1.7	89	ND<10	82.2	38
	05/04/05	ND<50	610	ND<0.5	ND<0.5	16	ND<10	10.6	32
	08/12/05	ND<50	460	ND<0.5	ND<0.5	2.5	ND<10	1.2	56
MW-2M	12/12/05	ND<50	410	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	28
	03/03/06	ND<50	290	ND<0.5	ND<0.5	0.5	ND<10	ND<1.0	17
	06/13/06	ND<50	130	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	09/06/06	1900	330	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	22
	12/05/06	6100	340	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	37
	01/17/05	1800	1000	6.5	ND<0.5	80	ND<10	71	62
	05/04/05	ND<50	250	ND<0.5	ND<0.5	4.6	ND<10	1.6	72
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	2.8	ND<10	1.1	51
MW-2D	12/12/05	ND<50	200	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	39
	03/03/06	ND<50	140	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	38
	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	36
	09/06/06	1700	230	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	27
	12/05/06	3000	150	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	37

					noi, Caillon	<u>.</u>			
Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Tert-butyl Alcohol (ug/L)	Xylenes (ug/L)	MTBE (ug/L)
	06/23/98	12,000	300	0.80	ND<0.5	ND<0.5	ND<10	ND<0.5	150
	10/01/98	6400	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<0.5
	01/05/99	5,600	ND<100	1.6	1.4	ND<1.0	ND<10	ND<1.0	110
	03/29/99	150	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<0.5
	06/10/99	620	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<0.5
	09/17/99	1,500	230	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	89
	12/27/99	58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<0.5
	03/22/00	94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<0.5
	06/30/00	240	170	ND<0.5	0.52	ND<0.5	ND<10	ND<0.5	100
ľ	09/14/00	850	170	0.81	ND<0.5	ND<0.5	ND<10	ND<0.5	68
	12/20/00	1600	230	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<3.0	80
	03/22/01	1100	140	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	83
	06/27/01			-	-	NS	-		
	09/21/01	3800	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	45
Ì	12/27/01	3100	340	1.4	1.1	10	ND<10	3.8	45
MW-3	03/29/02	1500	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	50
ľ	06/13/02	ND<1000	160	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	36
ľ	09/27/02	ND<1000	ND<1000	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	43
ľ	12/03/02	ND<1000	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	41
ľ	03/31/03	ND<1000	ND<100	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	92
	06/27/03	1200	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	93
	09/19/03	ND<1000	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	65
	12/22/03	5700	190	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	56
	01/17/05	ND<50	590	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	47
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	190
	08/11/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	110
	12/13/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	75
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	140
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	100
	09/06/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	67
	12/05/06	ND<50	82	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	39
	01/17/05	ND<50	65	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	2.2	ND<10	5.8	ND<1.0
MW-4S	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
11111-43	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	09/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	01/17/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	08/12/05	ND<50	410	ND<0.5	2.2	10	ND<10	25.5	ND<1.0
MW-4D	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
191 9 9 - 4 D	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	8
	09/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0

					noi, Caillon				
Well	Date	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Tert-butyl	Xylenes (ug/L)	MTBE
Well	Date	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	Alcohol (ug/L)	Ayleries (ug/L)	(ug/L)
	01/17/05	ND<50	ND<50	ND<0.5	4.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	08/11/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	5.8
	12/12/05	ND<50	ND<50	3.4	1.3	ND<0.5	ND<10	ND<0.5 ND<1.0	ND<1.0
MW-5S	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	09/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	5.4
	12/4/2006	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	5.8
	01/17/05	ND<50	210	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	05/04/05	ND<50	ND<50 ND<50	ND<0.5	ND<0.5 ND<0.5	ND<0.5	ND<10	ND<0.5	10 6.4
	08/11/05	ND<50		ND<0.5		ND<0.5	ND<10	ND<0.5	
MW-5D	12/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	03/03/06 06/12/06	ND<50 ND<50	ND<50 ND<50	ND<0.5 ND<0.5	ND<0.5 ND<0.5	ND<0.5 ND<0.5	ND<10 ND<10	ND<1.0 ND<1.0	4.7 5.0
	09/05/06	ND<50	ND<50	ND<0.5	0.60	ND<0.5	ND<10	ND<1.0 ND<0.5	5.3
	12/05/06		ND<50		ND<0.5			ND<0.5	1.9
	01/17/05	ND<50 2800	1600	ND<0.5 6.1	ND<0.5	ND<0.5 3.6	ND<10 ND<10	2.3	1.9
	05/04/05	ND<50	750	ND<0.5	ND<0.5	3.0	ND<10	ND<0.5	160
	08/12/05	1300	1100	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	410
	12/12/05	ND<50	1000	ND<0.5	ND<0.5	1.4	ND<10	ND<1.0	190
MW-6S	03/03/06	ND<50	940	ND<0.5	ND<0.5	4.9	ND<10	ND<1.0	60
	06/14/06	1300	650	ND<0.5	1.7	1.9	ND<10	2.0	ND<1.0
	09/06/06	2400	750	ND<0.5	ND<0.5	0.7	ND<10	0.5	200
	12/05/06	2600	1000	ND<0.5	ND<0.5	1.2	ND<10	ND<0.5	110
	01/17/05	2100	1200	10	ND<0.5	1.6	ND<10	2.2	180
	05/04/05	ND<50	360	2	ND<0.5	ND<0.5	ND<10	ND<0.5	360
	08/12/05	ND<50	480	2	ND<0.5	ND<0.5	ND<10	ND<0.5	270
	12/12/05	ND<50	240	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	92
MW-6D	03/03/06	ND<50	310	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	93
	06/14/06	ND<50	130	ND<0.5	3	1.1	ND<10	2.6	69
	09/06/06	ND<50	230	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	74
	12/06/06	1300	500	0.98	8.1	16	ND<10	38.8	59
	01/17/05	ND<50	12000	10	89	590	ND<10	1670	ND<1.0
	05/04/05	520	1600	ND<0.5	ND<0.5	31	ND<10	18.4	ND<1.0
	08/12/05	ND<50	660	ND<0.5	ND<0.5	5.5	ND<10	ND<0.5	ND<1.0
	12/12/05	ND<50	610	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
MW-7S	03/03/06	ND<50	630	1.1	9.0	31.0	ND<10	78	ND<1.0
	06/14/06	ND<50	430	ND<0.5	ND<0.5	6.1	ND<10	15	ND<1.0
	09/07/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	01/17/05	ND<50	23000	350	1000	1800	ND<10	5200	ND<1.0
	05/04/05					NS			
	08/12/05	37	83000	550	2200	4400	ND<10	10600	ND<50
BANA/	12/12/05	150000	1300000	640	3100	21000	ND<10	54800	ND<50
MW-7D	03/03/06	45000	71000	420	2400	4400	ND<10	11300	ND<1.0
	06/14/06	ND<50	160000	310	2400	4500	ND<10	9800	ND<1.0
	09/07/06	22000	71000	360	8600	33000	ND<10	87000	ND<1.0
	12/06/06	12000	58000	160	1300	3900	ND<10	5800	ND<1.0

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Well	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Tert-butyl Alcohol (ug/L)	Xylenes (ug/L)	MTBE (ug/L)
	04/47/05	ND 50	400	ND 05	ND 0.5	ND 05	ND 40	ND 0.5	ND 4.0
	01/17/05	ND<50	120	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	05/04/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
-	08/12/05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
MW-8	12/12/05	830	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	03/03/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	06/12/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	09/07/06	ND<50	ND<50	ND<0.5	3.3	ND<0.5	ND<10	5.5	ND<1.0
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	05/05/06	ND<50	1300	8.6	24	40	ND<10	29.8	ND<1.0
MW-9S	06/14/06	ND<50	330	ND<0.5	ND<0.5	3	ND<10	ND<1.0	ND<1.0
	09/07/06	ND<50	240	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	12/05/06	ND<50	190	ND<0.5	ND<0.5	0.76	ND<10	ND<0.5	ND<1.0
	05/05/06	13	88000	5500	15000	4200	ND<10	15000	ND<1.0
MW-9D	06/14/06	ND<50	76000	3200	13000	2700	ND<10	9200	ND<1.0
10100-30	09/07/06	5400	58000	1800	7400	2400	ND<10	8000	ND<1.0
	12/06/06	9100	170000	1800	6700	3400	ND<10	7400	ND<1.0
	05/05/06	ND<50	5400	12	17	190	ND<10	150	ND<1.0
NAVA OLE	06/14/06	ND<50	1800	13	17	30	ND<10	36	ND<1.0
MW-9LF	09/07/06	ND<50	1100	58	23	31	ND<10	58	ND<1.0
	12/05/06	290	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	31
	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
1	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
MW-10S	09/07/06	ND<50	93	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	12/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	05/05/06	ND<50	5900	24	9	260	ND<10	23	ND<1.0
l t	06/13/06	ND<50	2300	7.6	2.4	66	ND<10	6.6	ND<1.0
MW-10D	09/07/06	ND<50	2400	3.9	2.0	54	ND<10	11.9	ND<1.0
	12/06/06	ND<50	1600	2.5	0.96	28	ND<10	4	ND<1.0
	05/05/06	ND<50	860	ND<0.5	11	ND<0.5	ND<10	4.6	ND<1.0
	06/13/06	ND<50	780	2.0	2.4	1.1	ND<10	4.2	ND<1.0
MW-10LF	09/07/06	ND<50	780	1.7	1.6	1.7	ND<10	7.8	ND<1.0
	12/05/06	190	610	0.5	0.56	ND<0.5	ND<10	1.5	3.7
	05/05/06	ND<50	11000	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	8.4
	06/14/06	ND<50	730	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
MW-11S	09/06/06	3300	1400	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	4.8
 	12/06/06	1700	130	0.71	ND<0.5	0.64	ND<10	0.51	11
	05/05/06	ND<50	13000	20	20	26	ND<10	77	47
 	06/14/06	18000	6500	12	4	11	ND<10	22	26
MW-11D	09/06/06	210000	33000	25	30	28	ND<10	97	31
 	12/06/06	190000	2100	15	23	29	ND<10	101	19
	05/05/06	ND<50	1300	ND<0.5	ND<0.5	ND<0.5	ND<10	3	250
									240
MW-11LF	06/14/06	1100	99 ND <50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	
·	09/06/06	5300	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	160
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	240

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)	Tert-butyl Alcohol (ug/L)	Xylenes (ug/L)	MTBE (ug/L)
	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
MW-12S	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
10100-123	09/07/06	ND<50	81	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	12/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	210	ND<0.5	ND<1.0
	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
MW-12D	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
14144-120	09/06/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	12/04/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	05/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
MW-12LF	06/13/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<1.0	ND<1.0
	09/06/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<1.0
	12/05/06	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	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

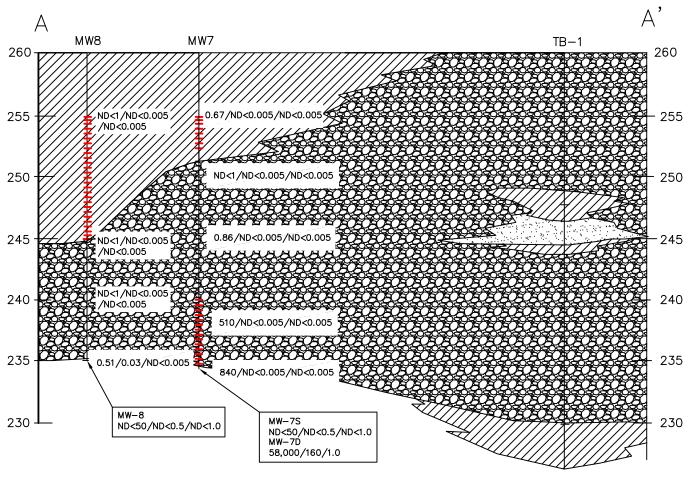
NS = Not Sampled

TPHd = Total Petroleum Hydrocarbons as Diesel

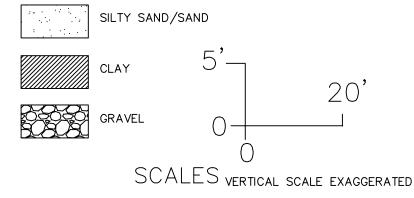
TPHd = Total Petroleum Hydrocarbons as Gasoline

NM: Not Measured

APPENDIX A CROSS SECTIONS







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

Screen Interval in Well

Groundwater Data Results December 2006 (µg/l) TPH-g/Benzene/MTBE ND<50/ND<0.5/ND<1.0



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

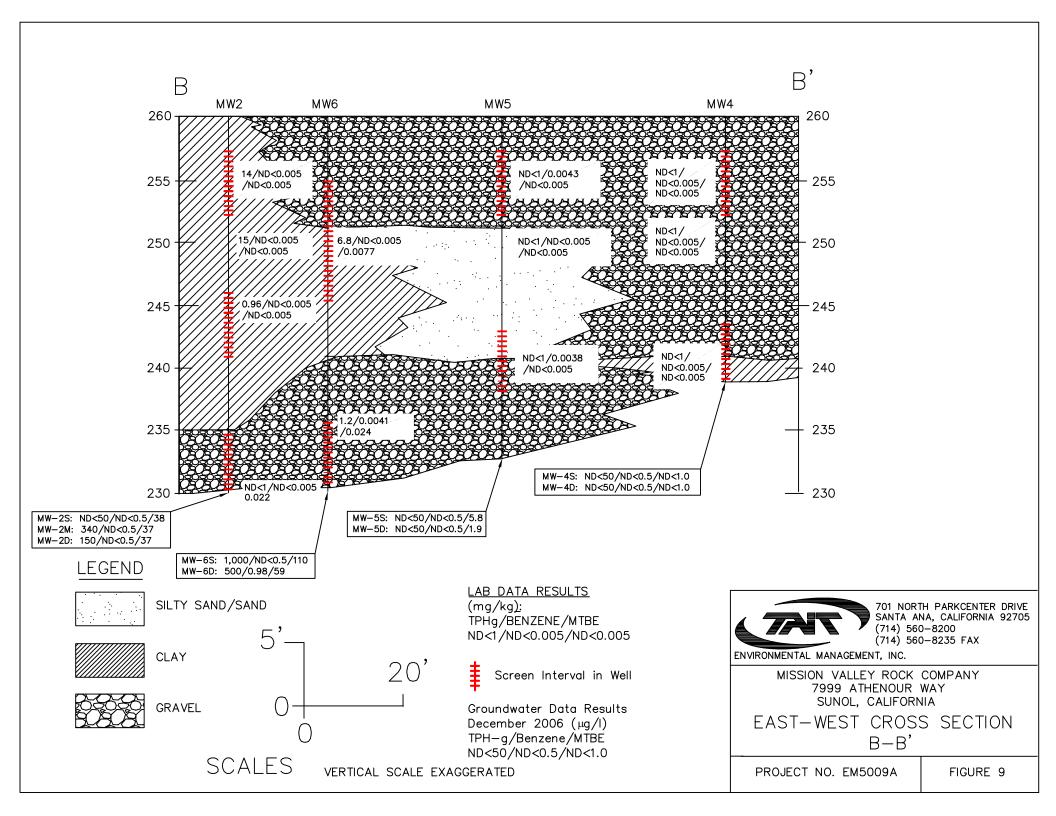
ENVIRONMENTAL MANAGEMENT, INC.

