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THIRD QUARTER 2006 GROUNDWATER MONITORING

ABE Petroleum LLC 17715 Mission Boulevard Hayward, California 94539

> Prepared for Mr. Paul Garg ABE Petroleum LLC

Prepared by Sierra Environmental, Inc.

October 10, 2006 Project 03-103.07 October 10, 2006 Project 03-103.07

Mr. Paul Garg ABE Petroleum LLC 33090 Mission Boulevard Union City, California 94587

Subject: Report for Third Quarter 2006 Groundwater Monitoring, ABE

Petroleum LLC, 17715 Mission Boulevard, Hayward, California

Dear Mr. Garg:

Sierra Environmental, Inc. (Sierra) is pleased to present this report summarizing the results for the third quarter 2006 groundwater monitoring at the subject location, hereafter, referred to as Site. Figure 1 shows the Site location. The groundwater monitoring was concurred by Alameda County Health Care Services (ACHCS) in a letter dated February 16, 2000, as result of gasoline impact to groundwater beneath the Site.

On September 11, 2006, Sierra obtained and recorded groundwater data, and collected groundwater samples from seven groundwater monitoring wells (MW1 through MW7) at and near the Site for chemical analysis. Sierra submitted the samples to Entech Analytical Labs, Inc. (Entech) of Santa Clara, California for chemical analysis. Entech is an independent State-certified analytical laboratory (# 2346).

GROUNDWATER MONITORING

On September 11, 2006, Sierra performed the third quarter 2006 groundwater monitoring at the Site. Sierra's field personnel measured the groundwater levels at MW1 through MW7 (Figure 2) using an electronic sounder. Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 15.99' to 19.99' feet below TOC with a northwesterly flow direction during this monitoring event. Table I presents the groundwater measurement data.

Sierra's field personnel purged the wells using bailers. pH, temperature, and electrical conductivity of groundwater were recorded during the purging activities to affirm that groundwater in the wells have stabilized. After completion of the purging, groundwater samples MW-1 through MW-7 were collected from the wells. After collection, the groundwater from each well was transferred into clean volatile organic analysis vials. The vials were sealed with Teflon-septum screw caps, labeled, placed on ice in a cooler, and delivered to Entech with chain-of-custody documentation.

All sampling and measurement equipment were washed with Liqui-Nox® (a phosphate free laboratory detergent), and rinsed with tap water at each measurement and sampling interval. Purged and wash water was stored in 55-gallon drums at a designated location at the Site. Sierra's quality assurance/quality control (QA/QC) protocol is presented in Appendix B.

CHEMICAL ANALYSIS

The samples were analyzed for TPHG using the United States Environmental Protection Agency (EPA) method GC-MS. The samples were also analyzed for benzene, toluene, ethyl benzene, total xylenes (BTEX), and fuel oxygenates using EPA method 8260B. Copies of certified analytical results and chain-of-custody documentation are presented in Appendix C. Copies of the field notes are presented in Appendix D.

ANALYTICAL RESULTS

Table II presents Summary of the analytical results.

CONCLUSION AND RECOMMENDATIONS

The concentration of TPHG was increased in MW1 through MW3 during this monitoring event. Sierra has recommended constructing an additional groundwater monitoring well down gradient of the Site at the Cal/Trans vacant property, near former soil boring (B2).

LIMITATIONS

The content and conclusion provided by Sierra in this report are based on information collected during its assessment/monitoring, which include, but are not limited to field observations and analytical results for the groundwater samples collected at the Site.

Sierra assumes that the samples collected and laboratory results are reasonably representative of the whole Site, which may not be the case at unsampled areas.

This assessment/monitoring was performed in accordance with generally accepted principles and practices of environmental engineering and assessment in Northern California at the time of the work. This report presents our professional opinion based on our findings, technical knowledge, and experience working on similar projects. No warranty, either expressed or implied, is made. The conclusions presented are based on the analytical results and current regulatory requirements. We are not responsible for the impact of any changes in environmental standards or regulations in the future.

Please feel welcome to call us if you have questions.

Very Truly Yours, Sierra Environmental, Inc.

Reza Baradaran, PE, GE Registered Geotechnical Engineer

exp. 331

Mitch Hajiaghai, REA II, CAC Project Manager

Attachments:

Table I - Groundwater Elevation Data

Table II - Analytical Results for Groundwater Samples

Figure 1 - Site Location Map

Figure 2 - Groundwater Monitoring Well Locations

Appendix A - Background Information

Appendix B - QA/QC Protocol

Appendix C - Certified Analytical Results and Chain-of-Custody Documentation

Appendix C - Field Notes

cc: Ms. Donna Drogos ACHCS (1 Copy)

R03-103.07\3rdQ2006GWMH10102006

TABLE I GROUNDWATER ELEVATION DATA

| Well ID | Measurement Date | Well Casing Diameter (in) | Well Casing Elevation (ft) | Depth to ¹ Water (ft) | Water Table ² Elevation (ft) |
|------------|---|---------------------------------|----------------------------------|--|---|
| MW1 | 8-18-00 3-30-01 6-22-01 9-20-01 12-27-01 9-24-02 12-17-02 4-2-03 6-12-03 9-29-03 12-04-03 03-09-04 6-24-04 9-09-04 12-21-04 3-16-05 6-09-05 9-22-05 12-07-05 3-10-06 6-7-06 | 2 | 99.46 | 20.32 20.30 21.91 23.56 22.59 23.69 22.75 21.15 20.64 22.95 23.70 19.80 21.44 23.30 22.92 18.99 20.02 20.69 21.90 17.85 15.91 | 79.14 79.16 77.55 75.90 76.87 75.77 76.71 78.31 78.82 76.51 75.76 79.66 78.02 76.16 76.54 80.47 79.44 78.77 77.56 81.61 43.59 |
| | 9-11-06 | | 39.30 | 18.60 | 40.90 |
| MW2 | 8-18-00 3-30-01 6-22-01 9-20-01 12-27-01 9-24-02 12-17-02 4-2-03 6-12-03 9-29-03 12-04-03 03-09-04 6-24-04 9-09-04 12-21-04 3-16-05 6-09-05 9-22-05 12-7-05 3-10-06 6-7-06 9-11-06 | 2 | 100.58 | 21.55 21.55 23.15 24.78 23.82 24.89 23.99 22.32 21.84 24.15 24.91 21.05 22.95 24.55 24.21 20.29 21.68 21.98 23.22 19.15 17.31 19.99 | 79.03 79.03 77.43 75.80 76.76 75.69 76.59 78.26 78.74 76.43 75.67 79.53 77.63 76.03 76.03 76.37 80.29 78.90 78.60 77.36 81.43 43.30 40.62 |

TABLE I **GROUNDWATER ELEVATION DATA** (CONTINUED)

| Well ID | Measurement Date | Well Casing Diameter (in) | Well Casing Elevation (ft) | Depth to Water (ft) | Water Table Elevation (ft) |
|------------|--|---------------------------------|----------------------------------|--|--|
| MW3 | 8-18-00 3-30-01 6-22-01 9-20-01 12-27-01 9-24-02 | 2 | 99.69 | 20.68 20.68 22.31 23.92 22.95 24.03 | 79.01 79.01 77.38 75.77 76.74 75.66 |
| | 12-17-02 4-2-03 6-12-03 9-29-03 12-04-03 03-09-04 | | | 23.09 21.46 20.99 23.30 24.05 20.20 | 76.60 78.23 78.70 76.39 75.64 79.49 |
| | 6-24-04 9-09-04 12-21-04 3-16-05 6-09-05 9-22-05 | | | 22.11 20.20 23.35 19.43 20.47 21.13 | 77.58 79.49 76.34 80.26 79.22 78.56 |
| | 12-7-05 3-10-06 6-7-06 9-11-06 | | 59.73 | 22.36 18.30 16.47 19.13 | 77.33 81.39 43.26 40.60 |
| MW4 | 6-7-06 9-11-06 | 2 | 59.29 | 15.71 18.40 | 43.58 40.89 |
| MW5 | 6-7-06 9-11-06 | 2 | 56.31 | 13.35 15.99 | 42.96 40.32 |
| MW6 | 6-7-06 9-11-06 | 2 | 56.63 | 13.64 16.25 | 42.99 40.38 |
| MW7 | 6-7-06 9-11-06 | 2 | 57.50 | 14.50 17.12 | 43.00 40.38 |

^{1.}

Depths to groundwater were measured to the top of the well casings Water table elevations were measured in relation to mean sea level (MSL) 2.

