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Alameda County
Environmental Health

January 31, 2008

Rita and Tony Sullins
Don Sul Inc.
187 North L Street
Livermore, CA 94550

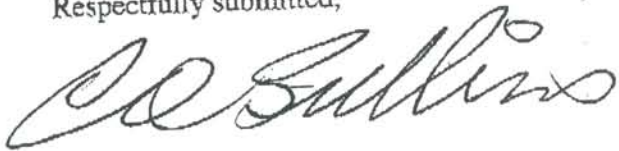
Re: Transmittal Letter
Site Location: Arrow Rentals
187 North L Street, Livermore, CA 94550

Dear Mr. Wickham:

On behalf of Rita and Tony Sullins, Don Sul Inc., Geological Technics Inc. (GTI) prepared the Semiannual Groundwater Monitoring, December of 2007, dated January 31, 2008 that was sent to your office via electronic delivery per Alameda County's guidelines on February 1, 2008.

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

Respectfully submitted,



Rita / Tony Sullins
Property Owner
Don Sul Inc.
187 North L Street
Livermore, CA 94550

Geological Technics Inc. _____

REPORT

**Semiannual Groundwater Monitoring
December 2007**

**Arrow Rentals Service
187 North L St.
Livermore, CA 94550**

**Project No. 1262.2
January 31, 2008**

**Prepared for:
Tony & Rita Sullins
Arrow Rentals Service
187 North L St.
Livermore, CA 94550**

**Prepared by:
Geological Technics Inc.
1101 7th Street
Modesto, California 95354
(209) 522-4119**

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January 31, 2008

Project No.: 1262.2
Project Name: Sullins (L St.)

Tony & Rita Sullins
Arrow Rentals Service
187 North L Street
Livermore, CA 94550

RE: Report: Semiannual Groundwater Monitoring, December 2007
Location: 187 North L Street, Livermore, CA 94550.
(ACEH Fuel Leak Case No. RO0000394)

Dear Mr. & Ms. Sullins:

Geological Technics Inc. has prepared the following Report for the 2nd Semi-annual 2007 groundwater monitoring event performed on December 19 - 20, 2007, at the 187 North L Street property in Livermore. The groundwater data for the event indicate that the plume continues to display a trend of declining concentrations. However, an elevated core of gasoline contamination persists in the location of the former USTs/piping.

GTI submitted a Final Corrective Action Plan (CAP) that includes provisions for performing dual phase extraction to treat the residual contamination at the site. The plan has received approval from ACEH and it will be implemented as soon as cost pre-approval is received from the UST Cleanup Fund.

If you have any questions, please do not hesitate to call me at (209) 522-4119.

Respectfully submitted,



Raynold I. Kablanow II, Ph.D.
Vice President

cc: Jerry Wickham - ACEH
USTCUF
Chris Davidson - City of Livermore
Jennifer Sedlecek - Exxon Mobile Corp.

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Geological Technics Inc.

1101 7th Street
Modesto, California 95354
(209) 522-4119/Fax (209) 522-4227

REPORT

Semiannual Groundwater Monitoring December 2007

**Arrow Rentals Services
187 North L St.
Livermore, CA**

Project No. 1262.2
January 31, 2008

EXECUTIVE SUMMARY

This report summarizes the results of the 2nd Semi-annual 2007 groundwater monitoring and sampling event that took place on December 19 - 20, 2007. The average shallow groundwater elevation at the site was 440.27 feet above mean sea level (msl) and the groundwater flow was S74°W at 0.033 ft/ft for this event. This represents a decrease of 7.93 feet since the April 2007 monitoring event.

The analytical results of groundwater samples show that detectable concentrations of gasoline range petroleum hydrocarbons were present in eleven of the site's twelve groundwater monitoring wells sampled for this event (down gradient well W-Es was non-detect). The contamination continues to display a declining trend in down gradient well W-3s. A persistent core remains in the vicinity of well W-1 (140,000 µg/l TPH-G) that is located adjacent to former USTs/piping trenches and is down gradient of the former UST system from which the Pitcock release originated.

GTI submitted our August 1, 2007 "Final Corrective Action Plan (CAP)" that includes provisions for performing dual phase extraction to treat the residual contamination at the site. A thirty day public comment period was completed and the plan has received approval from the ACEH. The plan will be implemented as soon as cost pre-approval is received from the UST Cleanup Fund.

1.0 GROUNDWATER MONITORING

An attempt was made to perform the 2nd semi-annual 2007 groundwater monitoring event on October 29, 2007. But a majority of the wells were not producing enough water to purge or sample and so the effort was abandoned until a later date. A second groundwater monitoring attempt was performed on December 19 - 20, 2007 to complete the semi-annual event. Grab samples were obtained from several wells on October 29, 2007 and the results of these analyses are included. These data are questionable since they may represent stagnant water in the well casings.

1.1 Hydrogeology of Site

The average groundwater elevation in the site's shallow wells was 440.27 feet above mean sea level (msl) on December 19, 2007. This corresponds to approximately 40 feet below grade surface (bgs) and represents a decrease of 7.93 feet since the April 2007 monitoring event. The depth to groundwater observed in the site's wells has ranged from approximately 20 - 45 feet below grade surface from 1989 to 2007. (See Figures 1 - 3 for site details, borehole and cross section locations.)

GTI grouped the five new CMT™ well sets installed in October 2006 and existing wells according to the aquifer interval that the screened section intercepted (see Table 3 in Appendix A for well construction details, and Figure 4 for well screen intervals):

Shallow Wells (screened 20 - 45 feet bgs):

W-1s, W-Bs, W-3s, W-Es, and either {MW-4, MW-5, MW-6, MW-7, MW-8} or {MW-105, MW-106, MW-107, MW-108} depending on groundwater elevation

Intermediate Wells (screened 40 - 60 feet bgs):

W-A, W-B, W-C, W-D, W-E, MW-104, MW-205, MW-206, MW-207, MW-208

Deep Wells (screened ~ 65 feet bgs):

MW-204, MW-305, MW-306, MW-307, MW-308

Deepest Wells (screened > 70 feet bgs):

MW-304, MW-404

The groundwater elevation data are summarized in Tables 1A, 1B and 1C, Appendix A, for the shallow, intermediate and deep aquifer levels, respectively.

Horizontal Groundwater Gradients:

The calculated gradients for the December 19, 2007 monitoring event are as follows:

<u>Aquifer Zone:</u>	<u>Gradient:</u>	<u>Bearing:</u>
Water table	0.033 ft/ft	S74°W
Intermediate	0.04 ft/ft	N76°W
Deep	0.18 ft/ft	S39°W

Figures 5A through 5C illustrate the three aquifer groundwater gradient maps for the December 19, 2007 monitoring event.

Vertical Groundwater Gradients:

GTI calculated vertical gradients for the MW-204/304, MW-304/404 and MW-207/307 well pairs for the December 19, 2007 sounding event.

The following procedure is used to calculate vertical groundwater gradients in wells with submerged screens:

- Determine the vertical distance between the two measuring devices (wells) by calculating the distance between the mid-point between the screen top and bottom in the deep well (MW-304) and the mid-point between the screen top and bottom in the shallower well (MW-204).
- Measure the head in both wells used in the calculations.
- If the lateral distance between the well pair is greater than a few feet, then calculations must be made to correct the down-gradient piezometric head to account for the sloping water table between the wells. This is not necessary in this case because the wells are adjacent to each other in the CMT™ well sets.
- Divide the difference in head by the difference in vertical distance in the measuring devices to obtain the vertical gradient.

Figure 3 shows the location of the well pairs used for calculating vertical groundwater gradient in this report: MW-204/304, MW-304/404 and MW-207/307. Table 2 in Appendix A shows the calculated vertical gradients.

For the December 19, 2007 event:

- The vertical gradient for the MW-204/304 pair was negative (or downward) at 0.03 ft/ft.
- The vertical gradient for the MW-304/404 pair was positive (or upward) at 0.01 ft/ft.
- The vertical gradient for the MW-207/307 pair was positive (or upward) at 0.05 ft/ft.

In their January 16, 2007 letter correspondence Alameda County Environmental Health (ACEH) staff directed that groundwater elevation data for deep wells MW-304 & MW-404 be included in future reports. This data has been added in two columns on the far right of Table 1C, Appendix A. Vertical gradients could not be calculated in the MW-5/105/205/305 CMT™ well set because the chambers were dry.

1.2 Groundwater Sampling Procedure

On December 19 - 20, 2007 Geological Technics Inc. (GTI) staff mobilized to the site to conduct sounding and sampling of the site's monitoring wells. Before sampling was attempted, the wells were sounded for depth to water and groundwater levels recorded with exceptions as noted. The non-CMT™ wells were purged of at least three well volumes of stagnant water using a dedicated Waterra check-ball. Purging continued until the temperature, conductivity, and pH of the groundwater stabilized (<10% variation in three consecutive readings), indicating that formation water representative of aquifer conditions was entering the wells.

Once purging was complete, water samples were collected from the Waterra tube. Care was taken to minimize sample agitation. Once a sample container was filled and capped, the bottle was inverted, tapped and checked for headspace bubbles. The sample container was identified and labeled with a unique designation, inserted into a foam holder and placed into an ice chest cooled to 4°C for transport to the laboratory. Disposable gloves were used by the technician to collect all samples and were changed with each sample collection.

The following deviations from the sampling protocol are noted:

- *Numerous CMT™ wells' Waterra check valves were clogged with clay/silt and multiple removal and rinsing episodes were necessary to clear the tubing. Due to this situation the field technicians were directed to obtain water samples as soon as the tubing was cleared enough to produce water for sampling. In most cases only three VOAs were filled before the chambers went dry.*
- *Wells MW-104, MW-105, MW-107, MW-108, MW-205, MW-207, MW-208 and MW-305 were not sampled due to a lack of water/recharge for both days.*
- *Wells W-Bs and W-3s purged dry before three well volumes were removed.*
- *Grab water samples were obtained from wells W-Es and MW-106 that did not contain enough water to purge.*
- *Well W-1 was sampled instead of well W-1s due to a communication error.*

A chain of custody document, listing all samples collected, accompanied the samples from field to laboratory, thereby providing a means to track the movement of and insure the integrity of the samples.

All well purge water was placed in a 55 gallon DOT approved container. These drums were properly labeled and will be stored on site until their proper disposition can be arranged.

Groundwater monitoring field logs are included in Appendix C.

1.3 Laboratory Analyses

The groundwater samples collected on October 29 and December 19 - 20, 2007, were delivered to Entech Analytical Labs, Inc. of Santa Clara, California (Certification No. 2346) for analysis.

The groundwater samples were analyzed for:

- Benzene, Toluene, Ethyl Benzene and Xylene (BTEX) by EPA method 8021B
- Total Petroleum Hydrocarbons as Gasoline (TPH-G) by EPA method 8015B
- Oxygenated Fuel Compound MTBE by EPA method 8021B

The results and detection limits for the above analyses are listed in Table 4 of Appendix A while the lab analytical results are presented in Appendix B.

As required under AB2886, the depth to groundwater data was submitted to GeoTracker on January 29, 2008 – confirmation number 2500974893. Due to system problems with GeoTracker, the laboratory data has not been uploaded. GTI will continue to attempt the upload and report the confirmation number in the next semiannual monitoring report.

2.0 FINDINGS AND DISCUSSION

The results of the groundwater monitoring and sample analyses indicate the following:

October 29, 2007-

- Shallow aquifer:
 - Well MW-4 contained: 460,000 µg/l TPH-G, 24,000 µg/l benzene, 21,000 µg/l toluene, 3800 µg/l ethyl benzene and 19,000 µg/l xylene.
 - Well W-1s contained: 68000 µg/l TPH-G, 19,000 µg/l benzene, 830 µg/l toluene, 2700 µg/l ethyl benzene and 4000 µg/l xylene.
 - Well MW-106 contained: 86 µg/l TPH-G.
 - Well MW-108 contained: 310 µg/l TPH-G, 55 µg/l benzene, 3.2 µg/l toluene, 10 µg/l ethyl benzene, 14 µg/l xylene and 1.9 µg/l MTBE.
- Intermediate aquifer:
 - Well MW-104 contained: 1300 µg/l TPH-G, 210 µg/l benzene, 82 µg/l toluene, 110 µg/l ethyl benzene and 380 µg/l xylene.
 - Well W-A contained: 40000 µg/l TPH-G, 4000 µg/l benzene, 330 µg/l toluene, 1600 µg/l ethyl benzene and 3000 µg/l xylene.
- Deep aquifer:
 - Well MW-204 contained: 710 µg/l TPH-G, 18 µg/l benzene, 9.9 µg/l toluene, 11 µg/l ethyl benzene and 34 µg/l xylene.

December 19 - 20, 2007-

- Shallow aquifer:
 - Well W-3s contained: 69 µg/l TPH-G and 1.3 µg/l benzene.
 - Well W-Bs contained: 8200 µg/l TPH-G, 360 µg/l benzene and 380 µg/l ethyl benzene.
 - Well W-Es did not contain BTEX, TPH-G and MTBE contamination above the laboratory reporting limits.
 - Well MW-106 contained: 54 µg/l TPH-G and 1.0 µg/l benzene.
 - Figure 6 is a contour map indicating GTI's interpretation of the shallow TPH-G plume in December 2007. The groundwater plume is localized in the vicinity of the former USTs/piping trenches.
- Intermediate aquifer:
 - Well W-1 contained: 140,000 µg/l TPH-G, 20,000 µg/l benzene 17,000 µg/l toluene, 3000 µg/l ethyl benzene and 16,000 µg/l xylene.
 - Well MW-206 contained: 84 µg/l TPH-G and 0.71 µg/l benzene.
 - Figure 7 is a contour map indicating GTI's interpretation of the intermediate aquifer TPH-G plume in December 2007. The groundwater plume is localized in the vicinity of the former USTs/piping trenches.
- Deep aquifer:
 - Well MW-204 contained: 22,000 µg/l TPH-G, 4700 µg/l benzene, 1100 µg/l toluene, 490 µg/l ethyl benzene and 1400 µg/l xylene.
 - Well MW-306 contained: 0.54 µg/l benzene.
 - Well MW-307 contained: 1500 µg/l TPH-G, 200 µg/l benzene, 50 µg/l toluene, 59 µg/l ethyl benzene and 140 µg/l xylene.
 - Well MW-308 contained: 190 µg/l TPH-G, 25 µg/l benzene, 1.5 µg/l toluene, 7.2 µg/l ethyl benzene and 8.4 µg/l xylene.
 - Figure 8 is a contour map indicating GTI's interpretation of the deep aquifer TPH-G plume in December 2007. The groundwater plume is localized in the vicinity of the former USTs/piping trenches.
- Deepest aquifer wells:
 - Well MW-304 contained: 1500 µg/l TPH-G, 380 µg/l benzene, 43 µg/l toluene, 32 µg/l ethyl benzene and 110 µg/l xylene.
 - Well MW-404 contained: 2200 µg/l TPH-G, 160 µg/l benzene, 63 µg/l toluene, 92 µg/l ethyl benzene and 300 µg/l xylene.
 - The vertical extent of the groundwater plume in these two deepest CMT™ well chambers is illustrated in Figure 9, Cross Section A-A'.
- Figure 10 illustrates TPH-G concentration versus time in well W-1s (located in the vicinity of the core of the contaminant plume). With the exception of events in 1997 and 2001 the contaminant concentrations display a declining trend. The two peaks evident in Figure 10 suggest that significant contaminant mass is present although decades have past since the original USTs were removed. The well was not sampled for this event.

- Figure 11 illustrates TPH-G concentration versus time in well W-3s (located down/cross gradient of the core of the plume). The contaminant concentrations show a declining trend.
- Figure 12 illustrates TPH-G concentration versus time in well W-Bs (located down gradient of the core of the plume). The contaminant concentrations showed a declining trend from 1995 – 2003 but appear to have stabilized.
- The direction of groundwater flow was west-southwest as monitored in wells screened across the water table (W-Bs, W-3s and W-Es). Obtaining valid water level measurements from the CMT™ wells remains problematic due to the clayey soils at the site. The clays clog the Waterra tubing and smear on the inside of the individual chambers. With the inclusion of the water level measurements in wells W-1s and MW-106 the shallow aquifer has a depression present in the location of W-1s as shown in Figure 5A.
- The intermediate level aquifer had a west-northwesterly direction as monitored in CMT™ wells MW-206, MW-207 and MW-208. See Figure 5B.
- The deep level aquifer had a southwesterly direction as monitored in CMT™ wells MW-204, MW-306, MW-307 and MW-308. See Figure 5C.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

1. Elevated concentrations of BTEX and TPH-G are present in a laterally limited (probably less than 300 foot radius) groundwater plume that is centered in the vicinity of wells W-1 & W-1s.
2. The highest level of TPH-G detected, 140,000 ug/l, was present in intermediate depth well W-1. This well is located just down gradient of the former UST system from which the Pitcock release originated.
3. The lateral extent of the TPH-G plume is defined to the west by wells W-3s and W-Es.
4. The center of the plume has not migrated beyond the source area providing evidence that the plume is degrading as it migrates laterally by advective flow.
5. The data shows that the core of the plume is fairly stable, with concentrations decreasing very slowly by either natural biodegradation causes or by dilution effects.

Recommendations

- Maintain the current semi-annual monitoring schedule.
- Continue the process of developing and purging the CMT™ well chambers to clear them of clay residue/smear that precludes recharge and water level monitoring.
- GTI submitted our August 1, 2007 “Final Corrective Action Plan (CAP)” that includes provisions for performing dual phase extraction to treat the residual contamination at the site. The public comment period has been completed and the work plan has been

approved by the appropriate regulatory agencies. GTI recommends that the proposal be implemented as soon as cost pre-approval is received from the UST Cleanup Fund.

4.0 LIMITATIONS

This report was prepared in accordance with the generally accepted standard of care and practice in effect at the time Services were rendered. It should be recognized that definition and evaluation of environmental conditions is an inexact science and that the state or practice of environmental geology/hydrology is changing and evolving and that standards existing at the present time may change as knowledge increases and the state of the practice continues to improve. Further, that differing subsurface soil characteristics can be experienced within a small distance and therefore cannot be known in an absolute sense. All conclusions and recommendations are based on the available data and information.

The tasks proposed and completed during this project were reviewed and approved by the local regulatory agency for compliance with the law. No warranty, expressed or implied, is made.

