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**MONITORING
REPORTS**

DATE:

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GW055

AES



Animas Environmental Services, LLC

**GW 055**

April 11, 2006

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New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Mr. Denny Foust
New Mexico Oil Conservation Division
District 3 Office
1000 Rio Brazos Road
Aztec, New Mexico 87410

**RE: Annual Groundwater Monitoring and Sampling Report for the Thriftway
Refinery, 626 CR 5500, Bloomfield, New Mexico**

Dear Sirs:

Enclosed please find the Annual Groundwater Monitoring and Sampling Report prepared by Animas Environmental Services, LLC (AES) on behalf of Thriftway Marketing Corporation (Thriftway) for the Thriftway Refinery, located at 626 CR 5500, Bloomfield, San Juan County, New Mexico.

If you have any questions regarding this report, please do not hesitate to contact me at (505) 564-2281.

Sincerely,

Ross Kennemer
Project Manager

Cc: R.J. Dalley
Thriftway Marketing Corporation
501 Airport Drive, Suite 100
Farmington, New Mexico 87401

Enclosure: Annual Groundwater Monitoring and Sampling Report



GW055

ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT

Thriftway Refinery
626 County Road 5500
Bloomfield, New Mexico

March 31, 2006

Prepared for
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AES Project # 050204

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1.0 Introduction

Animas Environmental Services, LLC (AES) has prepared this Annual Report on behalf of Thriftway Marketing Corporation (Thriftway) for the Thriftway Refinery, located at 626 County Road 5500, Bloomfield, San Juan County, New Mexico, in accordance with New Mexico Oil Conservation Division (NMOCD) and New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) regulations.

This annual groundwater monitoring and sampling report details the groundwater monitoring and sampling activities in addition to groundwater remediation efforts at the site for 2005. A general site plan is included as Figure 1.

2.0 Groundwater Monitoring and Sampling

BioTech Remediation, Inc. (BioTech) personnel measured groundwater elevations at the site in March and September 2005 and in January 2006. Groundwater monitoring and sampling was conducted at the site in September 2005 and in early January 2006. Additionally, influent and effluent water samples were collected from the on-site airstripper in April, May, July, September, and October 2005 and in early January 2006 to monitor system operations.

2.1 Measurement of Groundwater Elevations

Before collection of groundwater samples, depth to groundwater in each well was measured with an electronic water level indicator, which has an accuracy of 0.01 foot. Depth to groundwater measurements were recorded onto a Water Sample Collection Form for each well. Water Sample Collection Forms for the final sampling event for 2005 (completed in early 2006) are included in Appendix A.

2.2 Measurement of Free Product

Each well with free product was measured with an electronic interface probe, and the depth to top of product and the depth to the oil/water interface were recorded onto a groundwater measurement form. Free product was measured during 2005 and early 2006 within MW-2, MW-3, MW-12, MW-29, and RW-24 through RW-26.

2.3 Groundwater Sampling

Once the depth to groundwater was measured in each well, the well was micro-purged with a new disposable bailer to remove stagnant water from the well. Groundwater samples were then collected. Monitoring wells found to contain free product were bailed to remove as much product as possible before groundwater samples were collected. Groundwater sampling procedures included the following:

1. A new disposable bailer was used at each well. Samples were collected using a slow release valve attached to the bottom of the bailer (to ensure a slow flow and less volatilization of contaminants from groundwater). Each sample container was filled, making sure there were no bubbles or headspace in VOA/VOC sample bottles.

2. Each bottle was labeled, and chain-of-custody documentation was filled out as each well was sampled. Sample containers obtained from the analyzing laboratory were utilized during the sampling events.
3. Samples were placed in an insulated cooler and maintained at 4°C during transportation to the laboratory, Pinnacle Laboratories, Albuquerque, New Mexico.

Groundwater samples were collected from the least contaminated sampling location to the most contaminated sampling location in order to prevent cross-contamination.

2.4 Equipment Decontamination Protocols

In order to ensure data validity and prevent cross-contamination, the following decontamination protocols for sampling equipment will be employed:

- Wash with detergent (Alconox) and warm water
- Rinse with warm water
- Wash with detergent (Alconox) and warm water
- Rinse with de-ionized water

2.5 Laboratory Analyses

Groundwater samples collected during the semi-annual sampling events in September 2005 and January 2006 were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) and methyl-t-butyl ether (MTBE) and total petroleum hydrocarbons (TPH) gasoline range organics (GRO) per EPA Method 8021/8015M. Samples collected during the annual sampling in January 2006 sampling event were also analyzed for the following:

- Diesel range organics (DRO) per EPA Method 8015;
- pH per EPA Method 150.1;
- Polynuclear aromatic hydrocarbons (PAHs) per EPA Method 8170 SIMS;
- RCRA 8 Metals per EPA Method 6010B and 7470A;
- Dissolved Metals (Calcium, Magnesium, Potassium, and Sodium) per EPA Method 6010B;
- Bromide per EPA Method 300.0;
- Chloride per EPA Method 4500E;
- Fluoride per EPA Method 340.2;
- Sulfate per EPA Method 375.4;
- Specific Conductance per EPA Method 120.1;
- Hardness as CaCO₃ per EPA Method 6010B;
- Total Dissolved Solids (TDS) per EPA Method 160.1;
- Forms of Alkalinity per EPA Method 4500D

All samples were analyzed at Pinnacle Laboratories in Albuquerque, New Mexico, or one of its subcontracting laboratories.

3.0 Results

3.1 Hydraulic Gradient and Water Quality Data

3.1.1 Hydraulic Gradient

Prior to sampling each well, depth to groundwater measurements were recorded on to a Water Sample Collection Form. Groundwater elevations across the site in April 2005 ranged from 5436.97 feet above mean sea level (AMSL) in MW-15 down to 5424.35 feet AMSL in MW-5. Groundwater gradient was calculated between MW-15 and MW-5 with a magnitude of 0.006 ft/ft and between MW-14 and MW-17 with a magnitude of 0.007 ft/ft.

Groundwater elevations across the site during the sampling event in September 2005 ranged from 5436.30 feet AMSL in MW-15 down to 5424.43 feet AMSL in MW-20. Groundwater gradient was measured between MW-15 and MW-18 with a magnitude of 0.006 ft/ft and between MW-14 and MW-17 with a magnitude of 0.007 ft/ft.

Groundwater elevations during the fourth quarter sampling event in January 2006 ranged from 5436.80 feet AMSL in MW-15 down to 5424.60 feet AMSL in MW-20. Groundwater gradient was calculated between MW-15 and MW-18 with a magnitude of 0.006 ft/ft, and between MW-14 and MW-17 with a magnitude of 0.008 ft/ft.

The direction of groundwater gradient has remained stable in a northwest direction across the site. Table 1 includes depth to groundwater measurements and hydraulic elevations. Groundwater elevation contours are presented in Figure 2. Water Sample Collection Forms for January 2006 are presented in Appendix A.

3.1.2 Water Quality Data

Following well measurement and micro-purging of the wells, water quality data was recorded until temperature, pH, conductivity, and dissolved oxygen (DO) measurements stabilized. Temperature in the monitoring wells in 2005 ranged from 8.0°C up to 21.61°C. pH was neutral at 6.5 to 7.6, and conductivity was recorded at 2.091 mS up to 8.598 mS. Dissolved oxygen concentrations were measured and ranged from 0.04 mg/L to 1.6 mg/L.

3.2 Free Product

Non-aqueous phase liquid (NAPL) or free product was measured in several wells, including MW-2, MW-3, MW-12, MW-29, and RW-24 through RW-26, throughout the year. Measured thicknesses ranged from a sheen up to a maximum of 1.16 feet in MW-12 of April 2005. During 2005, a total of approximately 250 gallons of free product were recovered from the site oil/water separator located upstream of the airstripper. Free product is stored in an on-site tank, labeled appropriately and will be disposed of by Safety Kleen. Free product thickness contour maps are presented in Figure 3.

3.3 Dissolved Phase Contaminants Concentrations

3.3.1 Volatile Organics

Benzene concentrations which exceeded the WQCC standard of 10 µg/L benzene were detected in MW-1, MW-2, MW-3, MW-14, MW-17, MW-24, MW-29, and RW-24 through RW-26, with concentrations ranging from 19 µg/L in MW-1 up to 3,000 µg/L in MW-29 in January 2006. Benzene concentration contour maps are presented as Figure 4.

Toluene concentrations were below laboratory detection limits or below the applicable WQCC standard of 750 µg/L throughout 2005 in wells that were sampled. In early January 2006, 2 wells exceeded the applicable WQCC standard with 1,700 µg/L in MW-29 and 1,200 µg/L in RW-25.

Ethylbenzene exceeded the WQCC standard of 750 µg/L in MW-3 with a concentration of 1,300 µg/L in January 2006. All other wells were either below the laboratory detection limit or below the applicable WQCC standard.

Xylene exceeded the WQCC standard of 620 µg/L in MW-2, MW-3, MW-17, MW-24, MW-29, RW-25, and RW-26, with concentrations ranging from 650 µg/L in MW-24 up to 5,500 µg/L in MW-3 in January 2006.

MTBE concentrations were above the WQCC standard of 100 µg/L in several wells sampled, including MW-3, MW-7, MW-8, MW-19, MW-20, MW-24, MW-29, and RW-24 and RW-25 in January 2006. The highest MTBE concentration was reported at 1,500 µg/L in MW-29 in January 2006. All other wells were either below the laboratory detection limit or below applicable WQCC standards in the wells included in the sampling event. MTBE concentration contour maps are included in Figure 5.

TPH-GRO (C₆-C₁₀) concentrations ranged from below the laboratory detection limit up to 110 mg/L in MW-3 in January 2006. TPH-DRO (C₁₀-C₂₂) concentrations ranged from below laboratory detection limit up to 820 mg/L in MW-24.

BTEX, MTBE, TPH-GRO, and TPH-DRO analytical data are summarized in Table 2. Dissolved phase benzene concentration contours and MTBE concentration contours are included as Figures 4 and 5, respectively. TPH-GRO concentration contour maps are presented as Figure 6, and TPH-DRO concentration contour maps are included as Figure 7. Laboratory analytical reports are presented in Appendix B.

3.3.2 Polynuclear Aromatic Hydrocarbons

Groundwater samples are analyzed for PAHs per EPA Method 8270 SIMS on an annual basis and were analyzed for the fourth quarter during the January 2006 sampling event. Monitoring wells MW-1 through MW-4, MW-6 through MW-10, MW-12 through MW-15, MW-17 through MW-22, MW-24, MW-29, and RW-24 through RW-26 were sampled in January 2006.

Total naphthalenes (including 1- and 2-methyl naphthalene) exceeded the WQCC standard of 30 µg/L in 9 of the 24 wells sampled, including MW-2, MW-3, MW-12, MW-17, MW-24, MW-29, and RW-24 through RW-26 in January 2006. Total naphthalenes

ranged from 133 µg/L in MW-17 up to 29,180 µg/L in MW-2 in January 2006. A dissolved phase naphthalene concentration contour map is presented as Figure 8.