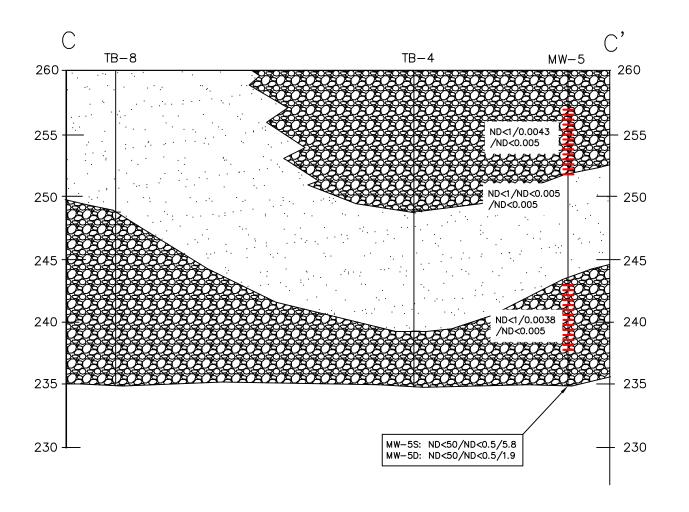
MISSION VALLEY ROCK COMPANY 7999 ATHENOUR WAY SUNOL, CALIFORNIA

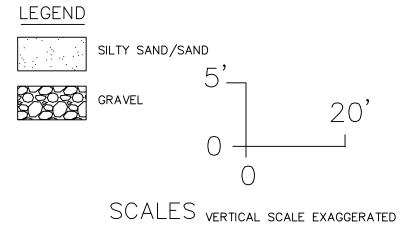
EAST-WEST CROSS SECTION A-A'

PROJECT NO. EM5009A

FIGURE 8







LAB DATA RESULTS (mg/kg):

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

Screen Interval in Well

Groundwater Data Results December 2006 (µg/l) TPH-g/Benzene/MTBE ND<50/ND<0.5/ND<1.0



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

(714) 560-8235 FAX

ENVIRONMENTAL MANAGEMENT, INC.

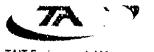
MISSION VALLEY ROCK COMPANY 7999 ATHENOUR WAY SUNOL, CALIFORNIA

NORTH-SOUTH CROSS SECTION C-C'

PROJECT NO. EM5009A

FIGURE 10

APPENDIX B SAMPLING DATA SHEETS



Project N			ion Vo	<u>دالد بر</u>	12-0	دبد			Date	:	12-4	-06				
Project N		EME	2000 C						Prep	ared B	y: M	2 2		~		
Well Ideni			MW-	<u>55</u>					West	ther	COLE	, be	시	Screen:		
Measuren	nent	Point De	scription	12					Pum	p Intak		3.24		· ···		
Depth t LNAPL (ft-bmp	_	Static	th to : Water (ft-bmp)		Total (ft-bm	Depth ip)	Wate Colum Helgi (ft)	nn ht	LNAPL Thick (ft-bmp)	- 1) Casin	15) C	ree (3) asing olumes alions)	Above Screen Volume	Screen Volume
NA	·	3- ما	1	8	.24		1.93	,	_	•	0.3	5	٥.	93	<u> </u>	
Well Di	ame	er (in)		G	allons	/Foot		Fle	old Equipment:	14	28.60		2-54			<u> </u>
	,		0.75			4	6	Pu	rge Method:	ــــــــــــــــــــــــــــــــــــــ	stag			age		
0.75 2)	4 6	0.02	0.	16/	0.65	1.47	We	ell Conditions		Goor					· · · · · · · · · · · · · · · · · · ·
Time	Casing) / Screen	Volume Purged (gallons)		v Rate pm)	Wate Leve (ft-bm	, p	эН	Temperature (°C)	Turbidi (NTU	ty Cond	luctivity	Dissolve Oxygen (mg/L)	1 1100	1 (No.	ervations
1240	N	A	0	-		NA	٠ (۵ -	94	الو.له	928	0.0	101	10.49	- 48	Moe	ky .
1250			0.5	0.0	>5		. و)	θ φ	16.7	775	0.7	L80	10.14	-72	. Mus	ery
1252		<u> </u>	1.0			_ •	<u>\</u>	<u>eu</u>	THOU	>84	O VOI	Peox	0.60	Allons		
						_		-	-							
												7.				
Purge Start Time	ł F	Purge End Time		ge Flow pm)		al Gallons Purged		Casing mes ged	80% Recovery Water Level Depth	ats	ler Level Sampling o (ft-binp)	Coll	mple ection me	Sa	mple identifica	lion
1240	!	252	0.	05	С	ما، (1.9	4	6.70	ما	.32	165	51	MW	1-55	
Notes:																



Project Project	Name No.:	HIGH.	450	ooq c	ney_	P-00	. K		wi tus	Date Pren	: \f	=	صاہ - 2 کا					
Well Ide	ntific			w-	45					——————————————————————————————————————	thers c	-		*****	9.	cr ee n:		
Measure	ment	Point	Des	cription	- Τ	ان	Now	T 1-4			p intak	-	ින′	ـــــ د	······································			
Depth LNAi (ft-bn)L	Sta		to Vater -bmp)	Well 1	ijotal 1-bmp	•	Wate Colum Heigh (ft)	m	LNAPL Thick (ft-bmp)			ne (1)	Casin (gallor	g Car	ee (3) sing imes ions)	Above Screen Volume	Screen Volume
NA		Ц.	05	5	જ	35	-	4.30		NA		C	۲۰۰۷	7	2.0	ماد		
Well	Name	eter (In	.1		Ga	llons/	Foot	·	Flo	eld Equipment	<u> </u>	.0.1	ha	_	2-stag	<u>_</u>	······································	<u></u>
******	>10111C	, rei (iii	· ,	0.75	2		4	6	Pu	rge Method:					2-3129		-	
0.75	2)	4	6	0.02	0.10	3)	0.65	1.47	W	eil Condition:		700	_	-	· .			
Time	Casi	ng / Soree	n	Volume Purged gallons)	Flow (gp		Wate Leve (ft-bm	el p	Н	Temperature (°C)	Turbidi (NTU	ty	Condu (ctivity	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations
1310		٨		6	_		NA	8.عا	38	17.6	530		0. بود	<u>8</u>	12.46	-66	Clou	du
1312		····		6.5	0.7	5	1	٠. ي)	44	۲. ۲۱	232		٥٠. ت	२०	10.81	-112		<u>~</u> ₽
1315	-			1.0	0.	7	<u> </u>	۰ ما	99	17.8	203		0.7	୧	11.09	- 119		
13 17			_	1.5	_ 0 .7	۲5_		7.0	04	17.g	191		0.7	10	11.22	- 118		
1320		<i>y</i>	-	2.0	0.1	7	لد	7.0	9	17.8	130		0.7	13	11.43	-120		
			-												·			
Purge Sta Time	art	Purge I			je Flow om)		Gallons irged	Total C Volur Purg	mes	9 80% Recovery Water Leve Depth	at	iter Le Sampi e (ft-b	ling	Colle	mple ection me	Sar	mple Identifica	tion
1310		1320		0.3	25	2	5	3.6	2	4.91	<u></u>	1.10	,	132	5	MW-	45	***************************************
Notes:																-		······································



roject N	ame:	Missi	on Va	May F		يد			Date	12-	4-06					
Project N	0.:	EMS	2009 C	<u> </u>					Prop	ared By:	MZ	S				
Nell Iden			MW-	<u>4d</u>					Weat		oup,	DRY	S	creen:		
deasurer	nent l	Point De	scription	: TOC	- 7	ORT	H		Pum	p intake:	13'					
Depth (LNAP) (ft-bm)	L	Static	th to Wat er ft-bmp)	Well To	otal D -bmp)	•	Water Colum Helgh (ft)	n I	LNAPL Thick (ft-bmp)		One (1) /olume (-	g Cas	ee (3) sing imes ions)	Above Screen Volume	Screen Volume
MA		7.9	5	23.	38		15.43				2.47		7.4	1		
Well D	lamet	er (in)		Gali	ons/F	oot		Field	l Equipment	Hoe	uba	, -	2 stag	سو		
		(111)	0.75	2		4	6	Purg	je Method:		<u> </u>			·		
0.75 2) 4	4 6	0.02	0.16) (0.65	1.47	Well	Conditions	ۍ.) O O	3			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Time	Casing	/ Screen	Volume Purged (gallons)	Flow F		Wate Leve (ft-bm	ol p	I	Temperature (°C)	Turbidity (NTU)	Condu		Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations
3 39	NA	١.	0	-		NA	7.0	8	20.7	958	0.5	50	9.31	- 63	راه <i>ب</i>	dy
1341			<u> </u>	1.0	<u>.</u>	1_1_	۱. ۲	15	20.6	287	0.4	151	10.18	-79	CIE	~ 4 _
1344			4	0.4	7		7.	17	20.4	155	0 .4	134	10.39	-82		
1347			<u> 6</u>	ب. ن	7		ר. ד	19	20.3	139	0.9	91	10.43	-82		
350	\	/	B	0.4	7	1	7.	17	20.3	125	0.9	99	10.45	-84		
											-			<u> </u>		
Purge Star Time	rt F	Purge End Time		ge Flow pm)		Gallons irged	Total C Volui Purç	mes	80% Renovery Water Leve Depth	. atSa	r Level mpling (ft-bmp)	Colle	mple ection me	Sa	mple Identifica	tion
1339		1350	0.	73.	8.0	0	3.2	1	11.03	8.4	5	135	55	MW-	на	
Notes:							<u> </u>							···		H141-1-10-1-10-10-10-10-10-10-10-10-10-10-1



Project No		5009 C						·-· ~	ared	By:	4-06 M	2 2				<u> </u>
Measurem	fication: †	Scription			NORTH	1	·		then		ord,	— · · <i>j</i> ·	S	cr ee n:		
Depth to LNAPL (ft-bmp)	Dep Static	th to Water ft-bmp)	Well	Fotal E	Depth	Water Columi Height (ft)	n	LNAPL Thich (ft-bmp)		,	One (1 /olume) Casin	g Car 15) Volu	e (3) sing imes	Above Screen Volume	Screen Volume
NA	ها. 5	٥	8	.48		2.88		ACA			0.4	ما	1.3			_
Well Dia	meter (in)		Gа	ilons/F	oot		Fiel	d Equipment	· \	H~	دنامه		<u>L</u>		_	
		0.75	2		4	6	Pur	ge Method:					2 stage	Por	wb	
0.75 (7 2)	4 6	0.02	0.1	6	0.65	1.47	Wei	Condition:		<i>2</i>	stage	- bu	wb .			
Time	Casing / Screen	Volume Purged (gallons)	Flow (gp	Rate m)	Water Level (ft-bmp)	pl-	1	Temperature (°C)	Turb (NT	ldity	T	uctivity	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations
1420	NA	0			NA	4. و	0	17.5	OVE	e_	0.24	6	12.52	-(_e 0	Mur	
1423		6.5	0.1	7		6.7	4	17.2	006	e	0.24	-1	11.16	-78	1	<i>b</i>
1426		1.0	0.1	<u> </u>		6.7	13	17.1			0.2	4 ما	10.62	- 76		
1430	4	1.5	0.1	3	<u> </u>	٦. ما	5	17-0	-	· 	0.2	43	10.40	-77	1	
Purge Start Time	Purge End Time		je Flow om)		Gallons rged	Total Ca Volum Purge	es	80% Recovery Water Leve Depth	a	it Sar	Level npling ft-bmp)	Colle	mple ection me	Sar	nple Identificat	ion
14 20	1430	0.1	5	1.5	5	3.20	P	6.18	-	ما. ر	5	144	0	MW-		
lotes:															- -	



Project Na	me:	Missi	on Ua	Mey	R-00	يلا			Date	1	12.	· u - o	ص				
Project No).I	EMS	2009 C						Prep	ared E	ly:	MZ	`\$				
Well Ident					·				Wea	then	ے	avo.	, DR	٠٩ .	creen:		
Measurem	ent P	oint De	scription	: 70	<u>> ۷</u>	YORTH			Pum	p Inta	ke:	131					
Depth to LNAPL (ft-bmp			th to Water ft-bmp)	Well 1	otal t-bmp	- 1	Water Colum Heigh (ft)	n	LNAPL Thici (ft-bmp)		1		Casin (gallon	g Ca s) Voi	ee (3) sing umes lions)	Above Screen Volume	Screen Volume
NA		5.8	50	15	. 3 4	t	9.5					1.5.	3	4.	58		
Well Dia	amete	r (in)		Ga	ions/	Foot		Fiel	d Equipment	· +	401	- don	, :	2 sta	ac Du	mp	<u> </u>
		. (,	0.75	$\sqrt{2}$		4	6	Pur	ge Method:						←		
0.75 2) 4	6	0.02	0.10		0.65	1.47	Wel	l Conditions			000		ump			
Time	Casing /	Screen	Volume Purged (gallons)	Flow (gp		Water Level (ft-bmp	. pl	Н	Temperature (°C)	Turbic (NTU		Condu (_ \$/ 1		Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations
1452	NA		Ó	. –		NA	7.5	مان	17.7	016	a	0.2	46	10.64	-16	NUR	×y.
453			<u> </u>	1.1	0		7.1	LO	17.8	447	!	0.2	44	9.44	-14	Clo	مطع
1454			2	1.0	b		7.	12	17.9	224	-	0-2	.42	9.43	- 3	داھ	AR
1456			3	6.	<u>5</u>		7.0	9	17.9	154	,	0.2	45	9.66	-4	1	
1458			4	0.	5		7.0)φ	17.9	139		0.2	.44	9.24	- (p		
1500	1		_ 5	6	.5	1	٠. ر	٥3	17.9	118		0.2	.45	9.31	-9	7	
Purge Start Time	_	irge End Time	(g	ge Flow pm)	Р	I Gallons urged	Total C Volur Purç	nes jed	Water Level	at Tir	Sam ne (ft	Level npling i-bmp)	Colle	mple ection me	Sa	ımple Identifica	ition
1452	1.	500	0.	43	2	5.0	3.2	7	17.71	- 5	5.8	8	1509	5	MW	1-B	
Notes:					<u> </u>								***************************************	<u>l</u> -	• •		



Project No Project No	L	115510 M 50	on Ua	Mey .	K-00	<u> </u>	··		Date	ared B	12-4	-06 12.2				
Well Ident	tificatio	n: r	~ W	11 11	=			····	·-···	ther:		'DE		creen;		
Measuren	nent Pol	nt Des	cription			Noe	76 +			p Intak)—— -			
Depth t LNAPL (ft-bmp	. \$	Depth Static Y evel (ft	Vater	Well 1	rotai i t-bmp	-	Wate Colum Heigh (ft)	nn -	LNAPL Thick (ft-bmp)		One ((1) Casir e (galio	ng Ca ns) Vok	sing umes lons)	Above Screen Volume	Screen Volume
NA		7.75		39	٠4١		31.61	مِ			5.0	7	15.			
Well Di	ameter	/in\		Ga	lons/l	Foot	*	Flo	ld Equipment		<u></u>					
		····	0.75	/2		4	6	Pur	ge Method:) sto	<u>, , , , , , , , , , , , , , , , , , , </u>	2 540	age_		· · · · · · · · · · · · · · · · · · ·
0.75 (2) 4	6	0.02	0.16	3)	0.65	1.47	Wei	li Condition:		9009	, 30	· · · · · · · · · · · · · · · · · · ·			
Time	Casing / Screen Volume Purged (gailons) Flow Rate (gpm)			Wate Leve (ft-bm	el p	н	Temperature (°C)	Turbidi (NTU	,	ductivity	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations		
515	44		0			NA	7.3	59	18.8	187	0.	9ما ا	8.79	-115	LIE	16
519	_ _		5	1.29	5	1_1_	7.2	-8	18.2	OVER	- 0.	143	9.43	-122	MU	عدبا
526			10	0.7	11		7.2	_ר_	18.3	540	0.	154	9.55	-125	No	udu
531	4		15	1.0		L	7-7	م) ا	ાજ- ા	360	0.	153	9.33	-124	<u> </u>	oudy
												····		ļ		
																
Purge Start Time		je End ime	Averag (gr			Gallons irged	Total C Volur Purg	nes	80% Recovery Water Leve Depth	, ats	ier Level Sempling e (ft-bmp	Coll	mple ection ime	San	ple Identifica	tion
1515	15	31	0.9	4	15	5.5	3.0	 اها	-14.08	8	.78	15	35	MW - 1	E	