5.0 SIGNATURES & CERTIFICATION

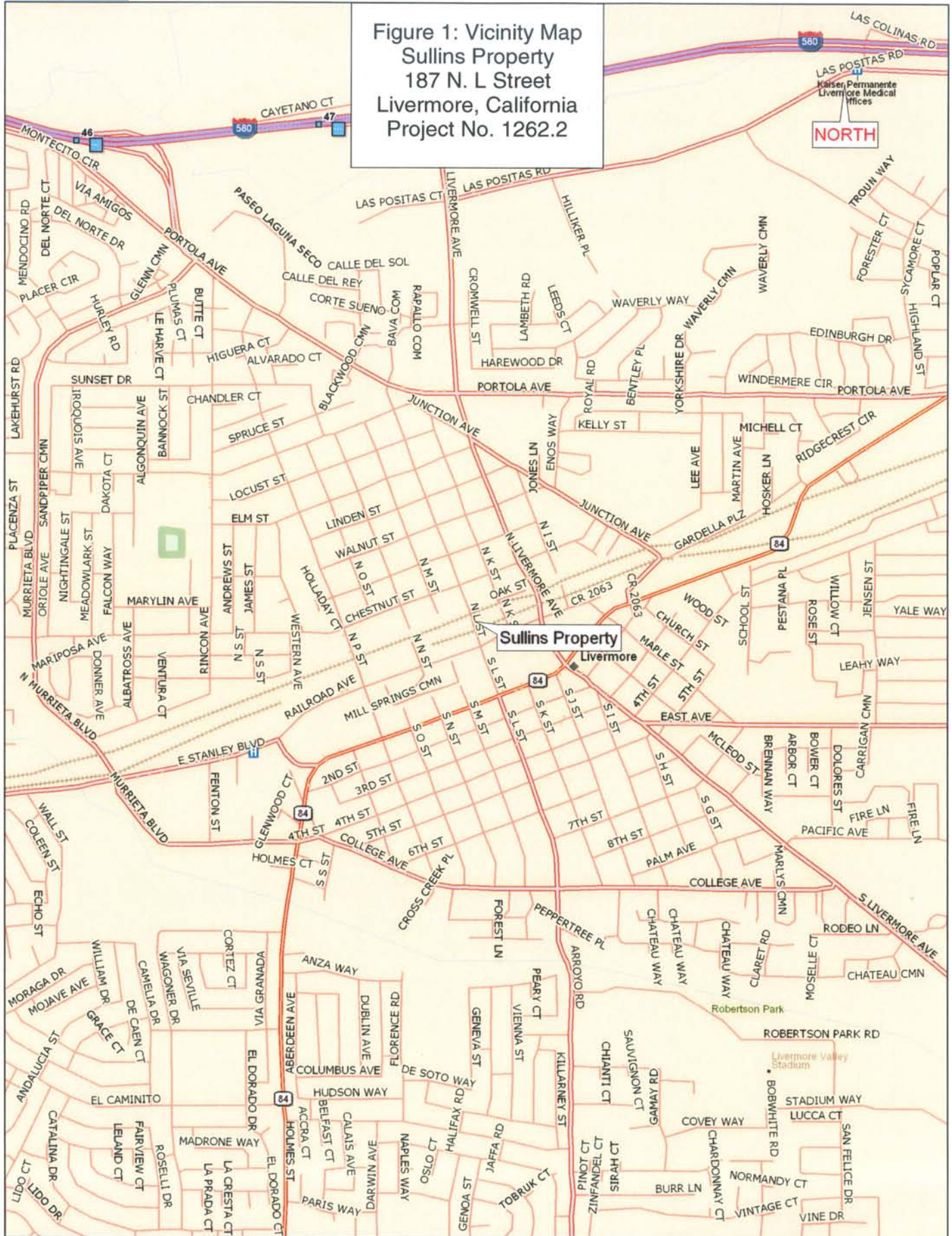
This report was prepared by:

Joseph D. Angulo
Geologist

Raynold I. Kablanow II Ph.D.
California Professional Geologist #5234
Certified Hydrogeologist #442



Figure 1: Vicinity Map
Sullins Property
187 N. L Street
Livermore, California
Project No. 1262.2



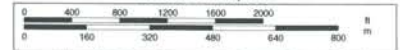
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Scale 1 : 19,200



1" = 1,600.0 ft Data Zoom 13-4

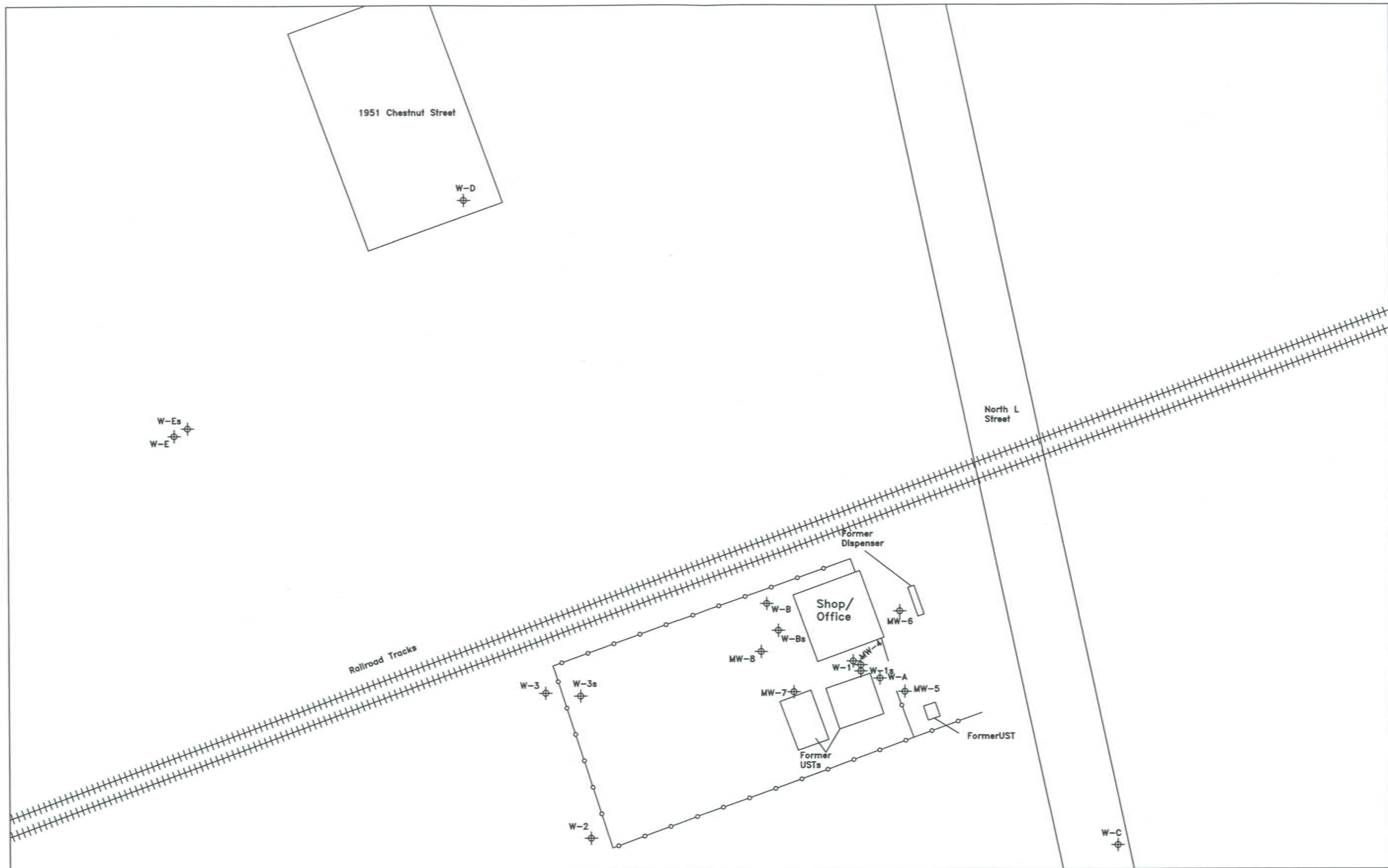
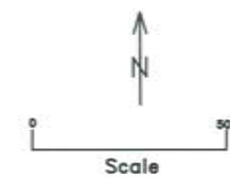


Fig 2: Site Map

Arrow Rentals
187 North L Street
Livermore, CA

Legend

- ⊕ Monitoring Well
- Soil Boring



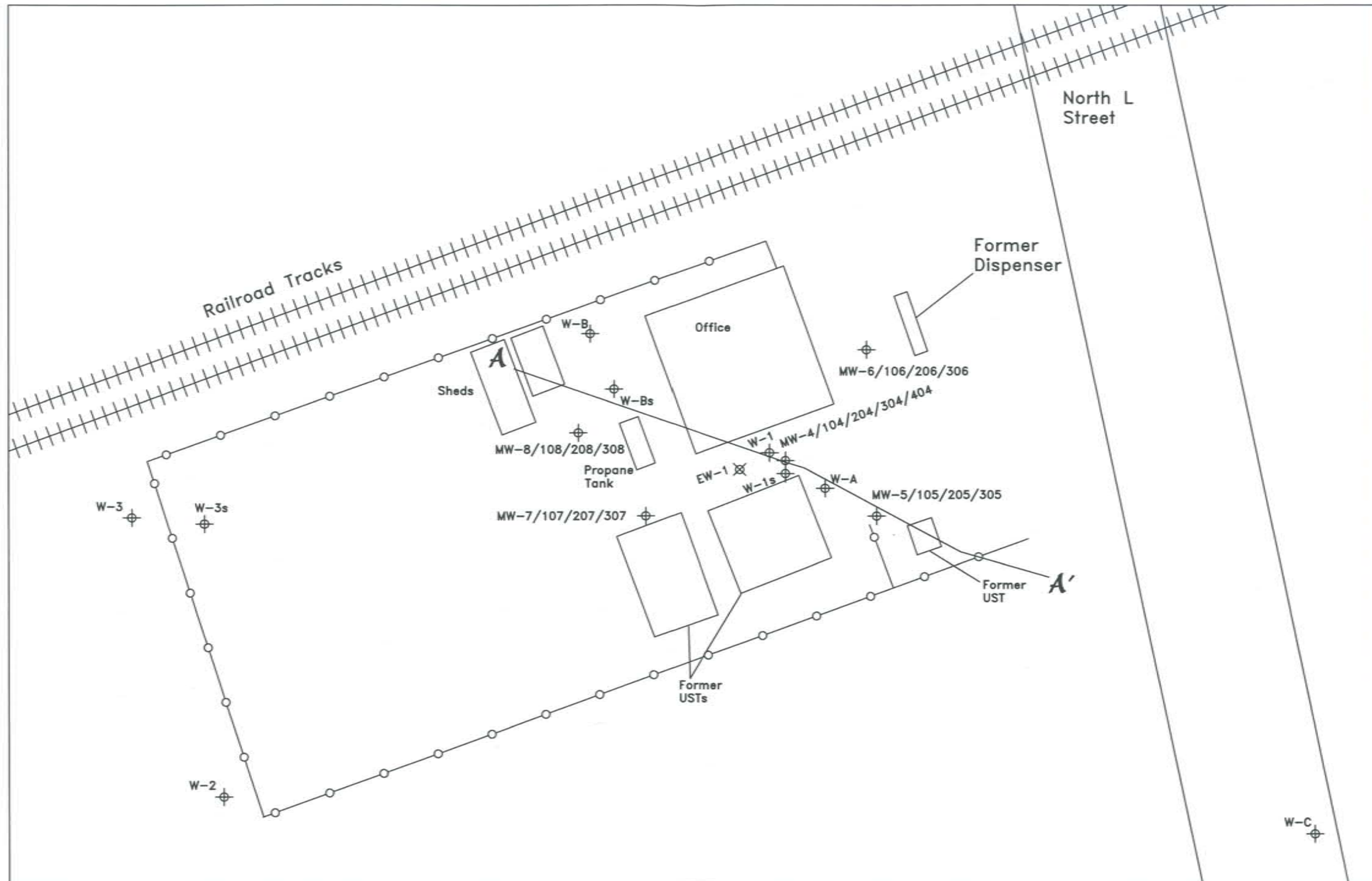


Fig 3: Site Detail Map

Arrow Rentals
187 North L Street
Livermore, CA

Geological Technics Inc.

10/31/06

Legend

- ⊕ Monitoring Well
- Soil Boring
- ⊗ Extraction Well

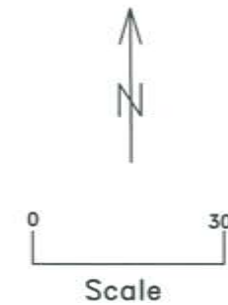
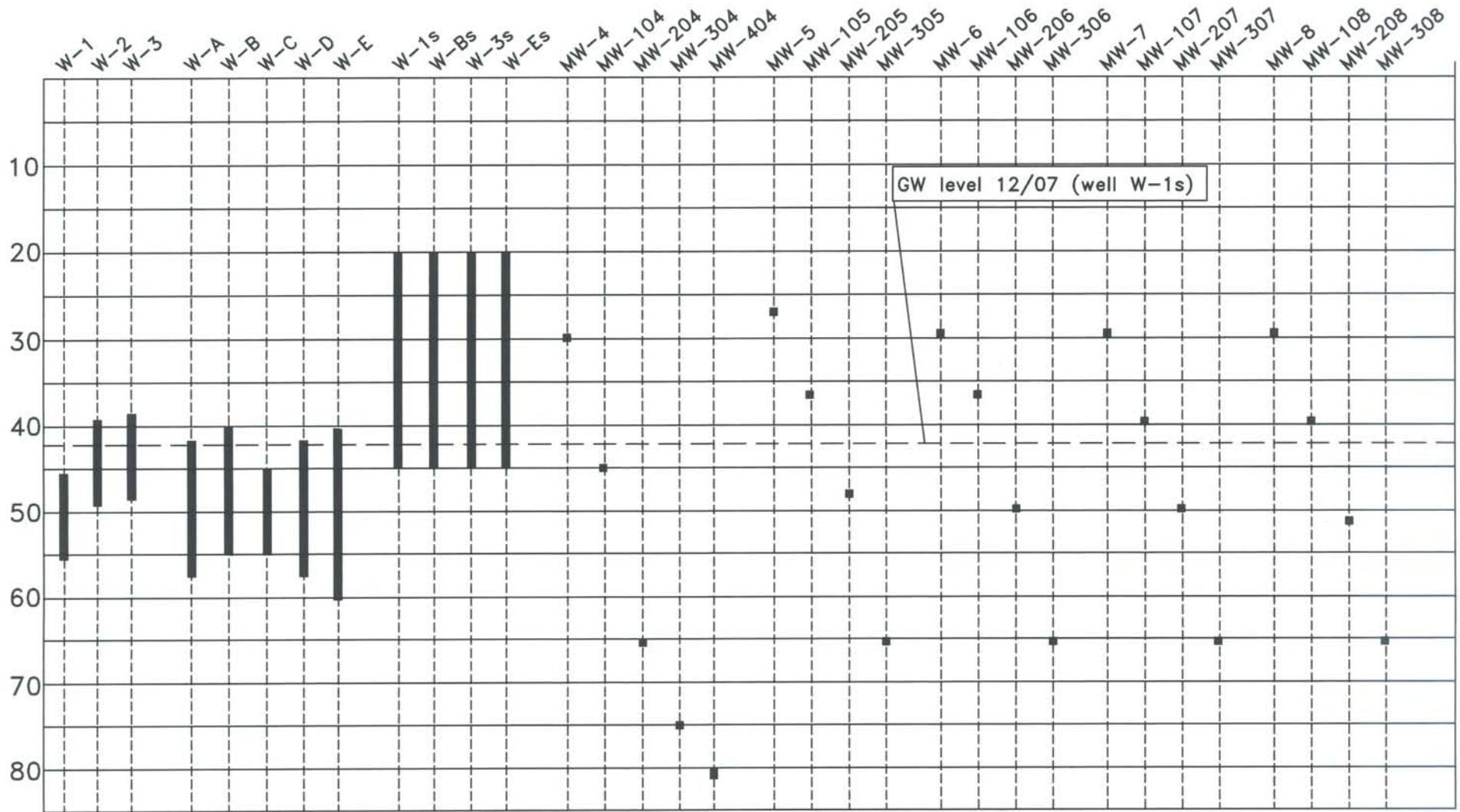
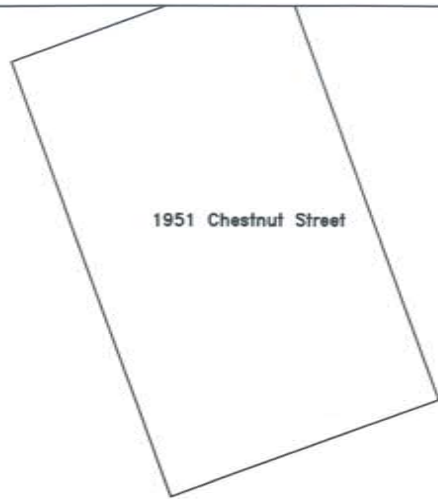


Fig 4: Well Screened Interval Diagram

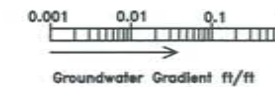
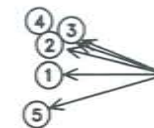


Sullins
187 North L Street
Livermore, CA

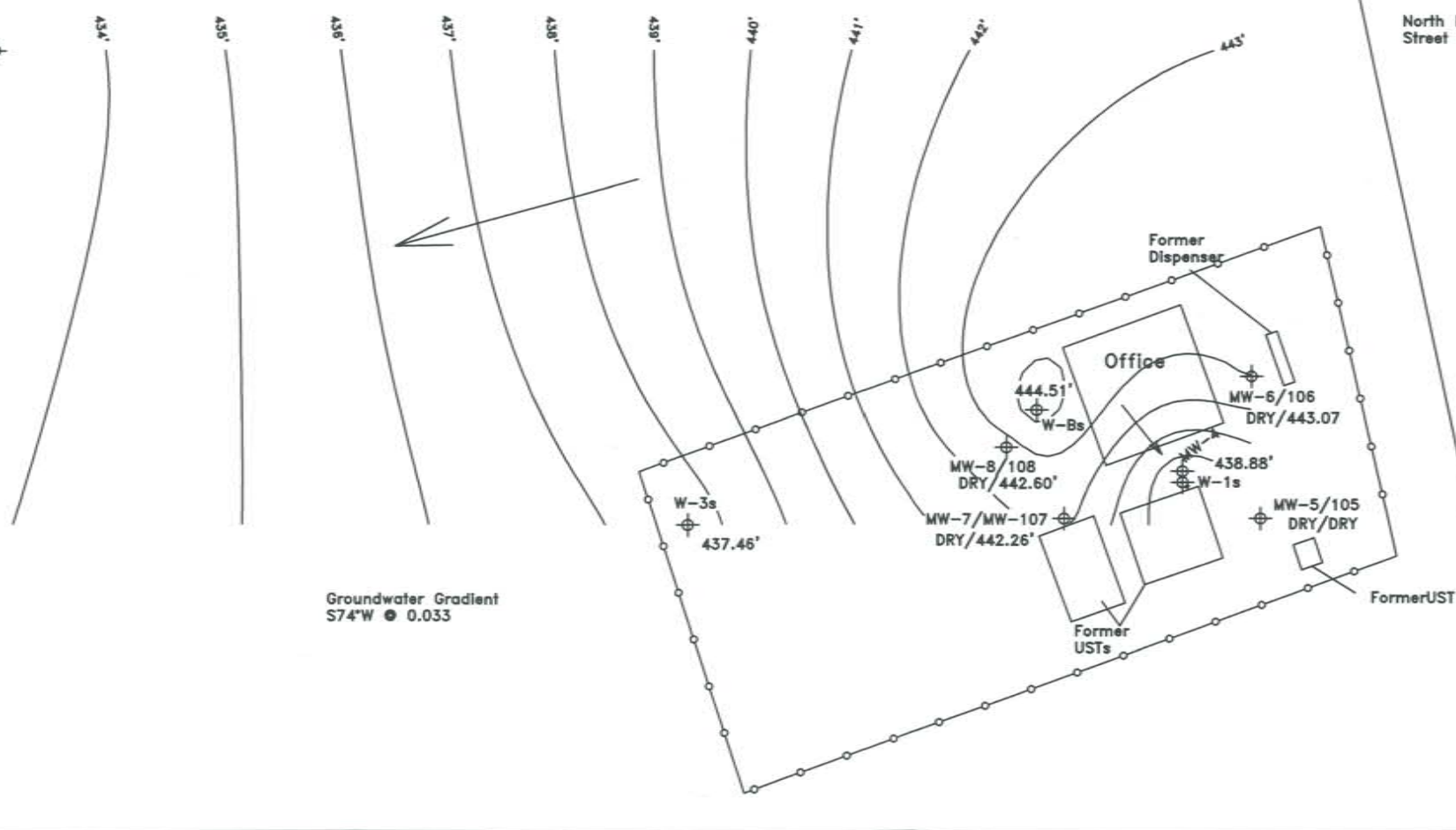


Date	Bearing	Gradient
1 04/29/04	West	0.019
2 07/07/06	N76°W	0.019
3 10/16/06	N68°W	0.014
4 04/17/07	N71°W	0.016
5 12/19/07	S74°W	0.033

Rose Diagram



433.10'
W-Es



Groundwater Gradient
S74°W @ 0.033

Fig 5A: Groundwater Gradient Map
Shallow Wells
12/19/07

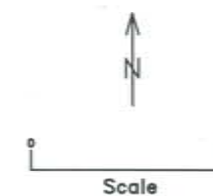
Arrow Rentals
187 North L Street
Livermore, CA

Legend

- ⊕ Monitoring Well
- Soil Boring

Gradient calculated by computer generated contours.