Acenaphthylene, anthracene, chrysene, fluorene, and phenanthrene were detected in MW-2, MW-3, MW-12, MW-17, MW-24, MW-29, RW-25, and RW-26 in January 2006. High concentrations of PAHs in MW-2 included 1,240 µg/L acenaphthene, 379 µg/L acenaphthylene, 136 µg/L anthracene, 3,620 µg/L fluorene, and 4,950 µg/L phenanthrene. Benzo(a)pyrene was recorded above the WQCC standard of 0.70 µg/L in MW-2, MW-3, MW-12, MW-24, MW-29, RW-25, and RW-26 in January 2006. Benzo(a)pyrene in these wells ranged from 11.9 µg/L in MW-29 up to 278 µg/L in MW-2. Because of dilution ratios, benzo(a)pyrene the laboratory detection limit in MW-17 was 1.0 µg/L, which is greater than the WQCC standard. All other wells sampled in January 2006 were below laboratory detection limits for benzo(a)pyrene. PAH analytical data are summarized in Table 3, and dissolved phase naphthalene concentration contour maps are in Figure 8. Laboratory analytical results are included in Appendix B.

3.3.3 RCRA 8 Metals

RCRA 8 metals were analyzed by EPA Method 6010B and 7470A from groundwater samples collected during the fourth quarter annual sampling event that occurred in January 2006. Three metals, including arsenic, barium, and lead, were detected above applicable WQCC standards in several monitoring wells. The highest arsenic concentration was found in MW-7 with 0.31 mg/L, and the highest barium concentration was reported in MW-3 with 3.67 mg/L. Three wells had lead concentrations above the WQCC standard of 0.05 mg/L, and the highest lead concentration was reported at 0.75 mg/L in MW-22 in January 2006. Laboratory results for cadmium, chromium, selenium, silver and mercury showed either trace concentrations or concentrations below the laboratory detection limit. Analytical results are summarized in Table 4, and laboratory analytical reports are included in Appendix B.

3.3.4 Dissolved Metals, Chlorides, Carbon Dioxide and Forms of Alkalinity

Groundwater samples were also analyzed for calcium, magnesium, potassium, sodium, bromide, chloride, fluoride, sulfate, specific conductance, hardness (as CaCO₃), TDS, and forms of alkalinity during the fourth quarter annual sampling event in January 2006. TDS concentrations were above the WQCC standard of 1,000 mg/L in all wells sampled in January 2006. Sulfate concentrations exceeded the applicable WQCC standard of 600 mg/L in all wells sampled, with the exception of MW-2, MW-3, and MW-13, which were below the WQCC standard for sulfate. Chloride concentrations exceeded the WQCC standard in 6 wells (MW-7, MW-17, MW-18, and MW-20 through MW-22), with the highest concentration noted at 991 mg/L in MW-17. However, these concentrations are believed to be typical for shallow groundwater conditions in the vicinity. Bicarbonate and carbonate concentrations ranged from below the laboratory detection limit up to 1,130 mg/L as CaCO₃ in MW-2, and 2.8 mg/L as CaCO₃ in MW-2, respectively. Laboratory data have been summarized and are presented within Tables 5 and 6. Dissolved phase chloride concentrations, groundwater specific conductance, and TDS are presented in Figures 9, 10, and 11, respectively. Laboratory analytical reports are found in Appendix B.

4.0 Site Remediation Operations

Airstripper influent and effluent samples were collected in April, May, July, September, and October 2005 and in early January 2006 for analysis of BTEX, MTBE, and TPH-GRO per EPA Method 8021/8015M at Pinnacle Laboratories. The airstripper was off-line in June 2005 due pump repair and in August 2005 for scheduled maintenance. Samples collected during the January 2006 sampling event were also analyzed for the following:

- DRO per EPA Method 8015;
- pH per EPA Method 150.1;
- PAHs per EPA Method 8170 SIMS;
- RCRA 8 Metals per EPA Method 6010B and 7470A;
- Dissolved Metals (Calcium, Magnesium, Potassium, and Sodium) per EPA Method 6010B;
- Bromide per EPA Method 300.0;
- Chloride per EPA Method 4500E;
- Fluoride per EPA Method 340.2;
- Sulfate per EPA Method 375.4;
- Specific Conductance per EPA Method 120.1;
- Hardness as CaCO₃ per EPA Method 6010B;
- TDS per EPA Method 160.1;
- Forms of Alkalinity per EPA Method 4500D

Analytical results indicate that the airstripper appears to be effectively removing light end petroleum hydrocarbons (BTEX and MTBE). Benzene concentrations were above the WQCC standard for all influent samples, with concentrations ranging from 57 µg/L in January 2006 up to 2,800 µg/L in April 2005. Effluent benzene concentrations were either below the laboratory detection limit or below the WQCC standard of 10 µg/L. Toluene concentrations in influent samples exceeded the WQCC standard of 750 µg/L with toluene concentrations of 11,000 µg/L in April 2005, 1,200 µg/L in May 2005, 1,900 µg/L in July 2005, and 1,800 µg/L in October 2005. Xylene concentrations exceeded the WQCC standard of 620 µg/L for all sampling events and ranged from 720 µg/L in January 2006 up to 5,200 µg/L in July 2005. Influent MTBE concentrations were below the WQCC standard of 100 µg/L for 5 of the 6 sampling events, with the highest MTBE concentration reported at 140 µg/L in July 2005. Influent TPH-GRO concentrations ranged from 3.9 mg/L in January 2006 up to 40 mg/L in July 2005, and influent TPH-DRO for January 2006 was 1.7 mg/L. Effluent concentrations for BTEX and MTBE were either below the laboratory detection limit or below applicable WQCC standards. BTEX, MTBE, TPH-GRO, and TPH-DRO results are included in Table 2.

Results of the PAH analyses indicated that influent airstripper concentrations did not exceed the WQCC standard for total naphthalenes during the January 2006 sampling event. Airstripper effluent concentrations for all PAHs, including total naphthalenes, were either below laboratory detection limits or well below applicable standards. PAH analytical results are presented in Table 3.

Reported RCRA 8 metal concentrations for both airstripper influent and effluent samples were either below the laboratory detection limit or below the applicable WQCC

standards, with the exception of lead in the effluent water samples for the January 2006 sampling event with a concentration of 0.374 mg/L. RCRA 8 metals concentrations were tabulated and are found in Table 4.

Airstripper influent and effluent concentrations were found to exceed applicable WQCC standards for chloride, sulfate, and TDS. Analytical data are presented in Table 5 along with other dissolved metals, including calcium, magnesium, potassium, sodium, bromide, fluoride, specific conductance, and hardness. Forms of alkalinity are presented in Table 6.

All laboratory analytical reports for airstripper influent and effluent sampling are included within Appendix B.

5.0 Summary and Conclusions

Overall groundwater elevations continue to be stable and appear to have fluctuated moderately throughout 2005 as part of seasonal variations noted previously at the site. Groundwater gradient was calculated to be approximately 0.008 ft/ft in a northwest direction across the site in the fourth quarter.

Free product was measured in several wells, including MW-2, MW-3, MW-12, MW-29, and RW-24 through RW-26. Measured thicknesses ranged from a sheen up to a maximum of 1.16 feet in MW-12 in April 2005. During 2005, a total of approximately 250 gallons of free product were recovered from the site oil/water separator located upstream of the airstripper. Free product will be disposed of at Safety Kleen.

Based upon the analytical results of the 2005 sampling events, dissolved phase contaminant concentrations in several wells exceeded the New Mexico WQCC standards for benzene, MTBE, total naphthalene, arsenic, barium, chromium, lead, chloride, sulfate, and TDS. The highest benzene and MTBE concentrations were reported at 3,000 µg/L and 1,500 µg/L, respectively, in MW-29 in January 2006.

Airstripper influent concentrations also exceeded the WQCC standards during various events for BTEX, MTBE, lead, chloride, sulfate, and TDS. However, airstripper effluent concentrations were below applicable WQCC standards for all compounds except lead, chloride, sulfate, and TDS. Influent and effluent water concentrations show that the airstripper is effectively removing hydrocarbon mass from contaminated groundwater.

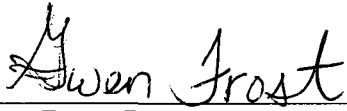
6.0 Recommendations

AES recommends that BioTech continue with monitoring and sampling at the site as follows:

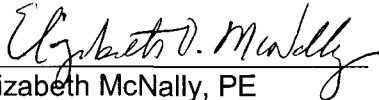
1. Monthly water samples collected from the influent and effluent of the airstripper for analyses of BTEX, MTBE, and TPH-GRO per EPA Methods 8021/8015;
2. Semi-annual measurement (June 2006) of groundwater elevations in all wells and collection of groundwater samples for laboratory analyses of BTEX, MTBE, TPH-GRO and TPH-DRO in 15 wells (MW-1, MW-2, MW-3, MW-5, MW-10, MW-12, MW-14, MW-17, MW-18, MW-20, MW-21, MW-22, MW-29, RW-24, and RW-26);
3. Semi-annual measurement (December 2006) of groundwater elevations and collection of groundwater samples for laboratory analyses of BTEX, MTBE, TPH-GRO and TPH-DRO in site wells;
4. Annual sampling of PAHs per EPA Method 8270 SIMs, RCRA metals, dissolved metals, and carbonates and alkalinity in the airstripper influent and effluent and in 15 wells (MW-1, MW-2, MW-3, MW-5, MW-10, MW-12, MW-14, MW-17, MW-18, MW-20, MW-21, MW-22, MW-29, RW-24, and RW-26);

7.0 Statement of Familiarity

I, the undersigned, am personally familiar with the information submitted in this annual groundwater monitoring report and attached documents for the Thriftway Refinery, located at 626 County Road 5500, Bloomfield, San Juan County, New Mexico, prepared on behalf of Thriftway Marketing Corporation. I attest that it is true and complete to the best of my knowledge.



Gwen Frost, Project Manager



Elizabeth McNally, PE
New Mexico Registration #15799

TABLES

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
 Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)*	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
MW-1	01-Feb-02	5449.08		14.78			5434.30					
MW-1	04-Feb-02	5449.08	9.17	9.18	0.01		5439.89					
MW-1	29-Jul-02	5449.08		14.99			5434.09					No Sample
MW-1	06-Jun-03	5449.08		14.31			5434.77					No Sample
MW-1	21-Jan-04	5449.08		15.04			5434.04					No Sample
MW-1	26-May-04	5449.08		14.52			5434.56					No Sample
MW-1	29-Jul-04	5449.08		14.31			5434.77					No Sample
MW-1	03-Jan-05	5449.08		15.25			5433.83					No Sample
MW-1	08-Apr-05	5449.08		14.83			5434.25					No Sample
MW-1	19-Sep-05	5449.08		15.42			5433.66	NM	NM	NM	NM	No Sample
MW-1	03-Jan-06	5449.08		15.23			5433.85	7.40	2.593	0.34	17.30	3
MW-2	01-Feb-02	5442.65		11.91			5430.74					No Sample
MW-2	29-Jul-02	5442.65		11.97			5430.68					No Sample
MW-2	06-Jun-03	5442.65		12.57			5430.08					No Sample
MW-2	21-Jan-04	5442.65	11.94	13.00	1.06		5428.88					No Sample
MW-2	26-May-04	5442.65	11.58	12.60	1.02		5429.31					No Sample
MW-2	28-Jul-04	5442.65	11.75	12.73	0.98		5429.21					No Sample
MW-2	03-Jan-05	5442.65	12.00	12.99	0.99		5428.94					No Sample
MW-2	01-Apr-05	5442.65	12.48	11.51	0.97		5430.43					No Sample
MW-2	19-Sep-05	5442.65	11.65	12.60	0.95		5429.36	NM	NM	NM	NM	
MW-2	05-Jan-06	5442.65	11.78	12.70	0.92		5429.28	7.20	2.24	0.50	15.00	
MW-3	01-Feb-02	5431.43		6.03			5425.40					No Sample
MW-3	29-Jul-02	5431.43	5.30	6.73	1.43		5423.66					No Sample
MW-3	06-Jun-03	5431.43	5.00	6.10	1.10		5424.53					No Sample
MW-3	24-Jan-04	5431.43	5.18	6.58	1.40		5423.83					No Sample
MW-3	26-May-04	5431.43	4.99	6.82	1.83		5423.28					No Sample
MW-3	28-Jul-04	5431.43	4.79	5.58	0.79		5425.27					No Sample
MW-3	03-Jan-05	5431.43	4.86	5.33	0.47		5425.76					No Sample
MW-3	01-Apr-05	5431.43	3.67	3.67	0.00		5427.76					
MW-3	19-Sep-05	5431.43	5.3	5.70	0.40		5425.44					
MW-3	05-Jan-06	5431.43	5.01	5.18	0.17		5426.13	NM	NM	NM	NM	No Purge
MW-4	02-May-01	5430.12		4.96			5425.16	6.9	1.41	2.15	64.4	5
MW-4	30-Jul-01	5430.12		5.72			5424.40	7.0	1.56	11.54	77	6