Project Project	Name: No :	Missi	on Va	Mey !	Roc	.K	·		Date		2-4-					
Nell Ide			5009 C	1 -						ared B		22				
			ww -			Joeth		······································	Wea			, Dey	30	reen:	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		1	- Joseph Con			JOECH			Pum	p intal	ke: //	<u> </u>				
Depth LNA! (ft-bn	PL	Static	th to Water ft-bmp)	Well 1	rotal E t-bmp	- !	Water Colum Heigh (ft)	n L	NAPL Thick (ft-bmp)			1) Casin e (gallor	g Car (S) Volu	e (3) sing imes ons)	Above Screen Volume	Screen Volume
NA	 	10.0	0	11	.04		1.04		ACA		0.1	9	0.9	50		
Well I	Diame	ter (In)		Ga	lons/F	oot		Field	Equipment	١ ١	Horch		2 5400	0 -		<u> </u>
			0.75	/ 2		4	6	Purg	e Method:		2 5	taal	7	5		
0.75	2)	4 6	0.02	0.16	3/	0.65	1.47	Well	Conditions		(500	9	2 stag			
Time	Casing	g / Screen	Volume Purged (gallons)	Flow (gp		Water Levei (ft-bmp)	pl	-	Temperature (°C)	Turble (NTC	lity Con	ductivity	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations
<u>555</u>		JA	٥			AN	7.2	O	18.3	OVE	e 1.	D	9.68	42	Mud	.du
700	<u> A</u>	bbook	0.2	0.0	2	<u> </u>	7.1	4	18.1	OVE	e 1.	3	9.73	72	14.	ek-
Q10		NEU	<u> </u>	NT	Pr	7 -	Pi	m t	SUCI	<u> </u>	<u> </u>	יאטי	5 0	.25	gallon	
	· ·															
Purge Sta Time	art 1	Purge End Time	1 *	ge Flow om)		Gallons rged	Total C Volur Purg	nes	80% Recovery Water Levo Depth	at	ater Level Sampling ne (ft-bmp)	Colle	mple ection me	Sam	nple Identifica	ition
1555		1610	9.0	٥2	0-	25	1.5		10.21		10.0		20	MW.	- 125	
lotes:						<u> </u>			* DATE	: 12	-5-010		l			



Project	HO.;	MISSI EME	D09 C			<u>~</u>			Date Preu	: \2 ared B	-4-01	2 S				
Well ide	ntifica	ition: N	~W~	126							COLD		.1 9.	creen:		
Measure	ment	Point De	scription		_	7087H				p intak	e: \7		<u> </u>	C1 88(1)		
Depth LNAF (ft-bn	PL	Dept Static Level (1	Water	Well 1	otal I t-bmp	•	Wate Colum Heigh (ft)	n I	LNAPL Thick (ft-bmp)		One (l) Casin (gallo:	eg Cas 15) Volu	e (3) sing emes lons)	Above Screen Volume	Screer Volume
24		9.9	4	19.	70		9.70	٥			1.5	<u> </u>	ч.	48		
Well [Diame	ter (in)		Ga	lons/f	oot		Field	l Equipment	1-1	lorib	<u> </u>	2 5+	208.		<u></u>
	•		0.75	2		4	6	Purg	e Method:		- 5+c		2 sta	3		
0.75 (2	2)	4 6	0.02	0,16	5)	0.65	1.47	Well	Conditions	(.	,00d.	3				
Time	Casin	g / Screen	Volume Purged (gallons)	Flow (gp		Water Level (ft-bmp)	pl	Н	Temperature (°C)	Turbidi (NTU)		ductivity	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations
616	1	Ac	0			NA	7.0	28	17.8	٥٠٠٤	0.	187	8.83	30	NUD	04
619			_2	0.0			7.0	>5	18.2	OVE	R 0.	179	8.63	41		بطع
623			4	6.6			7.0		17.6	OVE	ι ο.	180	9.29	53		
,627		<u> </u>	و		5	1	7.0	2	8.51	685	0.	183	9.49	لوا	7	
Purge Start Pu	Purge End Time	Averag (gr			Gallons rged	Total C Volum Purg	nes	80% Recovery Water Leve Depth	at 8	ter Level Sampling a (ft-binp)	Colle	mple ection me	San	nple Identifical	lion	
الوالو		1627	0.9	55	Le	٥.	3.8	5	11.89	10	.13	163	50	MW	-12d	
Notes:				<u></u>												



Project N	ame	MISSI	on Va	alley	80	دلا			Date	: 12	-5-0	ما				
Project N	0.:	EMS	5009	<u> </u>					Prep	ared B	k: MZ	5				
Nell Iden	~~~~~~~		-WN		F				Wen	heri	LOLD,	024	5	creen:		
Measure	nent	Point De	scription	T un	<u>٥८</u>	Noet	th		Pum	p Intak	e: 32'	/				
Depth LNAP (ft-bm	L	Static	th to Water ft-bmp)	ſ	Total ft-bm	Depth p)	Wat Colu Helt (fi	mn glit	LNAPL Thick (ff-bmp)		One (1) Volume (g Car *) Volu	e (3) sing imes ions)	Above Screen Volume	Screen Volume
NA		10-2	.5	39	.50	>	29.7	15			4.69	3	14.0)4		
Well D	Well Diameter (In) Gallons 0.75 2							Fi	eld Equipment	<u> </u>	Horiba		2 54	age	-	<u> </u>
			0.75	$\int 2$	71	4	6	Pı	urge Method:		7 27	,				
0.75 2		4 6	0.02	0.1	6/	0.65	1.47	W	ell Condition:	-	Good		·.			
Time	Casing / Screen Volume Purged (gallons) Flow Rate (gpm) Water Level (ft-bmp)					el le	рН	Ternperature (°C)	Turbidi (NTU			Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations	
937	(gallons) (ft-bmp) NA 0 - NA				7	. 38	17.0	235	عا اب	2	9.68	143	دار	AR		
944			_ 5	٥	٦١.	_ _ _	7	١١.	16.8	302	. 0.1	اما	8.38	154	حاه	مهرود
151	!		10	0.	<u>83</u>		7	80.	16.4	715	0.1	58	8.37	128	1	
757		<u> </u>	15	0.	83		_ 7	040.	l(u · 3	640	0.1	62	8.54	116		√
Purge Star Time	rt	Purge End Time	I	age Flow gpm)		al Gallons Purged	Vo	l Casi lumes urged	Water Leve	at	ater Level Sampling e (ft-bmp)	Colle	mple ection rne	Sar	mple Identifica	tion
937		957	0	۶۲.	<u> </u>	5.0	3.	21	16.10	10	.٩ <i>(</i> و	95	9	MW-	12LF	· · · · · · · · · · · · · · · · · · ·
Notes:				·					<u></u>							



Project Na Project No Well Ident	<u></u>	5009 C	<u> </u>	. O C.V.				red By:	-5-0 M3	S				
	ent Point D	Pacription	5 d 1 TO	C . No.	e+h		Weat	her: C Intake:	, au			creen:		
Depth to LNAPL (ft-bmp) Dej Static	oth to Water (ft-bmp)	Well To	tal Depth bmp)	Water Columi Height (ft)	1	PL Thicki (ft-l·mp)	1025		Casing	Ca: Volu	re (3) sing mes lons)	Above Screen Volume	Screen Volume
NA	6.4	49	22.1	5ء	15.94	,			2.5	5	7.0	ولو		
Well Dis	uneter (In)		Galle	ns/Foot		Field Ed	ulpment:	Hos	erba	٥	L - 340	<u>-</u>		 -
		0.75	2	4	6	Purge N	lethod:		Sta			.3~	· · · · · · · · · · · · · · · · · · ·	
0.75 2	4 6	0,02	0.16	0.65	1,47	Well Co	ndixion:		7000		. ,			
Time	Casing / Screen	Volume Purged (gallons)	Flow R (gpm		el p⊢	Ten	nperature (°C)	Turbidity (NTU)		ıctivity	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations
033	44	0		NA	6.8	7 18	3.8	277	0.3	576	8.86	-92	د١٤	AR
1035			1.0		8. ما		.3	241	0.4	89	৪.58	- 98		
1037		<u>ب</u>	1.0		<u>6.91</u>			246	0.4		8.36	- 104		
1041		_ \$	1.0		<u>6.8</u>		1.7	242	0.5		8.52	- (07		
10 (1		<u> </u>	1.0		<u> </u>	م ازد	1.7	257	0.5	20	8.58	-106	ىل ل	
	Purge End Time	l l	ge Flow pm)	Total Gallons Purged	Total Ca Volum Purge	es ,	80% Recovery Vater Level Depth	at Sa	r Level impling (ft-bmp)	Sam Collec Tirr	tion	Sai	mple Identifica	tion
1033	1041	l î	.0	8.0			<u> </u>	8.0	2	104	7	MW-	54	
Notes:								<u> </u>						



Project No. Well Identif Measureme Depth to LNAPL		009 C					Pren	ared By						 ,,
Veasureme Depth to		<u>. ww</u>	- -							<u>z </u>				
Depth to	mit i Onn De								coup,			creen:		
•		scribilion	Toc	Noeth			Pum	p intake	<u>" 13</u>	/	· · · · · · · · · · · · · · · · · · ·			
(ft-bmp)	Static	th to Water ft-bmp)	Well Total (ft-bm	- 1	Water Column Height (ft)	۱ <u>۱</u>	NAPL Thick (ft-bmp)	1	One (1) Volume	•	g Cas	ee (3) sing imes lons)	Above Screen Volume	Screen Volume
NA	7.3	, 0	14.70		7.40				1.18	<u></u>	3.5	55		
Well Dia	neter (in)		Gallons	/Foot		Field	Equipment	F.1	brib	Α.	2 54.			
		0.75	/2	4	6	Purge	e Method:					ੱ	···	
0.75 2	4 6	0.02	0.16	0.65	1.47	Well	Conditions		sood		· · · · · · · · · · · · · · · · · · ·	·····		
Time c	asing / Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH		Temperature (°C)	Turbidity (NTU)	y Cond	uctivity	Dissolved Oxygen (mg/L)	ORP (mV)	Obse	ervations
101	MA	0	-3	AG	7.0	2	17.5	928	0.38	جا فح	10.57	-113	MUR	<u>k</u> ų
1104		- 1	0.33		7.0	0	18.1	OVER	0.3	816	9.57	-121	1	
1107			0.33		اه ما	0	19.4	OVEL	0.	311	6.95	-123		
.109		_ პ	0.50		7.0	0	19.4	0061	U 0.3	07	6.92	-115		
.111	<u> </u>	4	0.50		7.0	,(19.4	OVER	0.3	,09	7.01	- 118	1	
·				-	_				_					
Purge Start Time	Purge End Time	, -		di Gallons Purged	Total Ca Volum Purge	es	80% Recovery Water Leve Depth	atS	er Level ampling (ft-bmp)	Colle	nple ection me	Sar	nple Identificat	ion
1101	Ш	0.	40	4.0	3,30	 ገ	8.78	8.	20	111	7	MW-	3	
lotes:		<u> </u>	<u> </u>	<u></u>			1			L		,	-	



Project No	me: Miss	on Va	10ey 1	<u>γ-</u> ο ς	<u></u>			Date:	· · · · · · · · · · · · · · · · · · ·	L-5-0	T				
Vell Identi	<u> </u>	5009 C			·	-			red By:		···				
	ent Point De	MW-			N\			Went		ovo	rony	Sc	reen:		
Depth to LNAPL (ft-bmp)	Dep Static	th to Water ft-bmp)	Well T	•		Water Column Height (ft)	LN	APL Thicks (ft-bmp)	ì	. <u>9'</u> One (1) ∕olume		~ 1	ing mes	Above Screen Volume	Screen Volume
AN	5.01	4	9	.58		1.54				0.7	3	2.1	ક		
Well Dia	meter (in)		Gal	lons/i	Foot	F	ieid E	quipment:	Ho	20/2	a	- stage		· · · · · · · · · · · · · · · · · · ·	
		0.75	2		4	6 P	urge	Method:	2	sta	~) ~	3			· · · · · · · · · · · · · · · · · · ·
0.75 (2)	4 6	0.02	0.16	$\int \!\! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $	0.65	1.47 V	Vell C	ondistlon:		pood	0	,			
Time	Casing / Screen Volume Purged (gpm) Water Level (ff-bmp)				рН	Te	mperature (°C)	Turbidity (NTU)	Condi	uctivity	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations	
1139	(A-1014) (A-1014) (A-1014) (A-1014)		NA	7.05	10	u . t	OVER	0.5	92	8.74	38	MUD	03		
141	-	<u> </u>	0.9			7.14		۰.9	469	0.5	99	7.70	7.8	داه	dy
144		<u> </u>	6.5	3		7.08	_	له، با	362	0.5	597	10.70	-15		-
149	<u> </u>	_ 3	0.7	-0	1	7.0%	\	4.3	311	0.4	216	10.83	-15		/
					-										
Purge Start Time	Purge End Time		ge Flow pm)		Gallons arged	Total Cas Volume Purges	s	80% Recovery Water Level Depth	at Sa	er Level ampling (ft-bmp)	Colle	nple ection me	Sa	mple Identifica	tion
1139	1149	0	30	3	.0	4.11		5.94	5.	15	115	-2			
Notes:										· · · · · · · · · · · · · · · · · · ·					



Project N Project N	lo:	EM	5009 0	·	2-0 c	٧_			Date Prep	ared	Ву:	5-00 MJ	S				
Well Iden		·							Weat			1, av		Sc	reen:		
Depth LNAP (ft-bm	to L	Der Static	oth to Water (ft-bmp)	Well T		- 1	Water Colum Helgh (ft)	n	Pum LNAPL Thick (ft-bmp)	ness		22' One (1) Olume (Casing	- 1	ing mes	Above Screen Volume	8creen Volume
NA		ري. ۵	14	29	.54		22.41	0				3.L	2	10.4	84		_
Well D	lame	ter (in)			ions/f	oot		Fiel	d Equipment:		He	erib.	٠.	2 s	taa	<u> </u>	
	iamo		0.75	2		4	6	Pur	ge Method:		٦.	ين لمري	, مراد	25	0		
0.75 2		4 6	0.02	0.16		0,65	1.47	Wei	l Condidon:		(booe	<u> </u>	•			
Time	Casin	g / Screen	Volume Purged (gallons)	Flow (gpi		Wate Leve (ft-bm	st pl	- 	Temperalure (°C)	Turb (NT		Condu		Dissolved Oxygen (mg/L)	ORP (mV)		servations
1224	N	A	0	-		AG	7.0) (18.81	40	7	0.2	57	8.57	-113	ا داه	oudy
1226			3	1.5			7.0) [19.1	27	2	0.2	53	8.11	- 116		EAR
1229			9	1.0) 		6.9	18	19.1	25	م)	0.2	57	8.51	-127	3 \	L
1232			9	1.0	>		٥. ص	1!	19.2	28	0	0.2	54	ક.રજ	- 130)	
1236		y	12	6.	15	1	له ۶۰	59	19.2	25	8	0.5	49	7.97	-130	<u>, </u>	<u></u>
						-				- 	·· ······						
Purge Sta Time	art	Purge En Time		age Flow gpm)		Gallons urged	Total C Volui Purg	mes	80% Recovery Water Leve Depth	.	at Sar	Level npling it-bmp)	Colle	mple ection me	S	ample Identific	ation
1224		1236	1	0	12	.0	3.7	31	11.46		7.1	8	123	39	MW	1-2d	
Notes:																	