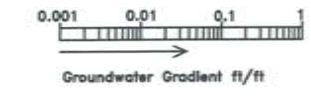
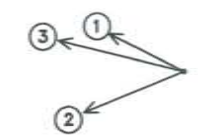
-33.66' Groundwater Elev.
Contour Interval = 1 foot





Date	Bearing	Gradient
1 10/16/06	N63°W	0.012
2 04/17/07	S68°W	0.022
3 12/19/07	N76°W	0.04

Rose Diagram



W-E

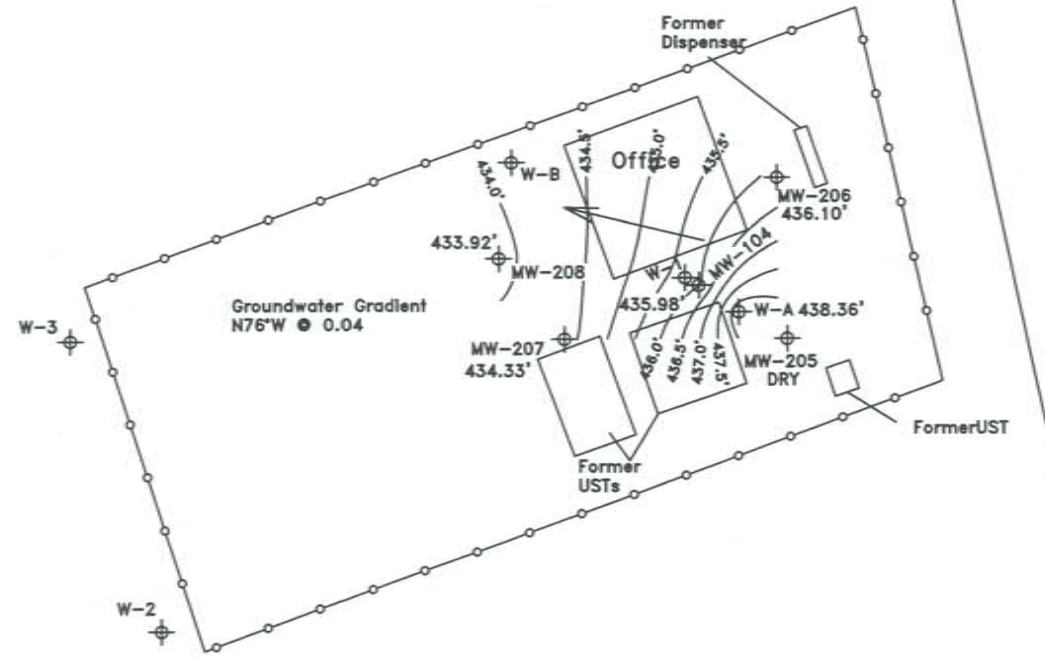


Fig 5B: Groundwater Gradient Map
Intermediate Wells
12/19/07

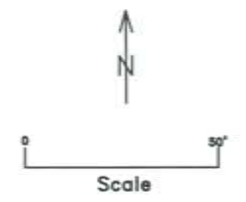
Arrow Rentals
187 North L Street
Livermore, CA

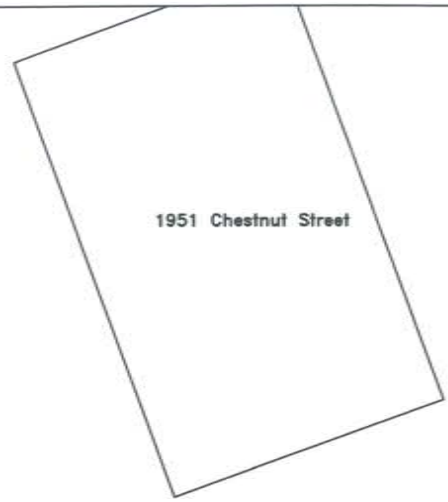
Legend

- ⊕ Monitoring Well
- Soil Boring

Gradient calculated by computer
generated contours.

-33.66' Groundwater Elev.
Contour Interval = 0.5 feet





Date	Bearing	Gradient
1 10/16/04	N78°W	0.014
2 04/17/07	undetermined	
3 12/19/07	S39°W	0.18

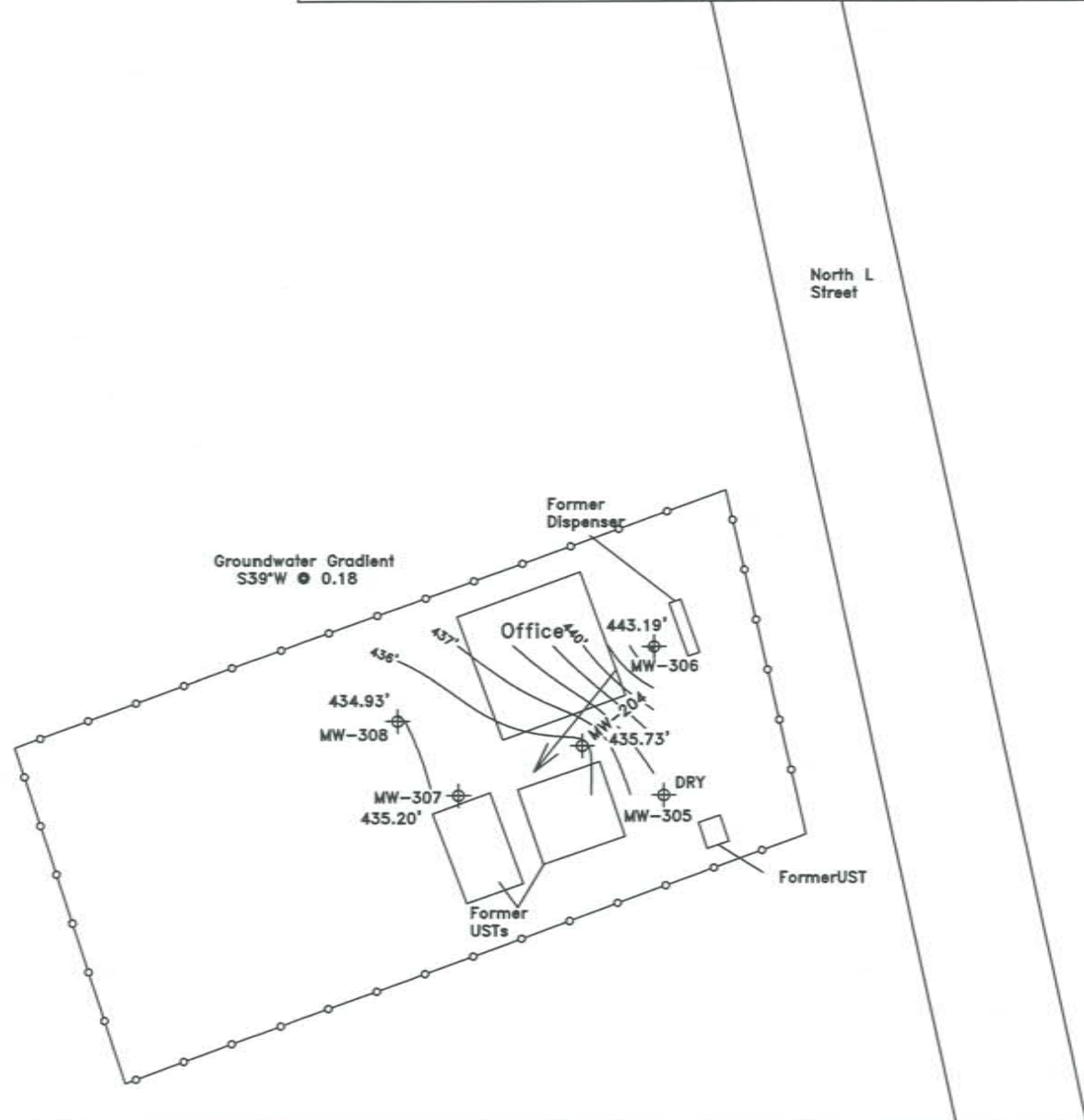
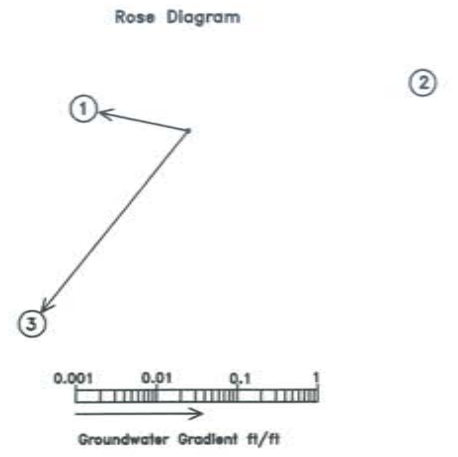


Fig 5C: Groundwater Gradient Map
Deep Wells
12/19/07

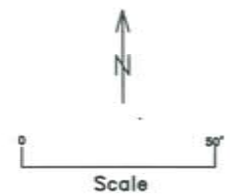
Arrow Rentals
187 North L Street
Livermore, CA

Legend

- ⊕ Monitoring Well
- Soil Boring

Gradient calculated by computer
generated contours.

-33.66' Groundwater Elev.
Contour Interval = 1 foot



1951 Chestnut Street

W-Es ND<50

North L Street

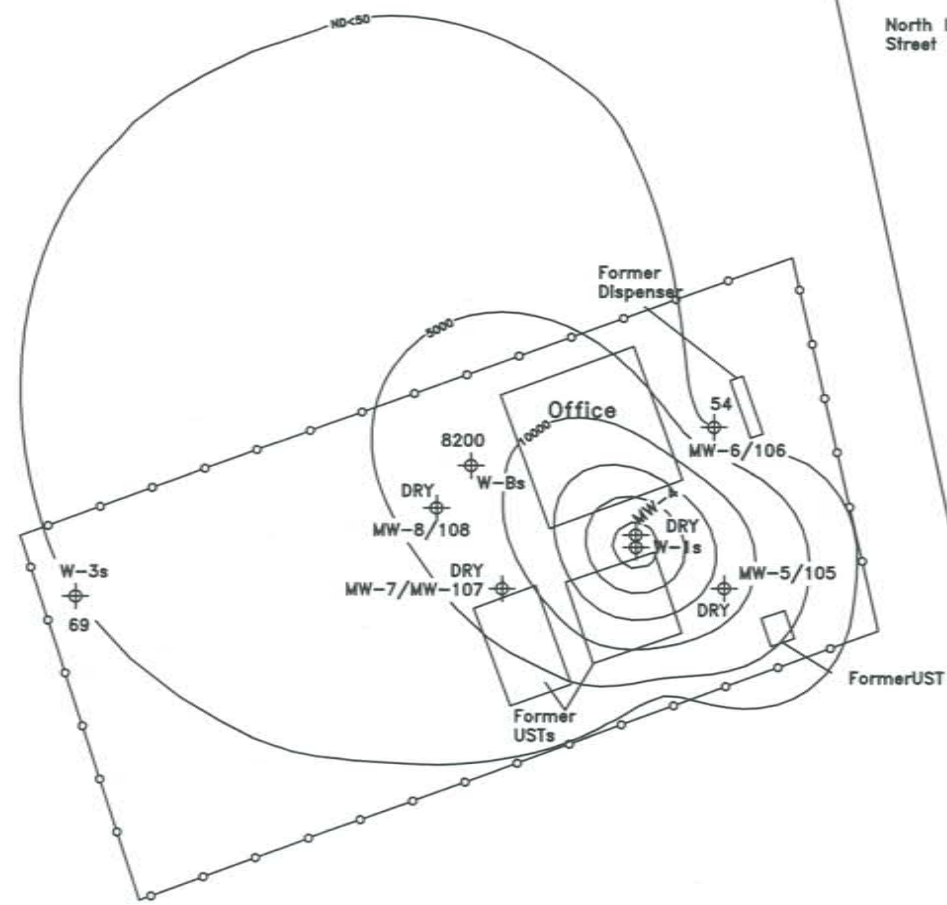


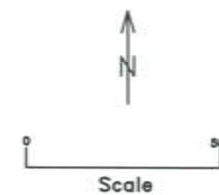
Fig 6: Shallow Well
December 2007
TPH-G Concentrations

Arrow Rentals
187 North L Street
Livermore, CA

615 = TPH-G ug/L
Contour Interval = 5000 ug/L
ND = Non-detect (<50 ug/L)

Legend

- ⊕ Monitoring Well
- Soil Boring



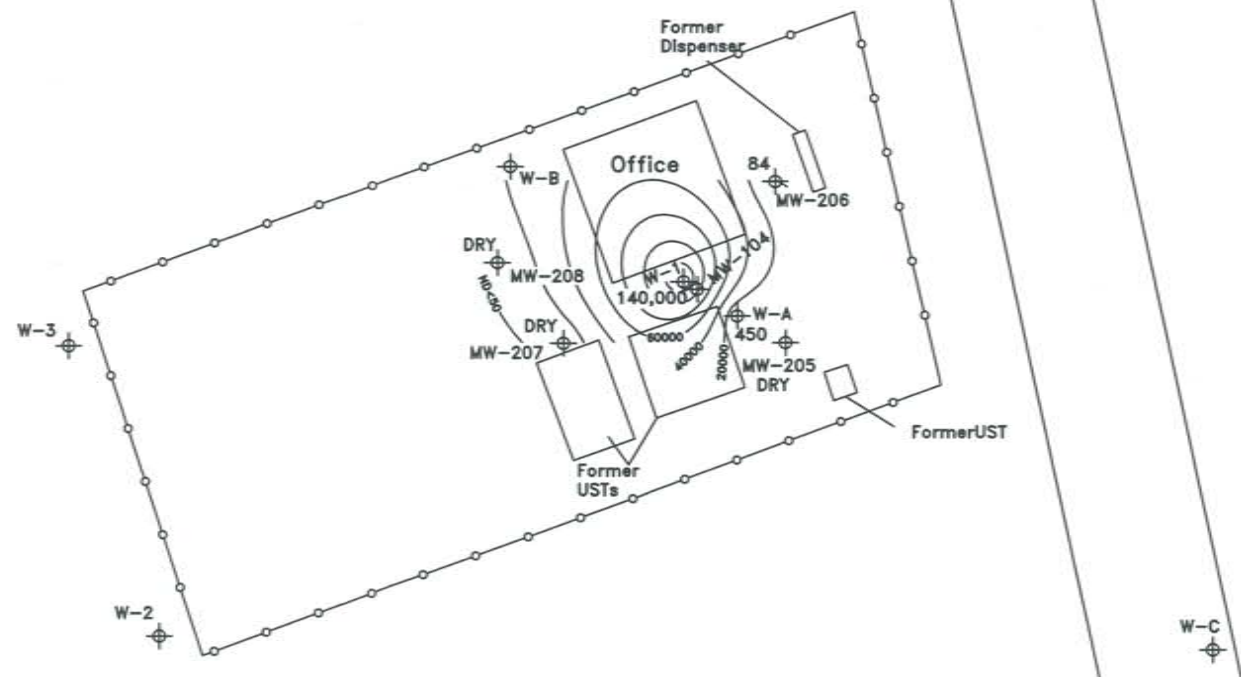
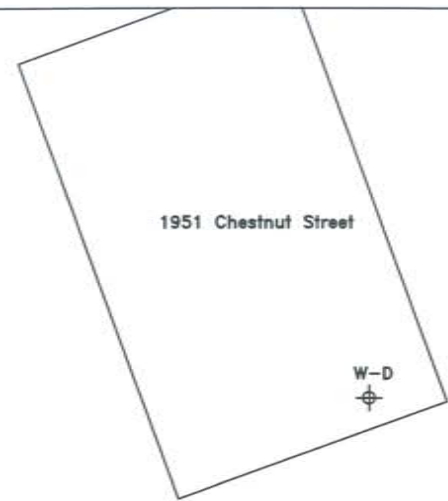


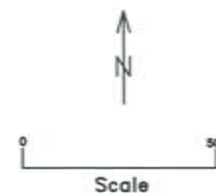
Fig 7: Int. Well
December 2007
TPH-G Concentrations

Arrow Rentals
187 North L Street
Livermore, CA

Legend

- ⊕ Monitoring Well
- Soil Boring

615 = TPH-G ug/L
Contour Interval = 20000 ug/L
ND = Non-detect (<50 ug/L)