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
 Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
MW-4	30-Jan-02	5430.12		5.37			5424.75					P
MW-4	25-Jul-02	5430.12		5.70			5424.42	7.3	2.54	1.34	84	P
MW-4	21-Nov-02	5430.12		5.17			5424.95	7.5	1.41	1.80	53.4	P
MW-4	05-Jun-03	5430.12		4.97			5425.15	7.3	2.72	1.09	62	
MW-4	19-Jan-04	5430.12		5.35			5424.77	7.0	1.119	1.86	48.7	P
MW-4	25-May-04	5430.12		5.11			5425.01	6.9	2.874	0.34	65.7	3
MW-4	27-Jul-04	5430.12		5.62			5424.50	7.4	2.71		72.1	B
MW-4	28-Dec-04	5430.12		5.16			5424.96	7.5				MP
MW-4	31-Mar-05	5430.12		4.30			5425.82	6.9	2.17	1.48	52.7	MP
MW-4	19-Sep-05	5430.12		5.30			5424.82	7.1	3.09	0.40	70.3	
MW-4	4-Jan-06	5430.12		4.91			5425.21	7.2	2.35	0.70	11.3	3
MW-5	30-Jan-02	5428.97		5.33			5423.64					P
MW-5	25-Jul-02	5428.97		5.73			5423.24	7.8	4.78	1.18	69	P
MW-5	21-Nov-02	5428.97		5.43			5423.54					
MW-5	05-Jun-03	5428.97		5.02			5423.95	8.0	3.07	1.44	59.4	B
MW-5	19-Jan-04	5428.97		5.25			5423.72	7.7	1.14	2.61	47.6	P
MW-5	25-May-04	5428.97		5.04			5423.93	7.5	3.21	0.45	60.4	3
MW-5	27-Jul-04	5428.97		5.43			5423.54	8.1	4.07		75.5	B
MW-5	28-Dec-04	5428.97		5.26			5423.71	8.0				MP
MW-5	31-Mar-05	5428.97		4.62			5424.35	7.3	2.77	0.39	52.7	MP
MW-5	19-Sep-05	5428.97	DRY	DRY	DRY		DRY	NM	NM	NM	NM	
MW-5	5-Jan-06	5428.97	DRY	DRY	DRY		DRY	NM	NM	NM	NM	
MW-6	3-May-01	5430.70		5.15			5425.55	7.3	1.35	5.33	54.9	5
MW-6	30-Jul-01	5430.70		5.86			5424.84	7.1	1.57	14.21	68.9	6
MW-6	30-Jan-02	5430.70		5.22			5425.48					
MW-6	25-Jul-02	5430.70		5.39			5425.31	7.2	3.26			
MW-6	21-Nov-02	5430.70		4.86			5425.84	7.5	3.24	0.86	60.8	P
MW-6	5-Jun-03	5430.70		4.90			5425.80	7.5	2.64	1.02	62.6	
MW-6	19-Jan-04	5430.70		5.14			5425.56	7.6	2.235	1.64	52.2	P
MW-6	25-May-04	5430.70		5.04			5425.66	7.1	2.882	0.31	63.3	3
MW-6	27-Jul-04	5430.70		5.14			5425.56	7.7	3.90		72.1	B
MW-6	28-Dec-04	5430.70		5.01			5425.69	7.6				MP
MW-6	31-Mar-05	5430.70		3.88			5426.82	7.2	2.42	1.24	52.7	MP
MW-6	19-Sep-05	5430.70		5.18			5425.52	7.2	3.839	0.46	70.9	

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
 Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)*	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
MW-6	4-Jan-06	5430.70		4.72			5425.98	7.5	2.775	1.60	11.7	3
MW-7	1-Feb-02	5435.28										No Sample
MW-7	29-Jul-02	5435.28		5.32			5429.96					No Sample
MW-7	6-Jun-03	5435.28		6.11			5429.17					No Sample
MW-7	19-Jan-04	5435.28		9.06			5426.22					No Sample
MW-7	25-May-04	5435.28		9.06			5426.22	7.0	2.827	0.93	49.7	P
MW-7	27-Jul-04	5435.28		9.14			5426.14	6.8	3.76	0.27	63.2	3
MW-7	28-Dec-04	5435.28		9.08			5426.20	7.3	5.32		72.8	B
MW-7	31-Mar-05	5435.28		9.05			5426.23	7.8				MP
MW-7	19-Sep-05	5435.28		7.67			5427.61	6.5	3.011	0.5	52	MP
MW-7	4-Jan-06	5435.28		9.20			5426.08	7.0	4.802	0.41	70.8	
MW-7				8.14			5427.14	7.0	3.625	0.48	14.5	3
MW-8	30-May-01	5433.04										
MW-8	30-Jul-01	5433.04		4.05			5428.99	7.1	1.79	4.57	53.4	5.2
MW-8	31-Jan-02	5433.04		5.86			5427.18	7.0	2.61	13.34	75.0	6
MW-8	26-Jul-02	5433.04		5.32			5427.72			0.36	73.3	P
MW-8	22-Nov-02	5433.04		5.84			5427.20	7.3	6.49	1.24	74.2	P
MW-8	5-Jun-03	5433.04		3.90			5429.14	6.8	3.97	0.47	55.6	P
MW-8				4.30			5428.74	7.0	3.38	0.75	60.3	B
MW-8	4-Jan-06	5433.04		4.04			5429.00	6.8	3.377	0.62	13.4	3
MW-9	30-Jan-02	5436.69		NS								
MW-9	26-Jul-02	5436.69		NS								
MW-9	21-Nov-02	5436.69		5.37			5431.32	7.5	5.8	0.91	58.3	P
MW-9	5-Jun-03	5436.69		5.61			5431.08	7.5	4.95	0.85	63.8	P
MW-9	19-Jan-04	5436.69		5.72			5430.97	7.3	3.23	1.71	35.1	P
MW-9	25-May-04	5436.69		5.72			5430.97	7.5	4.86	0.65	61.5	3
MW-9	28-Jul-04	5436.69		5.95			5430.74	7.57	6.73		72	B
MW-9	29-Dec-04	5436.69		5.47			5431.22					MP
MW-9	31-Mar-05	5436.69		5.38			5431.31	7	4.172	1.4	52.3	MP
MW-9	19-Sep-05	5436.69		5.73			5430.96	7.3	5.805	0.56	70.9	
MW-9	4-Jan-06	5436.69		5.26			5431.43	7.4	4.035	1.17	8	3
MW-10	31-Jan-02	5437.78		5.21			5432.57					P
MW-10	26-Jul-02	5437.78		5.62			5432.16	7.4	5.51	1.37	74.4	P

Well Not Found

Well not located
Well not located

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
 Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)*	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
MW-10	21-Nov-02	5437.78		5.32			5432.46	7.3	4.63	0.97	59.1	P
MW-10	5-Jun-03	5437.78		5.35			5432.43	7.6	4.62	0.98	63.3	B
MW-10	19-Jan-04	5437.78		5.29			5432.49	7.3	2.96	1.38	45.8	P
MW-10	25-May-04	5437.78		5.19			5432.59	7.4	4.54	0.46	61.4	3
MW-10	28-Jul-04	5437.78		5.42			5432.36	8.31			69.7	B
MW-10	29-Dec-04	5437.78		5.08			5432.70					MP
MW-10	31-Mar-05	5437.78		5.00			5432.78	7.1	3.482	0.8	50.7	MP
MW-10	19-Sep-05	5437.78		5.22			5432.56	7.4	4.847	0.54	69.6	
MW-10	3-Jan-06	5437.78		4.66			5433.12	7.4	3.721	0.92	11.6	3
MW-11	31-Jan-02	5439.67		5.71			5433.96					P
MW-11	26-Jul-02	5439.67		6.29			5433.38	7.4	5.06	1.58	69.8	P
MW-11	21-Nov-02	5439.67		6.01			5433.66	7.4	4.48	0.85	60.3	P
MW-11	5-Jun-03	5439.67		5.94			5433.73	7.8	3.7	1.16	60.7	B
MW-11	20-Jan-04	5439.67		5.62			5434.05	7.3	0.45	3.62	44.5	P
MW-11	25-May-04	5439.67		5.85			5433.82	7.6	4.04	2.16	70.4	3
MW-11	28-Jul-04	5439.67		6.11			5433.56	7.78	5		65.9	B
MW-11	29-Dec-04	5439.67		5.95			5433.72					MP
MW-11	31-Mar-05	5439.67										
MW-11	19-Sep-05	5439.67										
MW-11	3-Jan-06											
MW-12	31-Jan-02	5446.09		14.09			5432.00					P
MW-12	26-Jul-02	5446.09		14.35			5431.74	7.0	3.08	2.74	75.3	P
MW-12	3-Dec-02	5446.09		14.34			5431.75	6.9	4.01	1.21	54.4	P
MW-12	5-Jun-03	5446.09		13.72			5432.37	7.1	5.20	0.98	64.6	P
MW-12	20-Jan-04	5446.09	14.06	14.19	0.13		5431.81					No Sample
MW-12	25-May-04	5446.09	13.73	13.76	0.03		5432.31					MP
MW-12	28-Jul-04	5446.09	14.04	14.20	0.16		5431.77					No Sample
MW-12	30-Dec-04	5446.09	14.14	14.89	0.75		5430.65					MP
MW-12	31-Mar-05	5446.09	13.99	13.86	1.16		5431.38		No Water Quality Parameters / FP			
MW-12	19-Sep-05	5446.09	14.15	14.85	0.70		5430.73		No Water Quality Parameters / FP			
MW-12	05-Jan-06	5446.09	14.06	14.58	0.52		5431.13	NM	NM	NM	NM	No Purge
MW-13	26-Jul-02	5452.12		17.54			5434.58	7.2	5.51	0.47	66	P
MW-13	03-Dec-02	5452.12		17.51			5434.61	7.3	3.09	0.98	51.6	P