TABLE II
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

| Sample ID | Sample Date | Sample Location | TPHG μg/L | Benzene μg/L | Toluene μg/L | Ethylbenzene μg/L | Xylenes μg/L | MTBE μg/L |
|--------------|----------------|--------------------|--------------|-----------------|-----------------|----------------------|-----------------|--------------|
| MW-1 | 8-18-00 | MW1 | 280,000 | 10,000 | 16,000 | 11,000 | 49,000 | 4,000 |
| * | 3-30-01 | | 98,000 | 8,600 | 14,000 | 6,300 | 26,000 | 7,600 |
| * | 6-22-01 | | 110,000 | 7,500 | 12,000 | 5,700 | 24,000 | 3,800 |
| * | 9-20-01 | | 93,000 | 8,700 | 11,000 | 6,300 | 27,000 | 4,600 |
| * | 12-27-01 | | 140,000 | 7,700 | 11,000 | 6,500 | 28,000 | 7,700 |
| * | 9-24-02 | | 110,000 | 4,600 | 4,000 | 4,000 | 18,000 | 3,400 |
| * | 12-17-02 | | 110,000 | 6,600 | 6,700 | 5,400 | 23,000 | 2,900 |
| * | 4-2-03 | | 89,000 | 4,800 | 6,000 | 4,600 | 20,000 | 5,900 |
| * | 6-12-03 | | 69,000 | 4,100 | 4,300 | 3,900 | 17,000 | 4,700 |
| * | 9-29-03 | | 96,000 | 7,000 | 7,700 | 5,100 | 22,000 | 6,200 |
| * | 12-04-03 | | 110,000 | 5,800 | 5,900 | 4,300 | 18,000 | 4,500 |
| * | 03-09-04 | | 130,000 | 5,900 | 9,700 | 4,900 | 22,000 | 6,000 |
| * | 6-24-04 | | 48,000 | 5,800 | 7,500 | 4,000 | 18,000 | 4,000 |
| * | 9-09-04 | | 64,000 | 4,800 | 7,500 | 4,500 | 19,000 | 2,200 |
| * | 12-21-04 | | 53,000 | 4,800 | 6,000 | 3,600 | 15,000 | 2,600 |
| * | 3-16-05 | | 82,000 | 4,000 | 8,600 | 3,900 | 18,000 | 4,300 |
| * | 6-09-05 | | 52,000 | 3,600 | 6,400 | 3,300 | 17,000 | 3,500 |
| * | 9-22-05 | | 62,000 | 3,500 | 5,400 | 3,900 | 17,000 | 2,100 |
| * | 12-7-05 | | 40,000 | 3,300 | 7,500 | 3,700 | 18,000 | 2,500 |
| * | 3-10-06 | | 53,000 | 3,600 | 6,900 | 4,000 | 18,000 | 3,300 |
| * | 6-07-06 | | 57,000 | 4,200 | 12,000 | 3,700 | 16,000 | 3,900 |
| * | 9-11-06 | | 120,000 | 3,600 | 9,500 | 5,200 | 23,000 | 3,000 |
| MW-2 | 8-18-00 | MW2 | 290,000 | 3700 | 990 | 7,300 | 26,000 | ND^3 |
| * | 3-30-01 | | 47,000 | 3,200 | 470 | 4,500 | 13,000 | 3,100 |
| * | 6-22-01 | | 57,000 | 2,500 | 350 | 4,200 | 12,000 | 1,800 |
| * | 9-20-01 | | 42,000 | 2,300 | 230 | 4,300 | 12,000 | 2,200 |
| * | 12-27-01 | | 70,000 | 2,900 | 390 | 4,800 | 14,000 | 2,400 |
| * | 9-24-02 | | 110,000 | 1,600 | 200 | 3,400 | 9,100 | 2,500 |
| * | 12-17-02 | | 66,000 | 2,400 | 340 | 4,600 | 13,000 | 1,900 |
| * | 4-2-03 | | 29,000 | 1,000 | 130 | 2,300 | 5,100 | 2,000 |
| * | 6-12-03 | | 8,700 | 380 | 52 | 790 | 2,000 | 2,200 |
| * | 9-29-03 | | 52,000 | 1,700 | 200 | 4,500 | 9,800 | 2,300 |
| * | 12-04-03 | | 66,000 | 1,500 | 210 | 4,500 | 9,200 | 1,900 |
| * | 03-09-04 | | 61,000 | 1,500 | 2,000 | 4,200 | 8,500 | 2,200 |
| * | 6-24-04 | | 29,000 | 1,200 | 72 | 3,100 | 6,000 | 2,100 |
| . * | 9-09-04 | | 37,000 | 1,600 | 110 | 4,000 | 8,500 | 3,100 |
| * | 12-21-04 | | 27,000 | 1,400 | 84 | 3,100 | 5,400 | 3,200 |
| * | 3-16-05 | | 54,000 | 1,700 | 140 | 4,500 | 8,900 | 4,000 |
| | 6-09-05 | | 2,800 | 420 | ND | 180 | 51 5 700 | 930 |
| ı î | 9-22-05 | | 33,000 | 1,400 | ND | 3,400 | 5,700 | 2,200 |
| | 12-7-05 | | 20,000 | 1,600 | 130 | 3,400 | 6,000 | 3,000 |
| | 3-10-06 | | 34,000 | 2,100 | 170 | 4,200 | 7,500 | 4,400 |
| * | 6-07-06 | | 29,000 | 2,400 | 250 | 3,600 | 5,100 | 3,200 |
| | 9-11-06 | | 32,000 | 1,100 | 140 | 2,400 | 3,500 | 1,600 |

TABLE II
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
CONTINUED

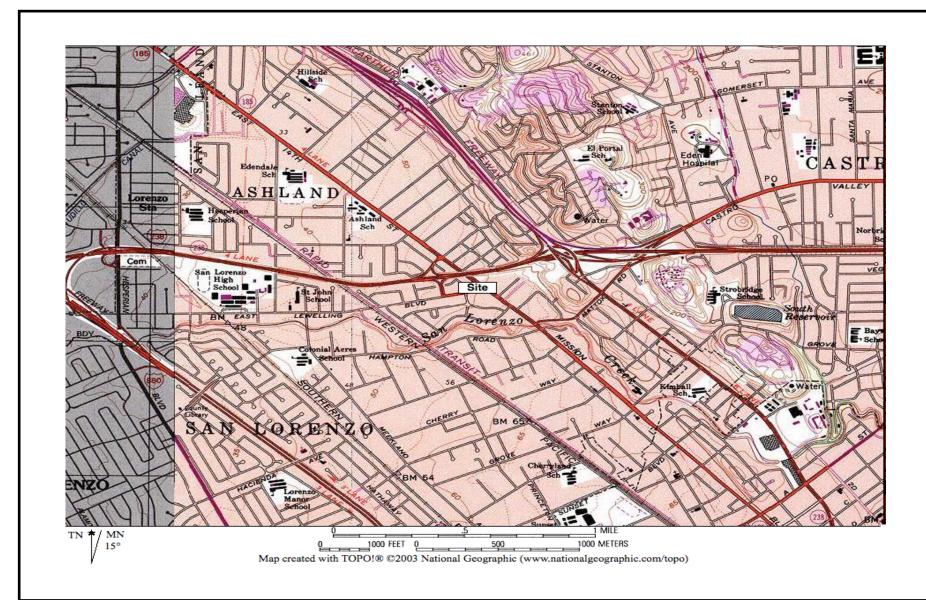
| Sample ID | Sample Date | Sample Location | TPHG μg/L | Benzene μg/L | Toluene μg/L | Ethylbenzene μg/L | Xylenes μg/L | MTBE μg/L |
|--------------|----------------|--------------------|--------------|-----------------|-----------------|----------------------|-----------------|--------------|
| MW-3 | 8-18-00 | MW3 | 46,000 | 3,200 | 550 | 3,700 | 14,000 | 2,200 |
| * | 3-30-01 | | 30,000 | 3,300 | 340 | 2,800 | 9,100 | 4,700 |
| * | 6-22-01 | | 35,000 | 4,000 | 340 | 2,900 | 7,600 | 4,100 |
| * | 9-20-01 | | 30,000 | 3,800 | 260 | 2,500 | 6,600 | 5,300 |
| * | 12-27-01 | | 39,000 | 4,400 | 340 | 3,000 | 6,700 | 5,500 |
| * | 9-24-02 | | 53,000 | 4,100 | 270 | 3,100 | 6,600 | 6,400 |
| * | 12-17-02 | | 40,000 | 3,600 | 240 | 2,200 | 5,700 | 5,200 |
| * | 4-2-03 | | 24,000 | 2,000 | 130 | 1,800 | 3,300 | 3,000 |
| * | 6-12-03 | | 26,000 | 2,700 | 180 | 2,000 | 4,200 | 5,500 |
| * | 9-29-03 | | 39,000 | 4,000 | 220 | 3,200 | 5,300 | 4,800 |
| * | 12-04-03 | | 40,000 | 3,200 | 180 | 2,200 | 4,300 | 4,400 |
| * | 03-09-04 | | 39,000 | 3,100 | 160 | 2,100 | 4,400 | 4,000 |
| * | 6-24-04 | | 21,000 | 3,000 | 110 | 2,300 | 3,800 | 3,400 |
| * | 9-09-04 | | 26,000 | 4,100 | 140 | 2,200 | 4,300 | 6,000 |
| * | 12-21-04 | | 20,000 | 3,400 | 99 | 1,700 | 2,900 | 6,400 |
| * | 3-16-05 | | 35,000 | 1,800 | 78 | 1,900 | 2,600 | 4,000 |
| * | 6-09-05 | | 2,000 | 55 | ND | 120 | 30 | 150 |
| * | 9-22-05 | | 17,000 | 2,000 | 69 | 1,500 | 1,900 | 3,500 |
| * | 12-7-05 | | 11,000 | 1,800 | 62 | 1,500 | 1,700 | 2,300 |
| * | 3-10-06 | | 9,100 | 1,100 | 24 | 990 | 810 | 1,300 |
| * | 6-07-06 | | 3,000 | 440 | 16 | 180 | 450 | 320 |
| * | 9-11-06 | | 17,000 | 1,300 | 38 | 1,000 | 1,600 | 690 |
| MW-4 | 6-7-06 | MW4 | <25 | <0.5 | <0.5 | <0.5 | <0.5 | <1 |
| * | 9-11-06 | | <25 | <0.5 | <0.5 | <0.5 | <0.5 | <1 |
| MW-5 | 6-7-06 | MW5 | <25 | <0.5 | <0.5 | <0.5 | <0.5 | <1 |
| * | 9-11-06 | _ | <25 | <0.5 | <0.5 | <0.5 | <0.5 | <1 |
| MW-6 | 6-7-06 | MW6 | <25 | <0.5 | <0.5 | <0.5 | <0.5 | <1 |
| * | 9-11-06 | | <25 | <0.5 | <0.5 | <0.5 | <0.5 | <1 |
| MW-7 | 6-7-06 | MW7 | <25 | <0.5 | <0.5 | <0.5 | <0.5 | <1 |
| * | 9-11-06 | | <25 | <0.5 | <0.5 | <0.5 | <0.5 | <1 |