1951 Chestnut Street

North L Street

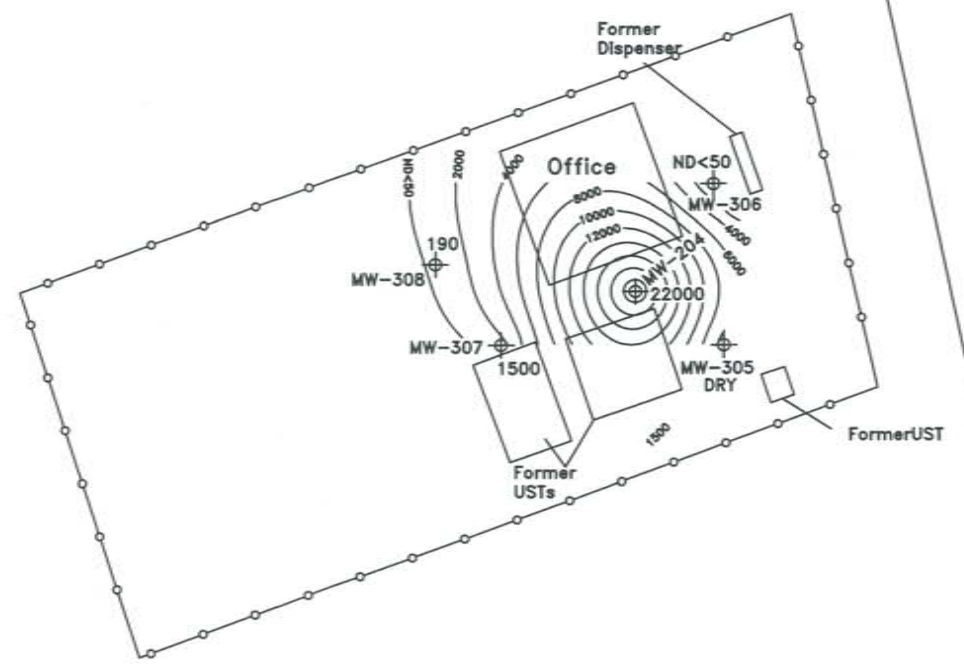


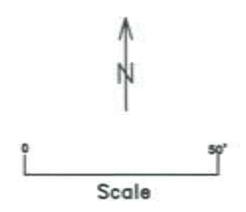
Fig 8: Deep Well
December 2007
TPH-G Concentrations

Arrow Rentals
187 North L Street
Livermore, CA

Legend

615 = TPH-G ug/L
Contour Interval = 2000 ug/L
ND = Non-detect (<0.5 ug/L)

- Monitoring Well
- Soil Boring



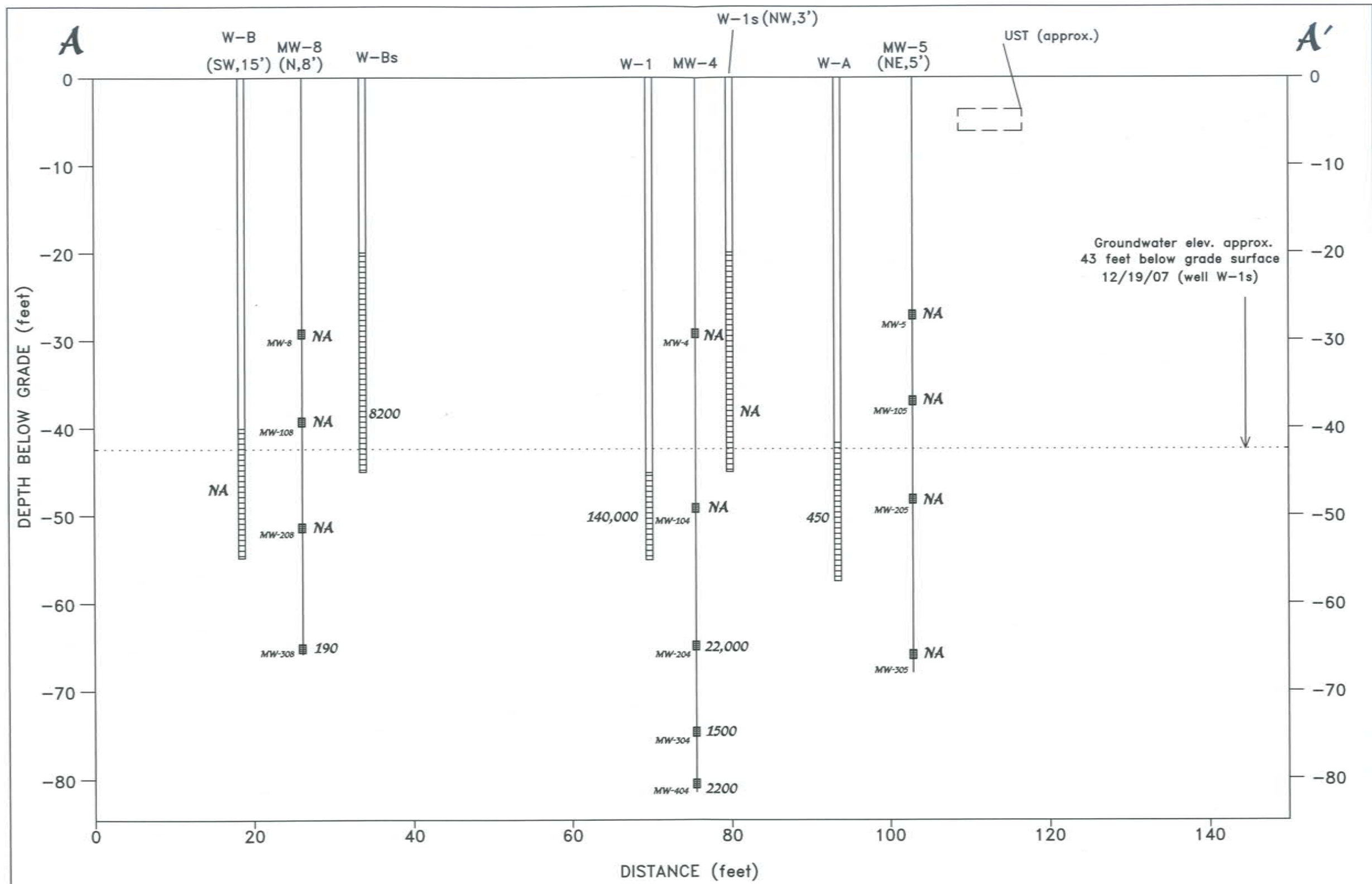


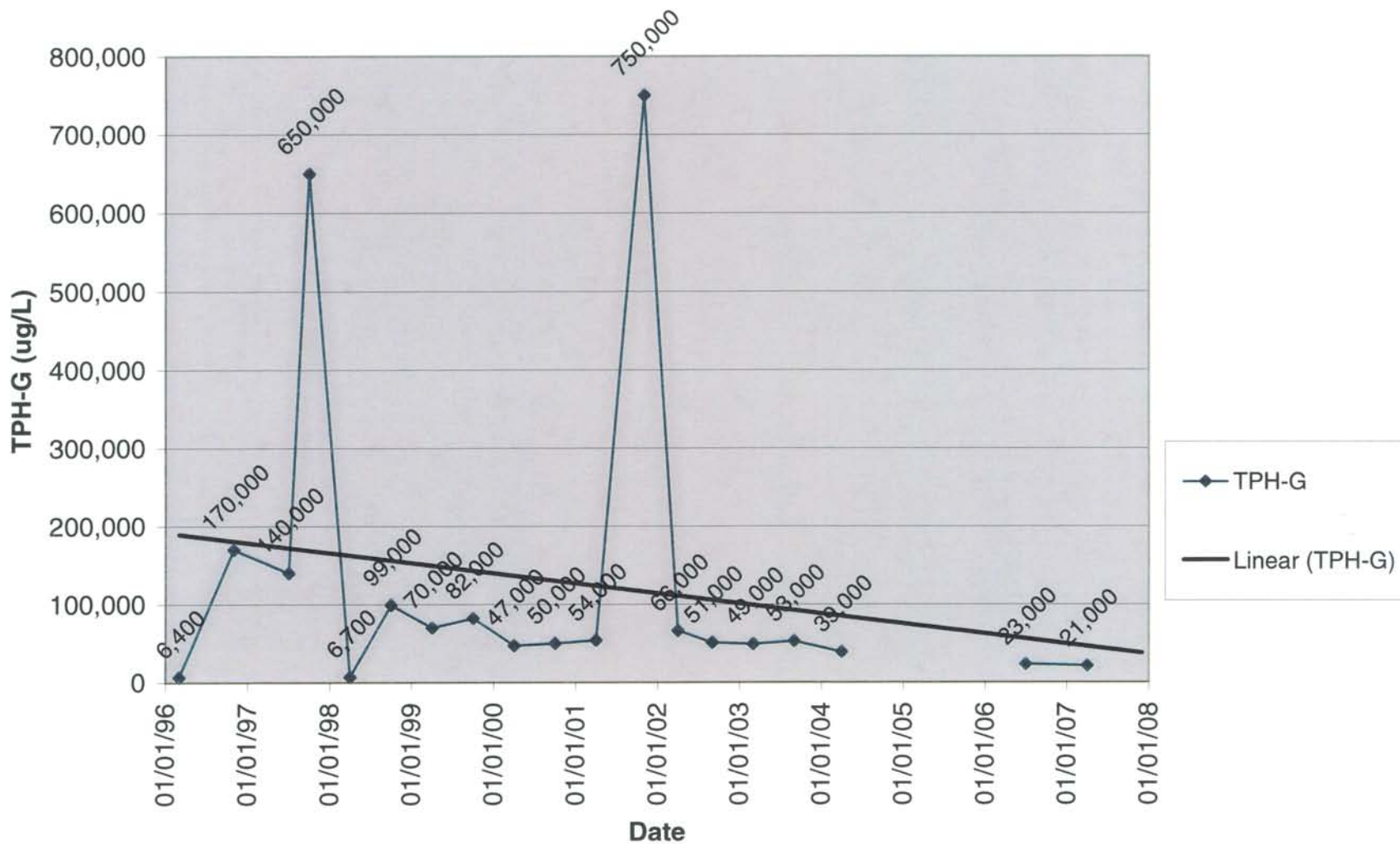
Figure 9
 Cross Section A - A'
 With GW TPH-G Concentrations
 Arrow Rentals
 187 N L Street
 Livermore, CA
 Project No.: 1262.2
 Geological Technics Inc. 1/16/08

LEGEND

Scale as Indicated.

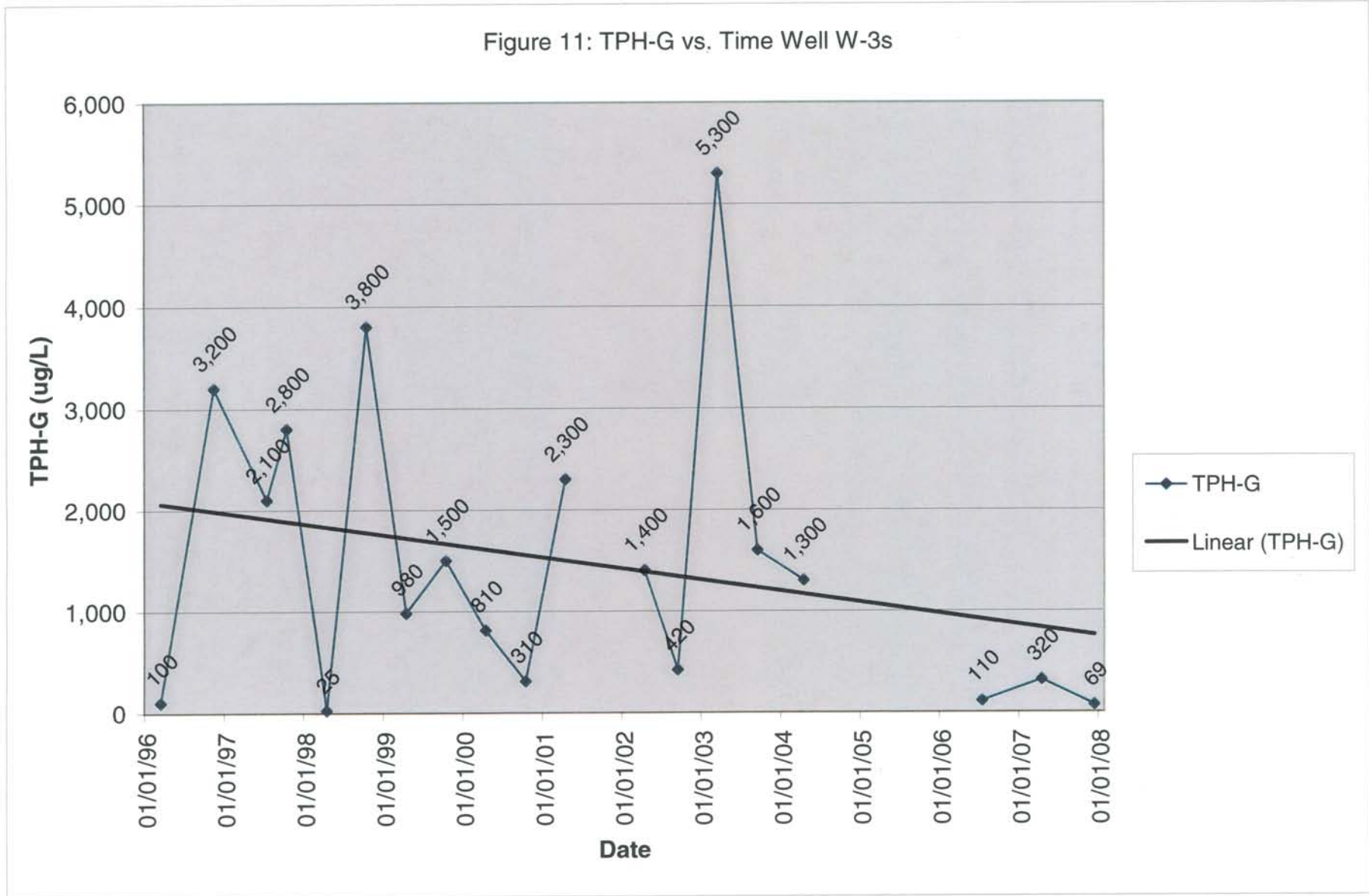
- 2300 = Water Benzene Concentration (ug/l)
- NA = Not Sampled
- MW-108 ▮ = CMT well screen section
- MW-5 (NE,5') = Boring Projection onto Section (direction, distance)

Figure 10: TPH-G vs. Time Well W-1s



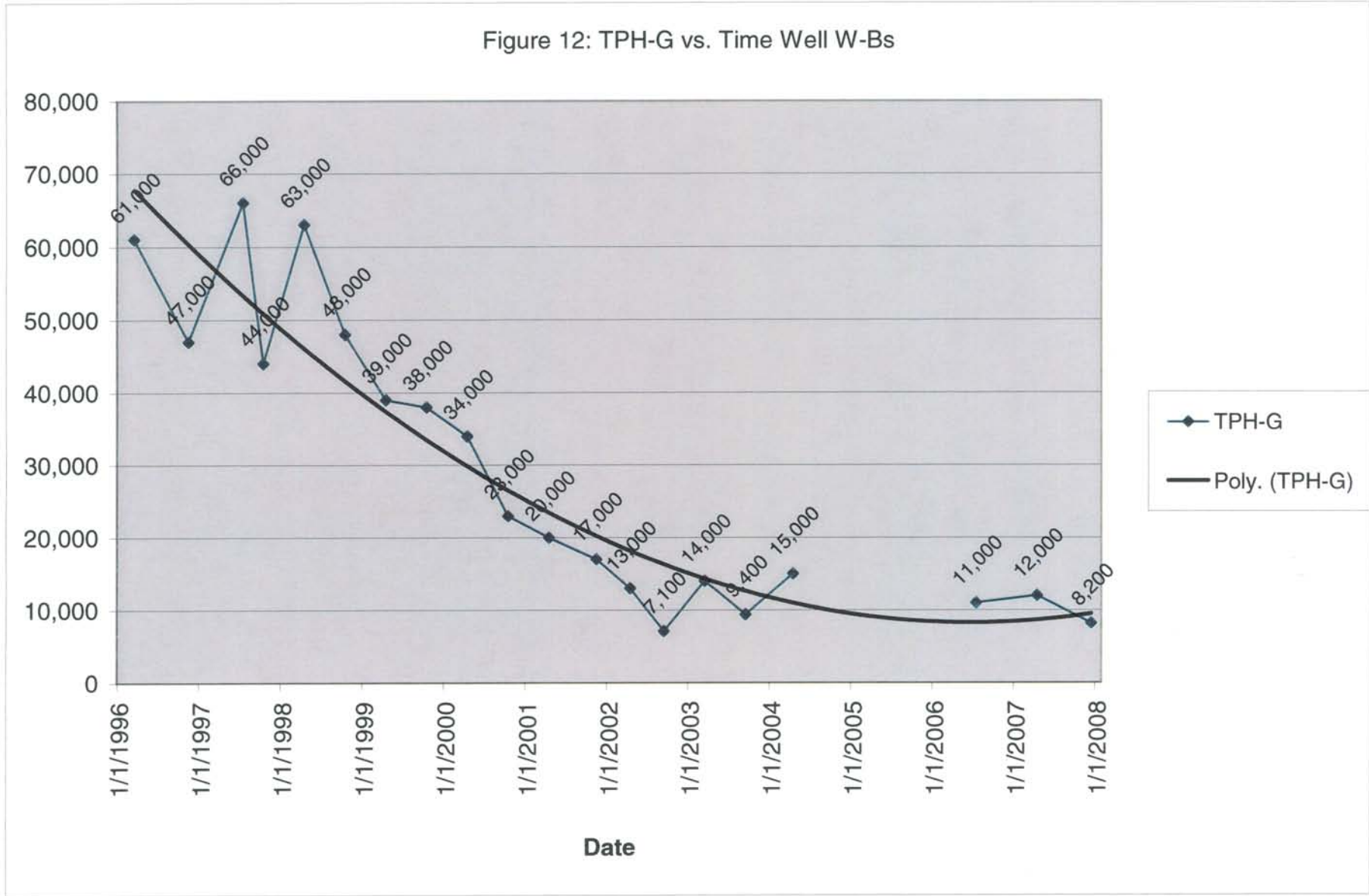
Arrow Rentals
187 North L Street
Livermore, CA
Project No. 1262.2