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
 Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)*	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
MW-13	05-Jun-03	5452.12		17.06			5435.06	7.3	4.11	0.91	62.4	P
MW-13	20-Jan-04	5452.12		17.52			5434.60	7.3	2.39	1.48	48.5	P
MW-13	25-May-04	5452.12		17.20			5434.92	7.3	4.13	0.65	63.7	3
MW-13	28-Jul-04	5452.12		17.65			5434.47	7.6	5.79		68	B
MW-13	30-Dec-04	5452.12		17.66			5434.46					MP
MW-13	31-Mar-05	5452.12		17.34			5434.78	7	3.485	0.64	57.9	MP
MW-13	19-Sep-05	5452.12		17.78			5434.34	7.3	4.929	0.26	61.8	
MW-13	03-Jan-06	5452.12		17.54			5434.58	7.4	4.309	0.34	17.9	3
MW-14	01-Feb-02	5446.93		12.22			5434.71					No Sample
MW-14	29-Jul-02	5446.93	12.39	13.29	0.90		5432.98					No Sample
MW-14	06-Jun-03	5446.93		11.95			5434.98					No Sample
MW-14	21-Jan-04	5446.93		12.40			5434.53					No Sample
MW-14	25-May-04	5446.93		12.14			5434.79					No Sample
MW-14	28-Jul-04	5446.93		NS			NS					No Sample
MW-14	03-Jan-05	5446.93		12.51			5434.42					No Sample
MW-14	08-Apr-05	5446.93		12.18			5434.75					No Sample
MW-14	19-Sep-05	5446.93		12.65			5434.28	NM	NM	NM	NM	No Sample
MW-14	03-Jan-06	5446.93		12.40			5434.53	7.5	3.853	0.6	18	3
MW-15	03-May-01	5449.28		11.89			5437.39	7.3	2.21	4.2	53.8	1.4
MW-15	31-Jan-02	5449.28		12.49			5436.79					
MW-15	26-Jul-02	5449.28		12.69			5436.59	7.7	2.69	1.04	78.4	P
MW-15	03-Dec-02	5449.28		12.69			5436.59	7.6	3.55	1.50	53.9	P
MW-15	05-Jun-03	5449.28		12.26			5437.02	7.7	4.3	1.60	61.5	P
MW-15	20-Jan-04	5449.28		12.71			5436.57	7.3	2.17	1.91	48.2	P
MW-15	25-May-04	5449.28		12.49			5436.79	7.5	2.87	2.19	62.8	3
MW-15	28-Jul-04	5449.28		12.93			5436.35	7.48	4.4		60.8	B
MW-15	29-Dec-04	5449.28		12.58			5436.70					MP
MW-15	31-Mar-05	5449.28		12.31			5436.97	7.2	3.112	1.43	53.9	MP
MW-15	19-Sep-05	5449.28		12.98			5436.30	7.1	2.877	0.63	62.7	
MW-15	3-Jan-06	5449.28		12.48			5436.80	7.5	2.271	1.09	12.2	3
MW-16	1-Feb-02	5442.63		5.78			5436.85					
MW-16	26-Jul-02	5442.63					Well Destroyed					

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
 Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)*	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
MW-17	1-Feb-02	5435.20		5.78			5429.42					No Sample
MW-17	29-Jul-02	5435.20		5.96			5429.24					No Sample
MW-17	6-Jun-03	5435.20		5.62			5429.58					No Sample
MW-17	21-Jan-04	5435.20		5.85			5429.35					No Sample
MW-17	26-May-04	5435.20		5.69			5429.51					No Sample
MW-17	28-Jul-04	5435.20	5.99	6.07	0.08		5429.07					No Sample
MW-17	03-Jan-05	5435.20		5.83			5429.37					No Sample
MW-17	31-Mar-05	5435.20		5.43			5429.77					No Sample
MW-17	19-Sep-05	5435.20		5.90			5429.30	NM	NM	NM	NM	No Sample
MW-17	05-Jan-06	5435.20		5.76			5429.44	NM	NM	NM	NM	No Sample
MW-18	02-May-01	5428.95		4.32			5424.63	7.1	1.46	4.26	64.22	5.2
MW-18	31-Jul-01	5428.95		4.84			5424.11	7.9	1.44	12.55	67.46	5
MW-18	30-Jan-02	5428.95		4.61			5424.34					
MW-18	25-Jul-02	5428.95		4.79			5424.16	3.91	3.91	0.33	72.02	P
MW-18	20-Nov-02	5428.95		4.27			5424.68	2.97	1.17		58.5	P
MW-18	05-Jun-03	5428.95		4.24			5424.71	7.8	3.28	0.86	62.0	B
MW-18	19-Jan-04	5428.95		4.62			5424.33	7.7	2.58	0.56	51.1	P
MW-18	25-May-04	5428.95		4.28			5424.67	7.7	3.55		64.9	4
MW-18	27-Jul-04	5428.95		5.54			5423.41	7.7	4.46		77.2	B
MW-18	28-Dec-04	5428.95		4.47			5424.48					MP
MW-18	31-Mar-05	5428.95		3.57			5425.38	7.2	2.823	0.75	58.2	MP
MW-18	19-Sep-05	5428.95		4.38			5424.57	7.3	4.223	0.62	69.0	
MW-18	4-Jan-06	5428.95		4.10			5424.85	7.6	3.206	0.48	10.4	1.5
MW-19	31-Jan-02	5428.69		5.87			5422.82					
MW-19	25-Jul-02	5428.69		4.35			5424.34	7.1	5.74	1.01	74.9	P
MW-19	20-Nov-02	5428.69		3.75			5424.94	7.2	1.41	1.22	56.9	P
MW-19	5-Jun-03	5428.69		3.90			5424.79	7.3	3.51	1.34	61.0	B
MW-19	19-Jan-04	5428.69		4.09			5424.60	7.4	0.29	2.89	46.6	P
MW-19	25-May-04	5428.69		3.90			5424.79	7.0	2.24	0.35	61.9	0.5
MW-19	27-Jul-04	5428.69		4.31			5424.38	7.1	5.14		71.1	B
MW-19	28-Dec-04	5428.69		4.04			5424.65	7.3				MP
MW-19	31-Mar-05	5428.69		3.60			5425.09	6.9	2.091	1.5	54.7	MP
MW-19	19-Sep-05	5428.69		3.96			5424.73	7.1	4.125	0.4	68.1	
MW-19	4-Jan-06	5428.69		3.81			5424.88	7.1	3.338	0.4	10.6	1.5

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)*	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
MW-20	31-Jan-02	5430.45		6.04			5424.41					P
MW-20	26-Jul-02	5430.45		6.31			5424.14	7.2	2.95	1.22	79.6	P
MW-20	20-Nov-02	5430.45		5.85			5424.60	7.1	1.9	0.30	55.0	P
MW-20	5-Jun-03	5430.45		5.89			5424.56	7.1	3.43	1.58	58.1	
MW-20	20-Jan-04	5430.45		6.08			5424.37	7.5	0.35	3.23	51.8	P
MW-20	25-May-04	5430.45		5.90			5424.55	7.1	4.01	1.2	72.3	1.5
MW-20	27-Jul-04	5430.45		6.29			5424.16	7.0	5.12		66.1	B
MW-20	29-Dec-04	5430.45		6.07			5424.38					MP
MW-20	1-Apr-05	5430.45		5.69			5424.76	6.5	2.378	0.55	54.4	
MW-20	19-Sep-05	5430.45		6.02			5424.43	7.0	3.466	0.37	66.1	
MW-20	4-Jan-06	5430.45		5.85			5424.60	7.0	3.47	0.6	12.3	3
MW-21	30-Jan-02	5428.62		3.41			5425.21					P
MW-21	26-Jul-02	5428.62		4.15			5424.47					
MW-21	22-Nov-02	5428.62		3.51			5425.11	7.1	7.58	0.55	55.0	P
MW-21	5-Jun-03	5428.62		3.21			5425.41	7.2	7.79	0.95	65.4	
MW-21	20-Jan-04	5428.62		3.57			5425.05	7.4	0.31	3.40	46.7	P
MW-21	25-May-04	5428.62		3.49			5425.13	7.2	7.56	0.49	64.5	1.5
MW-21	28-Jul-04	5428.62		4.12			5424.50	7.3	11.42		67.1	B
MW-21	29-Dec-04	5428.62		3.36			5425.26					MP
MW-21	1-Apr-05	5428.62		2.77			5425.85	6.7	5.747	0.28	50.9	
MW-21	19-Sep-05	5428.62		3.84			5424.78	7.2	8.598	0.39	67.8	
MW-21	4-Jan-06	5428.62		3.27			5425.35	7.1	6.118	0.77	11.9	3
MW-22	2-May-01	5430.75		4.01			5426.74	6.9	2	3.57	65.1	5.2
MW-22	31-Jul-01	5430.75		5.25			5425.50	6.1	2.8	16.1	74.1	5
MW-22	31-Jan-02	5430.75		4.55			5426.20					P
MW-22	26-Jul-02	5430.75		4.93			5425.82	7.3	7.9	1.24	73.0	P
MW-22	22-Nov-02	5430.75		4.21			5426.54	7.5	6.51	0.8	54.6	P
MW-22	5-Jun-03	5430.75		4.15			5426.60	7.3	4.75	0.6	61.5	B
MW-22	20-Jan-04	5430.75		4.49			5426.26	7.1	4.19	0.43	46.4	P
MW-22	25-May-04	5430.75		5.68			5425.07	7.2	6.95	0.16	63.3	1.5
MW-22	28-Jul-04	5430.75		5.29			5425.46	7.5	9.78		70.1	B
MW-22	29-Dec-04	5430.75		4.33			5426.42					MP
MW-22	1-Apr-05	5430.75		4.06			5426.69	6.9	5.531	0.34	49.6	

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
 Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)*	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
MW-22	19-Sep-05	5430.75		4.91			5425.84	7.2	8.496	0.28	66.8	
MW-22	4-Jan-06	5430.75		4.38			5426.37	7.3	6.476	0.04	10.3	2.5
MW-23	1-Feb-02	5449.34	Dry									No Sample
MW-23	29-Jul-02	5449.34	Dry									No Sample
MW-23	6-Jun-03	5449.34	Dry									No Sample
MW-23	21-Jan-04	5449.34	Dry									No Sample
MW-23	26-May-04	5449.34	Dry									No Sample
MW-23	28-Jul-04	5449.34	Dry									No Sample
MW-23	03-Jan-05	5449.34	Dry									No Sample
MW-23	08-Apr-05	5449.34	Dry									No Sample
MW-23	19-Sep-05	5449.34	Dry									No Sample
MW-24	01-Feb-02	5449.23		16.05			5433.18					No Sample
MW-24	29-Jul-02	5449.23		15.37			5433.86					No Sample
MW-24	21-Jan-04	5449.23		16.22			5433.01					No Sample
MW-24	26-May-04	5449.23		15.75			5433.48					No Sample
MW-24	28-Jul-04	5449.23		16.22			5433.01					No Sample
MW-24	03-Jan-05	5449.23		16.42			5432.81					No Sample
MW-24	01-Apr-05	5449.23		16.01			5433.22					No Sample
MW-24	19-Sep-05	5449.23		16.49			5432.74	NM	NM	NM	NM	No Sample
MW-24	05-Jan-06	5449.23		16.41			5432.82	NM	NM	NM	NM	No Sample
MW-25	01-Feb-02	5448.74		15.33			5433.41					No Sample
MW-25	29-Jul-02	5448.74		16.15			5432.59					No Sample
MW-25	06-Jun-03	5448.74		15.50			5433.24					No Sample
MW-25	21-Jan-04	5448.74		15.70			5433.04					No Sample
MW-25	26-May-04	5448.74		15.63			5433.11					No Sample
MW-25	28-Jul-04	5448.74		15.59			5433.15					No Sample
MW-25	03-Jan-05	5448.74		15.90			5432.84					No Sample
MW-25	31-Mar-05	5448.74		15.83			5432.91					No Sample
MW-25	19-Sep-05	5448.74		15.75			5432.99	NM	NM	NM	NM	No Sample
MW-25	05-Jan-06	5448.74		15.85			5432.89	NM	NM	NM	NM	No Sample
MW-26		5447.26					DESTROYED					