Project	Name:	MISS	ion Va	Mey	<u> 20</u>	دلا			Date	H L	2-5-	· 0 G			· · · · · · · · · · · · · · · · · · ·	
Project :	No.:	EME	2009 C	<u>. </u>					Prep	ared B		<u>7 </u>				
Well Ide			<u>- wr</u>						Wea	therr	COLD	, De	u 50	creen:		
Measure	ment	Point De	scription	TO	CY	Noeth			Pum	p Intak				······································	·	
Depth LNAI (ft-bn	PL	Static	th to Water (ft-bmp)		Fotal It-bm	Depth p)	Wate Colum Heigh (ft)	nen ht	LNAPL Thici (ft-bmp		One (1 Volume) Casin (gallor	g Car Is) Volu	e (3) sing mes ons)	Above Screen Volume	Screer Volume
NA		(q.8	9	12	. 20	۱	5.40		_		8.0	9	2.5	9	-	_
Well I	Diame	ter (in)		Ga	llons	/Foot		Fic	id Equipment	: \	-0.		<u> </u>			
			0.75	2		4	6	Pu	rge Method:		<u> </u>		2 wa	82 _		
0.75	2)	4 6	0.02	0.10		0.65	1,47	W	Il Condition:		mood	5		<u>-</u>		· · · · · · · · · · · · · · · · · · ·
Time	(galions)		Flow (gp		Water Level (ft-bmp	, p	Н	Temperature (°C)	Turbid (NTU		uctivity M)	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	servations	
1257			_		44	6.9	37	18.4	219	0.	250	8.68	-122	CIE	AR	
300	1		_ \	0.3	3		٠.	82	19.2	250	0.3	254	8.53	-125	1	
303			2	0.	33		ي و	Bφ	19.6	234	0.7	52	8.08	- 124		
307		<u> </u>	3	0.	<u> </u>	1	٠, ي	85	19.4	240	0.	251	8.34	- 124		
	-				·	-										
		Purge End Time	1	ge Flow pm)		al Gallons Purged	Total C Volu Pur	mes	9 80% Recovery Water Leve Depth	, at	ater Level Sampling e (ft-bmp)	Colle	mple ection me	Sar	nple Identifica	ation
1257	!	1307	0.3	3	3	٥.	3.4	9	7.97	7	81	130	29	MM	- 2 M	
Notes:								•				1	•	, -,	۱۳۱ -	



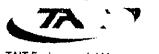


roject No.	-1 1	EME	on Vo 5009 C		20	دلا			Date Prep	n (eared B	2・5 y: ト	~Z					
Mell Identi Measureme			<u> </u>							then	دم		DR-	<u>)</u> \$	creen:		
NORDEL GILL	ont Pc	HRE DE	scription	<u> </u>	00	NORTH			Pum	p Intal	(e: \	11					
Depth to LNAPL (ft-bmp)		Static	th to Water (ft-bmp)		otal t-bm	Depth p)	Wate Colum Heigh (ft)	nn ht	LNAPL Thici (ft-bmp		One Volue	• •	: :asin; ;alion	g Car s) Volu	e (3) sing imes lons)	Above Screen Volume	Screen Volume
MA		5-	21	12	. 20	o	6.90)	_		١,	12	•	3.	36		
Well Dia	meter	r (in)		Gal	lons	/Foot		Fid	eid Equipment	. <i>U</i>	ما . ۔ ۔ ام			2 a i			
			0.75	2	$\sqrt{}$	4	6	Pu	ırge Methodi) 4	ر ۵۵	30.	2 = + c. q	<u> </u>		
0.75 (2)	4	6	0.02	0.16		0.65	1.47	W	ell Condition:		ه صح	d	معج	·		·····	
Time o	Casing / S	Volume Purged (gallons) Volume (gpm) Water Level (ft-bmp)		i p	Н	Temperature (°C)	Turbid (NTU		onduc		Dissoived Oxygen (mg/L)	ORP (mV)	Obs	ervations			
321	NA		٥			AH	ر. ال	64	14.9	OVER		1.51	. [9.45	-52	MUI	LKY
324			t .	0.3	3). و)	92	17.9	046	2 0	-5	ıı	9.89	-55	1	
327			_ 2	0.3	3		<i>ل</i> و . و	16	182	OVE	2 (,50	8	9.12	-62		
330			3	0.	33		ب بها	98	17.9	ONCO	i	.50	8	10.07	-45		·····
334	4		4	0.7	LS	<u> </u>	<u>(, .</u>	98	18.1	0161	l o	.50	જ	10.55	-69		
								<u>-</u>									
Purge Start							Total (80%			. 1					
Time		rge End Time	1	ge Flow pm)	Tota F	i Gallons Purged	Volu	mes	Recovery Water Leve Depth	at	ater Leve Samplin ie (ft-bm	g	Colle	nple ection me	Sai	mple Identifica	tion
32 Notes:	13	34	0	·31	<u>.</u>	1.0	პ.5	57	(ها.م)	5	51	Ţ	133	7	MW.	-95	





Project I Project I	Vo.:	MISS	5009 (alley.	1200	يلا			Date			-5-6					
Weli Idei			MW -						· · · · · · · · · · · · · · · · · · ·	ared By	·	MZ					
			scriptio		TOC	Noes	H		—-————————————————————————————————————	p Intak		131	Dey		creen:		
Depth LNAP (ft-bu	L	Static	th to Water (ft-bmp)	Well '		Depth	Water Colum Heigh (ft)	n	LNAPL Thick (ft-bmp)	iness	Oı	ne (1) (iume (g Car s) Volu	e (3) sing mes	Above Screen Volume	Screen Volume
NA		6.3	0	15	.00	>	8.70	,	,			1.30)	4.1			
100.00				Ga	llons/	Foot		Fiel	d Equipment	-							
Meti F	Ji am ei	ter (In)	0.75	/2	\mathcal{A}	4	6		ge Methodi					2 sta	8 -		
0.75	Volume		6	0.65	1.47		l Conditions		-5: -00	7 708	<u> </u>	•	······································				
Time	me Casing / Screen Purged (gallons)		100	Rate m)	Water Level (ft-bmp	pl	Ħ	Temperature (°C)	Turbidi (NTU	ty	Conduc (S/M		Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations	
356	N	k	0	_		NA	7.0	1	17.9	OVE	2	0.3	32	9.93	-95	AAU,	RKY
401	1		(0.1	LO		ء.ما	18	19.4	0458		0.31	-8	8.95	-114	1	- ð-
404			2	0.	33		و . ق	37	19.8	OVER		0.3	3 D	8.48	-126		
407			3	0.	33		٠.9	ماد	20 φ	OVER		0.3		9.31	-129		
410 .			4	0.	33		٠. 8		20.7	OVE		0.3		9.18	- (33)		
412	•	t .	5		25	1	6.9		20.7	OVE		0.3		9.40	- 141		
	<u></u>														1		
Purge Sta Time	urt F	Purge End Time		age Flow gpm)		l Gallons urged	Total C Volur Purg	nes T	80% Recovery Water Leve Depth	, at∜	iter La Samp e (ft-t	oling	Colle	nple ection me	Sar	mple Identifica	lion
1354	\	1412	0	-31	5	, .0	3.1	٥٥	8.04	8	٠٥٠	1	14	20	MW-	· Las	
Notes:					<u> </u>				- 		<u> </u>						



Design	name	MISS	ion Va	Mey y	<u>که د ۷</u>				Date	17	L-5-	<u>ما</u> ت				
Project i	No.:	EME	5009 C						Prep	ared By	r M3	<u> </u>				
Well Ide			<u> - w</u>				<u>-</u>		West	hen i	COLO,	000	S	creen:		
Moasure	men	t Point De	scription	: TO	: No	2TH			Pum	Intak	e: 32					
Depth LNAF (ft-bn	PL.	Static	th to Water (ft-bmp)	Well To	otal Da -bmp)	•	Water Colum Heigh (ft)	n l	NAPL Thick (ít-ùmp)	11088	One (1) Volume		g Car s) Volu	e (3) sing smes lons)	Above Screen Volume	Screer Volume
44		9.0	2	39	.90	3	88.0				4,9	4	14.8	,2	-	
Weil E	Veil Diameter (In) O.75 2					ot		Field	Equipment:	4	0~10A		2 54	ــــــــــــــــــــــــــــــــــــــ		
			0.75	2)	4	6	Purg	e Method:		2 5+0	,		ð		
0.75	2)	4 6	0.02	0.16	<i>)</i> 0.	65 1	1.47	Well	Conditions	(rood	8	٠.			
Time	ime Casing / Screen Purged (gallons)		Flow F	- 1	Water Level (ft-bmp)	pł	4	Temperature (°C)	Turbidit (NTU)		uctivity	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations	
1430	NA O -			AU	7.2	0	16.8	315	0.2	4	11.49	-142	LIE	AL		
14 34	-	1	5	1.29	5		7.0	5	17.3	320	0.3	531	10.95	-139	1	
1439			10	1.0			7.1	3	17.6	292	0.3	,48	10.68	-137		
1445	ļ	<u> </u>	15	O . 8	33	V	7.1	5	17.4	242	0.3	57	10.35	- 136	1	
		Purge End Time		ge Flow pm)	Total G Purg	anuns	Total C Volun Purg	nes	80% Recovery Water Level Depth	at S	ter Level Sampling 9 (ft-bmp)	Colle	mple ection me	Sai	mple Identifica	lion
1430		1445	1.0	0	15.	0	3.0	4	15.20	9	.45	144	9	NIWI	- IOLF	
Notes:			······································						<u> </u>					100,00	- 10 CF	





Point Des Depti	<u>5090</u> - W.	<u> </u>		·			Date		2-5-6					
Point Des Depti							Prep	ared B	~	2 S				
Depti	cription						Wea	ther: c	000	, DR	4 S	creen:		
LNAPL Static Water Well Total Depth Col								p Intak	(e: 13	,				
LNAPL Static Water Level (ft-bmp) NA 5.42			otal () -bmp	- ,	Water Colum Heigh (ft)	ın	LNAPL Thici (ft-i/mp)		•	l) Casin gallon	g Car s) Vok	e (3) sing imes lons)	Above Screen Volume	Screer Volume
5.4	2	17.	78		12.34	•	-		1.9	18	5.0	13		-
er (In)		Gall	ons/F	oot		Fiel	d Equipment		Hori	ba .	2 5		٠.	
75 (2) 4 6 0.02 (6					6	Pur	ge Method:			*		8		***************************************
Volume Flow Pote				0.65	1.47	Wei	Condition:	خ)			٠.	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
/ Screen	Volume Purged (gallons) Flow Rate (gpm) L (ft-		Leve	l pi	Н	Temperature (°C)				Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations	
*	0	-		44	, 7.	24	16.9	317	0.	516	11.48	-78	CIE	AR
.	2	0.5	0	1	7.1	9	17.8	253	0.	511	10.84	- 97	,	
	4	٥.٤	10		7-0	80	18.1	756	0.	526		- 1010		
ν <u> </u>	و	ي. ٥	う	1	7.0)	18.2				9.79			
	ري O.3°		······································											
Purge End Time					Volu	mes	Recovery	at at	Sampling	Coll	ection	Sa	imple Identifica	tion
520	0.	40	. و)	• •	ļ		Depth			,		AA NA S	ı - l	
Static Water Level (ft-bmp) 5.42 Diameter (In) 0.75 2) 4 6 0.02 Casing / Screen Purged (gallons) NA O 2.4 4 Casing / Screen Purged (gallons) NA O 2.4 4 Casing / Screen Purged (gallons) NA O 2.4 4 Casing / Screen Purged (gallons) NA O 2.4 4 Casing / Screen Purged (gallons)	Purge End Time Gali 0.75 2 0.16 Cong / Screen Purged (gallons) Purged Horizontal Purged (gallons) Average Flow (gpm)	Gallons/s 0.75 2 0.16	Gallons/Foot	Gallons/Foot	Gallons/Foot Flei	Gallons/Foot Field Equipment	Gallons/Foot Field Equipment:	Gallons/Foot Fleid Equipment: O.75 2 4 6 Purge Method: O.75 2 4 6 Purge Method: O.75 0.16 0.85 1.47 Weil Conditions O.75 O.75	Gallons/Foot Fleid Equipment: Horuba	Conductivity Cond				





Project Name: Mission Valley Rock Date: 12-5-06 Project No.: EM 5009 C Prepared By: MIS Weli Identification: MW-9LF Weathers cowo, pru Screen: **Measurement Point Description:** TOC NORTH Pump Intake: 341 Water Depth to Depth to Three (3) Above **Well Total Depth** Column **LNAPL Thickness** LNAPL One (1) Casing Static Water Casing Screen Screen (ft-bmp) Height (ft-bmp) (ft-bmp) Volume (gallons) Volumes Level (ft-bmp) Volume Volume (ft) (gailons) NA 6.85 39 - 11 32.26 15.48 5.16 Gallons/Foot Field Equipment: Well Diameter (in) Horiba, 0.75 2 6 Purge Methodi stage 0.75 6 0.02 0.16. 0.65 1.47 Well Conditions Good Volume Water Flow Rate Dissolved Time Casing / Screen Temperature Turbidity Conductivity Purged ORP Level рΗ Oxygen (gpm) Observations (°C) (gallons) (NTU) (5/M) (mV) (ft-bmp) (mg/L)1535 NA 0 NA 7.55 17.0 288 0.232 10.90 -112 LIEAR 1541 0.67 7 29 17.8 264 0.232 - 128 CICAR 16.20 1549 8 0.50 7.22 17.6 296 0.234 10.43 -125 CIEAR 1556 12 0.57 17.7 7.20 597 0.242 9.96 -122 MURKY 1608 16 0.33 7.19 17.6 DVER 0.241 9.55 -124 MURKU 80% Purge Start **Total Casing** Purge End Average Flow Water Level **Total Gallons** Sample Recovery Time Volumes Time (gpm) Purged at Sampling Collection Sample Identification Water Level Purged Time (ft-bmp) Time Depth 1535 1608 0.48 0. يا\ 3.10 13.30 13.30 1632 MW-9LF Notes:



Project N	lame	: Miss	ion Vo	ulley F	کے ن در	<u> </u>			Date	· · · · · · · · · · · · · · · · · · ·	12-5						
Project N		EM	5009 C						·	ared B		722					
			ムル - escription						·		صح			<u> </u>	cr a en:	·····	·
Depth LNAP (ft-bm	to L	Dep Static	oth to Water (ft-bmp)	Well To			Wate Colum Helgh (ft)	n I	LNAPL Thici			名.7 (1) C ne (ga	asing	Ca: () Volu	ee (3) sing umes lons)	Above Screen Volume	Screen Volume
NA		6.4	0	8.	71		2.31				0.	37		1.1	\		
Well D	lame	ter (in)		Gali	ons/F	oot		Field	i Equipment	i	Ha	- h	Δ.	2 <		······	<u></u>
		()	0.75	2		4	6	Purg	e Method:		2 :	540	···/	2 s			
0.75 / 2		4 6	0.02	0,16		0.65	1.47	Well	Conditions		(50	ood	0	٠.			····
Tlme	Casin	g / Screen	Volume Purged (gallons)	Flow R (gpm		Water Level (ft-bmp)	pt	4	Temperature (°C)	Turbid (NTU	,	nducti	vity	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations
206	-	A	0	-		74	7.0	8	14.5	474	0	. 25	5	12.47	-95	clos	ody
211		<u> </u>	0.5	0.10)		7.0	>5	17.9	800	0	. 28	9	10.40	-121		,
215	,	<u> </u>	1.0	0.13)		we	<u>. </u>	WENT	DRY	(3)	Αo	one	× 0.	75 0	ساهمع	
· · · · · · · · · · · · · · · · · · ·			15			\ U	-								0		
														<u> </u>			·
Purge Star Time	rt	Purge End Time	I	ge Flow pm)		Gallons ged	Total C Volun Purg	nes	80% Recovery Water Leve Depth	.ı at	aler Leve Sampiln ie (ft-bin	g	Sam Collec	tion	San	nple Identifica	ition
		215	0.	80	0.	75	2.0	3	6.86	ما	.44	11	44 ما		MW-	<u>_</u> s	
Notes:																	