Figure 11: TPH-G vs. Time Well W-3s



Arrow Rentals
187 North L Street
Livermore, CA
Project No. 1262.2

Figure 12: TPH-G vs. Time Well W-Bs



Appendix A

Summary Tables

Table 1A: Summary of Groundwater Elevation and Gradient - Water Table Wells

Arrow Rentals
 187 North L Street
 Livermore CA
 Project No. 1262.2

Date		Elevation of Groundwater*												Avg. Elv. (feet)	Avg. DTW (feet)	Gradient (ft/ft)	Bearing	
		W-1s	W-3s	W-Bs	W-Es													
	top of casing	479.09	476.98	478.82	474.66													
	top of screen	459.09	456.98	458.82	454.66													
	bottom of screen	434.09	431.98	433.82	429.66													
7/15/1997		448.68	447.81	449.20	443.20													
10/29/1997		442.64	441.53	442.19	437.98													
4/27/1998		460.48	457.25	459.96	455.39													
10/23/1998		445.11	444.01	445.60	440.16													
4/9/1999		453.14	451.02	452.78	447.25													
10/5/1999		446.66	445.20	446.72	441.47													
4/5/2000		453.12	451.96	453.77	448.04													
10/26/2000		447.91	446.50	448.14	442.43													
4/18/2001		447.80	446.51	446.89	442.63													
11/13/2001		435.69	433.32	443.59	431.05													
4/30/2002		441.80	439.19	441.50	437.09													
9/30/2002		439.17	437.01	439.39	434.50													
3/19/2003		446.83	445.03	446.74	441.80													
9/16/2003		440.88	438.50	441.40	436.14													
4/29/2004		448.99	447.39	448.83	443.43									447.16	30.23	0.019	West	
7/7/2006		450.40	448.61	450.25	444.21									448.37	29.02	0.019	N76°W	

*Data prior to July 7, 2006 from Environmental Sampling Services 5/27/04 Groundwater Monitoring Report

Date		Elevation of Groundwater - Wells Surveyed October 16, 2006 in accordance with SWRCB Geotracker Requirements												Avg. Elv. (feet)	Avg. DTW (feet)	Gradient (ft/ft)	Bearing	
		W-1s	W-3s	W-Bs	W-Es	MW-4	MW-5	MW-6	MW-7	MW-8	MW-105	MW-106	MW-107					MW-108
	top of casing	481.19	479.12	480.92	476.78	480.84	481.12	480.79	480.91	480.64	481.12	480.79	480.91	480.64				
	top of screen	461.19	459.12	460.92	456.78	451.84	455.12	451.79	451.91	451.64	445.12	444.79	441.91	441.64				
	bottom of screen	436.19	434.12	435.92	431.78	450.84	454.12	450.79	450.91	450.64	444.12	443.79	440.91	440.64				
10/16/2006		447.81	446.17	447.93	442.75	-	-	-	-	-	447.97	447.11	446.77	446.34	446.61	33.58	0.014	N68°W
4/17/2007		449.64	448.35	449.51	444.58	454.09	-	-	-	-	-	-	448.92	448.20	31.58	0.016	N71°W	
12/19/2007		438.88	437.46	444.51	433.10	-	-	-	-	-	-	443.07	442.26	442.60	440.27	39.78	0.033	S74°W

Table 1B: Summary of Groundwater Elevation and Gradient - Intermediate Wells

Arrow Rentals
 187 North L Street
 Livermore CA
 Project No. 1262.2

Date	Elevation of Groundwater - Wells Surveyed October 16, 2006 in accordance with SWRCB Geotracker Requirements														
		W-A	W-B	W-C	W-D	W-E	MW-104	MW-205	MW-206	MW-207	MW-208	Avg. Elv. (feet)	Avg. DTW (feet)	Gradient (ft/ft)	Bearing
	<i>top of casing</i>	481.04	480.74	481.61	477.03	476.56	480.84	481.12	480.79	480.91	480.64				
	<i>top of screen</i>	439.04	440.74	436.61	435.03	436.06	431.34	434.12	431.79	431.91	429.64				
	<i>bottom of screen</i>	423.54	425.74	426.61	419.53	416.26	430.34	433.12	430.79	430.91	428.64				
10/16/2006		-	-	-	-	442.63	444.85	446.75	447.03	446.27	445.12	445.44	34.70	0.012	N63°W
4/17/2007		-	-	-	-	-	-	-	448.57	447.13	447.05	447.58	33.20	0.022	S68°W
12/19/2007		438.36	-	-	-	-	435.98	-	436.10	434.33	433.92	435.74	45.11	0.04	N76°W

*- = well dry or depth to water measurement could not be obtained

Table 1C: Summary of Groundwater Elevation and Gradient - Deep Wells

Arrow Rentals
 187 North L Street
 Livermore CA
 Project No. 1262.2

Date	Elevation of Groundwater - Wells Surveyed October 16, 2006 in accordance with SWRCB Geotracker Requirements											
		MW-204	MW-305	MW-306	MW-307	MW-308	Avg. Elv. (feet)	Avg. DTW (feet)	Gradient (ft/ft)	Bearing	MW-304	MW-404
	<i>top of casing</i>	480.84	481.12	480.79	480.91	480.64					480.84	480.84
	<i>top of screen</i>	415.34	416.12	415.79	415.91	415.64					406.34	400.84
	<i>bottom of screen</i>	414.34	415.12	414.79	414.91	414.64					405.34	399.34
10/16/2006		447.09	447.44	447.29	446.63	446.37	446.96	33.90	0.014	N78°W	442.76	444.37
4/17/2007		-	448.49	449.08	-	-	448.79	32.17	-	-	-	448.82
12/19/2007		435.73	-	443.19	435.20	434.93	437.26	43.53	0.18	S39°W	435.45	435.51

"-" = well dry or depth to water measurement could not be obtained

Table 2

Arrow Rentals
 187 North L Street
 Livermore CA
 Project No. 1262.2

Date	Well Pair	Mid Points (TS-BS & TS-BS)			GW Elev. (Head)	Vert Head diff.	Vert Dist diff.	Vertical Gradient
		gw/ts	bs/bs					
16-Oct-06	MW-104	430.84	431.34	430.34	444.85	2.240	16.00	0.14
	MW-204	414.84	415.34	414.34	447.09			
16-Oct-06	MW-205	433.62	434.12	433.12	446.75	0.690	18.00	0.04
	MW-305	415.62	416.12	415.12	447.44			
19-Apr-07	MW-107	441.41	441.91	440.91	448.92	-1.790	10.00	-0.18
	MW-207	431.41	431.91	430.91	447.13			
19-Apr-07	MW-206	431.29	431.79	430.79	446.75	0.510	16.00	0.03
	MW-306	415.29	415.79	414.79	447.44			
19-Dec-07	MW-204	414.84	415.34	414.34	435.73	-0.280	9.00	-0.03
	MW-304	405.84	406.34	405.34	435.45			
19-Dec-07	MW-304	405.84	406.34	405.34	435.45	0.060	5.75	0.01
	MW-404	400.09	400.84	399.34	435.51			
19-Dec-07	MW-207	431.41	431.91	430.91	434.33	0.870	16.00	0.05
	MW-307	415.41	415.91	414.91	435.20			

ts= top of screen
 bs= bottom of screen

Table 3: Summary of Well Construction

**Arrow Rentals
187 North L Street
Livermore, CA
Project No. 1262.2**

Well/Boring Type	Well/Boring Number	Status	Date Drilled	Total Depth (ft)	Boring Diameter (in)	Well Casing Diameter (in)	Casing Type	Slot Size (in)	Sand Type	Well Screen		Filter Pack		Annular Seal		Grout Seal	
										From	To	From	To	From	To	From	To
Monitoring	W-1	Active	5/25/89	56.5	8	2	PVC	0.010	#2/12	55.5	45.5	55.5	41.5	41.5	39	39	S
Monitoring	W-2	Active	5/26/89	51.5	8	2	PVC	0.010	#2/12	49	39	49	36	36	22.5	22.5	S
Monitoring	W-3	Active	5/26/89	51.5	8	2	PVC	0.010	#2/12	48	38	48	34.5	34.5	32.5	32.5	S
Monitoring	W-A	Active	7/12/90	63	12	4	PVC	0.010	#2/12	57.5	42	63	40	40	36.5	36.5	S
Monitoring	W-B	Active	7/13/90	55	12	4	PVC	0.010	#2/12	55	40	55	32	32	30	30	S
Monitoring	W-C	Active	7/11/90	55	8	2	PVC	0.010	#2	55	45	55	37.5	37.5	35	35	S
Monitoring	W-D	Active	7/12/90	57.5	12	4	PVC	0.010	#2/12	57.5	42	57.5	39.5	34	32	32	S
Monitoring	W-E	Active	7/10/90	61	8	2	PVC	0.010	#2/12	60.3	40.5	61	37	30	29	29	S
Monitoring	MW-1s	Active	3/11/96	45	?	6	PVC	0.010	#2/12	45	20	45	17	17	15	15	S
Monitoring	MW-Bs	Active	3/12/96	45	?	6	PVC	0.010	#2/12	45	20	45	18	18	16	16	S
Monitoring	MW-3s	Active	3/12/96	45	?	4	PVC	0.010	#2/12	45	20	45	18	18	16	16	S
Monitoring	MW-Es	Active	3/13/96	45	?	2	PVC	0.010	#2/12	45	20	45	18	18	16	16	S
Monitoring	MW-4	Active	10/04/06	82	8	-	MCT	-	#2/12	30	29	30	20	16	14	14	S
Monitoring	MW-104	Active	-	-	-	-	MCT	-	#2/12	50.5	49.5	52	48	-	-	-	-
Monitoring	MW-204	Active	-	-	-	-	MCT	-	#2/12	66.5	65.5	68	64	-	-	-	-
Monitoring	MW-304	Active	-	-	-	-	MCT	-	#2/12	75.5	74.5	76	73	-	-	-	-
Monitoring	MW-404	Active	-	-	-	-	MCT	-	#2/12	81.5	80	81.5	79.5	-	-	-	-
Monitoring	MW-5	Active	10/09/06	68	8	-	MCT	-	#2/12	27	26	29	24	24	21.5	21.5	S
Monitoring	MW-105	Active	-	-	-	-	MCT	-	#2/12	37	36	39	34	-	-	-	-
Monitoring	MW-205	Active	-	-	-	-	MCT	-	#2/12	48	47	50	45	-	-	-	-
Monitoring	MW-305	Active	-	-	-	-	MCT	-	#2/12	66	65	68	63	-	-	-	-
Monitoring	MW-6	Active	10/10/06	68	8	-	MCT	-	#2/12	30	29	31	27	27	24	24	S
Monitoring	MW-106	Active	-	-	-	-	MCT	-	#2/12	37	36	39	35	-	-	-	-
Monitoring	MW-206	Active	-	-	-	-	MCT	-	#2/12	50	49	52	47	-	-	-	-
Monitoring	MW-306	Active	-	-	-	-	MCT	-	#2/12	66	65	68	63	-	-	-	-
Monitoring	MW-7	Active	10/05/06	69.5	8	-	MCT	-	#2/12	30	29	30	20	-	-	6	S
Monitoring	MW-107	Active	-	-	-	-	MCT	-	#2/12	40	39	42	37	-	-	-	-
Monitoring	MW-207	Active	-	-	-	-	MCT	-	#2/12	50	49	52	47	-	-	-	-
Monitoring	MW-307	Active	-	-	-	-	MCT	-	#2/12	66	65	68	63	-	-	-	-
Monitoring	MW-8	Active	10/06/06	66.5	8	-	MCT	-	#2/12	30	29	30	30	20	18	18	S
Monitoring	MW-108	Active	-	-	-	-	MCT	-	#2/12	40	39	42	37	-	-	-	-
Monitoring	MW-208	Active	-	-	-	-	MCT	-	#2/12	52	51	54	49	-	-	-	-
Monitoring	MW-308	Active	-	-	-	-	MCT	-	#2/12	66	65	66	63	-	-	-	-
Vapor Extraction	EW-1	Active	10/3/06	25	10	4	PVC	0.010	#2/12	25	10	25	9.5	9.5	7.5	7.5	S

Table 4: Summary of Groundwater Analytical Data

Arrow Rentals
 187 North L Street
 Livermore CA
 Project No. 1262.2

Wells	Date	TPH	TPH	Benzene	Toluene	Ethyl	Total	MTBE	ETBE	DIPE	TAME	TBA	1,2 DCA	EDB
		Gasoline ug/L	Diesel ug/L	ug/L	ug/L	Benzene ug/L	Xylenes ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
W-1	11/1988 (?)	210,000	300,000	29,000	30,000	5,400	24,000	-	-	-	-	-	-	-
	9/13/1995	666,000	-	65,000	78,000	6,400	36,000	<12500	-	-	-	-	-	-
	10/19/2006	77,000	-	9,700	11,000	2,000	10,000	-	-	-	-	-	-	-
	10/20/2006	110,000	-	4,600	7,200	3,900	11,000	-	-	-	-	-	-	-
	12/20/2007	140,000	-	20,000	17,000	3,000	16,000	<2000	-	-	-	-	-	-
W-2	11/1988 (?)	360	<50	6.7	2.1	0.5	1.3	-	-	-	-	-	-	-
	9/13/1995	90	-	<0.5	<0.5	<0.5	<0.5	<5	-	-	-	-	-	-
W-3	11/1988 (?)	11,000	2,200	290	120	150	140	-	-	-	-	-	-	-
	9/13/1995	27,000	-	5,600	290	460	280	<2500	-	-	-	-	-	-
W-A (dup)	1990	10,000	2,400	6,800	5,500	620	3,400	-	-	-	-	-	-	-
	1990	-	-	6,900	5,600	620	6,800	-	-	-	-	-	-	-
	10/20/2006	450	-	40	19	21	33	-	-	-	-	-	-	-
	10/29/2007	40,000	-	4,000	330	1,600	3,000	<100	-	-	-	-	-	-
W-B (dup)	1990	13,000	1,700	22,000	7,900	2,000	4,000	-	-	-	-	-	-	-
	1990	21,000	1,600	21,000	7,300	1,800	3,700	-	-	-	-	-	-	-
W-C	1990	<10	<100	<1	<1	<1	<1	-	-	-	-	-	-	-
W-D	1990	100	<100	1	2	2	1	-	-	-	-	-	-	-
W-E	1990	<10	<100	<1	<1	<1	<1	-	-	-	-	-	-	-
	9/13/1995	95	-	4	<0.5	<0.5	<0.5	18	-	-	-	-	-	-
W-1s	3/22/1996	6,400	-	580	470	85	1,100	<500	-	-	-	-	-	-
	11/22/1996	170,000	-	13,000	18,000	3,500	18,000	<10000	-	-	-	-	-	-
	7/15/1997	140,000	38,000	12,000	12,000	2,600	16,000	<800	-	-	-	-	-	-
	10/29/1997	650,000	180,000	14,000	19,000	7,800	35,000	<3000	-	-	-	-	-	-
	4/27/1998	6,700	2,200	410	250	77	870	<30	-	-	-	-	-	-
	10/23/1998	99,000	18,000	9,800	9,400	1,800	11,000	<600	-	-	-	-	-	-
	4/9/1999	70,000	24,000	6,500	7,000	1,800	8,900	360	-	-	-	-	-	-
	10/5/1999	82,000	60,000	5,500	4,500	2,500	14,000	<300	-	-	-	-	-	-
	4/5/2000	47,000	15,000	4,300	2,300	1,500	6,100	170	-	-	-	-	-	-
	10/26/2000	50,000	1,200	3,800	1,800	1,700	7,600	<50	-	-	-	-	-	-
	4/18/2001	54,000	6,800	5,200	1,800	1,500	7,000	<330	-	-	-	-	-	-
	11/13/2001	750,000	-	9,500	7,800	7,200	33,000	<2000	-	-	-	-	-	-
	4/30/2002	66,000	8,200	6,000	2,700	2,300	11,000	<1200	-	-	-	-	-	-
	9/30/2002	51,000	1,200	5,600	1,500	2,000	9,400	<1000	-	-	-	-	-	-
	3/19/2003	49,000	9,800	3,400	880	1,300	7,300	<500	-	-	-	-	-	-
	9/16/2003	53,000	24,000	4,100	1,200	1,400	6,600	<1000	-	-	-	-	-	-
	4/29/2004	39,000	5,900	3,700	1,200	810	4,700	<2500	-	-	-	-	-	-
7/7/2006	23,000	<500	4,000	710	1,200	2,900	<100	<500	<500	<500	<1000	<50	<50	
10/17/2006	35,000	<470	5,000	1,300	1,500	3,500	-	-	-	-	-	-	-	
10/19/2006	40,000	-	6,000	3,800	1,300	4,400	-	-	-	-	-	-	-	
10/20/2006	32,000	-	2,100	2,700	1,200	3,600	-	-	-	-	-	-	-	
4/19/2007	21,000	-	2,200	460	1,200	1,800	<200	-	-	-	-	-	-	
10/29/2007	68,000	-	19,000	830	2,700	4,000	<400	-	-	-	-	-	-	