1. TPHG = Total Petroleum Hydrocarbons as Gasoline

2. MTBE = Methyl Tertiary Butyl Ether

3. ND = Not Detected

The Sample was analyzed for Fuel Oxygenates using EPA Method 8260B. Analytical result is for MTBE





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SITE LOCATION MAP

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FIGURE

1

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LEGEND

B1 Proposed boring location

MW4 Groundwater Monitoring Well





Source: Pacific Aerial Surveys 3-11-05

Approximate

150'

30



SIERRA ENVIRONMENTAL, INC. Environmental Consultants

980 W. Taylor Street, San Jose, CA 95126 Phone [408]971-6758 • Fax [408]971-6759 On-Site & Off-Site Monitoring Well and Borings Locations

Third Quarter 2006 Groundwater Monitoring
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FIGURE 2
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Appendix A Background Information

BACKGROUND

On September 16, 1997, Balch Petroleum Contractors & Builders, Inc. (Balch) of Milpitas, California, removed one 2,000-gallon, two 6,000-gallon, one 10,000-gallon single-wall steel gasoline, and one 500-gallon single-wall steel waste oil USTs from the Site. Former UST locations are shown in Figure A.

No hole or damage was observed in the tanks. No groundwater was encountered in the tank excavations. After UST removal, Sierra collected soil samples from the tank excavations for chemical analysis.

Up to 2,300 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPHG) was detected in the soil samples collected from beneath the tanks at approximately 14 feet below ground surface (bgs). The soil sample locations are shown in Figure A.

On August 14, 2000, Sierra drilled three exploratory soil borings and converted them to groundwater monitoring well MW1 through MW3. The wells are approximately 35 feet deep. Sierra collected soil and groundwater samples from the borings/wells for chemical analysis. The analytical results showed up to 720 ppm TPHG, 2.2 ppm benzene, and 3.4 ppm methyl tertiary butyl ether (MTBE) in the soil samples. Up to 290000 ppb TPHG, 10000 ppb benzene, and 4300 ppb MTBE were detected in the groundwater samples. Gasoline constituents were detected in groundwater samples collected from all three monitoring wells. Groundwater monitoring well locations are shown on Figure 2.

On March 30, 2001, Sierra performed first quarter 2001 groundwater monitoring at the Site. The field and analytical results are presented in Table I and II. Groundwater was measured at approximately 20 to 21 feet from top of the well casing (TOC) at the Site with a northwesterly flow direction.

On June 22, 2001, Sierra performed second quarter 2001 groundwater monitoring at the Site. Groundwater levels were measured at approximately 22 to 23 feet below TOC with a northwesterly flow direction during this monitoring event.

On September 20, 2001, Sierra performed third quarter 2001 groundwater monitoring at the Site. Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 24 to 25 feet below TOC with a northwesterly flow direction during this monitoring event.

On December 27, 2001, Sierra performed fourth quarter 2001 groundwater monitoring at the Site. Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 22.59 to 23.82 feet below TOC with a northwesterly flow direction during this monitoring event.

On September 24, 2002, Sierra performed third quarter 2002 groundwater monitoring at the Site. Depth of groundwater was measured to the TOC. Groundwater levels were

measured at approximately 23.69 to 24.89 feet below TOC with a northwesterly flow direction during this monitoring event.

On December 17, 2002, Sierra performed fourth quarter 2002 groundwater monitoring at the Site. Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 22.75 to 23.99 feet below TOC with a northwesterly flow direction during this monitoring event.

On April 2, 2003, Sierra performed first quarter 2003 groundwater monitoring at the Site. Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 21.25 to 22.32 feet below TOC with a westerly flow direction during this monitoring event.

On June 12, 2003, Sierra performed second quarter 2003 groundwater monitoring at the site. Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 20.64 to 20.94 feet below TOC with a westerly flow direction during this monitoring event.

Sierra prepared soil and Groundwater investigation plan and addendum to the plan dated May 27 and September 10, 2003 respectively for the site. The Addendum to the plan dated September 10, 2003 is being reviewed by ACHCS.

On September 29, 2003, Sierra performed third quarter 2003 groundwater monitoring at the site. Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 22.95 to 24.15 feet below TOC with a westerly flow direction during this monitoring event.

On December 4, 2003, Sierra performed fourth quarter 2003 groundwater monitoring at the site. Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 23.70 to 24.91 feet below TOC with a westerly flow direction during this monitoring event.

On March 9, 2004, Sierra performed first quarter 2004 groundwater monitoring at the Site. Sierra's field personnel measured the groundwater levels at MW1 through MW3 (Figure 2). Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 19.80 to 20.20 feet below TOC with a northwesterly flow direction during this monitoring event. Table I presents the groundwater measurement data.

On June 24, 2004, Sierra performed second quarter 2004 groundwater monitoring at the Site. Sierra's field personnel measured the groundwater levels at MW1 through MW3 (Figure 2). Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 21.44 to 22.95 feet below TOC with a northwesterly flow direction during this monitoring event. Table I presents the groundwater measurement data.

On September 9, 2004, Sierra performed third quarter 2004 groundwater monitoring at the Site. Sierra's field personnel measured the groundwater levels at MW1 through MW3 (Figure 2). Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 23.30' to 24.55' feet below TOC with a northwesterly flow direction during this monitoring event. Table I presents the groundwater measurement data.

On December 21, 2004, Sierra performed fourth quarter 2004 groundwater monitoring at the Site. Sierra's field personnel measured the groundwater levels at MW1 through MW3 (Figure 2). Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 22.92' to 24.21' feet below TOC with a northwesterly flow direction during this monitoring event. Table I presents the groundwater measurement data.

On March 16, 2005, Sierra performed first quarter 2004 groundwater monitoring at the Site. Sierra's field personnel measured the groundwater levels at MW1 through MW3 (Figure 2). Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 18.99' to 20.29' feet below TOC with a northwesterly flow direction during this monitoring event. Table I presents the groundwater measurement data.

On June 9, 2005, Sierra performed second quarter 2005 groundwater monitoring at the Site. Sierra's field personnel measured the groundwater levels at MW1 through MW3 (Figure 2). Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 20.02' to 21.68' feet below TOC with a northwesterly flow direction during this monitoring event. Table I presents the groundwater measurement data.

On September 22, 2005, Sierra performed Third quarter 2005 groundwater monitoring at the Site. Sierra's field personnel measured the groundwater levels at MW1 through MW3 (Figure 2). Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 20.69' to 23.22' feet below TOC with a northwesterly flow direction during this monitoring event. Table I presents the groundwater measurement data.

On December 7, 2005, Sierra performed fourth quarter 2005 groundwater monitoring at the Site. Sierra's field personnel measured the groundwater levels at MW1 through MW3 (Figure 2). Depth of groundwater was measured to the TOC. Groundwater levels were measured at approximately 21.90' to 23.93' feet below TOC with a northwesterly flow direction during this monitoring event. Table I presents the groundwater measurement data.

On May 4, 2006, Sierra retained services of Vironex Environmental Services (Vironex) to drill soil boring B1 through B4 at the Jack In The Box and Cal/Trans properties. Sierra collected grab groundwater samples from the borings for chemical analysis. Up to 370 μ g/l total petroleum hydrocarbons as gasoline (TPHG), 16 μ g/l toluene 15 μ g/l ethylbenzene, and 100 μ g/l xylenes were detected in the water sample collected from

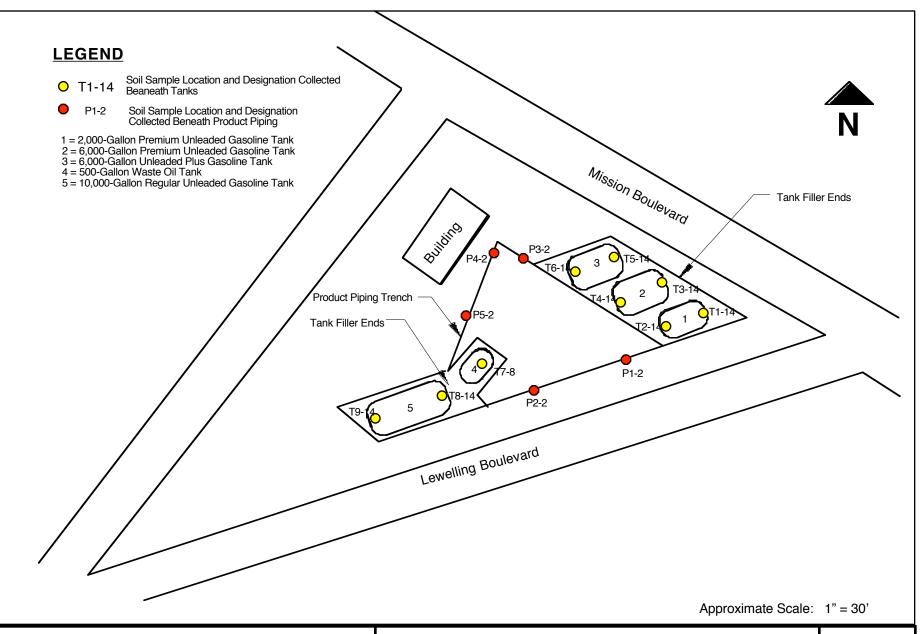
the borings (B3 and B4) advanced at the Jack In The Box property. No benzene or methyl tertiary butyl ether (MTBE) was detected in water samples collected at this property. Only 3.2 μ g/l MTBE was detected in the water samples collected from the borings advanced at the Cal/Trans properties. The MTBE was detected in boring B2 located within 300 feet northwest at hydraulic down gradient of the Site. On May 10 and 11, 2006, Sierra retained services of Hew Drilling Company, Inc. (Hew) to construct 4 groundwater monitoring wells (MW4 through MW7) at the CalTrans properties, and Langton Drive. After the well construction, Sierra had the wellheads surveyed, developed the wells, and collected groundwater samples from the wells for chemical analysis. No gasoline constituents were detected in the groundwater samples collected from the wells. The analytical results for the soil and groundwater samples collected from the boring and the wells suggest the tip of the dissolved MTBE plume in the groundwater is confined within 300 feet northwest of the Site. The length of the dissolved plume of other gasoline constituents in groundwater is shorter than the MTBE plume.