Project No.:	e: Missi	on Va .009 C	Mey R	-0 c.K.			Date	\ \ \ \ \	- به -		-				
Well Identific	cation:	~ \ \ \ \ =	.116					ared By:							
Measuremen	it Point De	scription		oc No	07H			<i>ے</i> ther: p Intake:		Day		creen;			
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)		Well To	Well Total Depth (ft-bmp)			LNAPL Thick (ft-bmp)			Cai	e (3) sing imes	Above Screen Volume	Screen Volume		
NA	7.28	3	9.4	13	2.15	-			0.34		1.0	3			
Well Diameter (in)			Gall	ons/Foot		Fle	d Equipment: Horrba, 2 stage								
	0.75		2 4		6	Pui	rge Method:	7	540			3	· · · · · · · · · · · · · · · · · · ·		
0.75 (2)	4 6	0.02	0.16	0.65	1.47	We	li Condizion:		000		· .				
Time Cas	sing / Soreen	Volume Purged (gallons)	Flow R (gpm		/el	рΗ	Temperature (°C)	Turbidily (NTU)			Dissolved Oxygen (mg/L)		Obs	Observations	
100	44	0		Ŋ	A 7.	25	13.3	OVER	0.1	99	7.41	-76	Muen	<u> </u>	
926	1	0.5	0.13	3	י ק.	18	14.1	OVER	0.1	92	9.86	-101	clos		
730		1.0	0.13	>	٦	. []	17.5	715	0.2	07	9.01	-112			
935	- 	1.5	0.10		<u>ا</u> ا	05	18.5	558	0.2	10	8.91	- 125	1		
															
Purge Start Time	Purge End Average Time (gpr				Vol	Casing ume s rged	80% Recovery Water Leve Depth	, at Sa	Sampling Co		nple ction	Sample Identification			
922	935	0.12		2 1.50		41	7.71	7.0	٥٥	930	7	MW-	115		



Project Name; Project No.: Well Identifica Measurement	EM5	009 C						Pren	ared By	. 1 .					
Measurement	tion: N	1W -	har					1 - 1 - 1	areu by	: M3	>				
	Point De							Wea	ther: c	040	, DR	ч s	creen:	·	
		scription	-	TOC	Nor	2TH		Pum	p Intake	e: \co		· /			
Depth to LNAPL (ft-bmp)	Static	(ft-bmp)		Il Total Depth (ft-bmp)		Water Column Height (ft)		LNAPL Thick (ft-bmp)		One (1) Casin Volume (gallon		g Ca Is) Voli	e (3) sing imes lons)	Above Screen Volume	Screen Volume
NA	8.18											5.3			
Well Diame	neter (in) 0.75		Gallons/Foot				Field Equip 6 Purge Meth					2 <40	~ &_		
			2 4			6			\Box	eriba, 2 stage					***************************************
0.75 (2)	4 6	0.02	0.16 0.65		1.47	Wo	Vell Condition:		rood						
Time Casing	/Screen	Volume Purged (gallons)		Flow Rate (gpm) (ft-bri		! рН		Temperature (°C)	Turbidity (NTU)		uctivity	Dissolved Oxygen (mg/L)	ORP (mV)	Obs	ervations
	A	0			NA	٠ ٦٠(٥٥٠	16.4	741	0.5	96	10.48	-99	داها	d ~.
155		۲	ى، 0	7	7 1		11	18.1	OVER	0.5			-113		
158		4	ي. ن	7		7.1	6	18.3	OVER	- U·5	83	9.44			
002		<u></u>	0.5		1	٦٠	13	18.3	OVER	0.5	83 9.13		- 133		
											-				
Purge Start F	Purge End	Averag	je Flow	Total	Gallons	Total C	Casing	80% Recovery		er Level	Sar	mple			
Time	Time	(gr	om)		rged	Volui Purç		Water Leve Depth		ampling (ft-bmp)		ection me	Sa	nple Identifical	ion
952 Notes:	1002		७०	٥٠ يا		3.	35	10.42	8	% ን	1001	به ا	MW-	100	



Project No.	i FM	100 Ua 5009 C	Mey F	Lock			Date	: VZ ared By:	<u> e</u>					
Well Identif		MW-								<u> </u>				
M e asureme	ent Point D	escription	Te	CA	Joer	14	Pum	ص then: p intake:	<u>~D , 1</u>	puy	3	cr ee n:		
Depth to LNAPL (ft-bmp)	Static	Depth to Static Water Level (ft-bmp)		Well Total Depth (ft-bmp)			LNAPL Thick (ft-bmp)	, , , , , , , , , , , , , , , , , , ,		i) Casing e (galions)		e (3) sing unes ions)	Above Screen Volume	Screen Volume
NA	7.4			.50	1	2.85			2.04		١. ي	7		
Well Diameter (in)			Gall	ons/Foo	t	Fiel	d Equipment:	Ho	rlb		<u>age</u>	6.0.4		
		0.75	2	4		6 Pur	ge Method:				<i></i> ,	<u>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </u>		
0.75 2	4 6	0.02	0.16	0.6	5	1.47 Wei	l Condition:	(37	sta bod	- 2° -	<u>, </u>			
Time c	esing / Screen	Volume Purged (gallons)	Flow Rate		Water Level (ft-bmp)	рН	Temperature (°C)	Turbidity (NTU)		uctivity	Oxygen (mg/L)		()haantatiana	
1018	NA	0		NA		7.21	14.7	689	0.1	LOB	10.56	-99	clou	du
1023		2	0.40)	1	7.13	19.1	OVER	0.1	L03	9.69	-108	Nuc	
1028		4	0.4	0		6.94	19.4	over	0.2	رەي	9.21	-116	T	
1033		لم.	0.4	0	_	له.84	19.5	OVER 0.2		p5	9.47	-113	,	
8.60		_ ১	0.40		Ψ	6-85	19.5	OVER	0.7	208	9.39	-117	J	
		···												
Purge Start Time	Purge End Time	. a. 3 a mile Michael Mail Mail Mail Mail Mail Mail Mail Mai		Total Casing Volumes Purged	80% Recovery Water Level Depth	at Sai	Level mpling ft-bmp)	Colle	nple ection me	⊥ Sar	nple Identifical	ion		
lo18 Notes:	१०३४	0.	40	8.c	<u> </u>	3.88	10.22	10.2	.2	104	5	MW	- 114	



Project P	\ame	" Miss	ion Vo	<u>الديد ا</u>	200	<u>: بحب _</u>			Date	Date: 12- 4-06								
Project r	40.:	EM	5009 C	. –						ared B		Z S						
			<u> </u>						Wes	thera	LOLD	, DR	-) S	creen:				
Measure	men	Point D	escription	1 71	عد	Noo	TH		Pun	p Intal	(0: 26	,						
Depth to LNAPL (ft-bmp)		Statio	: YYATAF L		Total Depth (ft-bmp)		Wate Colun Helgi (ft)	n	LNAPL Thic (ft-bmp		SS One (1) Volume (g Car is) Volu	e (3) sing emes lons)	Above Screen Volume	Screen Volume		
		٠. ي	58	24.28		>	17.70)		ļ	2.82		8.5					
Well Diameter (in)			Gai	lons/	Foot		Field Equipment:			Horiba, 2 estage								
		0.7		2 4		6 Purge Met		rge Method:	•	ر م		<u> </u>	- S					
0.75		0.16 0.65 1.4		1.47	We	il Condition:	(2 54	<u> </u>	·			······································					
Time	Casing / Screen Volume Purged (gallons)		Flow (gp		Leve	Vater Level ph t-bmp)		Temperature (°C)	Turbid (NTU	ity Cond	uctivity	Dissolved OF Oxygen (mg/L)		Obs	ervations			
1100	r	AL	0			NA	A 7.1		17.4	945	0.3	24	11.59	-115	clou	dy		
1105	<u> </u>	1	3	0.4	20		رو .	95	18.1	OVE	2 0.3	35	9.77	-123	1			
1110	<u> </u>		<u></u>	0.0	0.60		۰ وا	14	18.5	OUE	·			-144				
1116	<u> </u>	<u> </u>	9	0.56			ا.ما	ነነ	18.5	OVE			9.12	-151				
		·· <u>·</u>																
D 64							Total (Coolo	30%									
Purge Sta Time	ırt	Purge End Time	1	ge Flow pm)	ge Flow Total Gallo om) Purged		Volu Pur	mes	Recovery Water Leve Depth	at at	ater Level Sampling ne (ft-bmp)	Coll	mple ection me	Sai	mple Identifica	lion		
1100		1116	0 -	56	9	0	3.1	9	10.12	8	.02	112	. 0	MW	-9d			
Notes:																		

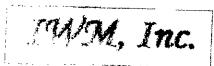


Deals - 5 5	ame: Missi	<u>on Va</u>	Mey !	<u> </u>	.لا				Date: 12-4-06									
Project No		2000 C							ared By:									
Ven ident	ification: r	<u> </u>						Weat	hen 🔾	OLD, E)RY	3	c ree n:					
neasul eli	Idiit Foliit De	scription	: \	20	Noe-			Pum	p Intake	20								
Depth to LNAPL (ft-bmp	Static	th to Water ft-bmp)	Vater Well To (ft-		- 1	Water Column Height (ft)		LNAPL Thick (ft-bmp)	ness Gne (1) Volume (g Ca (s) Vok	e (3) sing unes ions)	Above Screen Volume	Screen Volume			
NA	له.له	4								2.72		8.1	5					
Weil Diameter (in)					ns/Foot			d Equipment:	14	Horiba 6		2 .	stage					
		0.75	2		4	6	Purg	e Method:					33					
0.75 (2)	4 6	0.02	0.16		0.65	1.47	Well	Condition:		stag	5_	·.	<u> </u>					
	Casing / Screen	Volume Purged (gallons)		Flow Rate (gpm) Wate Leve (ft-brr		l pH		Temperature (°C)	Turbidity (NTU)			Dissolved Oxygen (mg/L)	ORP (mV)	Observations.				
1134	NA	0		NA		7.05		16.7	OVER	0.27	0	8.49	-116	Nuex	.4			
142		3	0.?	8		7.01 4.98		17.9	OVER	0.230		9.11	-124	MUR	cy			
150		ب	0.3	8				18.3	OVER O.		21	8.45	-129	BIACK				
158		1 9		38		7.00		18.0	OVER	0.27	۲ 4	901	-138	Moev				
																		
																		
Purge Start Time	Purge End Time					Total Ca Volun Purg	nes	80% Recovery Water Level Depth	at Sa	r Level impling (ft-bmp)	Colle	Sample ollection Time		Sample Identification				
1134	1158			9.	0	3.3	0	10.03	10	00	120	, 	MW-	70				
lotes:	-				<u> </u>								<u> </u>					



Project N	ame: Miss	ion Vo	Mey R	ock_			Date:										
Project No.	——————————————————————————————————————	5009 C		···-			Prepar	·····	Mo	<u>5</u>							
	nent Point D	MW -					Weath		oup,		y :	creen:					
Depth t LNAPL (ft-bmp	to Dej	oth to Water (ft-bmp)	Well Total Depth		Wate Colum Heigh (ft)	n LNAF	Pump PL Thickne (ft-bmp)	88 One (1)		1) Casing e (galions)		ee (3) ising umes ilons)	Above Screen Volume	Screen Volume			
NA	7.3	7			21.78	,)			3.48		10.						
Well Di	lameter (in)		Gailo	Gailons/Foot		Field Equ	ield Equipment:		Horiba, 2								
	(11)	0.75	$\sqrt{2}$	4	6	Purge Me	Deemara BB - than de		-5-	•		lage	<u>- </u>				
0.75 2) 4 6	0.02	0.16	0.65	1.47	Well Con	dition:		000	ω	`.						
Time	Casing / Screen	Volume Purged (gallons)	Flow Rat (gpm)	e Wat Leve (ft-bn	el pl			urbidity (NTU)	Cond)	ectivity	Dissolved Oxygen (mg/L)	ORP (mV)	Observations				
1216	NA	0		10,	Δ 7.	17 18	. 2 6	04	0.23	26	6-78	-107	ر داه،	-64			
1219		3	1.0		7.	14 19	. 1 0	ver.	0.2	40	6.61	-115	Mu	exy			
1221		_ φ	1.5		7.	10 19	.1 6	vee	0.2	.42	6.71	-118		<u></u>			
1224		_9	1.0		7.09 19		.1 0	NER	L 0.243		Le.78	-12/					
227	<u> </u>	12	1.0		7.	09 19	.2 0	ver	0.2	45	4.77	-124					
Purge Start Time	t Purge End Time		ige Flow Total Gallons ppm) Purged		Total C Volur Purg	nes w	80% Recovery ater Level Depth	Water Level at Sampling Time (ft-bmp)		Colle	nple ection me	Sample Identification					
1216	1227	1.0	9	12.0	3,4	15 11	٠٦٦ -	8.5	0	123	2	MW-	60				
Notes:	Not Acce	ss alole	at this	time -	-tank	work	-										

APPENDIX C CERTIFICATE OF DISPOSAL



WTEGRATED WASTESTREAM MANAGEMENT, WIT IF IN COLUMNIES DRIVE, NAN JOSE, CA 95171 IEDRE: 108483,1090 FAX: 488,403,9621

CERTIFICATE OF DISPOSAL

Generator Name;	Mission Valley Rock	Facility Name;	***
1ddress:	7999 Athenour Way		Mission Valley Rock Co.
	Sunol, CA	Address:	7999 Athenour Way
Contact:	Mort Calvert	troutte, co	Sunol, CA
Phone:	925-862-2257	Facility Contact: Phone:	Mike Schenone, TAIT Environmental 916-858-1090
			270 030-1090

 IWM Job #:
 96554-DW

 Description of Waste:
 4 Drums of

 Non-Hazardous
 Water

 Removal Date:
 01/04/06

 Ticket #:
 SP040106-MISC

Kranst	orter Information	Dispos	Disposal Facility Information				
Name:	IWM, Inc.	Name:	Sanmora D. C				
Address:	950 Ames Avenue	Address:	Seaport Refining & Environmental				
	Milpitas, CA 95035		700 Seaport Blvd				
Phone:	(408)942-8940	Phone:	Redwood City, CA 94063 (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 2. O. Jon	
Authorized Representative (Print Name and Signature)	01/04/06
roprosonative (Fine Name and Signature)	Date

APPENDIX D LABORATORY REPORT

11 December 2006

Michael Schenone Tait -- Rancho Cordova 11280 Trade Center Drive Rancho Cordova, CA 95742

RE: Mission Valley Rock

Enclosed are the results of analyses for samples received by the laboratory on 12/07/06 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Maria Bonifacio

Project Coordinator

Tait -- Rancho Cordova 11280 Trade Center Drive Rancho Cordova CA, 95742 Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/11/06 16:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4s	T601676-01	Water	12/04/06 13:25	12/07/06 10:30
MW-4d	T601676-02	Water	12/04/06 13:55	12/07/06 10:30
MW-7s	T601676-03	Water	12/04/06 14:40	12/07/06 10:30
MW-8	T601676-04	Water	12/04/06 15:05	12/07/06 10:30
MW-11LF	T601676-05	Water	12/04/06 15:35	12/07/06 10:30
MW-12d	T601676-06	Water	12/04/06 16:30	12/07/06 10:30
MW-5s	T601676-07	Water	12/04/06 16:51	12/07/06 10:30
MW-12s	T601676-08	Water	12/05/06 09:20	12/07/06 10:30
MW-12LF	T601676-09	Water	12/05/06 09:59	12/07/06 10:30
MW-5d	T601676-10	Water	12/05/06 10:47	12/07/06 10:30
MW-3	T601676-11	Water	12/05/06 11:17	12/07/06 10:30
MW-10s	T601676-12	Water	12/05/06 11:52	12/07/06 10:30
MW-2d	T601676-13	Water	12/05/06 12:39	12/07/06 10:30
MW-2m	T601676-14	Water	12/05/06 13:09	12/07/06 10:30
MW-9s	T601676-15	Water	12/05/06 13:37	12/07/06 10:30
MW-6s	T601676-16	Water	12/05/06 14:20	12/07/06 10:30
MW-10LF	T601676-17	Water	12/05/06 14:49	12/07/06 10:30
MW-1	T601676-18	Water	12/05/06 15:24	12/07/06 10:30
MW-9LF	T601676-19	Water	12/05/06 16:32	12/07/06 10:30
MW-2s	T601676-20	Water	12/05/06 16:44	12/07/06 10:30
MW-11s	T601676-21	Water	12/06/06 09:39	12/07/06 10:30
MW-10d	T601676-22	Water	12/06/06 10:06	12/07/06 10:30
MW-11d	T601676-23	Water	12/06/06 10:45	12/07/06 10:30
MW-9d	T601676-24	Water	12/06/06 11:20	12/07/06 10:30
MW-7d	T601676-25	Water	12/06/06 12:05	12/07/06 10:30
MW-6d	T601676-26	Water	12/06/06 12:32	12/07/06 10:30

SunStar Laboratories, Inc.