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
 Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)*	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
MW-27	1-Feb-02	5449.01	Dry	Dry								
MW-27	29-Jul-02	5449.01	Dry	Dry								
MW-27	6-Jun-03	5449.01	15.40	15.93	0.53		5432.69					No Sample
MW-27	21-Jan-04	5449.01	Dry	Dry								No Sample
MW-27	26-May-04	5449.01	Dry	Dry								No Sample
MW-27	28-Jul-04	5449.01	Dry	Dry								No Sample
MW-27	03-Jan-05	5449.01	Dry	Dry								No Sample
MW-27	08-Apr-05	5449.01	Dry	Dry								No Sample
MW-27	19-Sep-05	5449.01	Dry	Dry								No Sample
MW-28	01-Feb-02	5449.07		15.95			5433.12					No Sample
MW-28	29-Jul-02	5449.07		15.97			5433.10					No Sample
MW-28	06-Jun-03	5449.07	15.77	15.8	0.03		5433.25					No Sample
MW-28	21-Jan-04	5449.07	16.94	16.96	0.02		5432.10					No Sample
MW-28	26-May-04	5449.07	15.56	15.96	0.40		5432.82					No Sample
MW-28	28-Jul-04	5449.07	Dry	DRY								No Sample
MW-28	03-Jan-05	5449.07		16.01			5433.06					No Sample
MW-28	08-Apr-05	5449.07	Dry	Dry								No Sample
MW-28	19-Sep-05	5449.07	Dry	Dry								No Sample
MW-28	05-Jan-06	5449.07	Dry	Dry								No Sample
MW-29	02-Feb-02	5447.94		15.19			5432.75					No Sample
MW-29	29-Jul-02	5447.94		15.30			5432.64					No Sample
MW-29	06-Jun-03	5447.94	15.77	15.80	0.03		5432.12					No Sample
MW-29	21-Jan-04	5447.94	15.28	16.05	0.77		5431.33					No Sample
MW-29	26-May-04	5447.94	14.91	15.09	0.18		5432.72					No Sample
MW-29	28-Jul-04	5447.94	15.29	15.75	0.46		5431.85					No Sample
MW-29	03-Jan-05	5447.94	15.34	16.31	0.97		5430.92					No Sample
MW-29	01-Apr-05	5447.94	15.07	15.44	0.37		5432.23					No Sample
MW-29	19-Sep-05	5447.94	15.37	16.20	0.83		5431.13	NM	NM	NM	NM	No Sample
MW-29	05-Jan-06	5447.94	15.42	16.00	0.58		5431.52	NM	NM	NM	NM	No Purge
RW-24	01-Feb-02	5447.73		16.17			5431.56					No Sample
RW-24	29-Jul-02	5447.73		15.78			5431.95					No Sample
RW-24	06-Jun-03	5447.73		15.40			5432.33					No Sample
RW-24	21-Jan-04	5447.73	15.77	16.54	0.77		5430.63					No Sample

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
 Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)*	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
RW-24	26-May-04	5447.73	15.50	15.50	0.00		5432.23					No Sample
RW-24	28-Jul-04	5447.73	15.70	16.35	0.65		5430.91					No Sample
RW-24	03-Jan-05	5447.73	15.85	16.90	1.05		5430.06					No Sample
RW-24	31-Mar-05	5447.73	15.63	15.75	0.12		5431.89					No Sample
RW-24	19-Sep-05	5447.73	15.81	16.90	1.09		5430.04	NM	NM	NM	NM	No Sample
RW-24	05-Jan-06	5447.73	15.82	16.58	0.76		5430.60	7	5.176	0.1	19	
RW-25	01-Feb-02	5448.68		16.45			5432.23					No Sample
RW-25	29-Jul-02	5448.68		16.55			5432.13					No Sample
RW-25	06-Jun-03	5448.68		16.09			5432.59					No Sample
RW-25	21-Jan-04	5448.68	16.51	16.83	0.32		5431.62					No Sample
RW-25	26-May-04	5448.68	16.23	16.25	0.02		5432.42					No Sample
RW-25	28-Jul-04	5448.68	16.50	16.52	0.02		5432.15					No Sample
RW-25	03-Jan-05	5448.68	16.63	17.65	1.02		5430.29					No Sample
RW-25	31-Mar-05	5448.68	16.27	16.7	0.43		5431.67					No Sample
RW-25	19-Sep-05	5448.68	16.55	17.54	0.99		5430.42	NM	NM	NM	NM	No Sample
RW-25	05-Jan-06	5448.68	16.45	17.37	0.92		5430.64	7	3.501	0.15	14	
RW-26	01-Feb-02	5443.98		14.65			5429.33					No Sample
RW-26	29-Jul-02	5443.98	14.11	14.11	0.88		5429.23					No Sample
RW-26	21-Jan-04	5443.98	14.24	14.54	0.30		5429.22					No Sample
RW-26	26-May-04	5443.98		13.85			5430.13					No Sample
RW-26	28-Jul-04	5443.98	14.24	14.29	0.05		5429.65					No Sample
RW-26	03-Jan-05	5443.98	14.35	14.90	0.55		5428.68					No Sample
RW-26	31-Mar-05	5443.98		14.03			5429.95					No Sample
RW-26	19-Sep-05	5443.98	14.43	14.62	0.19		5429.22	NM	NM	NM	NM	No Sample
RW-26	05-Jan-06	5443.98	14.36	14.54	0.18		5429.31	6.9	4.898	0.2	18.9	
T-17-1	01-Feb-02	5452.41		17.60			5434.81					No Sample
T-17-1	29-Jul-02	5452.41		17.73			5434.68					No Sample
T-17-1	06-Jun-03	5452.41		17.22			5435.19					No Sample
T-17-1	21-Jan-04	5452.41		17.79			5434.62					No Sample
T-17-1	26-May-04	5452.41		17.42			5434.99					No Sample
T-17-1	29-Jul-04	5452.41		18.09			5434.32					No Sample
T-17-1	03-Jan-05	5452.41		17.96			5434.45					No Sample
T-17-1	08-Apr-05	5452.41		17.61			5434.80					No Sample

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
 Thriftway Refinery, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Corrected Groundwater Elevation (ft)*	Groundwater Elevation (ft amsl)	pH	Conductivity (mS)	Dissolved Oxygen (mg/L)	Temp. (°F)	Purge Volume (gallons)
T-17-1	19-Sep-05	5452.41		17.97			5434.44	NM	NM	NM	NM	No Sample
T-17-1	03-Jan-06	5452.41		17.9			5434.51	NM	NM	NM	NM	No Sample

NOTES: NM - Not Measured
 P - Purged 3 Well Volumes
 MP - Micro-Purge
 B - Sample Collected with Disposable Bailer

TABLE 2.
SUMMARY OF GROUNDWATER BTEX, MTBE AND TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8021/8015
Thriftway Refinery, Bloomfield, New Mexico

<i>Well</i>	<i>Date</i>	<i>Benzene</i> (µg/L)	<i>Toluene</i> (µg/L)	<i>Ethyl- benzene</i> (µg/L)	<i>Xylenes</i> (µg/L)	<i>MTBE</i> (µg/L)	<i>GRO C6-C10</i> (mg/L)	<i>DRO C10-C22</i> (mg/L)
NM WQCC STANDARD		10	750	750	620	100	NE	NE
AS Infl	5/30/2001	940	79	290	920	200	NA	
AS Infl	7/31/2001	1600	210	520	1610	250	NA	
AS Infl	11/1/2001	1200	430	430	1290	270	NA	
AS Infl	12/4/2001	520	240	430	1130	NA	NA	
AS Infl	1/31/2002	520	120	360	850	200	NA	
AS Infl	2/28/2002	890	90	370	1030	150	NA	
AS Infl	3/29/2002	690	51	300	879	130	NA	
AS Infl	4/26/2002	950	81	310	899	310	NA	
AS Infl	5/22/2002	900	63	290	817	270	NA	
AS Infl	6/24/2002	770	200	350	158	200	NA	
AS Infl	8/27/2002	1500	120	370	800	170	NA	
AS Infl	9/30/2002	1200	2200	990	850	110	NA	
AS Infl	10/29/2002	310	59	220	380	82	NA	
AS Infl	11/29/2002	340	150	260	470	86	NA	
AS Infl	12/30/2002	290	280	244	430	120	NA	
AS Infl	2/3/2003	390	75	190	220	120	NA	
AS Infl	3/10/2003	430	2200	590	1800	110	NA	
AS Infl	4/2/2003	540	82	290	580	120	NA	
AS Infl	4/29/2003	530	62	240	560	130	NA	
AS Infl	6/5/2003	380	71	320	630	110	NA	
AS Infl	6/30/2003	510	310	290	550	140	NA	
AS Infl	8/15/2003	40	29	120	190	<25	NA	
AS Infl	10/2/2003	370	19	270	340	80	NA	
AS Infl	11/4/2003	190	11	90	72	81	NA	
AS Infl	12/23/2003	610	1200	450	950	140	NA	
AS Infl	1/20/2004	300	510	340	790	88	NA	
AS Infl	2/27/2004	630	700	270	620	110	7.6	
AS Infl	3/31/2004	610	220	260	410	130	6.1	
AS Infl	4/28/2004	440	700	340	880	82	8.2	
AS Infl	5/25/2004	640	150	270	380	130	5.9	
AS Infl	6/30/2004	370	59	210	220	140	3.8	
AS Infl	7/29/2004	420	170	350	540	110	6.8	
AS Infl	8/31/2004	550	390	250	310	95	4.9	
AS Infl	9/29/2004	240	120	190	150	49	3.2	
AS Infl	11/30/2004	98	120	150	170	57	2.7	
AS Infl	12/30/2004	81	44	120	170	78	2.5	
AS Infl	1/31/2005	1100	1700	260	600	120	9.1	
AS Infl	4/8/2005	2800	11000	1700	5100	<25	37	
AS Infl	5/20/2005	360	1200	300	790	85	6.9	
AS Infl	7/27/2005	810	1900	1800	5200	140	40	
AS Infl	9/19/2005	64	260	370	1200	62	6.3	
AS Infl	10/31/2005	190	1800	480	1600	<25	9.5	
AS Infl	1/5/2006	57	320	270	720	39	3.9	1.7

TABLE 2.
SUMMARY OF GROUNDWATER BTEX, MTBE AND TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8021/8015
Thriftway Refinery, Bloomfield, New Mexico