On May 10th and 11th, 2006, Sierra constructed groundwater monitoring well MW4 through MW7 at the Cal Tran properties in northwest and east of the Site and two of those monitoring wells were constructed along the Langton Drive in southwest and west of the site.

More than 72 hours after well construction, Sierra developed the wells to clean and stabilize the sand and aquifer material around the slotted section of the wells. Before the development, Sierra measured the depth of the groundwater level in the wells. The water extracted from the well during the well development activities was stored in 55-gallon drums for future proper disposal.

On July 7, 2006, Sierra retained CTL Engineering, Inc. (CTL) to survey the wellhead elevations with respect to mean sea level, as well as obtain horizontal and vertical controls using Global Positioning System (GPS). The wellhead elevations were tied to the monitoring wells MW1 through MW3 at the Site.

Based on the groundwater elevation measurements obtained on July 7, 2006, groundwater flow direction is toward northwest with an approximate gradient of 0.02 ft/ft. Figure 4 also shows groundwater elevation contour.





SIERRA ENVIRONMENTAL, INC.

Environmental Consultants

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FIGURE



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Appendix B QA/QC PROTOCOL

QA/QC PROTOCOL

Groundwater Level and Well Depth Measurements

Groundwater level and well depths are measured using electrical sounder. An electrical sounder consists of a reel, two-conductor cable, a water sensor, and a control panel with a buzzer. To measure groundwater level, the sensor is lowered into a well. A low current circuit is completed when the sensor makes contact with water. The current in the circuit is then amplified and activates a buzzer which produce an audible signal. Cable markings are divided at 0.05-foot increments. Well depths are measured to the nearest 0.01 foot. Groundwater levels are measured before and after sample collection to ensure data accuracy.

Well Purging

Low flow submersible electrical pumps or bailers are used to purge groundwater monitoring wells. Approximately 3 to 5 well casing volume of water is removed from the well as a measure to stabilize natural, and representative groundwater in each well. pH, electrical conductivity, and temperature of the purged water is measured and recorded at approximately each casing volume interval. Purge water is stabilized when pH is recorded within 0.5 unit, electrical conductivity is within 5 percent, and temperature is within 1.0 degree Celsius.

Groundwater Sampling

Groundwater samples are transferred into appropriate containers provided by certified analytical laboratories. The containers include proper preservatives, and labels with appropriate project information. Groundwater is transferred into the containers with as little agitation as possible. After collection, containers are sealed and checked to ensure that no head space or air bubbles are present in the sample.

After collection, if required, samples are kept in a cooler to be delivered to analytical laboratory with chain-of-custody documentation.

Equipment Decontamination

All sampling equipment are washed with Liqui-Nox® (a phosphate free laboratory detergent), and rinsed with tap water before each sampling event, and at each sampling interval. To reduce the risk of cross contamination, wells which have shown lower levels of contamination historically are purged and sampled first.

Analytical Procedures

Samples are analyzed by an accredited State-certified analytical laboratory using procedures prescribed by United State Environmental Protection Agency (EPA) and other Federal, State, and Local agencies. At minimum a field blank is analyzed with each group of samples for quality assurance measures. At minimum two qualified personnel review analytical results and compare them with historical data for consistency and accuracy.

Field Reports

All field observations are documented in field reports. A field report contain project information, climatic condition, contractor/subcontractor information, field observation, discussions and communications during each particular field activity. Field reports are stored in appropriate project files. Project managers review field reports to obtain necessary information regarding the status of each project on daily basis.

Appendix C CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Mitch Hajiaghai Lab Certificate Number: 51305

Sierra Environmental, Inc. Issued: 09/25/2006

980 West Taylor Street San Jose, CA 95126

Project Number: 06-103
Project Name: ABE
P.O. Number: 06-103.03
Global ID: T0600102154

Project Location: 17715 Mission Blvd

Certificate of Analysis - Final Report

On September 11, 2006, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix Test Comments

Liquid Electronic Deliverables for Geotracker

Cy

VOCs: EPA 8260B TPH-Purgeable: GC/MS

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346). If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

Erin Cunniffe Operations Manager

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Sierra Environmental, Inc. 980 West Taylor Street San Jose, CA 95126 Attn: Mitch Hajiaghai

Project Number: 06-103 Project Name: ABE

Project Location: 17715 Mission Blvd

Analyzed by: TFulton

Reviewed by: MaiChiTu

GlobalID: T0600102154
P.O. Number: 06-103.03
Samples Received: 09/11/2006
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 51305-001 **Sample ID: MW-1 Matrix:** Liquid **Sample Date:** 9/11/2006

| VOCs: EPA 8260B | | | | | | | | |
|------------------------|--------|------------|------------------------|----------|-----------|------------|---------------|-------------|
| Parameter | Result | Qual D/P-F | Detection Limit | Units | Prep Date | Prep Batch | Analysis Date | QC Batch |
| Benzene | 3600 | 200 | 100 | μg/L | N/A | N/A | 9/21/2006 | WM2A060921A |
| Toluene | 9500 | 200 | 100 | \mug/L | N/A | N/A | 9/21/2006 | WM2A060921A |
| Ethyl Benzene | 5200 | 200 | 100 | \mug/L | N/A | N/A | 9/21/2006 | WM2A060921A |
| Xylenes, Total | 23000 | 200 | 100 | \mug/L | N/A | N/A | 9/21/2006 | WM2A060921A |
| Methyl-t-butyl Ether | 3000 | 200 | 200 | \mug/L | N/A | N/A | 9/21/2006 | WM2A060921A |
| tert-Butyl Ethyl Ether | ND | 200 | 1000 | \mug/L | N/A | N/A | 9/21/2006 | WM2A060921A |
| tert-Butanol (TBA) | ND | 200 | 2000 | \mug/L | N/A | N/A | 9/21/2006 | WM2A060921A |
| Diisopropyl Ether | ND | 200 | 1000 | \mug/L | N/A | N/A | 9/21/2006 | WM2A060921A |
| tert-Amyl Methyl Ether | ND | 200 | 1000 | \mug/L | N/A | N/A | 9/21/2006 | WM2A060921A |

SurrogateSurrogate RecoveryControl Limits (%)4-Bromofluorobenzene11060-130Dibromofluoromethane12760-130Toluene-d810660-130

| TITI Targeable: Genia | | | | | | | | | |
|-----------------------|--------------------|------|-----------|------------------------|-------|-----------|------------|----------------------|-------------|
| Parameter | Result | Qual | D/P-F | Detection Limit | Units | Prep Date | Prep Batch | Analysis Date | QC Batch |
| TPH as Gasoline | 120000 | | 200 | 5000 | μg/L | N/A | N/A | 9/21/2006 | WM2A060921A |
| Surrogate | Surrogate Recovery | | Control 1 | Limits (%) | | | | Analyzed by: TFul | ton |
| 4-Bromofluorobenzene | 126 | | 60 - | - 130 | | | | Reviewed by: Mai | ChiTu |
| Dibromofluoromethane | 115 | | 60 - | - 130 | | | | | |
| Toluene-d8 | 104 | | 60 - | - 130 | | | | | |

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Sierra Environmental, Inc. 980 West Taylor Street San Jose, CA 95126 Attn: Mitch Hajiaghai

Project Number: 06-103 Project Name: ABE

Project Location: 17715 Mission Blvd

Analyzed by: TFulton
Reviewed by: MaiChiTu

GlobalID: T0600102154
P.O. Number: 06-103.03
Samples Received: 09/11/2006
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 51305-002 Sample ID: MW-2 Matrix: Liquid Sample Date: 9/11/2006

| VOCs: EPA 8260B | | | | | | | | | |
|------------------------|--------|------|-------|------------------------|------------|-----------|------------|---------------|-------------|
| Parameter | Result | Qual | D/P-F | Detection Limit | Units | Prep Date | Prep Batch | Analysis Date | QC Batch |
| Benzene | 1100 | | 50 | 25 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Toluene | 140 | | 50 | 25 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Ethyl Benzene | 2400 | | 50 | 25 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Xylenes, Total | 3500 | | 50 | 25 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Methyl-t-butyl Ether | 1600 | | 50 | 50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butyl Ethyl Ether | ND | | 50 | 250 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butanol (TBA) | ND | | 50 | 500 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Diisopropyl Ether | ND | | 50 | 250 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Amyl Methyl Ether | ND | | 50 | 250 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |

| Surrogate | Surrogate Recovery | Control | l Li | mits (%) | |
|----------------------|--------------------|---------|------|----------|--|
| 4-Bromofluorobenzene | 107 | 60 | - | 130 | |
| Dibromofluoromethane | 115 | 60 | - | 130 | |
| Toluene-d8 | 106 | 60 | - | 130 | |

| 11 11-1 digeable. Germo | | | | | | | | | |
|-------------------------|--------------------|------|---------|------------------------|------------|-----------|------------|-------------------|-------------|
| Parameter | Result | Qual | D/P-F | Detection Limit | Units | Prep Date | Prep Batch | Analysis Date | QC Batch |
| TPH as Gasoline | 32000 | | 50 | 1200 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Surrogate | Surrogate Recovery | | Control | Limits (%) | | | | Analyzed by: TFul | lton |
| 4-Bromofluorobenzene | 122 | | 60 | - 130 | | | | Reviewed by: Mai | ChiTu |
| Dibromofluoromethane | 104 | | 60 | - 130 | | | | | |
| Toluene-d8 | 104 | | 60 | - 130 | | | | | |