11280 Trade Center Drive Project Number: EM5009C Reported:
Rancho Cordova CA, 95742 Project Manager: Michael Schenone 12/11/06 16:10

Purgeable Petroleum Hydrocarbons by EPA 8015m SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4s (T601676-01) Water Sampled: 12/04	/06 13:25	Received:	12/07/06	10:30					•
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		107 %	65	-135	"	"	"	"	
MW-4d (T601676-02) Water Sampled: 12/04	1/06 13:55	Received:	12/07/0	6 10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		84.6 %	65	-135	"	"	"	"	
MW-7s (T601676-03) Water Sampled: 12/04	/06 14:40	Received:	12/07/06	10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		112 %	65	-135	"	"	"	"	
MW-8 (T601676-04) Water Sampled: 12/04/	06 15:05	Received: 1	2/07/06	10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		108 %	65	-135	"	"	"	"	
MW-11LF (T601676-05) Water Sampled: 12	2/04/06 15:	35 Receive	ed: 12/07	7/06 10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		112 %	65	-135	"	"	"	"	
MW-12d (T601676-06) Water Sampled: 12/0	04/06 16:3	0 Received	1: 12/07/0	06 10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		109 %	65	-135	"	"	"	"	
MW-5s (T601676-07) Water Sampled: 12/04	/06 16:51	Received:	12/07/06	10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		104 %	65	-135	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

Purgeable Petroleum Hydrocarbons by EPA 8015m SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-12s (T601676-08) Water Sampled:	12/05/06 09:20	Received	: 12/07/06	10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		115 %	65-1.	35	"	"	"	"	
MW-12LF (T601676-09) Water Sampled	l: 12/05/06 09:	59 Receive	ed: 12/07/0	06 10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		112 %	65-1.	35	"	"	"	"	
MW-5d (T601676-10) Water Sampled: 1	2/05/06 10:47	Received:	12/07/06 1	10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		89.8 %	65-1.	35	"	"	"	"	
MW-3 (T601676-11) Water Sampled: 12	/05/06 11:17	Received: 1	2/07/06 10):30					
C6-C12 (GRO)	82	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		111 %	65-1.	35	"	"	"	"	
MW-10s (T601676-12) Water Sampled:	12/05/06 11:52	2 Received	: 12/07/06	10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		106 %	65-1.	35	"	"	"	"	
MW-2d (T601676-13) Water Sampled: 1	2/05/06 12:39	Received:	12/07/06 1	10:30					
C6-C12 (GRO)	150	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		108 %	65-1.	35	"	"	"	"	
MW-2m (T601676-14) Water Sampled:	12/05/06 13:09	Received:	12/07/06	10:30					
C6-C12 (GRO)	340	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		105 %	65-1.	35	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center Drive Project Number: EM5009C Reported:
Rancho Cordova CA, 95742 Project Manager: Michael Schenone 12/11/06 16:10

Purgeable Petroleum Hydrocarbons by EPA 8015m SunStar Laboratories, Inc.

				,					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-9s (T601676-15) Water Sampled: 1	2/05/06 13:37	Received:	12/07/06	10:30					
C6-C12 (GRO)	190	50	ug/l	1	6120705	12/07/06	12/08/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		99.8 %	65-	135	"	"	"	"	
MW-6s (T601676-16) Water Sampled: 1	2/05/06 14:20	Received:	12/07/06	10:30					
C6-C12 (GRO)	1000	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		106 %	65-	135	"	"	"	"	
MW-10LF (T601676-17) Water Sample	1: 12/05/06 14:	49 Receive	ed: 12/07/	06 10:30					
C6-C12 (GRO)	610	50	ug/l	1	6120705	12/07/06	12/08/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		110 %	65-	135	"	"	"	"	
MW-1 (T601676-18) Water Sampled: 12	2/05/06 15:24	Received: 1	2/07/06 1	0:30					
C6-C12 (GRO)	1200	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		110 %	65-	135	"	"	"	"	
MW-9LF (T601676-19) Water Sampled	: 12/05/06 16:3	2 Received	1: 12/07/0	6 10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/08/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		107 %	65-	135	"	"	"	"	
MW-2s (T601676-20) Water Sampled: 1	2/05/06 16:44	Received:	12/07/06	10:30					
C6-C12 (GRO)	ND	50	ug/l	1	6120705	12/07/06	12/07/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		103 %	65-	135	"	"	"	"	
MW-11s (T601676-21) Water Sampled:	12/06/06 09:39	Received	: 12/07/06	5 10:30					
C6-C12 (GRO)	130	50	ug/l	1	6120706	12/07/06	12/08/06	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		97.2 %	65-	135	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

Purgeable Petroleum Hydrocarbons by EPA 8015m SunStar Laboratories, Inc.

Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sampled: 12/06/06 10:06	Received	: 12/07/0	06 10:30					
1600	50	ug/l	1	6120706	12/07/06	12/08/06	EPA 8015m	
rne	108 %	65-	-135	"	"	"	"	
Sampled: 12/06/06 10:45	Received	: 12/07/0	06 10:30					
2100	500	ug/l	10	6120706	12/07/06	12/08/06	EPA 8015m	
ene	107 %	65-	-135	"	"	"	"	
Sampled: 12/06/06 11:20	Received:	12/07/06	5 10:30					
170000	5000	ug/l	100	6120706	12/07/06	12/08/06	EPA 8015m	
rne	115 %	65-	-135	"	"	"	"	
Sampled: 12/06/06 12:05	Received:	12/07/06	5 10:30					
58000	500	ug/l	10	6120706	12/07/06	12/08/06	EPA 8015m	_
rne	102 %	65-	-135	"	"	"	"	·
Sampled: 12/06/06 12:32	Received:	12/07/06	5 10:30					
500	50	ug/l	1	6120706	12/07/06	12/08/06	EPA 8015m	
ene	102 %	65-	-135	"	"	"	"	
	Sampled: 12/06/06 10:06 1600 ne Sampled: 12/06/06 10:45 2100 ne Sampled: 12/06/06 11:20 170000 ne Sampled: 12/06/06 12:05 58000 ne Sampled: 12/06/06 12:32	Result Limit Sampled: 12/06/06 10:06 Received 1600 50 me 108 % Sampled: 12/06/06 10:45 Received 2100 500 me 107 % Sampled: 12/06/06 11:20 Received: 170000 5000 me 115 % Sampled: 12/06/06 12:05 Received: 58000 500 me 102 % Sampled: 12/06/06 12:32 Received: 500 50	Result Limit Units Sampled: 12/06/06 10:06 Received: 12/07/0 1600 50 ug/l me 108 % 65- Sampled: 12/06/06 10:45 Received: 12/07/0 2100 500 ug/l me 107 % 65- Sampled: 12/06/06 11:20 Received: 12/07/06 me 115 % 65- Sampled: 12/06/06 12:05 Received: 12/07/06 58000 500 ug/l me 102 % 65- Sampled: 12/06/06 12:32 Received: 12/07/06 500 50 ug/l 500 50 ug/l	Result Limit Units Dilution Sampled: 12/06/06 10:06 Received: 12/07/06 10:30 1600 50 ug/l 1 me 108 % 65-135 Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 2100 500 ug/l 10 me 107 % 65-135 Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 me 115 % 65-135 Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 me 102 % 65-135 Sampled: 12/06/06 12:32 Received: 12/07/06 10:30 500 102 % 65-135	Result Limit Units Dilution Batch Sampled: 12/06/06 10:06 Received: 12/07/06 10:30 1600 50 ug/l 1 6120706 me 108 % 65-135 " Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 107 % 65-135 " Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 100 6120706 me 115 % 65-135 " Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 sampled: 12/06/06 12:32 Received: 12/07/06 10:30 Sampled: 12/06/06 12:32 Received: 12/07/06 10:30	Result Limit Units Dilution Batch Prepared Sampled: 12/06/06 10:06 Received: 12/07/06 10:30 I 6120706 12/07/06 ne 108 % 65-135 " " Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 ug/l 10 6120706 12/07/06 ne 107 % 65-135 " " " Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 ug/l 100 6120706 12/07/06 me 115 % 65-135 " " Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 Ug/l 10 6120706 12/07/06 me 102 % 65-135 " " " Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 " " Sampled: 12/06/06 12:32 Received: 12/07/06 10:30 1 6120706 12/07/06	Result Limit Units Dilution Batch Prepared Analyzed Sampled: 12/06/06 10:06 Received: 12/07/06 10:30 me 108 % 65-135 " " " Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 Ug/l 10 6120706 12/07/06 12/08/06 me 107 % 65-135 " " " Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 sampled: 12/06/06 12:05 Received: 12/07/06 10:30 sampled: 12/06/06 12:05 Received: 12/07/06 10:30 sampled: 12/06/06 12:32 Received: 12/07/06 10:30	Result Limit Units Dilution Batch Prepared Analyzed Method Sampled: 12/06/06 10:06 Received: 12/07/06 10:30 me 108 % 65-135 " " " " " Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 107 % 65-135 " " " " " Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 107 % 65-135 " " " " " Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 100 6120706 12/07/06 12/08/06 EPA 8015m Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 100 6120706 12/07/06 12/08/06 EPA 8015m Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 100 6120706 12/07/06 12/08/06 EPA 8015m Sampled: 12/06/06 12:32 Received: 12/07/06 10:30

SunStar Laboratories, Inc.

11280 Trade Center Drive Project Number: EM5009C Reported:
Rancho Cordova CA, 95742 Project Manager: Michael Schenone 12/11/06 16:10

Extractable Petroleum Hydrocarbons by 8015 SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-4s (T601676-01) Water	Sampled: 12/04/06 13:25	Received:	12/07/06 1	10:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		112 %	65-1	35	"	"	"	"	
MW-4d (T601676-02) Water	Sampled: 12/04/06 13:55	Received:	12/07/06	10:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		114 %	65-1	35	"	"	"	"	
MW-7s (T601676-03) Water	Sampled: 12/04/06 14:40	Received:	12/07/06 1	10:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		93.2 %	65-1	35	"	"	"	"	
MW-8 (T601676-04) Water	Sampled: 12/04/06 15:05	Received: 1	2/07/06 10	0:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		116 %	65-1	35	"	"	"	"	
MW-11LF (T601676-05) Water	er Sampled: 12/04/06 15:	35 Receive	ed: 12/07/0	06 10:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		121 %	65-1	35	"	"	"	"	
MW-12d (T601676-06) Water	Sampled: 12/04/06 16:30	0 Received	l: 12/07/06	10:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		96.8 %	65-1	35	"	"	"	"	
MW-5s (T601676-07) Water	Sampled: 12/04/06 16:51	Received:	12/07/06 1	10:30					
Diesel Range Hydrocarbons	1.2	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		119 %	65-1	35	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number:EM5009CReported:Rancho Cordova CA, 95742Project Manager:Michael Schenone12/11/06 16:10

Extractable Petroleum Hydrocarbons by 8015 SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-12s (T601676-08) Water	Sampled: 12/05/06 09:20	Received	: 12/07/06	10:30					
Diesel Range Hydrocarbons	0.13	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		115 %	65-1	135	"	"	"	"	
MW-12LF (T601676-09) Wate	er Sampled: 12/05/06 09:5	9 Receive	ed: 12/07/	06 10:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		114 %	65-1	135	"	"	"	"	
MW-5d (T601676-10) Water	Sampled: 12/05/06 10:47	Received:	12/07/06	10:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		111 %	65-1	135	"	"	"	"	
MW-3 (T601676-11) Water S	Sampled: 12/05/06 11:17 F	Received: 1	2/07/06 1	0:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		112 %	65-1	135	"	"	"	"	
MW-10s (T601676-12) Water	Sampled: 12/05/06 11:52	Received	: 12/07/06	10:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		114 %	65-1	135	"	"	"	"	
MW-2d (T601676-13) Water	Sampled: 12/05/06 12:39	Received:	12/07/06	10:30					
Diesel Range Hydrocarbons	3.0	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		94.0 %	65-1	135	"	"	"	"	
MW-2m (T601676-14) Water	Sampled: 12/05/06 13:09	Received:	: 12/07/06	10:30					
Diesel Range Hydrocarbons	6.1	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		117 %	65-1	135	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number:EM5009CReported:Rancho Cordova CA, 95742Project Manager:Michael Schenone12/11/06 16:10

Extractable Petroleum Hydrocarbons by 8015 SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
,					Dateii	Терагси	Anaryzeu	Wicthod	Notes
MW-9s (T601676-15) Water	Sampled: 12/05/06 13:37	Received:	12/07/06	10:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		115 %	65-1	135	"	"	"	"	
MW-6s (T601676-16) Water	Sampled: 12/05/06 14:20	Received:	12/07/06	10:30					
Diesel Range Hydrocarbons	2.6	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		95.8 %	65-1	135	"	"	"	"	
MW-10LF (T601676-17) Wat	ter Sampled: 12/05/06 14:	49 Receive	ed: 12/07/	06 10:30					
Diesel Range Hydrocarbons	0.19	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		114 %	65-1	135	"	"	"	"	
MW-1 (T601676-18) Water	Sampled: 12/05/06 15:24	Received: 1	2/07/06 1	0:30					
Diesel Range Hydrocarbons	ND	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		105 %	65-1	135	"	"	"	"	
MW-9LF (T601676-19) Wate	er Sampled: 12/05/06 16:3	2 Received	d: 12/07/0	6 10:30					
Diesel Range Hydrocarbons	0.29	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		116 %	65-1	135	"	"	"	"	
MW-2s (T601676-20) Water	Sampled: 12/05/06 16:44	Received:	12/07/06	10:30					
Diesel Range Hydrocarbons	18	0.050	mg/l	1	6120707	12/07/06	12/08/06	EPA 8015m	
Surrogate: Chrysene		106 %	65-1	135	"	"	"	"	
MW-11s (T601676-21) Water	Sampled: 12/06/06 09:39	Received	: 12/07/06	5 10:30					
Diesel Range Hydrocarbons	1.7	0.050	mg/l	1	6120708	12/07/06	12/08/06	EPA 8015m	_
Surrogate: Chrysene		90.5 %	65-1	135	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center Drive Project Number: EM5009C Reported:
Rancho Cordova CA, 95742 Project Manager: Michael Schenone 12/11/06 16:10

Extractable Petroleum Hydrocarbons by 8015 SunStar Laboratories, Inc.