<i>Well</i>	<i>Date</i>	<i>Benzene</i> (µg/L)	<i>Toluene</i> (µg/L)	<i>Ethyl- benzene</i> (µg/L)	<i>Xylenes</i> (µg/L)	<i>MTBE</i> (µg/L)	<i>GRO C6-C10</i> (mg/L)	<i>DRO C10-C22</i> (mg/L)
NM WQCC STANDARD		10	750	750	620	100	NE	NE
AS Effl	5/30/2001	<0.50	<0.50	<0.50	<1.50	5.6	NA	
AS Effl	7/31/2001	0.9	<0.50	<0.50	1.1	<1.00	NA	
AS Effl	11/1/2001	4.7	10	3.9	18.5	21	NA	
AS Effl	12/4/2001	<0.50	<0.50	0.6	<1.50		NA	
AS Effl	1/31/2002	0.8	5.1	1.8	8.5	2.3	NA	
AS Effl	3/29/2002	1.6	ND	ND	ND	6.3	NA	
AS Effl	4/26/2002	0.7	1	ND	ND	14	NA	
AS Effl	5/22/2002	2.9	5.5	0.9	3.7	97	NA	
AS Effl	6/24/2002	0.6	0.5	2.1	4	24	NA	
AS Effl	8/27/2002	0.6	0.8	ND	1.3	16	NA	
AS Effl	9/30/2002	ND	0.6	0.6	1.1	7.5	NA	
AS Effl	10/29/2002	ND	ND	ND	ND	ND	NA	
AS Effl	11/29/2002	ND	ND	ND	ND	ND	NA	
AS Effl	12/30/2002	ND	2.2	1.3	4.9	ND	NA	
AS Effl	2/4/2003	ND	ND	ND	1.8	ND	NA	
AS Effl	3/10/2003	1	5.9	2.3	8.2	5.1	NA	
AS Effl	4/2/2003	ND	ND	0.8	2.3	ND	NA	
AS Effl	4/29/2003	ND	ND	ND	1.4	ND	NA	
AS Effl	6/5/2003	<0.6	<0.50	0.6	1.4	ND	NA	
AS Effl	6/30/2003	ND	1.3	1.1	4	ND	NA	
AS Effl	8/15/2003	ND	ND	ND	ND	ND	NA	
AS Effl	10/2/2003	ND	ND	ND	ND	ND	NA	
AS Effl	11/4/2003	ND	ND	ND	ND	ND	NA	
AS Effl	12/23/2004	0.9	5.3	1.5	5.4	3.1	NA	
AS Effl	1/20/2004	0.9	3.3	1.4	4.8	2.9	NA	
AS Effl	2/27/2004	<0.5	0.8	<0.5	1.7	<2.5	<0.10	
AS Effl	3/31/2004	2.2	2.4	1.1	3.5	<2.5	<0.10	
AS Effl	4/28/2004	<0.5	0.6	<0.5	1.6	<2.5	<0.10	
AS Effl	5/25/2004	1.5	4.6	1.3	4.4	<2.5	0.12	
AS Effl	6/30/2004	0.7	0.6	0.7	1.8	<2.5	<0.10	
AS Effl	7/29/2004	<0.5	<0.5	0.5	<1.0	<2.5	<0.10	
AS Effl	8/31/2004	0.9	1.1	<0.5	1.0	<2.5	<0.10	
AS Effl	9/29/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
AS Effl	11/30/2004	0.5	5.4	3.0	7.8	<2.5	<0.10	
AS Effl	12/30/2004	<0.5	1.0	0.6	2.4	2.6	<0.10	
AS Effl	1/31/2005	1.1	1.9	<0.5	1.7	<2.5	<0.10	
AS Effl	4/8/2005	4.9	30	8.3	36	2.5	0.25	
AS Effl	5/20/2005	0.6	2.0	0.5	2.7	<2.5	<0.10	
AS Effl	7/27/2005	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
AS Effl	9/19/2005	<0.5	1.0	1.6	7.6	<2.5	<0.10	
AS Effl	10/31/2005	<0.5	2.1	0.6	2.6	<2.5	<0.10	
AS Effl	1/5/2006	<0.5	3.5	2.2	8.1	1.9	<0.10	<1.0
MW-1	2/4/2002	Not Sampled/ Free Product						
MW-1	1/3/2006	19	<0.5	<0.5	<2.0	3.3	0.11	<1.0

TABLE 2.
SUMMARY OF GROUNDWATER BTEX, MTBE AND TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8021/8015
Thriftway Refinery, Bloomfield, New Mexico

<i>Well</i>	<i>Date</i>	<i>Benzene</i> (µg/L)	<i>Toluene</i> (µg/L)	<i>Ethyl- benzene</i> (µg/L)	<i>Xylenes</i> (µg/L)	<i>MTBE</i> (µg/L)	<i>GRO C6-C10</i> (mg/L)	<i>DRO C10-C22</i> (mg/L)
NM WQCC STANDARD		10	750	750	620	100	NE	NE
MW-2	1/5/2006	690	<10	360	1300	39	13	120
MW-3	1/5/2006	870	<25	1300	5500	150	110	72
MW-4	7/25/2002	7.9	ND	0.9	0.6	31	NA	
MW-4	11/26/2002	6.1	ND	ND	1.1	18	NA	
MW-4	6/5/2003	6.6	ND	ND	ND	18	NA	
MW-4	11/3/2003	2.1	ND	ND	ND	17	NA	
MW-4	1/19/2004	2.2	0.6	<0.5	1.3	27	NA	
MW-4	5/25/2004	3.9	<0.5	<0.5	1.8	26	0.20	
MW-4	7/27/2004	2.0	<0.5	<0.5	<1.0	15	0.12	
MW-4	12/28/2004	1.5	<0.5	<0.5	<1.0	11	<0.10	
MW-4	9/19/2005	1.2	<0.5	<0.5	<1.0	20	0.11	
MW-4	1/4/2006	0.7	<0.5	<0.5	<2.0	22	<0.10	<1.0
MW-5	1/30/2002	5.1	<0.5	<0.5	<1.50	43	NA	
MW-5	7/25/2002	4.7	ND	ND	ND	51	NA	
MW-5	11/26/2002	5.1	ND	ND	ND	47	NA	
MW-5	6/5/2003	1.5	ND	ND	ND	25	NA	
MW-5	11/3/2003	ND	ND	ND	ND	26	NA	
MW-5	1/19/2004	3.8	0.9	<0.5	1.4	44	NA	
MW-5	5/25/2004	1.8	0.5	<0.5	<1.0	36	0.14	
MW-5	7/27/2004	<0.5	<0.5	<0.5	<1.0	29	<0.10	
MW-5	12/28/2004	<0.5	<0.5	<0.5	<1.0	27	<0.10	
MW-6	1/30/2002	<0.5	<0.5	<0.5	<1.5	2.5	NA	
MW-6	7/26/2002	3.4	0.7	0.5	ND	23	NA	
MW-6	11/26/2002	ND	ND	ND	ND	30	NA	
MW-6	6/5/2003	0.8	ND	ND	ND	11	NA	
MW-6	11/3/2003	ND	ND	ND	ND	30	NA	
MW-6	1/19/2004	<0.5	0.7	<0.5	<1.0	9.2	NA	
MW-6	5/25/2004	<0.5	1.0	<0.5	<1.0	28	0.11	
MW-6	7/27/2004	0.8	<0.5	<0.5	1.1	61	0.21	
MW-6	12/28/2004	<0.5	<0.5	<0.5	<1.0	19	<0.10	
MW-6	9/19/2005	1.9	<0.5	0.5	<1.0	66	0.22	
MW-6	1/4/2006	<0.5	<0.5	<0.5	<2.0	11	<0.10	<1.0
MW-7	1/19/2004	<0.5	<0.5	<0.5	1.6	210	NA	
MW-7	5/25/2004	<0.5	<0.5	<0.5	<1.0	190	0.25	
MW-7	7/27/2004	<0.5	<0.5	<0.5	1.3	190	0.27	
MW-7	12/29/2004	<0.5	<0.5	<0.5	<1.0	150	0.14	
MW-7	9/19/2005	<0.5	<0.5	<0.5	<1.0	140	0.14	
MW-7	1/4/2006	1.9	<0.5	1.7	2.1	120	0.16	<1.0
MW-8	1/30/2002	<0.5	<0.5	<0.5	<1.5	<1.0	NA	
MW-8	7/26/2002	ND	ND	ND	ND	1.4	NA	
MW-8	11/26/2002	0.9	ND	ND	ND	230	NA	
MW-8	6/5/2003	1.3	ND	ND	ND	190	NA	

TABLE 2.
SUMMARY OF GROUNDWATER BTEX, MTBE AND TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8021/8015
Thriftway Refinery, Bloomfield, New Mexico

<i>Well</i>	<i>Date</i>	<i>Benzene</i> (µg/L)	<i>Toluene</i> (µg/L)	<i>Ethyl- benzene</i> (µg/L)	<i>Xylenes</i> (µg/L)	<i>MTBE</i> (µg/L)	<i>GRO C6-C10</i> (mg/L)	<i>DRO C10-C22</i> (mg/L)
NM WQCC STANDARD		10	750	750	620	100	NE	NE
MW-8	11/4/2003	ND	ND	ND	ND	170	NA	
MW-8	Well Not Found							
MW-8	1/4/06	<0.5	<0.5	<0.5	<2.0	136	0.10	<1.0
MW-9	1-30-02	5.5	1.6	1.7	<1.5	26	NA	
MW-9	11-26-02	ND	ND	ND	ND	ND	NA	
MW-9	6-05-03	ND	ND	ND	ND	ND	NA	
MW-9	11-04-03	ND	ND	ND	ND	ND	NA	
MW-9	1/19/2004	<0.5	<0.5	<0.5	<1.0	<2.5	NA	
MW-9	5/25/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-9	7/28/2004	<0.5	<0.5	<0.5	1.0	<2.5	<0.10	
MW-9	12/29/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-9	9/19/2005	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-9	1/4/2006	<0.5	<0.5	<0.5	<2.0	<0.5	<0.10	<1.0
MW-10	7/26/2002	ND	ND	ND	ND	ND	NA	
MW-10	11/26/2002	ND	ND	ND	ND	ND	NA	
MW-10	6/5/2003	ND	ND	ND	ND	ND	NA	
MW-10	11/4/2003	ND	ND	ND	ND	ND	NA	
MW-10	1/19/2004	<0.5	<0.5	<0.5	<1.0	<2.5	NA	
MW-10	5/25/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-10	7/28/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-10	12/29/2004	<0.5	1.6	0.6	3.1	<2.5	<0.10	
MW-10	9/19/2005	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-10	1/3/2006	<0.5	<0.5	<0.5	<2.0	<0.5	<0.10	<1.0
MW-11	1/30/2002	<0.5	<0.5	<0.5	<1.5	<1.0	NA	
MW-11	7/26/2002	ND	ND	ND	ND	ND	NA	
MW-11	11/26/2002	ND	0.6	ND	ND	ND	NA	
MW-11	6/5/2003	ND	ND	ND	ND	ND	NA	
MW-11	11/4/2003	ND	ND	ND	ND	ND	NA	
MW-11	1/20/2004	<0.5	<0.5	<0.5	<1.0	<2.5	NA	
MW-11	5/25/2004	<0.5	1.6	0.7	4.1	<2.5	0.12	
MW-11	7/28/2004	<0.5	1.9	0.9	3.3	<2.5	<0.10	
MW-11	12/29/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-12	1/30/2002	28	1.8	54	104.6	110	NA	
MW-12	7/26/2002	43	1.7	59	115.1	140	NA	
MW-12	12/3/2002	12	ND	24	35	120	NA	
MW-12	6/5/2003	30	1.1	29	39	88	NA	
MW-12	1/20/2004	17	<2.5	34	43	100	NA	
MW-12	5/25/2004	49	2.4	46	63	62	0.88	
MW-12	12/30/2004	7.0	0.7	35	74	87	0.69	
MW-12	1/5/2006	6.4	<5.0	32	71	54	<1.0	570
MW-13	1/30/2002	<0.5	<0.5	<0.5	<1.5	<1.0	NA	
MW-13	7/26/2002	ND	ND	ND	ND	ND	NA	
MW-13	12/3/2002	ND	ND	ND	ND	ND	NA	
MW-13	6/5/2003	ND	ND	ND	ND	ND	NA	