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Sierra Environmental, Inc. 980 West Taylor Street San Jose, CA 95126 Attn: Mitch Hajiaghai

Project Number: 06-103 Project Name: ABE

Project Location: 17715 Mission Blvd

GlobalID: T0600102154
P.O. Number: 06-103.03
Samples Received: 09/11/2006
Sample Collected by: Client

Certificate of Analysis - Data Report

Sample ID: MW-3

Matrix: Liquid Sample Date: 9/11/2006

| VOCs: EPA 8260B | | | | | | | | | |
|------------------------|--------|------|-------|------------------------|-------|-----------|------------|---------------|-------------|
| Parameter | Result | Qual | D/P-F | Detection Limit | Units | Prep Date | Prep Batch | Analysis Date | QC Batch |
| Benzene | 1300 | | 20 | 10 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Toluene | 38 | | 20 | 10 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Ethyl Benzene | 1000 | | 20 | 10 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Xylenes, Total | 1600 | | 20 | 10 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Methyl-t-butyl Ether | 690 | | 20 | 20 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butyl Ethyl Ether | ND | | 20 | 100 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butanol (TBA) | 2800 | | 20 | 200 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Diisopropyl Ether | ND | | 20 | 100 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Amyl Methyl Ether | ND | | 20 | 100 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |

SurrogateSurrogate RecoveryControl Limits (%)4-Bromofluorobenzene10860-130Dibromofluoromethane11660-130Toluene-d810660-130

Analyzed by: TFulton

Reviewed by: MaiChiTu

TPH-Purgeable: GC/MS

Lab #: 51305-003

| Parameter | Result Q | ual | D/P-F | Detection Limit | Units | Prep Date | Prep Batch | Analysis Date | QC Batch |
|----------------------|--------------------|-----|---------|------------------------|-------|-----------|------------|----------------------|-------------|
| TPH as Gasoline | 17000 | | 20 | 500 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Surrogate | Surrogate Recovery | • | Control | Limits (%) | | | | Analyzed by: TFul | ton |
| 4-Bromofluorobenzene | 124 | | 60 | - 130 | | | | Reviewed by: Mai | ChiTu |
| Dibromofluoromethane | 104 | | 60 | - 130 | | | | | |
| Toluene-d8 | 104 | | 60 | - 130 | | | | | |

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Sierra Environmental, Inc. 980 West Taylor Street San Jose, CA 95126 Attn: Mitch Hajiaghai

Project Number: 06-103 Project Name: ABE

Project Location: 17715 Mission Blvd

Analyzed by: TFulton

Reviewed by: MaiChiTu

GlobalID: T0600102154 P.O. Number: 06-103.03 Samples Received: 09/11/2006 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 51305-004 **Sample ID: MW-4 Matrix:** Liquid **Sample Date:** 9/11/2006

| VOCs: 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 | 9/21/2006 | WM2B060921B |
| Toluene | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Ethyl Benzene | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Xylenes, Total | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Methyl-t-butyl Ether | ND | | 1.0 | 1.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butyl Ethyl Ether | ND | | 1.0 | 5.0 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butanol (TBA) | ND | | 1.0 | 10 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Diisopropyl Ether | ND | | 1.0 | 5.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Amyl Methyl Ether | ND | | 1.0 | 5.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |

SurrogateSurrogate RecoveryControl Limits (%)4-Bromofluorobenzene10460-130Dibromofluoromethane11960-130Toluene-d810560-130

| Parameter | Result | Qual | D/P-F | Detection Limit | Units | Prep Date | Prep Batch | Analysis Date | QC Batch |
|----------------------|--------------------|------|-----------|------------------------|-------|-----------|------------|-------------------|-------------|
| TPH as Gasoline | ND | | 1.0 | 25 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Surrogate | Surrogate Recovery | , | Control 1 | Limits (%) | | | | Analyzed by: TFul | ton |
| 4-Bromofluorobenzene | 119 | | 60 - | 130 | | | | Reviewed by: Mai | ChiTu |
| Dibromofluoromethane | 107 | | 60 - | 130 | | | | | |
| Toluene-d8 | 104 | | 60 - | 130 | | | | | |

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Sierra Environmental, Inc. 980 West Taylor Street San Jose, CA 95126 Attn: Mitch Hajiaghai

Project Number: 06-103 Project Name: ABE

Project Location: 17715 Mission Blvd

Analyzed by: TFulton

GlobalID: T0600102154
P.O. Number: 06-103.03
Samples Received: 09/11/2006
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 51305-005 **Sample ID: MW-5 Matrix:** Liquid **Sample Date:** 9/11/2006

| VOCs: 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 | 9/21/2006 | WM2B060921B |
| Toluene | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Ethyl Benzene | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Xylenes, Total | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Methyl-t-butyl Ether | ND | | 1.0 | 1.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butyl Ethyl Ether | ND | | 1.0 | 5.0 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butanol (TBA) | ND | | 1.0 | 10 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Diisopropyl Ether | ND | | 1.0 | 5.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Amyl Methyl Ether | ND | | 1.0 | 5.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |

SurrogateSurrogate RecoveryControl Limits (%)4-Bromofluorobenzene10360-130Dibromofluoromethane11860-130Toluene-d810460-130

Bromofluorobenzene 103 60 - 130 Reviewed by: MaiChiTu ibromofluoromethane 118 60 - 130

| Parameter | Result C | Qual | D/P-F | Detection Limit | Units | Prep Date | Prep Batch | Analysis Date | QC Batch |
|----------------------|--------------------|------|-----------|------------------------|-------|-----------|------------|-------------------|-------------|
| TPH as Gasoline | ND | | 1.0 | 25 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Surrogate | Surrogate Recovery | (| Control 1 | Limits (%) | | | | Analyzed by: TFul | ton |
| 4-Bromofluorobenzene | 118 | | 60 - | 130 | | | | Reviewed by: Mai | ChiTu |
| Dibromofluoromethane | 107 | | 60 - | 130 | | | | | |
| Toluene-d8 | 102 | | 60 - | 130 | | | | | |

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Sierra Environmental, Inc. 980 West Taylor Street San Jose, CA 95126 Attn: Mitch Hajiaghai

Project Number: 06-103 Project Name: ABE

Project Location: 17715 Mission Blvd

Analyzed by: TFulton

Reviewed by: MaiChiTu

GlobalID: T0600102154 P.O. Number: 06-103.03 Samples Received: 09/11/2006 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 51305-006 Sample ID: MW-6 Matrix: Liquid Sample Date: 9/11/2006

| VOCs: 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 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Toluene | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Ethyl Benzene | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Xylenes, Total | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Methyl-t-butyl Ether | ND | | 1.0 | 1.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butyl Ethyl Ether | ND | | 1.0 | 5.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butanol (TBA) | ND | | 1.0 | 10 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Diisopropyl Ether | ND | | 1.0 | 5.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Amyl Methyl Ether | ND | | 1.0 | 5.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |

SurrogateSurrogate RecoveryControl Limits (%)4-Bromofluorobenzene10160-130Dibromofluoromethane11860-130Toluene-d810460-130

| Parameter | Result | Qual | D/P-F | Detection Limit | Units | Prep Date | Prep Batch | Analysis Date | QC Batch |
|----------------------|--------------------|------|-----------|------------------------|-------|-----------|------------|-------------------|-------------|
| TPH as Gasoline | ND | | 1.0 | 25 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Surrogate | Surrogate Recovery | | Control 1 | Limits (%) | | | | Analyzed by: TFul | ton |
| 4-Bromofluorobenzene | 116 | | 60 - | - 130 | | | | Reviewed by: Mai | ChiTu |
| Dibromofluoromethane | 107 | | 60 - | - 130 | | | | | |
| Toluene-d8 | 102 | | 60 - | - 130 | | | | | |

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Sierra Environmental, Inc. 980 West Taylor Street San Jose, CA 95126 Attn: Mitch Hajiaghai

Project Number: 06-103 Project Name: ABE

Project Location: 17715 Mission Blvd

Analyzed by: TFulton

Reviewed by: MaiChiTu

GlobalID: T0600102154
P.O. Number: 06-103.03
Samples Received: 09/11/2006
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 51305-007 **Sample ID: MW-7 Matrix:** Liquid **Sample Date:** 9/11/2006

| VOCs: 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 | 9/21/2006 | WM2B060921B |
| Toluene | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Ethyl Benzene | ND | | 1.0 | 0.50 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Xylenes, Total | ND | | 1.0 | 0.50 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Methyl-t-butyl Ether | ND | | 1.0 | 1.0 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butyl Ethyl Ether | ND | | 1.0 | 5.0 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Butanol (TBA) | ND | | 1.0 | 10 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |
| Diisopropyl Ether | ND | | 1.0 | 5.0 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| tert-Amyl Methyl Ether | ND | | 1.0 | 5.0 | $\mu g/L$ | N/A | N/A | 9/21/2006 | WM2B060921B |