Table 4: Summary of Groundwater Analytical Data

Arrow Rentals
 187 North L Street
 Livermore CA
 Project No. 1262.2

Wells	Date	TPH	TPH	Benzene	Toluene	Ethyl	Total	MTBE	ETBE	DIPE	TAME	TBA	1,2 DCA	EDB
		Gasoline ug/L	Diesel ug/L	ug/L	ug/L	Benzene ug/L	Xylenes ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
W-3s	3/22/1996	100	-	13	6.9	5.3	14	<5	-	-	-	-	-	-
	11/22/1996	3,200	-	270	29	63	100	<100	-	-	-	-	-	-
	7/15/1997	2,100	340	230	7	33	51	<20	-	-	-	-	-	-
	10/29/1997	2,800	750	630	31	71	69	<30	-	-	-	-	-	-
	4/27/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<3	-	-	-	-	-	-
	10/23/1998	3,800	1,000	500	28	90	37	35	-	-	-	-	-	-
	4/9/1999	980	430	240	4	37	3	<12	-	-	-	-	-	-
	10/5/1999	1,500	1,000	290	9.5	53	9.8	<6	-	-	-	-	-	-
	4/5/2000	810	320	150	3	9	5.7	<5	-	-	-	-	-	-
	10/26/2000	310	120	83	3.5	6.4	1.2	<5	-	-	-	-	-	-
	4/18/2001	2,300	1,600	320	8	16	7	<20	-	-	-	-	-	-
	11/13/2001	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/2002	1,400	490	320	5.5	24	5	<25	-	-	-	-	-	-
	9/30/2002	420	390	68	1.4	3.1	1.1	<5	-	-	-	-	-	-
	3/19/2003	5,300	1,500	920	24	140	27	<25	-	-	-	-	-	-
	9/16/2003	1,600	1,400	270	1.7	5.2	<0.5	<5	-	-	-	-	-	-
	4/29/2004	1,300	400	210	5.1	23	4.5	<25	-	-	-	-	-	-
7/7/2006	110	<500	44	0.77	<0.5	<0.5	<1	<5	<5	<5	<5	<10	<0.5	<0.5
10/17/2006	1,300	<50	95	<2	2	<2	-	-	-	-	-	-	-	-
4/19/2007	320	-	83	<2.5	<2.5	<2.5	<5	-	-	-	-	-	-	-
12/19/2007	69	-	1.3	<0.5	<0.5	<1	<2	-	-	-	-	-	-	-
W-Bs	3/22/1996	61,000	-	9,800	8,000	2,200	11,000	<5000	-	-	-	-	-	-
	11/22/1996	47,000	-	5,100	3,100	1,400	7,800	<2500	-	-	-	-	-	-
	7/15/1997	66,000	17,000	7,800	4,900	1,900	10,000	<600	-	-	-	-	-	-
	10/29/1997	44,000	27,000	6,000	500	1,500	6,400	380	-	-	-	-	-	-
	4/27/1998	63,000	17,000	6,100	5,400	1,900	9,100	<600	-	-	-	-	-	-
	10/23/1998	48,000	9,600	6,700	1,200	1,500	6,200	<300	-	-	-	-	-	-
	4/9/1999	39,000	12,000	4,100	1,900	1,400	5,600	<300	-	-	-	-	-	-
	10/5/1999	38,000	7,300	3,800	390	1,600	5,900	<60	-	-	-	-	-	-
	4/5/2000	34,000	9,600	3,500	1,200	1,400	4,700	<150	-	-	-	-	-	-
	10/26/2000	23,000	650	2,500	210	1,100	2,600	150	-	-	-	-	-	-
	4/18/2001	20,000	2,500	2,400	180	880	1,800	<20	-	-	-	-	-	-
	11/13/2001	17,000	3,600	2,000	130	1,100	1,700	<150	-	-	-	-	-	-
	4/30/2002	13,000	2,300	1,000	38	660	360	<170	-	-	-	-	-	-
	9/30/2002	7,100	1,500	940	28	260	93	<250	-	-	-	-	-	-
	3/19/2003	14,000	3,900	1,200	77	820	900	<120	-	-	-	-	-	-
	9/16/2003	9,400	1,900	1,300	36	580	160	<150	-	-	-	-	-	-
	4/29/2004	15,000	3,300	2,400	170	1,300	950	<200	-	-	-	-	-	-
7/7/2006	11,000	<50	1,900	160	820	440	<40	<200	<200	<200	<400	<20	<20	
10/17/2006	6,500	<47	1,000	37	410	83	-	-	-	-	-	-	-	
10/20/2006	630	<47	39	8.5	1.7	20	-	-	-	-	-	-	-	
4/19/2007	12,000	-	1,500	100	900	620	<100	-	-	-	-	-	-	
12/19/2007	8,200	-	360	<50	380	<100	<200	-	-	-	-	-	-	

Table 4: Summary of Groundwater Analytical Data

Arrow Rentals
 187 North L Street
 Livermore CA
 Project No. 1262.2

Wells	Date	TPH	TPH	Benzene	Toluene	Ethyl	Total	MTBE	ETBE	DIPE	TAME	TBA	1,2 DCA	EDB
		Gasoline ug/L	Diesel ug/L	ug/L	ug/L	Benzene ug/L	Xylenes ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
W-Es	3/22/1996	<50	-	<0.5	<0.5	<0.5	<0.5	<5	-	-	-	-	-	-
	11/22/1996	280	-	24	0.6	1.8	2.2	<5	-	-	-	-	-	-
	7/15/1997	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/1997	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/27/1998	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/1998	82	69	<0.5	0.8	<0.5	0.8	4	-	-	-	-	-	-
	4/9/1999	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/5/1999	68	88	<0.5	<0.5	<0.5	<1.0	4	-	-	-	-	-	-
	4/5/2000	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/26/2000	110	<50	0.7	<0.5	<0.5	<1.0	<5	-	-	-	-	-	-
	4/18/2001	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/13/2001	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/2002	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/30/2002	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/19/2003	86	61	<0.5	<0.5	<0.5	<0.5	<5	-	-	-	-	-	-
	9/16/2003	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/29/2004	55	87	0.62	<0.5	<0.5	<0.5	<5	-	-	-	-	-	-
7/7/2006	<25	<50	<0.5	<0.5	<0.5	<0.5	2.4	<5	<5	<5	<10	<0.5	<0.5	
10/17/2006	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	
4/17/2007	<50	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-	-	-	-	
12/19/2007	<50	-	<0.5	<0.5	<0.5	<1	<2	-	-	-	-	-	-	
MW-4	10/16/2006							DRY						
	4/17/2007							DRY						
	10/29/2007	460,000	-	24,000	21,000	3,800	19,000	<500	-	-	-	-	-	-
	12/19/2007							DRY						
MW-5	10/16/2006							DRY						
	4/17/2007							DRY						
	12/19/2007							DRY						
MW-6	10/16/2006							DRY						
	4/17/2007							DRY						
	12/19/2007							DRY						
MW-7	10/16/2006							DRY						
	4/17/2007							DRY						
	12/19/2007							DRY						
MW-8	10/16/2006							DRY						
	4/17/2007							DRY						
	12/19/2007							DRY						

Table 4: Summary of Groundwater Analytical Data

Arrow Rentals
 187 North L Street
 Livermore CA
 Project No. 1262.2

Wells	Date	TPH	TPH	Benzene	Toluene	Ethyl	Total	MTBE	ETBE	DIPE	TAME	TBA	1,2 DCA	EDB
		Gasoline ug/L	Diesel ug/L	ug/L	ug/L	Benzene ug/L	Xylenes ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-104	10/19/2006	960	-	250	170	20	83	-	-	-	-	-	-	-
	4/19/2007							DRY						
	10/29/2007	1,300	-	210	82	110	380	<5	-	-	-	-	-	-
	12/19/2007							DRY						
MW-105	10/16/2006	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/19/2007	13,000	-	4,300	980	490	1,500	<250	-	-	-	-	-	-
	12/19/2007							DRY						
MW-106	10/16/2006	56	-	2.2	<0.5	0.57	<0.5	-	-	-	-	-	-	-
	4/19/2007	240	-	7.6	<0.5	<0.5	<0.5	<1	-	-	-	-	-	-
	10/29/2007	86	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-	-	-	-
	12/20/2007	54	-	1.0	<0.5	<0.5	<1	<2	-	-	-	-	-	-
MW-107	10/19/2006	320	-	430	290	33	140	-	-	-	-	-	-	-
	4/19/2007	7,400	-	3,400	150	140	140	<200	-	-	-	-	-	-
	12/19/2007							DRY						
MW-108	10/16/2006	3,400	-	790	46	<20	65	-	-	-	-	-	-	-
	4/19/2007	<20,000	-	5,400	<200	400	220	<400	-	-	-	-	-	-
	10/29/2007	310	-	55	3.2	10	14	1.9	-	-	-	-	-	-
	12/19/2007							DRY						
MW-204	10/19/2006	5,800	-	560	420	110	580	-	-	-	-	-	-	-
	4/18/2007	<10,000	-	2,700	650	210	970	<200	-	-	-	-	-	-
	10/29/2007	710	-	18	9.9	11	34	<1	-	-	-	-	-	-
	12/20/2007	22,000	-	4,700	1,100	490	1,400	<800	-	-	-	-	-	-
MW-205	10/16/2006	<2000	-	880	63	<20	54	-	-	-	-	-	-	-
	10/17/2006	5,100	-	2,000	190	52	220	-	-	-	-	-	-	-
	4/18/2007	<40,000	-	14,000	550	<400	<400	<800	-	-	-	-	-	-
	12/19/2007							DRY						
MW-206	10/16/2006	<50	-	0.72	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	4/18/2007	<50	-	0.96	<0.5	<0.5	<0.5	<1	-	-	-	-	-	-
	12/19/2007	84	-	0.71	<0.5	<0.5	<1	<2	-	-	-	-	-	-
MW-207	10/19/2006	1,000	-	170	52	18	67	-	-	-	-	-	-	-
	4/18/2007	<25,000	-	9,700	480	<250	250	<500	-	-	-	-	-	-
	12/19/2007							DRY						
MW-208	10/17/2006	1,500	-	520	39	<10	100	-	-	-	-	-	-	-
	4/19/2007	<10,000	-	2,500	<100	<100	<100	<200	-	-	-	-	-	-
	12/19/2007							DRY						

Table 4: Summary of Groundwater Analytical Data

Arrow Rentals
 187 North L Street
 Livermore CA
 Project No. 1262.2

Wells	Date	TPH	TPH	Benzene	Toluene	Ethyl	Total	MTBE	ETBE	DIPE	TAME	TBA	1,2 DCA	EDB
		Gasoline ug/L	Diesel ug/L	ug/L	ug/L	Benzene ug/L	Xylenes ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-304	10/19/2006	3,300	-	290	240	56	530	-	-	-	-	-	-	-
	4/19/2007	<10,000	-	3,100	450	<100	420	<200	-	-	-	-	-	-
	12/20/2007	1,500	-	380	43	32	110	<40	-	-	-	-	-	-
MW-305	10/16/2006	<50	-	1.8	<0.5	<0.5	0.67	-	-	-	-	-	-	-
	4/19/2007	<20,000	-	3,600	<200	<200	<200	<400	-	-	-	-	-	-
	12/19/2007							DRY						
MW-306	10/16/2006	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	4/18/2007	<50	-	3.1	<0.5	<0.5	<0.5	<1	-	-	-	-	-	-
	12/20/2007	<50	-	0.54	<0.5	<0.5	<1	<2	-	-	-	-	-	-
MW-307	10/19/2006	<50	-	2.3	1.5	<0.5	4.7	-	-	-	-	-	-	-
	4/18/2007	<4000	-	1,300	250	78	310	<80	-	-	-	-	-	-
	12/19/2007	1,500	-	200	50	59	140	<40	-	-	-	-	-	-
MW-308	10/16/2006	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
	4/19/2007	<10,000	-	1,600	<100	<100	<100	<200	-	-	-	-	-	-
	12/19/2007	190	-	25	1.5	7.2	8.4	<4	-	-	-	-	-	-
MW-404	10/19/2006	1,700	-	120	73	27	280	-	-	-	-	-	-	-
	4/18/2007	<10,000	-	1,400	440	130	550	<200	-	-	-	-	-	-
	12/19/2007	2,200	-	160	63	92	300	<40	-	-	-	-	-	-

pre- 2006 data adapted from *Environmental Sampling Services* 5/27/04 Groundwater Monitoring Report
 "-" = not analyzed

Appendix B

Laboratory Analytical Data Sheets

Project Name: Sullins - Arrow Rentals (L Street)

Well I.D.: W-Bs

Project No.: 1262.2

Date: 12/19/2007

Project Location: 187 North L Street

Livermore, CA

Samples sent to: Entech

Time	Cumulative Volume Purged (gal)	Temp. C°	E.C. (µmhos/cm)	pH	O.R.P. (millivolts)	Dissolved Oxygen (mg/L)	Remarks
12:35	0.0	23.1	106.5	6.44	-		Cloudy, strong odor, sediments
13:26	12.0	24.0	97.3	6.70	-		Cloudy, strong odor, sediments
14:11	24.0	-	-	-	-		Well pump dry on 2nd well purged volume
14:48							Collected samples

Purge Method: Dedicated Waterra Centrifugal pump with dedicated tubing Other _____

Pumping Rate: 0.24 gal/min

Casing diameter: 6"

Sample Containers used: 4 # VOAs HCL preserved ___ non-preserved

Total depth: 44.71

_____ # amber liters _____ preserved ___ non-preserved

Initial DTW: 36.41

_____ # polys _____ size _____ preserved ___ non-preserved

Water column height: 8.30

_____ # polys _____ size _____ preserved ___ non-preserved

One casing volume: 12.28

Notes: Well pump dry on 2nd well purged volume.

DTW at sampling: _____

Sampled By: D. Villanueva/E. Nona/M. Ude DV, EN, MU

Sample Method: Grab

of drums full of water on site _____

Project Name: Sullins- Arrow Rentals (L Street)

Well I.D.: W-1

Project No.: 1262.2

Date: 12/20/2007

Project Location: 187 North L Street
Livermore, CA

Samples sent to: Entech

Time	Cumulative Volume Purged (gal)	Temp. C°	E.C. (µmhos/cm)	pH	O.R.P. (millivolts)	Dissolved Oxygen (mg/L)	Remarks
12:20	0.0	22.8	98.6	6.49	34.3		Black, strong odor, sheen, some sediments
12:22	2.0	23.4	98.1	6.52	33.5		Gray, strong odor, sheen, sediments
12:25	4.0	23.5	99.7	6.54	32.1		Gray, strong odor, sheen, sediments
12:27	6.0	24.1	98.8	6.50	34.3		Gray, strong odor, sheen, sediments
12:30						2.30	Collected samples

Purge Method: Dedicated Waterra Centrifugal pump with dedicated tubing Other _____

Pumping Rate: 0.86 gal/min

Casing diameter: 2"

Sample Containers used: 4 # VOAs HCL preserved ___ non-preserved

Total depth: 54.41

_____ # amber liters _____ preserved ___ non-preserved

Initial DTW: 43.36

4 # polys 500 ml size _____ preserved X non-preserved

Water column height: 11.05

_____ # polys _____ size _____ preserved ___ non-preserved

One casing volume: 1.77

Notes: _____

DTW at sampling: _____

Sampled By: D. Villanueva/E. Nona/M. Ude DV, EN, MU

Sample Method: Waterra

of drums full of water on site _____

Project Name: Sullins - Arrow Rentals (L Street)

Well I.D.: MW-108

Project No.: 1262.2

Date: 12/20/2007

Project Location: 187 North L Street

Livermore, CA

Samples sent to: Entech

Time	Cumulative Volume Purged (gal)	Temp. C°	E.C. (µmhos/cm)	pH	O.R.P. (millivolts)	Dissolved Oxygen (mg/L)	Remarks
							Dry Well

Purge Method: Dedicated Waterra Centrifugal pump with dedicated tubing Other _____

Pumping Rate: _____ gal/min

Casing diameter: _____

Sample Containers used: _____ # VOAs HCL preserved _____ non-preserved

Total depth: _____

_____ # amber liters _____ preserved _____ non-preserved

Initial DTW: _____

_____ # polys _____ size _____ preserved _____ non-preserved

Water column height: _____

_____ # polys _____ size _____ preserved _____ non-preserved

One casing volume: _____

Notes: Unable to collect samples & purge due to dry well.

DTW at sampling: _____

Sampled By: D. Villanueva/E. Nona/M. Ude D, EN, MU

Sample Method: Waterra

of drums full of water on site _____

Project Name: Sullins - Arrow Rentals (L Street)

Well I.D.: MW-204

Project No.: 1262.2

Date: 12/20/2007

Project Location: 187 North L Street

Livermore, CA

Samples sent to: Entech

Time	Cumulative Volume Purged (gal)	Temp. C°	E.C. (µmhos/cm)	pH	O.R.P. (millivolts)	Dissolved Oxygen (mg/L)	Remarks
10:55	0.00	18.0	1.7	6.48	38.0		Black, no odor, sediments
10:58	0.15	19.9	68.2	6.58	34.9		Black, odor, sediments
11:00	0.30	21.5	79.4	6.66	27.8		Black, odor, sediments
11:03	0.60	22.1	85.0	6.64	28.6		Gray, strong odor, sediments
11:10						3.84	Collected samples

Purge Method: Dedicated Waterra Centrifugal pump with dedicated tubing Other _____

Pumping Rate: 0.08 gal/min

Casing diameter: CMT

Sample Containers used: 4 # VOAs HCL preserved ___ non-preserved

Total depth: 59.90

_____ # amber liters _____ preserved ___ non-preserved

Initial DTW: 45.11

_____ # polys _____ size _____ preserved ___ non-preserved

Water column height: 14.79

_____ # polys _____ size _____ preserved ___ non-preserved

One casing volume: 0.14

Notes: _____

DTW at sampling: _____

Sampled By: D. Villanueva/E. Nona/M. Ude DJ, EN, MU

Sample Method: Waterra

of drums full of water on site _____

Project Name: Sullins - Arrow Rentals (L Street)

Well I.D.: MW-206

Project No.: 1262.2

Date: 12/19/2007

Project Location: 187 North L Street

Livermore, CA

Samples sent to: Entech

Time	Cumulative Volume Purged (gal)	Temp. C°	E.C. (µmhos/cm)	pH	O.R.P. (millivolts)	Dissolved Oxygen (mg/L)	Remarks
14:07	0.0	24.4	118.2	7.04	-		Cloudy, H ₂ S odor, sediments
14:10	0.1	24.0	117.1	7.14	-		Cloudy, H ₂ S odor, sediments
14:12	0.2	24.3	118.8	7.27	-		Cloudy, H ₂ S odor, sediments
14:13	0.3	24.6	117.9	7.28	-		Cloudy, H ₂ S odor, sediments
14:20							Collected samples

Purge Method: Dedicated Waterra Centrifugal pump with dedicated tubing Other _____

Pumping Rate: 0.05 gal/min

Casing diameter: CMT

Sample Containers used: 4 # VOAs HCL preserved ___ non-preserved

Total depth: 50.82

_____ # amber liters _____ preserved ___ non-preserved

Initial DTW: 44.69

_____ # polys _____ size _____ preserved ___ non-preserved

Water column height: 6.13

_____ # polys _____ size _____ preserved ___ non-preserved

One casing volume: 0.06

Notes: _____

DTW at sampling: _____

Sampled By: D. Villanueva/E. Nona/M. Ude DI, SW ml

Sample Method: Waterra

of drums full of water on site _____

Project Name: Sullins - Arrow Rentals (L Street)

Well I.D.: MW-304

Project No.: 1262.2

Date: 12/20/2007

Project Location: 187 North L Street

Livermore, CA

Samples sent to: Entech

Time	Cumulative Volume Purged (gal)	Temp. C°	E.C. (µmhos/cm)	pH	O.R.P. (millivolts)	Dissolved Oxygen (mg/L)	Remarks
11:16	0.00	22.6	100.5	6.70	24.3		Brown, slight odor, sediments
11:18	0.25	23.1	103.0	6.80	14.4		Brown, slight odor, sediments
11:21	0.50	22.6	100.5	6.90	8.5		Brown, slight odor, sediments
11:24	0.75	23.6	99.1	6.94	6.8		Brown, slight odor, sediments
11:30						5.88	Collected samples

Purge Method: Dedicated Waterra Centrifugal pump with dedicated tubing Other _____

Pumping Rate: 0.09 gal/min

Casing diameter: CMT

Sample Containers used: 4 # VOAs HCL preserved ___ non-preserved

Total depth: 67.00

_____ # amber liters _____ preserved ___ non-preserved

Initial DTW: 45.39

_____ # polys _____ size _____ preserved ___ non-preserved

Water column height: 21.61

_____ # polys _____ size _____ preserved ___ non-preserved

One casing volume: 0.22

Notes: _____

DTW at sampling: _____

Sampled By: D. Villanueva/E. Nona/M. Ude *DV, EN, MU*

Sample Method: Waterra

of drums full of water on site _____

Project Name: Sullins - Arrow Rentals (L Street)