								*
Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sampled: 12/06/06 10:06	Received	: 12/07/0	6 10:30					
ND	0.050	mg/l	1	6120708	12/07/06	12/08/06	EPA 8015m	
	93.8 %	65-	135	"	"	"	"	
Sampled: 12/06/06 10:45	Received	: 12/07/0	6 10:30					
190	0.050	mg/l	1	6120708	12/07/06	12/08/06	EPA 8015m	
	108 %	65-	135	"	"	"	"	
Sampled: 12/06/06 11:20	Received:	12/07/06	10:30					
9.1	0.050	mg/l	1	6120708	12/07/06	12/08/06	EPA 8015m	D-08
	85.0 %	65-	135	"	"	"	"	
Sampled: 12/06/06 12:05	Received:	12/07/06	10:30					
12	0.050	mg/l	1	6120708	12/07/06	12/08/06	EPA 8015m	D-08
	109 %	65-	135	"	"	"	"	
Sampled: 12/06/06 12:32	Received:	12/07/06	10:30					
1.3	0.050	mg/l	1	6120708	12/07/06	12/08/06	EPA 8015m	
	111 %	65-	135	"	"	"	"	
	Sampled: 12/06/06 10:06 ND Sampled: 12/06/06 10:45 190 Sampled: 12/06/06 11:20 9.1 Sampled: 12/06/06 12:05 12 Sampled: 12/06/06 12:32	Result Limit Sampled: 12/06/06 10:06 Received ND 0.050 93.8 % Received Sampled: 12/06/06 10:45 Received 190 0.050 108 % Received: 9.1 0.050 85.0 % 85.0 % Sampled: 12/06/06 12:05 Received: 12 0.050 109 % Sampled: 12/06/06 12:32 Received: 1.3 0.050	Result Limit Units Sampled: 12/06/06 10:06 Received: 12/07/0 ND 0.050 mg/l 93.8 % 65- Sampled: 12/06/06 10:45 Received: 12/07/0 190 0.050 mg/l 108 % 65- Sampled: 12/06/06 11:20 Received: 12/07/06 9.1 0.050 mg/l 85.0 % 65- Sampled: 12/06/06 12:05 Received: 12/07/06 12 0.050 mg/l 109 % 65- Sampled: 12/06/06 12:32 Received: 12/07/06	Result Limit Units Dilution Sampled: 12/06/06 10:06 Received: 12/07/06 10:30 ND 0.050 mg/l 1 93.8 % $65-135$ 65-135 Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 190 0.050 mg/l 1 108 % $65-135$ 1 Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 Sampled: 12/06/06 12:32 Received: 12/07/06 10:30 Sampled: 12/06/06 10:30 mg/l 1 1.3 0.050 mg/l 1	Result Limit Units Dilution Batch Sampled: 12/06/06 10:06 Received: 12/07/06 10:30 mg/l 1 6120708 ND 0.050 mg/l 1 6120708 Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 mg/l 1 6120708 Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 mg/l 1 6120708 Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 mg/l 1 6120708 Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 mg/l 1 6120708 Sampled: 12/06/06 12:32 Received: 12/07/06 10:30 mg/l 1 6120708 Sampled: 12/06/06 12:33 Received: 12/07/06 10:30 mg/l 1 6120708	Result Limit Units Dilution Batch Prepared Sampled: 12/06/06 10:06 Received: 12/07/06 10:30 1 6120708 12/07/06 Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 Sampled: 12/06/06 12:35 Received: 12/07/06 10:30 Sampled: 12/06/06 12:32 Received: 12/07/06 10:30 Sampled: 12/06/06 12:32 Received: 12/07/06 10:30	Result Limit Units Dilution Batch Prepared Analyzed Sampled: 12/06/06 10:06 Received: 12/07/06 10:30 Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 Sampled: 12/06/06 12:32 Received: 12/07/06 10:30	Result Limit Units Dilution Batch Prepared Analyzed Method Sampled: 12/06/06 10:06 Received: 12/07/06 10:30 ND 0.050 mg/s 1 6120708 12/07/06 12/08/06 EPA 8015m Sampled: 12/06/06 10:45 Received: 12/07/06 10:30 " " " PA 8015m Sampled: 12/06/06 11:20 Received: 12/07/06 10:30 " " " " " " PA 8015m Sampled: 12/06/06 12:05 Received: 12/07/06 10:30 " " " " " " " " " PA 8015m Sampled: 12/06/06 12:32 Received: 12/07/06 10:30 " " " " " " " "

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4s (T601676-01) Water	Sampled: 12/04/06 13:25	Received:	12/07/06	10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		103 %	88.8	R-117	"	"	"	"	
Surrogate: 4-Bromofluorobenze	ene	91.0 %	83.5	-119	"	"	"	"	
Surrogate: Dibromofluoromethe	ane	112 %	78.6	5-135	"	"	"	"	
MW-4d (T601676-02) Water	Sampled: 12/04/06 13:55	Received:	12/07/06	10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
C , T 1 10		102 %	88.8	3-117	"	"	"	"	
Surrogate: Toluene-d8									
surrogate: 101uene-a8 Surrogate: 4-Bromofluorobenze	ene	91.0 %	83.5	-119	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7s (T601676-03) Water	Sampled: 12/04/06 14:40	Received:	12/07/06	10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		103 %	88.8	3-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzo	ene	89.0 %	83.5	-119	"	"	"	"	
Surrogate: Dibromofluorometh	ane	114 %	78.6	5-135	"	"	"	"	
MW-8 (T601676-04) Water	Sampled: 12/04/06 15:05	Received: 1	2/07/06	10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
wichigi teri-outyl ether									
Surrogate: Toluene-d8	· · · · · · · · · · · · · · · · · · ·	103 %	88.8	R-117	"	"	"	"	
· · · · · · · · · · · · · · · · · · ·		103 % 89.2 %		3-117 5-119	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number:EM5009CReported:Rancho Cordova CA, 95742Project Manager:Michael Schenone12/11/06 16:10

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

Analyte	R Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11LF (T601676-05) Water	Sampled: 12/04/06 15:35								
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	240	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		101 %	88.8	B-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.5 %	83.5	5-119	"	"	"	"	
Surrogate: Dibromofluoromethane	?	118 %	78.6	5-135	"	"	"	"	
MW-12d (T601676-06) Water S	Sampled: 12/04/06 16:30	Received	: 12/07/0	6 10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
C		102 %	88 8	3-117	"	"	"	"	
Surrogate: Toluene-d8		102 /0	00.0	, 11,					
Surrogate: Toluene-d8 Surrogate: 4-Bromofluorobenzene		91.8 %		5-119	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number:EM5009CReported:Rancho Cordova CA, 95742Project Manager:Michael Schenone12/11/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5s (T601676-07) Water	Sampled: 12/04/06 16:51	Received:	12/07/06	10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	5.8	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		101 %	88.8	3-117	"	"	"	"	
Surrogate: 4-Bromofluorobenze	ne	89.2 %	83.5	5-119	"	"	"	"	
Surrogate: Dibromofluorometha	ine	115 %	78. <i>6</i>	5-135	"	"	"	"	
MW-12s (T601676-08) Water	Sampled: 12/05/06 09:20	Received	: 12/07/0	6 10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	**	"	"	"	"	"	
m,p-Xylene	ND	1.0	**	"	"	"	"	"	
o-Xylene	ND	0.50	**	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	210	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	3-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzei	ne	92.5 %	83.5	5-119	"	"	"	"	
Surrogate: Dibromofluorometha		119 %	70	5-135	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-12LF (T601676-09) Water	Sampled: 12/05/06 09:59	Receive	ed: 12/07	/06 10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		104 %	88.8	2-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	83.5	-119	"	"	"	"	
Surrogate: Dibromofluoromethane	2	119 %	78. <i>6</i>	5-135	"	"	"	"	
MW-5d (T601676-10) Water S	ampled: 12/05/06 10:47 I	Received:	12/07/06	10:30					
MW-5d (T601676-10) Water S Benzene	ampled: 12/05/06 10:47 I	Received: 0.50	12/07/06 ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Benzene					6120703	12/07/06	12/07/06	EPA 8260B	
Benzene Toluene	ND	0.50	ug/l	1					
Benzene Toluene Ethylbenzene	ND ND	0.50 0.50	ug/l	1	"	"	"	"	
Benzene Toluene Ethylbenzene m,p-Xylene	ND ND ND	0.50 0.50 0.50	ug/l "	1	"	"	"	"	
Benzene Toluene Ethylbenzene m,p-Xylene o-Xylene	ND ND ND ND	0.50 0.50 0.50 1.0	ug/l " "	1 "	"	" "	" "	" "	
Benzene Toluene Ethylbenzene m,p-Xylene o-Xylene Tert-amyl methyl ether	ND ND ND ND ND	0.50 0.50 0.50 1.0 0.50	ug/l " " "	1 "	" " "	" " "	" " "	11 11 11	
Benzene Toluene Ethylbenzene m,p-Xylene o-Xylene Tert-amyl methyl ether Tert-butyl alcohol	ND ND ND ND ND	0.50 0.50 0.50 1.0 0.50 2.0	ug/l " " " "	1 "	" " " " " " " " " " " " " " " " " " " "	" " " "	" " " " " " " " " " " " " " " " " " " "	11 11 11	
Benzene Toluene Ethylbenzene m,p-Xylene o-Xylene Tert-amyl methyl ether Tert-butyl alcohol Di-isopropyl ether	ND ND ND ND ND ND	0.50 0.50 0.50 1.0 0.50 2.0	ug/l " " " "	1	" " " " " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " " " " "	11 11 11 11	11 11 11 11	
· · · · · · · · · · · · · · · · · · ·	ND	0.50 0.50 0.50 1.0 0.50 2.0 10 2.0	ug/l " " " " "	1 " " " " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " " " " "	" " " " " " " "	11 11 11 11	
Benzene Toluene Ethylbenzene m,p-Xylene o-Xylene Tert-amyl methyl ether Tert-butyl alcohol Di-isopropyl ether Ethyl tert-butyl ether Methyl tert-butyl ether	ND	0.50 0.50 0.50 1.0 0.50 2.0 10 2.0 2.0	ug/l " " " " " " "	1	11 11 11 11 11	"" "" "" "" "" "" "" "" "" "" "" "" ""	11 11 11 11 11	11 11 11 11 11 11 11	
Benzene Toluene Ethylbenzene m,p-Xylene o-Xylene Tert-amyl methyl ether Tert-butyl alcohol Di-isopropyl ether Ethyl tert-butyl ether	ND N	0.50 0.50 0.50 1.0 0.50 2.0 10 2.0 2.0 1.0	ug/l " " " " " " " " " 88.8	1 " " " " " " " " " " " " " " " " " " "	11 11 11 11 11	"" "" "" "" "" "" "" "" "" "" "" "" ""	" " " " " " " " " " " " "	11 11 11 11 11 11 11 11 11	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number:EM5009CReported:Rancho Cordova CA, 95742Project Manager:Michael Schenone12/11/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (T601676-11) Water	Sampled: 12/05/06 11:17	Received: 1	2/07/06	10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	39	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		102 %	88.8	3-117	"	"	"	"	
Surrogate: 4-Bromofluorobenz	ene	89.2 %	83.5	5-119	"	"	"	"	
Surrogate: Dibromofluorometh	ane	115 %	78. <i>6</i>	5-135	"	"	"	"	
MW-10s (T601676-12) Water	Sampled: 12/05/06 11:5	2 Received	: 12/07/0	6 10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
			"	"	"	"	"	m .	
Tert-amyl methyl ether	ND	2.0	"						
-	ND ND	2.0 10	"	"	"	"	"	"	
Tert-amyl methyl ether					"	"	"	"	
Tert-amyl methyl ether Tert-butyl alcohol	ND	10	"	"					
Tert-amyl methyl ether Tert-butyl alcohol Di-isopropyl ether	ND ND	10 2.0	"	"	"	"	"	"	
Tert-amyl methyl ether Tert-butyl alcohol Di-isopropyl ether Ethyl tert-butyl ether	ND ND ND	10 2.0 2.0	" " "	"	"	"	"	"	
Tert-amyl methyl ether Tert-butyl alcohol Di-isopropyl ether Ethyl tert-butyl ether Methyl tert-butyl ether	ND ND ND ND	10 2.0 2.0 1.0	" " " 88.8	"	" "	" "	" "	11	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2d (T601676-13) Water S	Sampled: 12/05/06 12:39	Received:	12/07/06	10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	37	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		101 %	88.8	3-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	e	88.5 %	83.5	-119	"	"	"	"	
Surrogate: Dibromofluoromethan		113 %	78.6	5-135	"	"	"	"	
MW-2m (T601676-14) Water	Sampled: 12/05/06 13:09	Received:	12/07/0	6 10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	37	1.0	"	"	"	"	"	"	
						"	"		
Surrogate: Toluene-d8		105 %	88.8	R-117	"	"	"	"	
Surrogate: Toluene-d8 Surrogate: 4-Bromofluorobenzen	e	105 % 87.0 %		3-117 5-119	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number:EM5009CReported:Rancho Cordova CA, 95742Project Manager:Michael Schenone12/11/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-9s (T601676-15) Water S	Sampled: 12/05/06 13:37	Received:	12/07/06	10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	0.76	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	3-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	ie	90.0 %	83.5	-119	"	"	"	"	
Surrogate: Dibromofluoromethar		115 %	78. <i>6</i>	5-135	"	"	"	"	
MW-6s (T601676-16) Water S	Sampled: 12/05/06 14:20	Received:	12/07/06	10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	1.2	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	110	1.0	"	"	"	"	"	"	
				-		"	"		
Surrogate: Toluene-d8		103 %	88.8	R-117	"	"	"	"	
Surrogate: Toluene-d8 Surrogate: 4-Bromofluorobenzen	ne	103 % 95.0 %		3-117 5-119	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number:EM5009CReported:Rancho Cordova CA, 95742Project Manager:Michael Schenone12/11/06 16:10

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

Analyte	Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10LF (T601676-17) Water	Sampled: 12/05/06 14:49	Receive	ed: 12/07	7/06 10:30					
Benzene	0.50	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	0.56	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	1.5	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	3.7	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		103 %	88.8	3-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.8 %	83.5	5-119	"	"	"	"	
Surrogate: Dibromofluoromethane	?	106 %	78. <i>6</i>	5-135	"	"	"	"	
MW-1 (T601676-18) Water San	mpled: 12/05/06 15:24 Re	ceived: 1	2/07/06	10:30					
Benzene	1.4	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	1.5	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	B-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.0 %	83.5	5-119	"	"	"	"	
Surrogate: Dibromofluoromethane)	105 %	78. <i>6</i>	<i>5-135</i>	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

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

Analyte	I Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9LF (T601676-19) Water	Sampled: 12/05/06 16:32	Received	1: 12/07/0	06 10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	31	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		100 %	88.8	-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	е	92.2 %	83.5	-119	"	"	"	"	
Surrogate: Dibromofluoromethan	e	104 %	78.6	-135	"	"	"	"	
MW-2s (T601676-20) Water S	ampled: 12/05/06 16:44 F	Received:	12/07/06	10:30					
Benzene	ND	0.50	ug/l	1	6120703	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
		1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	38	1.0							
Methyl tert-butyl ether Surrogate: Toluene-d8	38	102 %	88.8	-117	"	"	"	"	
· · · · · · · · · · · · · · · · · · ·				-117 -119	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-11s (T601676-21) Water	Sampled: 12/06/06 09:39	Received	: 12/07/0	6 10:30					
Benzene	0.71	0.50	ug/l	1	6120704	12/07/06	12/07/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	0.64	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	0.51	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	11	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		92.5 %	88.8	3-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	e	104 %	83.5	5-119	"	"	"	"	
Surrogate: Dibromofluoromethan		108 %	78. <i>6</i>	5-135	"	"	"	"	
MW-10d (T601676-22) Water	Sampled: 12/06/06 10:06	Received	: 12/07/0	6 10:30					
Benzene	2.5	0.50	ug/l	1	6120704	12/07/06	12/07/06	EPA 8260B	
Toluene	0.96	0.50	"	"	"	"	"	"	
Ethylbenzene	28	0.50	"	"	"	"	"	"	
m,p-Xylene	4.0	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	"	"	"	"	"	"	
	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND								
Methyl tert-butyl ether Surrogate: Toluene-d8	ND	97.2 %	88.8	B-117	"	"	"	"	
		97.2 % 108 %		3-117 5-119	"	"	"	"	

SunStar Laboratories, Inc.