SurrogateSurrogate RecoveryControl Limits (%)4-Bromofluorobenzene10160-130Dibromofluoromethane11360-130Toluene-d810260-130

| 11 11-1 digeable. Germo | | | | | | | | | |
|-------------------------|--------------------|------|---------|------------------------|-------|-----------|------------|-------------------|-------------|
| Parameter | Result | Qual | D/P-F | Detection Limit | Units | Prep Date | Prep Batch | Analysis Date | QC Batch |
| TPH as Gasoline | ND | | 1.0 | 25 | μg/L | N/A | N/A | 9/21/2006 | WM2B060921B |
| Surrogate | Surrogate Recovery | , | Control | Limits (%) | | | | Analyzed by: TFul | lton |
| 4-Bromofluorobenzene | 115 | | 60 | - 130 | | | | Reviewed by: Mai | ChiTu |
| Dibromofluoromethane | 103 | | 60 | - 130 | | | | | |
| Toluene-d8 | 101 | | 60 | - 130 | | | | | |

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Method Blank - Liquid - VOCs: EPA 8260B

QC Batch ID: WM2A060921A Validated by: MaiChiTu - 09/25/06

QC Batch Analysis Date: 9/21/2006

| Parameter | Result | DF | PQLR | Units |
|------------------------|--------|----|------|-------|
| Benzene | ND | 1 | 0.50 | μg/L |
| Diisopropyl Ether | ND | 1 | 5.0 | μg/L |
| Ethyl Benzene | ND | 1 | 0.50 | μg/L |
| Methyl-t-butyl Ether | ND | 1 | 1.0 | μg/L |
| tert-Amyl Methyl Ether | ND | 1 | 5.0 | μg/L |
| tert-Butanol (TBA) | ND | 1 | 10 | μg/L |
| tert-Butyl Ethyl Ether | ND | 1 | 5.0 | 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 | 100 | 60 | - | 130 | |
| Dibromofluoromethane | 112 | 60 | - | 130 | |
| Toluene-d8 | 103 | 60 | _ | 130 | |

Method Blank - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2A060921A Validated by: MaiChiTu - 09/25/06

QC Batch Analysis Date: 9/21/2006

| Parameter | Result | DF | PQLR | Units |
|-----------------|--------|----|------|-------|
| TPH as Gasoline | ND | 1 | 25 | μg/L |

| Surrogate for Blank | % Recovery | Control Limits | | | |
|----------------------|------------|-----------------------|---|-----|--|
| 4-Bromofluorobenzene | 114 | 60 | - | 130 | |
| Dibromofluoromethane | 102 | 60 | - | 130 | |
| Toluene-d8 | 102 | 60 | - | 130 | |

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LCS / LCSD - Liquid - VOCs: EPA 8260B

QC Batch ID: WM2A060921AReviewed by: MaiChiTu - 09/25/06

QC Batch ID Analysis Date: 9/21/2006

| Parameter | Method Blank | Spike Amt | SpikeResult | Units | % Recovery | Recovery Limits |
|----------------------|---------------|---------------|-------------|-------|------------|-----------------|
| 1,1-Dichloroethene | < 0.50 | 20 | 18.8 | μg/L | 94.1 | 70 - 130 |
| Benzene | <0.50 | 20 | 20.0 | μg/L | 100 | 70 - 130 |
| Chlorobenzene | <0.50 | 20 | 20.9 | μg/L | 104 | 70 - 130 |
| Methyl-t-butyl Ether | <1.0 | 20 | 19.1 | μg/L | 95.7 | 70 - 130 |
| Toluene | < 0.50 | 20 | 19.6 | μg/L | 98.2 | 70 - 130 |
| Trichloroethene | <0.50 | 20 | 19.6 | μg/L | 97.9 | 70 - 130 |
| Surrogate | % Recovery Co | ontrol Limits | | | | |
| 4 TO CI 1 | 100.0 | 120 | | | | |

| Surrogate | % Recovery | Control Limit | | | |
|----------------------|------------|---------------|--|--|--|
| 4-Bromofluorobenzene | 108.0 | 60 - 130 | | | |
| Dibromofluoromethane | 115.0 | 60 - 130 | | | |
| Toluene-d8 | 102.0 | 60 - 130 | | | |

LCSD

| Parameter | Method Blank | Spike Amt | SpikeResult | Units | % Recovery | RPD | RPD Limits | Recovery Limits |
|----------------------|--------------|-----------|-------------|-------|------------|-----|-------------------|-----------------|
| 1,1-Dichloroethene | < 0.50 | 20 | 18.3 | μg/L | 91.4 | 2.9 | 25.0 | 70 - 130 |
| Benzene | < 0.50 | 20 | 19.4 | μg/L | 97.1 | 3.0 | 25.0 | 70 - 130 |
| Chlorobenzene | < 0.50 | 20 | 19.8 | μg/L | 98.8 | 5.4 | 25.0 | 70 - 130 |
| Methyl-t-butyl Ether | <1.0 | 20 | 20.8 | μg/L | 104 | 8.2 | 25.0 | 70 - 130 |
| Toluene | < 0.50 | 20 | 18.9 | μg/L | 94.6 | 3.8 | 25.0 | 70 - 130 |
| Trichloroethene | < 0.50 | 20 | 19.1 | μg/L | 95.6 | 2.3 | 25.0 | 70 - 130 |

| Surrogate | % Recovery | Control Limi | | | |
|----------------------|------------|--------------|---|-----|--|
| 4-Bromofluorobenzene | 109.0 | 60 | - | 130 | |
| Dibromofluoromethane | 116.0 | 60 | - | 130 | |
| Toluene-d8 | 102.0 | 60 | - | 130 | |

LCS / LCSD - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2A060921AReviewed by: MaiChiTu - 09/25/06

QC Batch ID Analysis Date: 9/21/2006

LCS

| Parameter | Method B | lank Spike Amt | SpikeResult | Units | % Recovery | Recovery Limits |
|----------------------|------------|-----------------------|-------------|-------|------------|-----------------|
| TPH as Gasoline | <25 | 250 | 245 | μg/L | 98.0 | 65 - 135 |
| Surrogate | % Recovery | Control Limits | | | | |
| 4-Bromofluorobenzene | 119.0 | 60 - 130 | | | | |
| Dibromofluoromethane | 100.0 | 60 - 130 | | | | |
| Toluene-d8 | 103.0 | 60 - 130 | | | | |

LCSD

| Parameter | Method BI | ank Spike Amt | SpikeResult | Units | % Recovery | RPD | RPD Limits | Recovery Limits |
|----------------------|------------|-----------------------|-------------|-------|------------|-----|------------|-----------------|
| TPH as Gasoline | <25 | 250 | 261 | μg/L | 104 | 6.4 | 25.0 | 65 - 135 |
| Surrogate | % Recovery | Control Limits | | | | | | |
| 4-Bromofluorobenzene | 119.0 | 60 - 130 | | | | | | |
| Dibromofluoromethane | 101.0 | 60 - 130 | | | | | | |
| Toluene-d8 | 102.0 | 60 - 130 | | | | | | |

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Method Blank - Liquid - VOCs: EPA 8260B

QC Batch ID: WM2B060921BValidated by: MaiChiTu - 09/25/06

QC Batch Analysis Date: 9/21/2006

| Parameter | Result | DF | PQLR | Units |
|------------------------|--------|----|------|-------|
| Benzene | ND | 1 | 0.50 | μg/L |
| Diisopropyl Ether | ND | 1 | 5.0 | μg/L |
| Ethyl Benzene | ND | 1 | 0.50 | μg/L |
| Methyl-t-butyl Ether | ND | 1 | 1.0 | μg/L |
| tert-Amyl Methyl Ether | ND | 1 | 5.0 | μg/L |
| tert-Butanol (TBA) | ND | 1 | 10 | μg/L |
| tert-Butyl Ethyl Ether | ND | 1 | 5.0 | 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 | 105 | 60 | - | 130 | |
| Dibromofluoromethane | 119 | 60 | - | 130 | |
| Toluene-d8 | 106 | 60 | _ | 130 | |

Method Blank - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2B060921BValidated by: MaiChiTu - 09/25/06

QC Batch Analysis Date: 9/21/2006

| Parameter | Result | DF | PQLR | Units |
|-----------------|--------|----|------|-------|
| TPH as Gasoline | ND | 1 | 25 | μg/L |

| Surrogate for Blank | % Recovery | Control Limits | | | |
|----------------------|------------|----------------|---|-----|--|
| 4-Bromofluorobenzene | 120 | 60 | - | 130 | |
| Dibromofluoromethane | 108 | 60 | - | 130 | |
| Toluene-d8 | 104 | 60 | _ | 130 | |

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LCS / LCSD - Liquid - VOCs: EPA 8260B