Well I.D.: MW-306

Project No.: 1262.2

Date: 12/19/2007

Project Location: 187 North L Street

Livermore, CA

Samples sent to: Entech

Time	Cumulative Volume Purged (gal)	Temp. C°	E.C. (µmhos/cm)	pH	O.R.P. (millivolts)	Dissolved Oxygen (mg/L)	Remarks
9:30	0.00	23.5	121.2	6.51	43.1		Brown, strong odor, sediments
9:35	0.25	23.4	107.9	6.45	42.5		Brown, strong odor, sediments
9:44	0.50	21.2	98.7	6.69	28.5		Brown, strong odor, sediments
9:47	0.75	22.7	99.6	6.88	18.4		Brown, strong odor, sediments
9:51						5.38	Collected samples

Purge Method: Dedicated Waterra Centrifugal pump with dedicated tubing Other _____

Pumping Rate: 0.04 gal/min

Casing diameter: CMT

Sample Containers used: 4 # VOAs HCL preserved ___ non-preserved

Total depth: 66.35

_____ # amber liters _____ preserved ___ non-preserved

Initial DTW: 37.60

_____ # polys _____ size _____ preserved ___ non-preserved

Water column height: 28.75

_____ # polys _____ size _____ preserved ___ non-preserved

One casing volume: 0.28

Notes: _____

DTW at sampling: _____

Sampled By: D. Villanueva/E. Nona/M. Ude *DJ, EN, ML*

Sample Method: Waterra

of drums full of water on site _____

Project Name: Sullins - Arrow Rentals (L Street)

Well I.D.: MW-307

Project No.: 1262.2

Date: 12/19/2007

Project Location: 187 North L Street

Livermore, CA

Samples sent to: Entech

Time	Cumulative Volume Purged (gal)	Temp. C°	E.C. (µmhos/cm)	pH	O.R.P. (millivolts)	Dissolved Oxygen (mg/L)	Remarks
12:41	0.00	22.0	112.5	6.86	-		Cloudy, no odor, sediments
12:44	0.25	22.0	113.6	7.13	-		Cloudy, no odor, sediments
12:50	0.50	23.4	153.8	7.14	-		Cloudy, no odor, sediments
12:54	0.75	23.1	120.1	7.27	-		Cloudy, no odor, sediments
13:00						-	Collected samples

Purge Method: Dedicated Waterra Centrifugal pump with dedicated tubing Other _____

Pumping Rate: 0.06 gal/min

Casing diameter: CMT

Sample Containers used: 4 # VOAs HCL preserved ___ non-preserved

Total depth: 67.00

_____ # amber liters _____ preserved ___ non-preserved

Initial DTW: 45.71

_____ # polys _____ size _____ preserved ___ non-preserved

Water column height: 21.29

_____ # polys _____ size _____ preserved ___ non-preserved

One casing volume: 0.21

Notes: _____

DTW at sampling: _____

Sampled By: D. Villanueva/E. Nona/M. Ude DV, EN, MU

Sample Method: Waterra

of drums full of water on site _____

Project Name: Sullins - Arrow Rentals (L Street)

Well I.D.: MW-308

Project No.: 1262.2

Date: 12/19/2007

Project Location: 187 North L Street

Livermore, CA

Samples sent to: Entech

Time	Cumulative Volume Purged (gal)	Temp. C°	E.C. (µmhos/cm)	pH	O.R.P. (millivolts)	Dissolved Oxygen (mg/L)	Remarks
13:07	0.00	23.6	140.2	7.02	-		Cloudy, mild odor, sediments
13:11	0.25	24.6	141.1	7.14	-		Cloudy, mild odor, sediments
13:14	0.50	24.5	141.3	7.06	-		Cloudy, mild odor, sediments
13:16	0.75	24.0	142.9	7.19	-		Cloudy, mild odor, sediments
13:25						-	Collected samples

Purge Method: Dedicated Waterra Centrifugal pump with dedicated tubing Other _____

Pumping Rate: 0.08 gal/min

Casing diameter: CMT

Sample Containers used: 4 # VOAs HCL preserved ___ non-preserved

Total depth: 64.29

_____ # amber liters _____ preserved ___ non-preserved

Initial DTW: 45.71

_____ # polys _____ size _____ preserved ___ non-preserved

Water column height: 18.58

_____ # polys _____ size _____ preserved ___ non-preserved

One casing volume: 0.18

Notes: _____

DTW at sampling: _____

Sampled By: D. Villanueva/E. Nona/M. Ude DV, EN, MU

Sample Method: Waterra

of drums full of water on site _____

Project Name: Sullins - Arrow Rentals (L Street)

Well I.D.: MW-404

Project No.: 1262.2

Date: 12/19/2007

Project Location: 187 North L Street

Livermore, CA

Samples sent to: Entech

Time	Cumulative Volume Purged (gal)	Temp. C°	E.C. (µmhos/cm)	pH	O.R.P. (millivolts)	Dissolved Oxygen (mg/L)	Remarks
13:32	0.00	23.0	109.5	6.96	-		Brown, strong odor, sediments
13:39	0.25	22.5	117.7	7.29	-		Cloudy, strong odor, sediments
13:46	0.50	23.2	105.2	7.27	-		Cloudy, strong odor, sediments
13:50	0.75	23.2	121.9	7.32	-		Cloudy, strong odor, sediments
13:55							Collected samples

Purge Method: Dedicated Waterra Centrifugal pump with dedicated tubing Other _____

Pumping Rate: 0.04 gal/min

Casing diameter: CMT

Sample Containers used: 4 # VOAs HCL preserved ___ non-preserved

Total depth: < 67.00

_____ # amber liters _____ preserved ___ non-preserved

Initial DTW: 45.33

_____ # polys _____ size _____ preserved ___ non-preserved

Water column height: 21.67

_____ # polys _____ size _____ preserved ___ non-preserved

One casing volume: 0.21

Notes: _____

DTW at sampling: _____

Sampled By: D. Villanueva/E. Nona/M. Ude *DV, EN, MU*

Sample Method: Waterra

of drums full of water on site _____

Appendix C

Groundwater Monitoring Field Notes

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Jenny Wees
Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354

Lab Certificate Number: 57885

Issued: 11/02/2007

Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore

Global ID: T0600100116

Certificate of Analysis - Final Report

On October 29, 2007, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	VOCs: EPA 5030B / EPA 8260B Electronic Deliverables for Geotracker TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
Subcontracted work is the responsibility of the subcontract laboratory, this includes turn-around-time and data quality.
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

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Fax: (408) 588-0201

Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354
Attn: Jenny Wees

Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L. Street/Livermore
GlobalID: T0600100116

Certificate of Analysis - Data Report

Samples Received: 10/29/2007
Sample Collected by: Client

Lab #: 57885-001 Sample ID: MW-104

Matrix: Liquid Sample Date: 10/29/2007 12:13 PM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	210		5.0	2.5	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Toluene	82		5.0	2.5	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Ethyl Benzene	110		5.0	2.5	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Xylenes, Total	380		5.0	2.5	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Methyl-t-butyl Ether	ND		5.0	5.0	µg/L	N/A	N/A	10/31/2007	WM1A071031A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	88.8	60 - 130
Toluene-d8	99.3	60 - 130

Analyzed by: XBian
Reviewed by: MaiChiTu

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	1300		5.0	250	µg/L	N/A	N/A	10/30/2007	WGC071030

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	145 ***	65 - 135

Analyzed by: JAbidog
Reviewed by: MaiChiTu

*** Surrogate recovery was outside QC limits due to matrix interference.

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Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116

Certificate of Analysis - Data Report

Samples Received: 10/29/2007
Sample Collected by: Client

Lab #: 57885-002 Sample ID: MW-106

Matrix: Liquid Sample Date: 10/29/2007 1:18 PM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	11/1/2007	WM1A071101A
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	11/1/2007	WM1A071101A
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	11/1/2007	WM1A071101A
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	11/1/2007	WM1A071101A
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	11/1/2007	WM1A071101A
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: XBian	
4-Bromofluorobenzene	112		60	- 130				Reviewed by: MaiChiTu	
Dibromofluoromethane	95.0		60	- 130					
Toluene-d8	107		60	- 130					

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	86		1.0	50	µg/L	N/A	N/A	10/29/2007	WGC071029
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	105		65	- 135				Reviewed by: MaiChiTu	

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Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116

Certificate of Analysis - Data Report

Samples Received: 10/29/2007
Sample Collected by: Client

Lab #: 57885-003 Sample ID: MW-108

Matrix: Liquid Sample Date: 10/29/2007 1:30 PM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	55		1.0	0.50	µg/L	N/A	N/A	10/30/2007	WM1A071030A
Toluene	3.2		1.0	0.50	µg/L	N/A	N/A	10/30/2007	WM1A071030A
Ethyl Benzene	10		1.0	0.50	µg/L	N/A	N/A	10/30/2007	WM1A071030A
Xylenes, Total	14		1.0	0.50	µg/L	N/A	N/A	10/30/2007	WM1A071030A
Methyl-t-butyl Ether	1.9		1.0	1.0	µg/L	N/A	N/A	10/30/2007	WM1A071030A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	110	60 - 130
Dibromofluoromethane	100	60 - 130
Toluene-d8	104	60 - 130

Analyzed by: XBian

Reviewed by: MaiChiTu

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	310		1.0	50	µg/L	N/A	N/A	10/30/2007	WGC071030

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	135	65 - 135

Analyzed by: JAbidog

Reviewed by: MaiChiTu

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Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116

Certificate of Analysis - Data Report

Samples Received: 10/29/2007
Sample Collected by: Client

Lab # : 57885-004 Sample ID: MW-204

Matrix: Liquid Sample Date: 10/29/2007 2:12 PM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	18		1.0	0.50	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Toluene	9.9		1.0	0.50	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Ethyl Benzene	11		1.0	0.50	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Xylenes, Total	34		1.0	0.50	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	10/31/2007	WM1A071031A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107	60 - 130
Dibromofluoromethane	85.5	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: XBian
Reviewed by: MaiChiTu

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	710		2.5	120	µg/L	N/A	N/A	10/30/2007	WGC071030

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	241 ***	65 - 135

Analyzed by: JAbidog
Reviewed by: MaiChiTu

*** Surrogate recovery was outside QC limits due to matrix interference.

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Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116

Certificate of Analysis - Data Report

Samples Received: 10/29/2007
Sample Collected by: Client

Lab #: 57885-005

Sample ID: W-IS

Matrix: Liquid Sample Date: 10/29/2007 2:19 PM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	19000		400	200	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Toluene	830		400	200	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Ethyl Benzene	2700		400	200	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Xylenes, Total	4000		400	200	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Methyl-t-butyl Ether	ND		400	400	µg/L	N/A	N/A	10/31/2007	WM1A071031A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107	60 - 130
Dibromofluoromethane	88.5	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: XBian

Reviewed by: MaiChiTu

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	68000		200	10000	µg/L	N/A	N/A	10/29/2007	WGC071029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	169 ***	65 - 135

Analyzed by: JAbidog

Reviewed by: MaiChiTu

*** Surrogate recovery was outside QC limits due to matrix interference.

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Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116

Certificate of Analysis - Data Report

Samples Received: 10/29/2007
Sample Collected by: Client

Lab #: 57885-006 Sample ID: W-A

Matrix: Liquid Sample Date: 10/29/2007 2:29 PM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	4000		100	50	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Toluene	330		100	50	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Ethyl Benzene	1600		100	50	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Xylenes, Total	3000		100	50	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Methyl-t-butyl Ether	ND		100	100	µg/L	N/A	N/A	10/31/2007	WM1A071031A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	109	60 - 130
Dibromofluoromethane	87.0	60 - 130
Toluene-d8	100	60 - 130

Analyzed by: XBIan

Reviewed by: MaiChiTu

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	40000		200	10000	µg/L	N/A	N/A	10/29/2007	WGC071029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	194 ***	65 - 135

Analyzed by: JAbidog

Reviewed by: MaiChiTu

*** Surrogate recovery was outside QC limits due to matrix interference.

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Attn: Jenny Wees

Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L. Street/Livermore
GlobalID: T0600100116

Certificate of Analysis - Data Report

Samples Received: 10/29/2007
Sample Collected by: Client

Lab #: 57885-007 Sample ID: MW-4

Matrix: Liquid Sample Date: 10/29/2007 1:30 PM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	24000		500	250	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Toluene	21000		500	250	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Ethyl Benzene	3800		500	250	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Xylenes, Total	19000		500	250	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Methyl-t-butyl Ether	ND		500	500	µg/L	N/A	N/A	10/31/2007	WM1A071031A
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: XBian	
4-Bromofluorobenzene	107		60 - 130					Reviewed by: MaiChiTu	
Dibromofluoromethane	87.3		60 - 130						
Toluene-d8	103		60 - 130						

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	460000		2000	100000	µg/L	N/A	N/A	10/29/2007	WGC071029
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	224 ***		65 - 135					Reviewed by: MaiChiTu	

*** Surrogate recovery was outside QC limits due to matrix interference.

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Method Blank - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC071029

Validated by: MaiChiTu - 10/30/07

QC Batch Analysis Date: 10/29/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	103	65 - 135		

LCS / LCSD - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC071029

Reviewed by: MaiChiTu - 10/30/07

QC Batch ID Analysis Date: 10/29/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	130	µg/L	104	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	121.0	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	125	µg/L	100	3.9	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	133.0	65 - 135						

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Method Blank - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC071030

Validated by: MaiChiTu - 10/31/07

QC Batch Analysis Date: 10/30/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	106	65 - 135		

LCS / LCSD - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC071030

Reviewed by: MaiChiTu - 10/31/07

QC Batch ID Analysis Date: 10/30/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	127	µg/L	102	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	116.0	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	125	µg/L	100	1.6	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	130.0	65 - 135						

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Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B

QC Batch ID: WM1A071030A

Validated by: MaiChiTu - 10/30/07

QC Batch Analysis Date: 10/30/2007

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	106	60 - 130		
Dibromofluoromethane	94.1	60 - 130		
Toluene-d8	105	60 - 130		

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LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8260B

QC Batch ID: WM1A071030A

Reviewed by: MaiChiTu - 10/30/07

QC Batch ID Analysis Date: 10/30/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	20	21.6	µg/L	108	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.5	µg/L	97.5	70 - 130
Toluene	<0.50	20	20.8	µg/L	104	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	109.0	60 - 130
Dibromofluoromethane	97.7	60 - 130
Toluene-d8	101.0	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	20	20.5	µg/L	102	5.2	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.6	µg/L	93.0	4.7	25.0	70 - 130
Toluene	<0.50	20	20.3	µg/L	102	2.4	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	106.0	60 - 130
Dibromofluoromethane	95.2	60 - 130
Toluene-d8	102.0	60 - 130

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Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B

QC Batch ID: WM1A071031A

Validated by: MaiChITu - 10/31/07

QC Batch Analysis Date: 10/31/2007

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	107	60 - 130		
Dibromofluoromethane	94.0	60 - 130		
Toluene-d8	103	60 - 130		

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LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8260B

QC Batch ID: WM1A071031A

Reviewed by: MaiChiTU - 10/31/07

QC Batch ID Analysis Date: 10/31/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	20	22.5	µg/L	112	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.7	µg/L	104	70 - 130
Toluene	<0.50	20	20.8	µg/L	104	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	114.0	60 - 130
Dibromofluoromethane	106.0	60 - 130
Toluene-d8	99.2	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	20	19.5	µg/L	97.5	14	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.1	µg/L	90.5	13	25.0	70 - 130
Toluene	<0.50	20	19.1	µg/L	95.5	8.5	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	109.0	60 - 130
Dibromofluoromethane	96.8	60 - 130
Toluene-d8	103.0	60 - 130

Entech Analytical Labs, Inc.

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Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B

QC Batch ID: WM1A071101A

Validated by: MaiChiTu - 11/02/07

QC Batch Analysis Date: 11/1/2007

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	108	60 - 130
Dibromofluoromethane	88.8	60 - 130
Toluene-d8	102	60 - 130

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LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8260B

QC Batch ID: WM1A071101A

Reviewed by: MaiChiTu - 11/02/07

QC Batch ID Analysis Date: 11/1/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	20	21.1	µg/L	106	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.0	µg/L	90.0	70 - 130
Toluene	<0.50	20	20.4	µg/L	102	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	109.0	60 - 130
Dibromofluoromethane	95.4	60 - 130
Toluene-d8	100.0	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	20	18.3	µg/L	91.5	14	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	15.6	µg/L	78.0	14	25.0	70 - 130
Toluene	<0.50	20	18.1	µg/L	90.5	12	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	104.0	60 - 130
Dibromofluoromethane	92.0	60 - 130
Toluene-d8	102.0	60 - 130

Geological Technics Inc.

1101 7th Street
 Modesto, CA
 (209) 522-4119 Fax 522-4227
 E-mail: gti@geologicaltechnics.com



57885

Chain of Custody

Project Information				No. of Containers	Matrix (Soil, Water, Gas, Other)	Preservation Type	Analysis Requested										Laboratory:					
Project #:	Client/Project Name:						TPH-6	BTEX	MTBE													
1262.2	Sullins																					
Site Address:																						
187 North 2 Street Livermore CA																						
Global ID No.:																						
7060090001 TO600100116																						
Sampled By: (print and sign name)																						
Matthew Ude Matthew Ude																						
Date	Time	Field I.D.	Sample I.D.																			
10/29	1213	001	MW-104	3	W	HCL	X	X	X													
	1318	002	MW-106	3	W	HCL	X	X	X													
	1330	003	MW-108	3	W	HCL	X	X	X													
	1412	004	MW-204	3	W	HCL	X	X	X													
	1419	005	W-15	3	W	HCL	X	X	X													
	1429	006	W-A	3	W	HCL	X	X	X													
	1330	007	MW-4	3	W	HCL	X	X	X													
																				Remarks		
																				3voas each (W/HCL)		
																				Rec'd @ Temperature: 14.5°C		
Relinquished by: (signature)				Date:	Time:	Received by: (signature)				Date:	Time:											
Matthew Ude				10/29/07	1438	[Signature]				10/29/07	1438											
Relinquished by: (signature)				Date:	Time:	Received by: (signature)				Date:	Time:											
[Signature]				10/29/07	1533	[Signature]				10/29/07	1534											
Relinquished by: (signature)				Date:	Time:	Received by: (signature)				Date:	Time:											
[Signature]						[Signature]																

Please return cooler/ice chest to Geological Technics Inc.