11280 Trade Center Drive Project Number: EM5009C Reported:
Rancho Cordova CA, 95742 Project Manager: Michael Schenone 12/11/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11d (T601676-23) Water Sa	mpled: 12/06/06 10:45	Received	: 12/07/0	6 10:30					
Benzene	15	0.50	ug/l	1	6120704	12/07/06	12/07/06	EPA 8260B	
Toluene	23	0.50	"	"	"	"	"	"	
Ethylbenzene	29	0.50	"	"	"	"	"	"	
m,p-Xylene	52	1.0	"	"	"	"	"	"	
o-Xylene	49	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	19	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		88.2 %	88.8	-117	"	"	"	"	S-GC
Surrogate: 4-Bromofluorobenzene		86.5 %	83.5	-119	"	"	"	"	
Surrogate: Dibromofluoromethane		103 %	78.6	-135	"	"	"	"	
MW-9d (T601676-24) Water San	npled: 12/06/06 11:20	Received:	12/07/06	10:30					
Benzene	1800	2.5	ug/l	5	6120704	12/07/06	12/08/06	EPA 8260B	
Benzene Toluene	1800 6700	2.5 25	ug/l	5 50	6120704	12/07/06	12/08/06 12/08/06	EPA 8260B	
			_						
Toluene	6700	25	"	50	"	"	12/08/06	"	
Toluene Ethylbenzene	6700 3400	25 25	"	50	"	"	12/08/06	"	
Toluene Ethylbenzene m,p-Xylene	6700 3400 4400	25 25 5.0	"	50 " 5	"	"	12/08/06 " 12/08/06	" "	
Toluene Ethylbenzene m,p-Xylene o-Xylene	6700 3400 4400 3000	25 25 5.0 25	" "	50 " 5 50	" "	" "	12/08/06 " 12/08/06 12/08/06	11 11 11	
Toluene Ethylbenzene m,p-Xylene o-Xylene Tert-amyl methyl ether	6700 3400 4400 3000 ND	25 25 5.0 25 2.0	" "	50 " 5 50 1	" " " " " " " " " " " " " " " " " " " "	" " " "	12/08/06 " 12/08/06 12/08/06 12/07/06	11 11 11	
Toluene Ethylbenzene m,p-Xylene o-Xylene Tert-amyl methyl ether Tert-butyl alcohol	6700 3400 4400 3000 ND ND	25 25 5.0 25 2.0 10	" " " " " " " " " " " " " " " " " " " "	50 " 5 50 1	" " " " " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " " " " "	12/08/06 " 12/08/06 12/08/06 12/07/06	11 11 11 11	
Toluene Ethylbenzene m,p-Xylene o-Xylene Tert-amyl methyl ether Tert-butyl alcohol Di-isopropyl ether	6700 3400 4400 3000 ND ND ND	25 25 5.0 25 2.0 10 2.0	" " " " " " " " " " " " " " " " " " " "	50 " 5 50 1 "	"" "" "" "" "" "" "" "" "" "" "" "" ""	" " " " " " " " " " " " " " " " " " " "	12/08/06 " 12/08/06 12/08/06 12/07/06 "	11 11 11 11	
Toluene Ethylbenzene m,p-Xylene o-Xylene Tert-amyl methyl ether Tert-butyl alcohol Di-isopropyl ether Ethyl tert-butyl ether	6700 3400 4400 3000 ND ND ND ND	25 25 5.0 25 2.0 10 2.0 2.0	" " " " " " " " " " " " " " " " " " " "	50 " 5 50 1 "	11 11 11 11 11	"" "" "" "" "" "" "" "" "" "" "" "" ""	12/08/06 " 12/08/06 12/08/06 12/07/06 "	11 11 11 11 11	
Toluene Ethylbenzene m,p-Xylene o-Xylene Tert-amyl methyl ether Tert-butyl alcohol Di-isopropyl ether Ethyl tert-butyl ether Methyl tert-butyl ether	6700 3400 4400 3000 ND ND ND ND	25 25 5.0 25 2.0 10 2.0 2.0 1.0	88.8	50 " 5 50 1 "	11 11 11 11 11	"" "" "" "" "" "" "" "" "" "" "" "" ""	12/08/06 " 12/08/06 12/08/06 12/07/06 "	11 11 11 11 11 11 11 11	

SunStar Laboratories, Inc.

11280 Trade Center Drive Project Number: EM5009C Reported:
Rancho Cordova CA, 95742 Project Manager: Michael Schenone 12/11/06 16:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7d (T601676-25) Water S	Sampled: 12/06/06 12:05	Received:	12/07/06	10:30					
Benzene	160	0.50	ug/l	1	6120704	12/07/06	12/07/06	EPA 8260B	
Toluene	1300	2.5	"	5	"	"	12/08/06	"	
Ethylbenzene	3900	25	"	50	"	"	12/08/06	"	
m,p-Xylene	4300	5.0	"	5	"	"	12/08/06	"	
o-Xylene	1500	2.5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	1	"	"	12/07/06	"	
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		94.2 %	88.8	3-117	"	"	"	"	
Surrogate: 4-Bromofluorobenzen	e	108 %	83.5	-119	"	"	12/08/06	"	
Surrogate: Dibromofluoromethan		83.5 %	78. <i>6</i>	5-135	"	"	12/07/06	"	
MW-6d (T601676-26) Water S	Sampled: 12/06/06 12:32	Received:	12/07/06	10:30					
Benzene	0.98	0.50	ug/l	1	6120704	12/07/06	12/07/06	EPA 8260B	
Toluene	8.1	0.50	"	"	"	"	"	"	
Ethylbenzene	16	0.50	"	"	"	"	"	"	
m,p-Xylene	31	1.0	"	"	"	"	"	"	
o-Xylene	7.8	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	59	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		95.5 %	88.8	3-117	"	"	"	"	
9					"	"	"		
Surrogate: 4-Bromofluorobenzen	e	105 %	83.5	-119	"	"	"	"	

SunStar Laboratories, Inc.

Tait -- Rancho Cordova 11280 Trade Center Drive Rancho Cordova CA, 95742 Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/11/06 16:10

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6120705 - EPA 5030 GC										
Blank (6120705-BLK1)				Prepared	& Analyz	ed: 12/07/0	6			
C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	47.6		"	50.0		95.2	65-135			
LCS (6120705-BS1)				Prepared:	12/07/06	Analyzed:	12/08/06			
C6-C12 (GRO)	8710	50	ug/l	11000		79.2	75-125			
Surrogate: 4-Bromofluorobenzene	54.8		"	50.0		110	65-135			
Matrix Spike (6120705-MS1)	So	urce: T60167	6-04	Prepared:	12/07/06	Analyzed:	12/08/06			
C6-C12 (GRO)	8850	50	ug/l	11000	ND	80.5	65-135			
Surrogate: 4-Bromofluorobenzene	55.8		"	50.0		112	65-135			
Matrix Spike Dup (6120705-MSD1)	So	urce: T60167	6-04	Prepared:	12/07/06	Analyzed:	12/08/06			
C6-C12 (GRO)	9350	50	ug/l	11000	ND	85.0	65-135	5.49	20	
Surrogate: 4-Bromofluorobenzene	48.9		"	50.0		97.8	65-135			
Batch 6120706 - EPA 5030 GC										
Blank (6120706-BLK1)				Prepared:	12/07/06	Analyzed:	12/08/06			
C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	50.2		"	50.0		100	65-135			
LCS (6120706-BS1)				Prepared:	12/07/06	Analyzed:	12/08/06			
C6-C12 (GRO)	9870	50	ug/l	11000		89.7	75-125			
Surrogate: 4-Bromofluorobenzene	53.8		"	50.0		108	65-135			
Matrix Spike (6120706-MS1)	So	urce: T60167	6-21	Prepared:	12/07/06	Analyzed:	12/08/06			
C6-C12 (GRO)	9460	50	ug/l	11000	130	84.8	65-135			
Surrogate: 4-Bromofluorobenzene	53.7		"	50.0		107	65-135			

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

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

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

Batch 6120706 - EPA 5030 GC

Matrix Spike Dup (6120706-MSD1)	Source	e: T60167	6-21	Prepared:	12/07/06	Analyze	d: 12/08/06			
C6-C12 (GRO)	9600	50	ug/l	11000	130	86.1	65-135	1.47	20	
Surrogate: 4-Bromofluorobenzene	56.0		"	50.0		112	65-135			

SunStar Laboratories, Inc.

Tait -- Rancho Cordova 11280 Trade Center Drive Rancho Cordova CA, 95742 Project: Mission Valley Rock

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/11/06 16:10

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 6120707 - EPA 3510C GC										
Blank (6120707-BLK1)				Prepared:	12/07/06	Analyzed:	12/08/06			
Diesel Range Hydrocarbons	ND	0.050	mg/l							
Surrogate: Chrysene	4.31		"	4.00		108	65-135			
LCS (6120707-BS1)				Prepared:	12/07/06	Analyzed:	12/08/06			
Diesel Range Hydrocarbons	19.8	0.050	mg/l	20.0		99.0	75-125			
Surrogate: Chrysene	3.93		"	4.00		98.2	65-135			
Matrix Spike (6120707-MS1)	So	urce: T60167	6-01	Prepared:	12/07/06	Analyzed:	12/08/06			
Diesel Range Hydrocarbons	21.8	0.050	mg/l	20.0	ND	109	75-125			
Surrogate: Chrysene	4.37		"	4.00		109	65-135			
Matrix Spike Dup (6120707-MSD1)	So	urce: T60167	6-01	Prepared:	12/07/06	Analyzed:	12/08/06			
Diesel Range Hydrocarbons	22.1	0.050	mg/l	20.0	ND	110	75-125	1.37	20	
Surrogate: Chrysene	4.67		"	4.00		117	65-135			
Batch 6120708 - EPA 3510C GC										
Blank (6120708-BLK1)				Prepared:	12/07/06	Analyzed:	12/08/06			
Diesel Range Hydrocarbons	ND	0.050	mg/l							
Surrogate: Chrysene	4.20		"	4.00		105	65-135			
LCS (6120708-BS1)				Prepared:	12/07/06	Analyzed:	12/08/06			
Diesel Range Hydrocarbons	22.7	0.050	mg/l	20.0		114	75-125			
Surrogate: Chrysene	4.33		"	4.00		108	65-135			
Matrix Spike (6120708-MS1)	So	urce: T60167	6-21	Prepared:	12/07/06	Analyzed:	12/08/06			
Diesel Range Hydrocarbons	22.7	0.050	mg/l	20.0	1.7	105	75-125			
Surrogate: Chrysene	4.40		"	4.00		110	65-135			

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

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

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

Batch 6120708 - EPA 3510C GC

Matrix Spike Dup (6120708-MSD1)	Sour	ce: T60167	6-21	Prepared:	12/07/06	Analyze	d: 12/08/06	!		
Diesel Range Hydrocarbons	19.0	0.050	mg/l	20.0	1.7	86.5	75-125	17.7	20	
Surrogate: Chrysene	3.31		"	4.00		82.8	65-135			

SunStar Laboratories, Inc.

Tait -- Rancho Cordova 11280 Trade Center Drive Project: Mission Valley Rock

Rancho Cordova CA, 95742

Project Number: EM5009C Project Manager: Michael Schenone **Reported:** 12/11/06 16:10

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 6120703 - EPA 5030 GCMS										
Blank (6120703-BLK1)				Prepared	& Analyz	ed: 12/07/	06			
Benzene	ND	0.50	ug/l		-					
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate: Toluene-d8	40.1		"	40.0		100	88.8-117			
Surrogate: 4-Bromofluorobenzene	36.6		"	40.0		91.5	83.5-119			
Surrogate: Dibromofluoromethane	46.6		"	40.0		116	78.6-135			
LCS (6120703-BS1)				Prepared	& Analyz	ed: 12/07/	06			
Benzene	104	0.50	ug/l	100		104	75-125			
Toluene	98.9	0.50	"	100		98.9	75-125			
Surrogate: Toluene-d8	40.3		"	40.0		101	88.8-117			
Surrogate: 4-Bromofluorobenzene	36.7		"	40.0		91.8	83.5-119			
Surrogate: Dibromofluoromethane	44.1		"	40.0		110	78.6-135			
Matrix Spike (6120703-MS1)	So	urce: T60167	6-04	Prepared	& Analyz	ed: 12/07/	06			
Benzene	102	0.50	ug/l	100	ND	102	75-125			
Toluene	99.6	0.50	"	100	ND	99.6	75-125			
Surrogate: Toluene-d8	40.3		"	40.0		101	88.8-117			
Surrogate: 4-Bromofluorobenzene	36.2		"	40.0		90.5	83.5-119			
Surrogate: Dibromofluoromethane	43.4		"	40.0		108	78.6-135			

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

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

Augheta	D	Reporting	Units	Spike	Source	0/DEC	%REC	RPD	RPD	Matin
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	KPD	Limit	Notes
Batch 6120703 - EPA 5030 GCMS										
Matrix Spike Dup (6120703-MSD1)	Sou	rce: T60167	6-04	Prepared	& Analyze	ed: 12/07/	06			
Benzene	104	0.50	ug/l	100	ND	104	75-125	1.94	20	
Toluene	99.4	0.50	"	100	ND	99.4	75-125	0.201	20	
Surrogate: Toluene-d8	40.2		"	40.0		100	88.8-117			
Surrogate: 4-Bromofluorobenzene	36.1		"	40.0		90.2	83.5-119			
Surrogate: Dibromofluoromethane	44.1		"	40.0		110	78.6-135			
Batch 6120704 - EPA 5030 GCMS										
Blank (6120704-BLK1)				Prepared	& Analyze	ed: 12/07/	06			
Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate: Toluene-d8	36.3		"	40.0		90.8	88.8-117			
Surrogate: 4-Bromofluorobenzene	44.4		"	40.0		111	83.5-119			
Surrogate: Dibromofluoromethane	42.8		"	40.0		107	78.6-135			
LCS (6120704-BS1)				Prepared	& Analyze	ed: 12/07/	06			
Benzene	96.0	0.50	ug/l	100		96.0	75-125			
Toluene	94.8	0.50	"	100		94.8	75-125			
Surrogate: Toluene-d8	40.1		"	40.0		100	88.8-117			
Surrogate: 4-Bromofluorobenzene	44.8		"	40.0		112	83.5-119			
Surrogate: Dibromofluoromethane	34.9		"	40.0		87.2	78.6-135			

SunStar Laboratories, Inc.

11280 Trade Center DriveProject Number:EM5009CReported:Rancho Cordova CA, 95742Project Manager:Michael Schenone12/11/06 16:10

Reporting

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

Spike

Source

%REC

RPD

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6120704 - EPA 5030 GCMS										
Matrix Spike (6120704-MS1)	Sour	rce: T60167	6-21	Prepared	& Analyz	ed: 12/07/	06			
Benzene	111	0.50	ug/l	100	0.71	110	75-125			
Toluene	107	0.50	"	100	ND	107	75-125			
Surrogate: Toluene-d8	41.5		"	40.0		104	88.8-117			
Surrogate: 4-Bromofluorobenzene	44.4		"	40.0		111	83.5-119			
Surrogate: Dibromofluoromethane	38.0		"	40.0		95.0	78.6-135			
Matrix Spike Dup (6120704-MSD1)	Sour	rce: T60167	6-21	Prepared	& Analyz	ed: 12/07/	06			
Benzene	113	0.50	ug/l	100	0.71	112	75-125	1.79	20	
Toluene	108	0.50	"	100	ND	108	75-125	0.930	20	
Surrogate: Toluene-d8	41.4		"	40.0		104	88.8-117			
Surrogate: 4-Bromofluorobenzene	43.7		"	40.0		109	83.5-119			
Surrogate: Dibromofluoromethane	38.8		"	40.0		97.0	78.6-135			

SunStar Laboratories, Inc.

Tait -- Rancho CordovaProject: Mission Valley Rock11280 Trade Center DriveProject Number: EM5009CReported:Rancho Cordova CA, 95742Project Manager: Michael Schenone12/11/06 16:10

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

D-08 Results in the diesel organics range are primarily due to overlap from a gasoline range product.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

Chain of Custody Record

SunStar Laboratories, Inc. 3002 Dow Ave., Ste. 212 Tustin, CA 92780 1-800-781-6777

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Chain of Custody Record

SunStar Laboratories, Inc. 3002 Dow Ave., Ste. 212 Tustin, CA 92780 1-800-781-6777

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