QC Batch ID: WM2B060921BReviewed by: MaiChiTu - 09/25/06

QC Batch ID Analysis Date: 9/21/2006

| ı | | $\boldsymbol{\sim}$ | ۰ | e |
|---|---|---------------------|---|---|
| L | _ | v | • | J |

| Parameter | Method Blank | Spike Amt | SpikeResult | Units | % Recovery | Recovery Limits |
|----------------------|--------------|---------------|-------------|-------|------------|-----------------|
| 1,1-Dichloroethene | < 0.50 | 20 | 20.7 | μg/L | 103 | 70 - 130 |
| Benzene | < 0.50 | 20 | 20.9 | μg/L | 104 | 70 - 130 |
| Chlorobenzene | < 0.50 | 20 | 21.3 | μg/L | 106 | 70 - 130 |
| Methyl-t-butyl Ether | <1.0 | 20 | 22.4 | μg/L | 112 | 70 - 130 |
| Toluene | < 0.50 | 20 | 20.8 | μg/L | 104 | 70 - 130 |
| Trichloroethene | <0.50 | 20 | 20.7 | μg/L | 104 | 70 - 130 |
| Surrogate | % Recovery C | ontrol Limits | | | | |
| 4-Bromofluorobenzene | 110.0 | 60 - 130 | | | | |
| Dibromofluoromethane | 116.0 | 60 - 130 | | | | |
| Toluene-d8 | 104.0 | 60 - 130 | | | | |

LCSD

| Parameter | Method Blank | Spike Amt | SpikeResult | Units | % Recovery | RPD | RPD Limits | Recovery Limits |
|----------------------|--------------|-----------|-------------|-------|------------|------|------------|-----------------|
| 1,1-Dichloroethene | < 0.50 | 20 | 21.0 | μg/L | 105 | 1.5 | 25.0 | 70 - 130 |
| Benzene | < 0.50 | 20 | 21.1 | μg/L | 106 | 1.4 | 25.0 | 70 - 130 |
| Chlorobenzene | < 0.50 | 20 | 21.3 | μg/L | 107 | 0.16 | 25.0 | 70 - 130 |
| Methyl-t-butyl Ether | <1.0 | 20 | 23.5 | μg/L | 117 | 4.8 | 25.0 | 70 - 130 |
| Toluene | < 0.50 | 20 | 21.0 | μg/L | 105 | 0.75 | 25.0 | 70 - 130 |
| Trichloroethene | < 0.50 | 20 | 20.8 | μg/L | 104 | 0.53 | 25.0 | 70 - 130 |

| Surrogate | % Recovery | Control Limits | | | | |
|----------------------|------------|-----------------------|---|-----|--|--|
| 4-Bromofluorobenzene | 111.0 | 60 | - | 130 | | |
| Dibromofluoromethane | 118.0 | 60 | - | 130 | | |
| Toluene-d8 | 106.0 | 60 | - | 130 | | |

LCS / LCSD - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2B060921BReviewed by: MaiChiTu - 09/25/06

QC Batch ID Analysis Date: 9/21/2006

LCS

| Parameter | Method Blan | Spike Amt | SpikeResult | Units | % Recovery | Recovery Limits |
|----------------------|-------------|---------------|-------------|-------|------------|-----------------|
| TPH as Gasoline | <25 | 250 | 274 | μg/L | 110 | 65 - 135 |
| Surrogate | % Recovery | ontrol Limits | | | | |
| 4-Bromofluorobenzene | 123.0 | 60 - 130 | | | | |
| Dibromofluoromethane | 106.0 | 60 - 130 | | | | |
| Toluene-d8 | 104.0 | 60 - 130 | | | | |

| , |
|---|
| |

| Parameter | Method BI | ank Spike Amt | SpikeResult | Units | % Recovery | RPD | RPD Limits | Recovery Limits |
|----------------------|------------|-----------------------|-------------|-------|------------|-----|------------|-----------------|
| TPH as Gasoline | <25 | 250 | 279 | μg/L | 112 | 1.7 | 25.0 | 65 - 135 |
| Surrogate | % Recovery | Control Limits | | | | | | |
| 4-Bromofluorobenzene | 123.0 | 60 - 130 | | | | | | |
| Dibromofluoromethane | 104.0 | 60 - 130 | | | | | | |
| Toluene-d8 | 103.0 | 60 - 130 | | | | | | |

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MS / MSD - Liquid - VOCs: EPA 8260B

QC Batch ID: WM2B060921BReviewed by: MaiChiTu - 09/25/06

QC Batch ID Analysis Date: 9/21/2006 MS Sample Spiked: 51305-007

| | Sample | Spike | Spike | | Analysis | | Recovery |
|----------------------|--------|--------|--------|-------|-----------|------------|----------|
| Parameter | Result | Amount | Result | Units | Date | % Recovery | Limits |
| Benzene | ND | 20 | 20.1 | μg/L | 9/21/2006 | 100 | 70 - 130 |
| Methyl-t-butyl Ether | ND | 20 | 20.7 | μg/L | 9/21/2006 | 104 | 70 - 130 |
| Toluene | ND | 20 | 20.2 | μg/L | 9/21/2006 | 101 | 70 - 130 |

| Surrogate | % Recovery | Control Limits | | | | |
|----------------------|------------|----------------|---|-----|--|--|
| 4-Bromofluorobenzene | 108.0 | 60 | - | 130 | | |
| Dibromofluoromethane | 113.0 | 60 | - | 130 | | |
| Toluene-d8 | 104.0 | 60 | - | 130 | | |

MSD Sample Spiked: 51305-007

| | Sample | Spike | Spike | | Analysis | | | | Recovery |
|----------------------|--------|--------|--------|-------|-----------|------------|------|-------------------|----------|
| Parameter | Result | Amount | Result | Units | Date | % Recovery | RPD | RPD Limits | Limits |
| Benzene | ND | 20 | 19.9 | μg/L | 9/21/2006 | 99.3 | 1.2 | 25.0 | 70 - 130 |
| Methyl-t-butyl Ether | ND | 20 | 20.8 | μg/L | 9/21/2006 | 104 | 0.31 | 25.0 | 70 - 130 |
| Toluene | ND | 20 | 19.9 | μg/L | 9/21/2006 | 99.6 | 1.6 | 25.0 | 70 - 130 |

| Surrogate | % Recovery | Control Limits | | | | |
|----------------------|------------|-----------------------|--|--|--|--|
| 4-Bromofluorobenzene | 107.0 | 60 - 130 | | | | |
| Dibromofluoromethane | 113.0 | 60 - 130 | | | | |
| Toluene-d8 | 103.0 | 60 - 130 | | | | |

Lals# 51305



SIERRA ENVIRONMENTAL, INC

| | | | | | CHAIN | | | Spirit Mark Spirit | | | | |
|-------------|-----------------|------------------|--------------|---------------------|--------------------------------|--------------|--------------------|--------------------|--|---------|-----------------------------|---------------|
| Project Na | me: | ABE | | ļ. | Project No: | ළද 03= | - 103.0 103:00 | 3 | | | -11-06 | |
| , | | 17715 Mis | sion Bou | ilevard | Client: | Pa | ul Garg | | Samı | oler: _ | mike | |
| Sample | Date Sampled | Sampling Time | Matrix | N° of Containers | | | Analysis Requested | | | i. | Turna | round Time |
| | | | | | 8015/8020 TPHG BTEX,MTBE | 8015 TPHD | 418.1 TRPH | BTEX 8020 | TPHG BTEX, Fuel Oxygenates 8260 | | | |
| MW-1 | 9-11-06 | 001 | water | 3 | | | | (| X | | 24-hour Other | Normal |
| MW-2 | × | 1002 | · × | × | | | è | | × | | 24-hour Other | Normal |
| MW-3 | X | -003 | X | × | | | | | X | | 24-hour Other 24-hour | Normal Normal |
| MW-Ct | × | 004 | × | × | | | | | × | | 24-1001 Other 24-hour | Normal |
| MW-5 | × | 005 | × | X | | | | <u></u> | <u> </u> | | Other | |
| MW-6 | 火 | 006 | X | X | | | | | X | | 24-hour Other | Normal |
| MW-7 | | 1007 | У | × | | | | | 1 2 | <u></u> | 24-hour Other | Normal |
| Remarks: | * Sample | s Conta | in president | s in Ex | OF Form | at h | mar. | -sierr | a@sbcg | lobal, | net global I | 9# T0600\02 |
| Relinquishe | ed by | | (| Date // 1/0 | 6 13 | Time ?Y\$ | V | ne J | Meser | | 9911/0 | 6 134 |

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Appendix D FIELD NOTES



Fit or

GROUNDWATER MONITORING DATA FORM

| Project No: | | ١ | | ion Blud | Well Wea | II Nº: | MW | - 11 - 15 3 unn | | |
|--------------------------------------|--------------------------|----|-----------------------|----------------------|-------------|--------|------------|--------------------|------------------------|------------------------|
| PURGE WATER VOLUME CALCULATION | Total Well Depth (ft) | | Depth to Vater (ft | Water Column (ft) | | | Multiplier | | Casing Volume (gal) | Purged Volume (gal) |
| CALCULATION | 33.25 | 1. | ولمه كا | 14,65 | 2" 0.1 | + | 4 " | 6" | 2.34 | 7.0 |
| Purge Method: | Method: Bailer Meas | | | | | | ence: | Toc | | |
| Time | | | | | | | | | | |
| Volume Purged (gal) | | | 0 | 2.5 | 5 | 5.0 | | 7.0 | | |
| Temperature (° F) | | | 69,3 | - | | 68. | | 68.3 | | |
| pH | | | 6.5 | 3 6.48 | , | 6,4 | | 6.38 | | |
| Specific Conductivity (u | mhos/cm) | | 2100 | | 0 3 | 12 | 0007 | 2200 | | |
| Turbidity/Color | | | way | 1 -> | | - | | -> | | |
| Odor | | | Kes | -> | - | -> | > | \longrightarrow | | |
| Comments: | reer | 5 | use | yl O | <u>65.</u> | er | · Ve | of in | Wa | tes |