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Joe Angulo
Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354

Lab Certificate Number: 58855
Issued: 01/03/2008

Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore

P.O. Number: 1262-657866
Global ID: T0600100116

Certificate of Analysis - Final Report

On December 21, 2007, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	Electronic Deliverables for Geotracker TPH-Purgeable - GC : EPA 5030B / EPA 8015B VOCs: EPA 5030B / EPA 8021B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
Subcontracted work is the responsibility of the subcontract laboratory, this includes turn-around-time and data quality.
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354
Attn: Joe Angulo

Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116
P.O. Number: 1262-657866
Samples Received: 12/21/2007
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 58855-001 Sample ID: MW-3S

Matrix: Liquid Sample Date: 12/19/2007 3:09 PM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	69		1.0	50	µg/L	N/A	N/A	12/29/2007	WGC071228
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	125			65 - 135				Analyzed by: JAbidog	
								Reviewed by: MaiChiTu	

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	1.3		1.0	0.50	µg/L	N/A	N/A	12/29/2007	WGC071228
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/29/2007	WGC071228
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/29/2007	WGC071228
Xylenes, Total	ND		1.0	1.0	µg/L	N/A	N/A	12/29/2007	WGC071228
Methyl-t-butyl Ether	ND		1.0	2.0	µg/L	N/A	N/A	12/29/2007	WGC071228
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	82.3			65 - 135				Analyzed by: JAbidog	
								Reviewed by: MaiChiTu	

Lab # : 58855-002 Sample ID: W-ES

Matrix: Liquid Sample Date: 12/19/2007 10:30 AM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	12/28/2007	WGC071228
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	91.8			65 - 135				Analyzed by: JAbidog	
								Reviewed by: MaiChiTu	

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/28/2007	WGC071228
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/28/2007	WGC071228
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/28/2007	WGC071228
Xylenes, Total	ND		1.0	1.0	µg/L	N/A	N/A	12/28/2007	WGC071228
Methyl-t-butyl Ether	ND		1.0	2.0	µg/L	N/A	N/A	12/28/2007	WGC071228
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	77.1			65 - 135				Analyzed by: JAbidog	
								Reviewed by: MaiChiTu	

Entech Analytical Labs, Inc.

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Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354
Attn: Joe Angulo

Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116
P.O. Number: 1262-657866
Samples Received: 12/21/2007
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 58855-003 Sample ID: W-1

Matrix: Liquid Sample Date: 12/20/2007 12:30 PM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	140000		1000	50000	µg/L	N/A	N/A	1/2/2008	WGC080102
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	112		65	- 135				Reviewed by: MaiChiTu	

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	20000		1000	500	µg/L	N/A	N/A	1/2/2008	WGC080102
Toluene	17000		1000	500	µg/L	N/A	N/A	1/2/2008	WGC080102
Ethyl Benzene	3000		1000	500	µg/L	N/A	N/A	1/2/2008	WGC080102
Xylenes, Total	16000		1000	1000	µg/L	N/A	N/A	1/2/2008	WGC080102
Methyl-t-butyl Ether	ND		1000	2000	µg/L	N/A	N/A	1/2/2008	WGC080102
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	98.0		65	- 135				Reviewed by: MaiChiTu	

Lab # : 58855-004 Sample ID: MW-304

Matrix: Liquid Sample Date: 12/20/2007 11:30 AM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	1500		20	1000	µg/L	N/A	N/A	12/30/2007	WGC071229
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	99.3		65	- 135				Reviewed by: MaiChiTu	

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	380		20	10	µg/L	N/A	N/A	12/30/2007	WGC071229
Toluene	43		20	10	µg/L	N/A	N/A	12/30/2007	WGC071229
Ethyl Benzene	32		20	10	µg/L	N/A	N/A	12/30/2007	WGC071229
Xylenes, Total	110		20	20	µg/L	N/A	N/A	12/30/2007	WGC071229
Methyl-t-butyl Ether	ND		20	40	µg/L	N/A	N/A	12/30/2007	WGC071229
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	85.0		65	- 135				Reviewed by: MaiChiTu	

Entech Analytical Labs, Inc.

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Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354
Attn: Joe Angulo

Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116
P.O. Number: 1262-657866
Samples Received: 12/21/2007
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 58855-005 Sample ID: MW-106

Matrix: Liquid Sample Date: 12/20/2007 10:40 AM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	54		1.0	50	µg/L	N/A	N/A	12/28/2007	WGC071228
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	90.3		65 - 135					Reviewed by: MaiChiTu	

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	1.0		1.0	0.50	µg/L	N/A	N/A	12/28/2007	WGC071228
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/28/2007	WGC071228
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/28/2007	WGC071228
Xylenes, Total	ND		1.0	1.0	µg/L	N/A	N/A	12/28/2007	WGC071228
Methyl-t-butyl Ether	ND		1.0	2.0	µg/L	N/A	N/A	12/28/2007	WGC071228
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	76.7		65 - 135					Reviewed by: MaiChiTu	

Lab # : 58855-006 Sample ID: MW-307

Matrix: Liquid Sample Date: 12/19/2007 1:00 PM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	1500		20	1000	µg/L	N/A	N/A	12/30/2007	WGC071229
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	106		65 - 135					Reviewed by: MaiChiTu	

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	200		20	10	µg/L	N/A	N/A	12/30/2007	WGC071229
Toluene	50		20	10	µg/L	N/A	N/A	12/30/2007	WGC071229
Ethyl Benzene	59		20	10	µg/L	N/A	N/A	12/30/2007	WGC071229
Xylenes, Total	140		20	20	µg/L	N/A	N/A	12/30/2007	WGC071229
Methyl-t-butyl Ether	ND		20	40	µg/L	N/A	N/A	12/30/2007	WGC071229
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	86.4		65 - 135					Reviewed by: MaiChiTu	

Entech Analytical Labs, Inc.

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Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354
Attn: Joe Angulo

Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116
P.O. Number: 1262-657866
Samples Received: 12/21/2007
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 58855-007 Sample ID: MW-306

Matrix: Liquid Sample Date: 12/20/2007 9:41 AM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	12/29/2007	WGC071228
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	97.6		65	- 135				Reviewed by: MaiChiTu	

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	0.54		1.0	0.50	µg/L	N/A	N/A	12/29/2007	WGC071228
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/29/2007	WGC071228
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/29/2007	WGC071228
Xylenes, Total	ND		1.0	1.0	µg/L	N/A	N/A	12/29/2007	WGC071228
Methyl-t-butyl Ether	ND		1.0	2.0	µg/L	N/A	N/A	12/29/2007	WGC071228
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	81.0		65	- 135				Reviewed by: MaiChiTu	

Lab # : 58855-008 Sample ID: MW-404

Matrix: Liquid Sample Date: 12/19/2007 1:55 PM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	2200		20	1000	µg/L	N/A	N/A	12/30/2007	WGC071229
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	120		65	- 135				Reviewed by: MaiChiTu	

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	160		20	10	µg/L	N/A	N/A	12/30/2007	WGC071229
Toluene	63		20	10	µg/L	N/A	N/A	12/30/2007	WGC071229
Ethyl Benzene	92		20	10	µg/L	N/A	N/A	12/30/2007	WGC071229
Xylenes, Total	300		20	20	µg/L	N/A	N/A	12/30/2007	WGC071229
Methyl-t-butyl Ether	ND		20	40	µg/L	N/A	N/A	12/30/2007	WGC071229
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	86.5		65	- 135				Reviewed by: MaiChiTu	

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354
Attn: Joe Angulo

Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116
P.O. Number: 1262-657866
Samples Received: 12/21/2007
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 58855-009 Sample ID: W-BS

Matrix: Liquid Sample Date: 12/19/2007 2:48 PM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	8200		100	5000	µg/L	N/A	N/A	12/29/2007	WGC071228
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	182 ***			65 - 135					

*** Surrogate % recovery was outside QC limits due to matrix interference.

Analyzed by: JAbidog

Reviewed by: MaiChiTu

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	360		100	50	µg/L	N/A	N/A	12/29/2007	WGC071228
Toluene	ND		100	50	µg/L	N/A	N/A	12/29/2007	WGC071228
Ethyl Benzene	380		100	50	µg/L	N/A	N/A	12/29/2007	WGC071228
Xylenes, Total	ND		100	100	µg/L	N/A	N/A	12/29/2007	WGC071228
Methyl-t-butyl Ether	ND		100	200	µg/L	N/A	N/A	12/29/2007	WGC071228
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	99.4			65 - 135					

Analyzed by: JAbidog

Reviewed by: MaiChiTu

Lab # : 58855-010 Sample ID: MW-308

Matrix: Liquid Sample Date: 12/19/2007 1:25 PM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	190		2.0	100	µg/L	N/A	N/A	12/29/2007	WGC071228
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	100			65 - 135					

Analyzed by: JAbidog

Reviewed by: MaiChiTu

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	25		2.0	1.0	µg/L	N/A	N/A	12/29/2007	WGC071228
Toluene	1.5		2.0	1.0	µg/L	N/A	N/A	12/29/2007	WGC071228
Ethyl Benzene	7.2		2.0	1.0	µg/L	N/A	N/A	12/29/2007	WGC071228
Xylenes, Total	8.4		2.0	2.0	µg/L	N/A	N/A	12/29/2007	WGC071228
Methyl-t-butyl Ether	ND		2.0	4.0	µg/L	N/A	N/A	12/29/2007	WGC071228
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	78.0			65 - 135					

Analyzed by: JAbidog

Reviewed by: MaiChiTu

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Geological Technics, Inc.
1101 7th Street
Modesto, CA 95354
Attn: Joe Angulo

Project Number: 1262.2
Project Name: Sullins
Project Location: 187 N. L Street/Livermore
GlobalID: T0600100116
P.O. Number: 1262-657866
Samples Received: 12/21/2007
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 58855-011 Sample ID: MW-206

Matrix: Liquid Sample Date: 12/19/2007 2:20 PM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	84		1.0	50	µg/L	N/A	N/A	12/28/2007	WGC071228
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	90.4		65	- 135				Reviewed by: MaiChiTu	

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	0.71		1.0	0.50	µg/L	N/A	N/A	12/28/2007	WGC071228
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/28/2007	WGC071228
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/28/2007	WGC071228
Xylenes, Total	ND		1.0	1.0	µg/L	N/A	N/A	12/28/2007	WGC071228
Methyl-t-butyl Ether	ND		1.0	2.0	µg/L	N/A	N/A	12/28/2007	WGC071228
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	78.3		65	- 135				Reviewed by: MaiChiTu	

Lab # : 58855-012 Sample ID: MW-204

Matrix: Liquid Sample Date: 12/20/2007 11:10 AM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	22000		400	20000	µg/L	N/A	N/A	1/2/2008	WGC080102
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	106		65	- 135				Reviewed by: MaiChiTu	

VOCs: EPA 5030B / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	4700		400	200	µg/L	N/A	N/A	1/2/2008	WGC080102
Toluene	1100		400	200	µg/L	N/A	N/A	1/2/2008	WGC080102
Ethyl Benzene	490		400	200	µg/L	N/A	N/A	1/2/2008	WGC080102
Xylenes, Total	1400		400	400	µg/L	N/A	N/A	1/2/2008	WGC080102
Methyl-t-butyl Ether	ND		400	800	µg/L	N/A	N/A	1/2/2008	WGC080102
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JAbidog	
4-Bromofluorobenzene	83.5		65	- 135				Reviewed by: MaiChiTu	

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Method Blank - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC071228

Validated by: MaiChiTu - 01/02/08

QC Batch Analysis Date: 12/28/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	95.8	65 - 135		

Method Blank - Liquid - VOCs: EPA 5030B / EPA 8021B

QC Batch ID: WGC071228

Validated by: MaiChiTu - 01/02/08

QC Batch Analysis Date: 12/28/2007

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	2.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	1.0	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	79.7	65 - 135		

Entech Analytical Labs, Inc.

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LCS / LCSD - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC071228

Reviewed by: MaiChiTu - 01/02/08

QC Batch ID Analysis Date: 12/28/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	115	µg/L	92.0	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	117.0	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	114	µg/L	91.2	0.87	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	125.0	65 - 135						

LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8021B

QC Batch ID: WGC071228

Reviewed by: MaiChiTu - 01/02/08

QC Batch ID Analysis Date: 12/28/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	4.0	3.52	µg/L	88.0	65 - 135
Ethyl Benzene	<0.50	4.0	3.63	µg/L	90.8	65 - 135
Methyl-t-butyl Ether	<2.0	4.0	3.45	µg/L	86.2	65 - 135
Toluene	<0.50	4.0	3.56	µg/L	89.0	65 - 135
Xylenes, total	<1.0	12	10.8	µg/L	90.0	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	79.1	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	4.0	3.40	µg/L	85.0	3.5	25.0	65 - 135
Ethyl Benzene	<0.50	4.0	3.61	µg/L	90.2	0.55	25.0	65 - 135
Methyl-t-butyl Ether	<2.0	4.0	3.41	µg/L	85.2	1.2	25.0	65 - 135
Toluene	<0.50	4.0	3.49	µg/L	87.2	2.0	25.0	65 - 135
Xylenes, total	<1.0	12	10.8	µg/L	90.0	0.0	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	82.0	65 - 135						

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Method Blank - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC071229

Validated by: MaiChiTu - 01/02/08

QC Batch Analysis Date: 12/29/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	102	65 - 135		

Method Blank - Liquid - VOCs: EPA 5030B / EPA 8021B

QC Batch ID: WGC071229

Validated by: MaiChiTu - 01/02/08

QC Batch Analysis Date: 12/29/2007

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	2.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	1.0	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	88.7	65 - 135		

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LCS / LCSD - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC071229

Reviewed by: MaiChiTu - 01/02/08

QC Batch ID Analysis Date: 12/29/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	116	µg/L	92.8	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	122.0	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	114	µg/L	91.2	1.7	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	113.0	65 - 135						

LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8021B

QC Batch ID: WGC071229

Reviewed by: MaiChiTu - 01/02/08

QC Batch ID Analysis Date: 12/29/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	4.0	3.59	µg/L	89.8	65 - 135
Ethyl Benzene	<0.50	4.0	3.72	µg/L	93.0	65 - 135
Methyl-t-butyl Ether	<2.0	4.0	3.56	µg/L	89.0	65 - 135
Toluene	<0.50	4.0	3.62	µg/L	90.5	65 - 135
Xylenes, total	<1.0	12	11.2	µg/L	93.3	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	90.6	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	4.0	3.57	µg/L	89.2	0.56	25.0	65 - 135
Ethyl Benzene	<0.50	4.0	3.67	µg/L	91.8	1.4	25.0	65 - 135
Methyl-t-butyl Ether	<2.0	4.0	3.48	µg/L	87.0	2.3	25.0	65 - 135
Toluene	<0.50	4.0	3.55	µg/L	88.8	2.0	25.0	65 - 135
Xylenes, total	<1.0	12	11.0	µg/L	91.7	1.8	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	85.6	65 - 135						

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Method Blank - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC080102

Validated by: MaiChiTu - 01/03/08

QC Batch Analysis Date: 1/2/2008

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	102	65 - 135		

Method Blank - Liquid - VOCs: EPA 5030B / EPA 8021B

QC Batch ID: WGC080102

Validated by: MaiChiTu - 01/03/08

QC Batch Analysis Date: 1/2/2008

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	2.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	1.0	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	82.6	65 - 135		

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LCS / LCSD - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC080102

Reviewed by: MaiChiTu - 01/03/08

QC Batch ID Analysis Date: 1/2/2008

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	114	µg/L	91.2	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	124.0	65 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	111	µg/L	88.8	2.7	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	123.0	65 - 135

LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8021B

QC Batch ID: WGC080102

Reviewed by: MaiChiTu - 01/03/08

QC Batch ID Analysis Date: 1/2/2008

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	4.0	3.66	µg/L	91.5	65 - 135

Ethyl Benzene	<0.50	4.0	3.79	µg/L	94.8	65 - 135
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Methyl-t-butyl Ether	<2.0	4.0	3.72	µg/L	93.0	65 - 135
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Toluene	<0.50	4.0	3.59	µg/L	89.8	65 - 135
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Xylenes, total	<1.0	12	11.5	µg/L	95.8	65 - 135
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Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.9	65 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	4.0	3.49	µg/L	87.2	4.8	25.0	65 - 135

Ethyl Benzene	<0.50	4.0	3.63	µg/L	90.8	4.3	25.0	65 - 135
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Methyl-t-butyl Ether	<2.0	4.0	3.58	µg/L	89.5	3.8	25.0	65 - 135
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Toluene	<0.50	4.0	3.47	µg/L	86.8	3.4	25.0	65 - 135
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Xylenes, total	<1.0	12	11.0	µg/L	91.7	4.4	25.0	65 - 135
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Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	91.9	65 - 135

Geological Technics Inc.

1101 7th Street
 Modesto, CA
 (209) 522-4119 Fax 522-4227
 E-mail: gti@geologicaltechnics.com



Chain of Custody

Project Information				No. of Containers	Matrix (Soil, Water, Gas, Other)	Preservation Type	Analysis Requested										Laboratory:		
Project #:	Client/Project Name:						TPH - G (605) (2.50mg/l)	BTEX (602) (2.5mg/l)	M+BE (602) (2.5mg/l)										
1262.2	Sullins						58855										Temp. @ Shipping:	C°	
Site Address:																	Temp. @ Lab Receipt:	C°	
187 North L Street Livermore CA																	Purchase Order #		
Global ID No.:																	1262 - 657860		
706009000 T600100116																	EDF Report: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Sampled By: (print and sign name)																	Turnaround Time: <u>S = Standard</u>		
Daniel Wilkerson Dan																	1 day	2 day	5 day
Date	Time	Field I.D.	Sample I.D.														Remarks		
12-19-07	15:09		MW-35 °	4	W	HCL	X	X	X										
12-19-07	10:30		W-Es °	3	W														
12-20-07	12:30		W-1 °	4	W														
12-20-07	11:36		MW-304 °	4	W														
12-20-07	10:40		MW-106 °	4	W														
12-19-07	13:00		MW-307 °	4	W														
12-20-07	09:41		MW-306 °	4	W														
12-19-07	13:55		MW-404 °	4	W														
12-19-07	14:48		W-Bs °	4	W												4 VOAS each (w/HCL)		
12-19-07	13:25		MW-308 MW-308	4	W														
12-19-07	14:20		MW-206 °	4	W														
12-20-07	11:10		MW-204 °	4	W														
Relinquished by: (signature)				Date:	Time:	Received by: (signature)				Date:	Time:								
<i>[Signature]</i>				12-20-07	1630	<i>[Signature]</i>				12/20/07	1630								
Relinquished by: (signature)				Date:	Time:	Received by: (signature)				Date:	Time:								
<i>[Signature]</i>				12/21/07	911	<i>[Signature]</i>				12/21/07	0911								
Relinquished by: (signature)				Date:	Time:	Received by: (signature)				Date:	Time:								
<i>[Signature]</i>				12/21/07	1135	<i>[Signature]</i>				12/21/07	1137								

Please return cooler/ice chest to Geological Technics Inc.