TABLE 2.
SUMMARY OF GROUNDWATER BTEX, MTBE AND TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8021/8015
Thriftway Refinery, Bloomfield, New Mexico

<i>Well</i>	<i>Date</i>	<i>Benzene</i> (µg/L)	<i>Toluene</i> (µg/L)	<i>Ethyl- benzene</i> (µg/L)	<i>Xylenes</i> (µg/L)	<i>MTBE</i> (µg/L)	<i>GRO C6-C10</i> (mg/L)	<i>DRO C10-C22</i> (mg/L)
NM WQCC STANDARD		10	750	750	620	100	NE	NE
MW-13	11/4/2003	ND	ND	ND	ND	ND	NA	
MW-13	1/20/2004	<0.5	<0.5	<0.5	<1.0	<2.5	NA	
MW-13	7/28/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-13	12/30/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-13	9/19/2005	0.6	1.6	<0.5	<1.0	<2.5	0.20	
MW-13	1/3/2006	<0.5	<0.5	<0.5	<2.0	<0.5	<0.10	<1.0
MW-14	5/25/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-14	1/3/2006	44	3.9	50	<10	12	1.1	1.1
MW-15	1/30/2002	<0.5	<0.5	<0.5	<1.5	<1.0	NA	
MW-15	7/26/2002	ND	ND	ND	ND	ND	NA	
MW-15	12/3/2002	ND	ND	ND	ND	ND	NA	
MW-15	6/5/2003	ND	ND	ND	ND	ND	NA	
MW-15	11/4/2003	ND	ND	ND	ND	ND	NA	
MW-15	1/20/2004	<0.5	<0.5	<0.5	<1.0	<2.5	NA	
MW-15	5/25/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-15	7/28/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-15	12/29/2004	<0.5	0.6	<0.5	<1.0	<2.5	<0.10	
MW-15	9/19/2005	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-15	1/3/2006	<0.5	<0.5	<0.5	<2.0	<0.5	<0.10	<1.0
MW-17	1/5/2006	620	72	120	900	29	8.5	8.2
MW-18	1/30/2002	1.0	<0.5	<0.5	<1.5	18	NA	
MW-18	7/25/2002	6.9	ND	1.1	0.7	36	NA	
MW-18	11/26/2002	5	ND	ND	ND	33	NA	
MW-18	6/5/2003	2.9	ND	ND	ND	16	NA	
MW-18	11/3/2003	ND	ND	ND	ND	15	NA	
MW-18	1/19/2004	0.7	<0.5	<0.5	<1.0	18	NA	
MW-18	5/25/2004	2.6	<0.5	<0.5	1.2	32	0.16	
MW-18	7/27/2004	<0.5	<0.5	<0.5	<1.0	<2.5	<0.10	
MW-18	12/28/2004	<0.5	<0.5	<0.5	<1.0	18	<0.10	
MW-18	9/19/2005	3.8	<0.5	<0.5	2.0	54	0.23	
MW-18	1/4/2006	0.7	1.3	0.6	2.7	47	0.10	<1.0
MW-19	1/30/2002	0.6	0.9	0.8	<1.5	530	NA	
MW-19	7/25/2002	ND	ND	0.9	ND	610	NA	
MW-19	11/26/2002	ND	ND	ND	ND	310	NA	
MW-19	6/5/2003	3.2	ND	ND	ND	420	NA	
MW-19	11/3/2003	ND	ND	ND	ND	520	NA	
MW-19	1/19/2004	0.6	<0.5	<0.5	1.7	310	NA	
MW-19	5/25/2004	<0.5	<0.5	<0.5	<1.0	180	0.25	
MW-19	7/27/2004	<0.5	<0.5	<0.5	1.2	210	0.30	
MW-19	12/28/2004	<0.5	0.6	<0.5	3.0	250	0.40	
MW-19	9/19/2005	<0.5	<0.5	<0.5	2.0	120	0.21	
MW-19	1/4/2006	<0.5	<0.5	<0.5	<2.0	260	0.21	<1.0
MW-20	1/30/2002	1.6	3.7	6.3	1.2	670	NA	

TABLE 2.
SUMMARY OF GROUNDWATER BTEX, MTBE AND TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8021/8015
Thriftway Refinery, Bloomfield, New Mexico

<i>Well</i>	<i>Date</i>	<i>Benzene</i> (µg/L)	<i>Toluene</i> (µg/L)	<i>Ethyl- benzene</i> (µg/L)	<i>Xylenes</i> (µg/L)	<i>MTBE</i> (µg/L)	<i>GRO C6-C10</i> (mg/L)	<i>DRO C10-C22</i> (mg/L)
NM WQCC STANDARD		10	750	750	620	100	NE	NE
MW-20	7/26/2002	ND	ND	ND	ND	950	NA	
MW-20	11/26/2002	1.6	ND	ND	2	350	NA	
MW-20	6/5/2003	7	ND	7.1	7.2	630	NA	
MW-20	11/4/2003	3.2	ND	ND	5.1	480	NA	
MW-20	1/19/2004	2.8	<0.5	1.4	3.3	680	NA	
MW-20	5/25/2004	1.9	<0.5	3.3	7.6	400	0.82	
MW-20	7/27/2004	2.1	<0.5	<0.5	2.3	590	0.91	
MW-20	12/29/2004	2.0	<0.5	<0.5	7.2	300	0.89	
MW-20	9/19/2005	<2.5	<2.5	<2.5	5.4	160	1.2	
MW-20	1/4/2006	<0.5	<0.5	<0.5	<2.0	400	0.50	<1.0
MW-21	1/30/2002	<0.5	<0.5	<0.5	<1.5	44	NA	
MW-21	7/26/2002	ND	ND	ND	ND	34	NA	
MW-21	11/26/2002	1.4	ND	ND	ND	34	NA	
MW-21	6/5/2003	ND	ND	ND	ND	14	NA	
MW-21	11/4/2003	ND	ND	ND	ND	25	NA	
MW-21	1/19/2004	<0.5	<0.5	<0.5	<1.0	<2.5	NA	
MW-21	5/25/2004	<0.5	<0.5	<0.5	<1.0	18	0.11	
MW-21	7/28/2004	<0.5	<0.5	<0.5	<1.0	24	<0.10	
MW-21	12/29/2004	<0.5	<0.5	<0.5	<1.0	25	<0.10	
MW-21	9/19/2005	<0.5	<0.5	<0.5	<1.0	29	<0.10	
MW-21	1/4/2006	<0.5	<0.5	<0.5	<2.0	24	<0.10	<1.0
MW-22	1/30/2002	<0.5	<0.5	<0.5	<1.5	12	NA	
MW-22	7/26/2002	ND	ND	ND	ND	14	NA	
MW-22	11/26/2002	ND	ND	ND	ND	14	NA	
MW-22	6/5/2003	ND	ND	ND	ND	ND	NA	
MW-22	11/4/2003	ND	ND	ND	ND	11	NA	
MW-22	1/19/2004	<0.5	<0.5	<0.5	<1.0	13	NA	
MW-22	5/25/2004	<0.5	<0.5	<0.5	<1.0	13	0.11	
MW-22	7/28/2004	<0.5	<0.5	<0.5	<1.0	14	<0.10	
MW-22	12/29/2004	<0.5	<0.5	<0.5	<1.0	11	<0.10	
MW-22	9/19/2005	<0.5	<0.5	<0.5	<1.0	11	<0.10	
MW-22	1/4/2006	<0.5	<0.5	<0.5	<2.0	11	<0.10	<1.0
MW-24	1/5/2006	1600	88	82	650	1400	5.0	820
MW-29	1/5/2006	3000	1700	340	2700	1500	23	19
RW-24	1/5/2006	920	<10	140	580	450	<10	3.2
RW-25	1/5/2006	2500	1200	350	2600	320	16	71
RW-26	1/5/2006	2100	130	290	1700	79	40	250

Notes:

<	Analyte not detected above listed method limit
NA	Not analyzed
NE	Not established
µg/L	Micrograms per liter (ppb)

TABLE 2.
SUMMARY OF GROUNDWATER BTEX, MTBE AND TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 8021/8015

Thriftway Refinery, Bloomfield, New Mexico

<i>Well</i>	<i>Date</i>	<i>Benzene</i> (µg/L)	<i>Toluene</i> (µg/L)	<i>Ethyl- benzene</i> (µg/L)	<i>Xylenes</i> (µg/L)	<i>MTBE</i> (µg/L)	<i>GRO C6-C10</i> (mg/L)	<i>DRO C10-C22</i> (mg/L)
NM WQCC STANDARD		10	750	750	620	100	NE	NE

mg/L Milligrams per liter (ppm)

TABLE 3.
SUMMARY OF GROUNDWATER POLYNUCLEAR AROMATIC HYDROCARBONS PER EPA METHOD 8270 SIMS
THRIFTWAY REFINERY, BLOOMFIELD, NEW MEXICO

Sample ID	Sample Date	1-Methyl naphthalene (µg/L) 30	2-Methyl naphthalene (µg/L) 30	Acenaphthene (µg/L) NE	Acenaphthylene (µg/L) NE	Anthracene (µg/L) NE	Benzo(a) anthracene (µg/L) NE	Benzo(a) pyrene (µg/L) 0.7	Benzo(b) fluoroanthene (µg/L) NE	Benzo(g,h,i) perylene (µg/L) NE	Benzo(k) fluoranthene (µg/L) NE	Chrysene (µg/L) NE	Dibenz(a,h) anthracene (µg/L) NE	Fluoranthene (µg/L) NE	Fluorene (µg/L) NE	Indeno(1,2,3-cd) pyrene (µg/L) NE	Naphthalene (µg/L) 30	Phenanthrene (µg/L) NE	Pyrene (µg/L) NE
NM WQCC Standard																			
Airstripper Influent	1/20/2004	280	290	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	540	<0.40	<0.40
	12/30/2004	40	32	0.56	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	3.2	<0.40	30	2.3	<0.40
	1/5/2006	3.84	2.98	0.58	0.3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.97	<0.20	8.53	0.88	0.38
Airstripper Effluent	1/20/2004	3.2	3	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	1.5	<0.40	4.7	2.1	<0.40
	12/30/2004	3.6	2.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	1.8	<0.40	2.2	1.9	<0.40
	1/5/2006	0.49	0.37	0.25	<0.20	<0.20	0.38	0.55	<0.20	0.61	<0.20	<0.20	<0.20	<0.20	0.93	0.56	1.32	0.8	<0.20
MW-1	1/3/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-2	1/5/2006	10800	11600	1240	379	136	197	278	<120	<120	<120	900	<120	206	3620	<120	6780	4950	1050
MW-3	1/5/2006	667	684	94.7	28.2	10.5	13.6	14.8	<5.0	<5.0	<5.0	32.6	<5.0	14.2	221	<5.0	534	243	60.5
MW-4	1/19/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/28/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	1/4/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-5	1/19/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/28/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	1/19/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
MW-6	1/19/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/28/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	1/4/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-7	1/19/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/29/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	1/4/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-8	1/4/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	1/19/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/29/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
MW-9	1/4/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	1/19/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/29/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
MW-10	1/4/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	1/19/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/29/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
MW-11	1/3/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	1/20/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/29/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
MW-12	1/20/2004	140	170	2.8	4.7	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	14	<0.40	77	38	1
	12/30/2004	3500	3700	41	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	15	<0.40	8	360	<0.40	730	650	<0.40
	1/5/2006	1400	1300	152	45	25.1	10.9	25.2	<10	<10	<10	32.4	<10	17.2	384	<10	683	461	63.1