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| Project No: 63 103.00 Project Name: ABE Well No: Mw-2 Weather: Weather: Summy Project Location: 17715 Mission Blv J. | | | | | | | | | | |
|--|------------|------------|----------------------|----------------------------|------------|----------|------------------------|------------------------|--|--|
| Fortal | | Depth to \ | Water Column (ft) | Multiplier Casing Diameter | | | Casing Volume (gal) | Purged Volume (gal) | | |
| CALCULATION | | 9.99 | 1376 | 2 " | 4 " | 1 1.44 | 220 | 6.6 | | |
| Purge Method: Bailer Measuring Reference: | | | | | | | | | | |
| Time | | | | | | | | | | |
| Volume Purged (gal) | | ٥ | 2.2 | 1 | 404 | 6.6 | | | | |
| Temperature (° F) | | 1.80 | 180 | 0 | 8.70 | 67.2 | | | | |
| рН | | 6,40 | 6.38 | | 1.36 | 6.31 | | | | |
| Specific Conductivity | (umhos/cm) | 2000 | | oc. | 2(00 | 2100 | | | | |
| Turbidity/Color | , | J-sov | - · | > | ~ | -5 | | | | |
| Odor | | yer | -> | | <u> </u> | <u>→</u> | | | | |
| Comments: —— | | | | | | | | | | |

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| Project No: | Date: | | | | | | | | | | | | | |
|---|-----------|-----------------------|--------|----------------------|------|-------------------------------|------|------|---------------|----|------------------------|------------------------|--|--|
| Project Name: -AB | E | | · | | · | Well N°: 462 | | | | | | | | |
| Field Personnel: | | , • | MAZ | | | Weather: Sun - Y | | | | | | | | |
| Project Location: 17715 Mission Blud. | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| PURGE Total We WATER VOLUME Depth (f | | Depth to Water (ft | | Water Column (ft) | | Multiplier Casing Diameter | | | | | Casing Volume (gal) | Purged Volume (gal) | | |
| CALCULATION | 20.75 | 16 | 713 | 1 | 4.62 | | 2" | 4" | | 6" | 2.33 | 6.99 | | |
| | 33.75 | - | 1.17 | (| 1100 | | 0.16 | 0.64 | 1.4 | 14 | | 27.0 | | |
| Purge Method: Bailer Measuring Reference: | | | | | | | | | | | | | | |
| Time | | | | | | | | | | | | | | |
| Volume Purged (gal) | | | 0 | | 2.5 | | 5, | 0 | 7. | 2 | | | | |
| Temperature (° F) | | | 69.5 | | 69-1 | C | 65 | 2.3 | 3 68.0 | | | | | |
| рН | | | 6.49 | | 6.43 | 3 | 6.38 | | 6.79 | | | | | |
| Specific Conductivity (| umhos/cm) | | 2100 | | | | _> | > | \rightarrow | | | | | |
| Turbidity/Color | | | 1. out | | |) | - | 7 | 9 4 | | | | | |
| Odor | | | | | | | | | | | | | | |
| Comments: —— | | | | | | | | | | | | | | |

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Date: ____

9-11-06

| Project Name: ABE Mike a Maz | | | | | | | ell N°: | | M | W-4 | | |
|--------------------------------------|--------------------------|-----|-------|------|--------------------|-------|---------|---------------------|------|---------------|------------------------|------------------------|
| Field Personnel: | | | eathe | r: _ | 5 | bunny | | | | | | |
| Project Location: 17715 Mission Blv2 | | | | | | | | | | | | |
| PURGE WATER VOLUME | Total Well Depth (ft) | | | Wa | ter Column (ft) | | Ca | Multipl sing Dia | | ter | Casing Volume (gal) | Purged Volume (gal) |
| CALCULATION | 29 | 19 | 18.4 | | 18.6 | | 2" | 4" | | 6" | 1.59 | 250 |
| | | ,,, | | | | | 0.16 | 0.64 | . | 1.44 | | 250 |
| Purge Method: Measuring Reference: | | | | | | | | | | | | |
| Time | | | | | | | | | | | | |
| Volume Purged (gal) | | | 0 | | 1.5 | | 3. | 0 | | 5.0 | | |
| Temperature (° F) | | | 69,0 | | P8.6 | , | 88 | 3 | (| 679 | | |
| pН | | | 6.7 | 8 | ० ज्र | | (a | 63 | Ġ | . 28 | | |
| Specific Conductivity (| umhos/cm) | | 1900 | | 2000 | | ١٩ | 00 | رصره | | | |
| Turbidity/Color | | | Brow | 1 | - | | | > | | -> | | |
| Odor | | | NO | | -> | | - | > | | \rightarrow | | |
| | | | | | | | | | | | | |
| Comments: | | | | | | | | | | | | |
| Comments: | | | | | | | | | | |) | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

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Project No: 43-103-03



| Project No: | MAZ | Well No: May-5 Weather: Sunn | | | | | | | | | | |
|---|--------------------------|------------------------------|-------|----------------------|---------------|--------------------------|------------|------------|---|----------|------------------------|------------------------|
| PURGE WATER VOLUME | Total Well Depth (ft) | Depth to Water (ft | | Water Column (ft) | | Multiplie Casing Diam | | | | ter | Casing Volume (gal) | Purged Volume (gal) |
| CALCULATION | 28 | 13 | 15.99 | | 12.01 | | 2" 0.16 | 4 " | | | 1.92 | 576.0 |
| Purge Method: BRiles Measuring Reference: TOC | | | | | | | | | | | | |
| Time | | | | | | , | | | | | | |
| Volume Purged (gal) | | | 0 | | 2 | | 4 | | | 6 | | |
| Temperature (° F) | | | 183 | 3 | 67. | ı | 6 | 7.6 | | 66.9 | | |
| рН | | | 6.7 | 12 | 6.6 | 7 | 6. | 40 | (| 0.52 | | |
| Specific Conductivity (| umhos/cm) | | 200 | | 200 | 0 | 19 | 00 | \ | 400 | | |
| Turbidity/Color | | | Broy | m | \rightarrow | | _ | 7 | • | | | |
| Odor | | | 10 | | -> | | _ | ~ | | 小 | | |
| Comments: | | | | | | | | | | | | |

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| Project No: | Date:9-11-66 | | | | | | | | | | | | | |
|--|--------------------------|---|---------|---|---------------------|--------------------|-------------|----|------|------|------------------------|------------------------|--|--|
| Project Name: —Al | BE | | 1 | | | Well Nº: MW-6 | | | | | | | | |
| Field Personnel: | Milie | | MAZ | _ | · | Weather: Sunny | | | | | | | | |
| Project Location: | 17715 Mission islud | | | | | | | | | | , | | | |
| | | | | | | | | | | | | | | |
| PURGE WATER VOLUME CALCULATION | Total Well Depth (ft) | | | w | ater Column (ft) | Multip Casing D | | | | | Casing Volume (gal) | Purged Volume (gal) | | |
| | 25 | ١ | 16.25 | | 8,75 | 2" | | 4" | | 6" | 1.4 | 4.2 | | |
| | | , | | | 0 | 0.1 | 0.16 0.64 1 | | | 1.44 | 111 | 4.2 | | |
| Purge Method: Bay & Measuring Reference: | | | | | | | | | | | | | | |
| Time | | | | | | , | | | | | | | | |
| Volume Purged (gal) | | | O | | 1.5 | | 3.0 | 5 | ٤ | -0 | | | | |
| Temperature (° F) | | | 68.1 | | 68.3 | , (| 8 | | | 7.9 | | | | |
| рН | | | 6.42 | | 6.40 | 1 | 0.3 | 96 | 6.38 | | | | | |
| Specific Conductivity (u | mhos/cm) | | 1900 | | 1900 | 1- | -> | | | > | | | | |
| Turbidity/Color | | | E. Sout | 7 | -> | | _> | 5 | | -> | | | | |
| Odor | | | NO | | -> | - | -> | , | , | 7 | | | | |
| Comments: | | | | | | | | 1 | | | | | | |

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9-11-06

| Project No: | 3 ~103.c | 7 | | | Date | e: — | 9- | -11-0 k | | |
|--|--------------------------|---|----------------|----------------------|------|--------|------------|---------|------------------------|------------------------|
| Project Name: —AE Field Personnel: Project Location: | MIKA 17715 | | MAZ 1,65°On | Blub | | II Nº: | - <u>'</u> | Sunny | | |
| | | | | 1 | | | | | | |
| PURGE WATER VOLUME | Total Well Depth (ft) | | | Water Column (ft) | | | Multiplic | | Casing Volume (gal) | Purged Volume (gal) |
| CALCULATION | 25 | | 1.12 | 7 96 | 2 | 2" | | 6" | 1.26 | 3.78 |
| | | | ٥١٠ | 7.88 | 0. | 16 | 0.64 | 1.44 | 1.20 | ¼4 |
| Purge Method: Bailer Measuring Reference: | | | | | | | | | | |
| Time | | | | | | | | | | |
| Volume Purged (gal) | | | 0 | 1.5 | | 3 | | 4 | | |
| Temperature (° F) | | | 68.3 | 68.1 | | 67. | .9 | 67.8 | | |
| рН | | | 6.44 | + 6.42 | | 6.4 | to | 6.36 | | |
| Specific Conductivity (| umhos/cm) | | 2000 | 1900 | , _ | _ | ラ | ラ | | |
| Turbidity/Color | | | المكيا | - | > | | -7 | -7 | | |
| Odor | | | NO | | | -7 | 7 | 7 | | |
| Comments: —— | | | | | | | | | | |