TABLE 3.
SUMMARY OF GROUNDWATER POLYNUCLEAR AROMATIC HYDROCARBONS PER EPA METHOD 8270 SIMS
THRIFTWAY REFINERY, BLOOMFIELD, NEW MEXICO

Sample ID	Sample Date	1-Methyl naphthalene (µg/L)	2-Methyl naphthalene (µg/L)	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo(a) anthracene (µg/L)	Benzo(a) pyrene (µg/L)	Benzo(b) fluoroanthene (µg/L)	Benzo(g,h,i) perylene (µg/L)	Benzo(k) fluoranthene (µg/L)	Chrysene (µg/L)	Dibenz(a,h) anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-cd) pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
NM WQCC Standard		30	30	NE	NE	NE	NE	0.7	NE	NE	NE	NE	NE	NE	NE	NE	30	NE	NE
MW-13	1/20/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/30/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	1/3/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-14	1/3/2006	<0.20	<0.20	0.21	<0.20	<0.20	<0.35	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.25	<0.20	0.32	<0.20	<0.20
	1/20/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
MW-15	12/29/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	1/3/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-17	1/5/2006	48.4	53.5	5	2.12	1.76	1.59	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	1.26	14.7	<1.0	31.1	15.6	3.54
	1/19/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
MW-18	12/28/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	1/4/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.60	<0.20	<0.20	0.40	<0.20	<0.20	<0.20	0.90
	1/19/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
MW-19	12/28/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	1/4/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	1/20/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
MW-20	12/29/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	1/4/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.33	<0.20	<0.20	<0.20	<0.20
MW-21	1/20/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/29/2004	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
MW-22	1/4/2006	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	1/20/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	12/29/2004	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
MW-24	1/4/2006	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	1/5/2006	761	734	105	25.9	14.6	<5.0	12.4	<5.0	<5.0	<5.0	19.2	<5.0	14.8	251	<5.0	616	318	13.8
MW-29	1/5/2006	465	493	34.6	12.6	7.06	7.7	11.9	<5.0	<5.0	<5.0	8.54	<5.0	<5.0	<5.0	<5.0	462	80.8	13.8
RW-24	1/5/2006	79.6	38.4	4.93	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.09	<2.0	2.89	10.7	<2.0	58.9	12.5	4.06
RW-25	1/5/2006	1270	1280	129	38.4	18.4	14.5	24.8	<10	<10	<10	34.8	<10	14.2	297	<10	870	345	46.7
RW-26	1/5/2006	1520	1350	192	48.1	14.7	14.9	22.9	<10	<10	<10	24.1	<10	16.9	441	<10	855	466	58.6

Notes: < Analyte not detected above listed method limit
NA Not analyzed
NE Not established
µg/L Micrograms per liter (ppb)
mg/L Milligrams per liter (ppm)

TABLE 4.
SUMMARY OF GROUNDWATER RCRA 8 METALS PER EPA METHOD 6010B & 7470A
THRIFTWAY REFINERY, BLOOMFIELD, NEW MEXICO

Sample ID	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
NM WQCC STANDARD		0.10	1.0	0.01	0.05	0.05	0.05	0.05	0.002
Airstripper Influent	1/20/2004	<0.0050	0.059	<0.0050	0.0050	<0.0050	<0.010	<0.0050	<0.00020
	12/30/2005	<0.0050	0.043	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	1/5/2006	0.004	0.049	<0.0010	0.0078	0.0012	<0.002	<0.001	<0.00020
Airstripper Effluent	1/20/2004	<0.0050	0.059	<0.0050	0.0180	0.23	<0.010	<0.0050	<0.00020
	12/30/2005	<0.0050	0.043	<0.0050	<0.0050	0.18	<0.010	<0.0050	<0.00020
	1/5/2006	0.007	0.047	0.0012	0.0037	0.37	0.015	<0.001	<0.00020
MW-1	1/3/2006	0.003	0.137	<0.0010	0.0043	0.0037	0.011	<0.0010	<0.00020
MW-2	1/5/2006	0.002	1.120	<0.0010	0.0152	0.0294	0.009	<0.0010	<0.00020
MW-3	1/5/2006	0.114	3.670	<0.0010	0.0119	0.0402	0.008	<0.0010	<0.00020
MW-4	1/19/2004	0.015	0.170	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	12/28/2004	0.12	0.070	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	1/4/2006	0.045	0.224	<0.0010	0.0168	0.0091	0.016	<0.0010	<0.00020
MW-5	1/19/2004	<0.0050	0.038	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	12/28/2004	<0.0050	0.077	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
MW-6	1/19/2004	<0.0050	0.018	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	12/28/2004	<0.0050	0.015	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	1/4/2006	0.001	0.028	<0.0010	0.015	<0.0010	0.023	<0.0010	<0.00020
MW-7	1/19/2004	0.14	2.0	<0.0050	0.012	0.015	<0.010	<0.0050	<0.00020
	12/29/2004	0.01	0.083	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	1/4/2006	0.314	3.160	<0.0010	0.035	0.044	0.014	<0.0010	<0.00020
MW-8	1/4/2006	0.018	0.042	<0.0010	0.014	0.005	0.007	<0.0010	<0.00020
MW-9	1/19/2004	0.008	0.23	<0.0050	0.016	0.010	<0.010	<0.0050	<0.00020
	12/29/2004	<0.0050	0.013	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	1/4/2006	0.004	0.036	<0.0010	0.007	0.002	0.008	<0.0010	<0.00020
MW-10	1/19/2004	<0.0050	0.038	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	12/29/2004	<0.0050	0.024	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	1/3/2006	0.006	0.144	<0.0010	0.008	0.002	0.025	<0.0010	<0.00020
MW-11	1/20/2004	0.14	2.4	<0.0050	0.12	0.094	<0.010	<0.0050	<0.00020
	12/29/2004	0.0090	0.098	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
MW-12	1/20/2004	0.017	0.18	<0.0050	0.030	0.013	<0.010	<0.0050	<0.00020
	12/30/2004	0.012	0.18	<0.0050	0.029	0.010	<0.010	<0.0050	<0.00020
	1/5/2006	0.004	0.11	<0.0010	0.014	0.028	0.021	<0.0010	<0.00020
MW-13	1/20/2004	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	12/30/2004	<0.0050	0.021	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	1/3/2006	<0.0010	0.014	<0.0010	0.003	<0.0010	0.023	<0.0010	<0.00020
MW-14	1/3/2006	0.011	0.114	<0.0010	0.008	0.014	0.019	<0.0010	<0.00020
MW-15	1/20/2004	0.0050	0.320	<0.0050	0.020	0.010	<0.010	<0.0050	<0.00020
	12/29/2004	<0.0050	0.046	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	1/3/2006	0.005	0.127	<0.0010	0.008	0.008	0.025	<0.0010	<0.00020
MW-17	1/5/2006	0.006	0.107	<0.0010	0.013	0.008	0.008	<0.0010	<0.00020

TABLE 4.
SUMMARY OF GROUNDWATER RCRA 8 METALS PER EPA METHOD 6010B & 7470A
THRIFTWAY REFINERY, BLOOMFIELD, NEW MEXICO

Sample ID	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
NM WQCC STANDARD		0.10	1.0	0.01	0.05	0.05	0.05	0.05	0.002
MW-18	1/19/2004	1.0	1.2	<0.0050	0.11	0.13	<0.010	<0.0050	0.00028
	12/28/2004	0.28	0.12	<0.0050	0.0060	<0.0050	<0.010	<0.0050	<0.00020
	1/4/2006	0.094	0.06	<0.0010	0.017	0.007	0.018	<0.0010	<0.00020
MW-19	1/19/2004	0.0070	0.058	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	12/28/2004	<0.0050	0.058	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	1/4/2006	0.019	0.164	<0.0010	0.023	0.012	0.017	<0.0010	<0.00020
MW-20	1/19/2004	0.08	0.51	<0.0050	0.066	0.075	<0.010	<0.0050	0.00026
	12/29/2004	0.01	0.055	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.00020
	1/4/2006	0.016	0.061	<0.0010	0.023	0.004	0.010	<0.0010	<0.00020
MW-21	1/19/2004	0.038	0.091	<0.0050	0.013	0.010	<0.010	<0.0050	<0.00020
	12/29/2004	0.13	0.065	<0.0050	0.0060	0.0060	<0.010	<0.0050	<0.00020
	1/4/2006	0.046	0.053	<0.0010	0.013	0.0093	0.025	<0.0010	<0.00020
MW-22	1/20/2004	0.016	0.036	<0.0050	0.054	0.65	<0.010	<0.0050	<0.00020
	12/29/2004	0.006	0.017	<0.0050	<0.0050	0.20	<0.010	<0.0050	<0.00020
	1/4/2006	0.015	0.186	0.004	0.022	0.75	<0.002	<0.001	<0.00020
MW-24	1/5/2006	0.009	0.101	<0.0010	0.011	0.04	0.018	<0.0010	<0.00020
MW-29	1/5/2006	0.010	0.294	<0.0010	0.011	0.38	0.015	<0.0010	<0.00020
RW-24	1/5/2006	NA	NA	NA	NA	NA	NA	NA	NA
RW-25	1/5/2006	0.006	0.027	<0.0010	0.009	0.07	0.014	<0.0010	<0.00020
RW-26	1/5/2006	0.005	0.535	<0.0010	0.006	0.03	0.014	<0.0010	<0.00020

Notes:

<	Analyte not detected above listed method limit
NA	Not analyzed
NE	Not established
µg/L	Micrograms per liter (ppb)
mg/L	Milligrams per liter (ppm)

TABLE 5.

SUMMARY OF GROUNDWATER DISSOLVED METALS, CHLORIDES, SULFATE, SPECIFIC CONDUCTANCE, HARDNESS, TDS
Thriftway Refinery, Bloomfield, New Mexico

Sample ID	Sample Date	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate as SO ₄ (mg/L)	Specific Conductance (mS)	Hardness as CaCO ₃ (mg/L)	Total Dissolved Solids (mg/L)
	Sample Method	6010B	6010B	6010B	6010B	300.0	4500E	340.2	375.4	120.1	6010B	160.1
	NM WQCC STANDARDS	NE	NE	NE	NE	NE	250	1.6	600	NE	NE	1,000
Airstripper Influent	1/20/2004	400	60	7.3	970	0.50	810	0.53	1,600	5,700	1,100	3,900
	12/30/2004	350	55	8.6	910	0.74	550	1.2	1,500	1,500	1,100	4,100
	1/5/2006	479	72.4	11.2	1,120	<10	634	0.45	1,920	5,540	1,320	4,180
Airstripper Effluent	1/20/2004	400	60	7.2	990	<0.20	1,500	0.47	1,600	8,000	1,100	5,800
	12/30/2004	340	54	8.8	870	0.79	1,500	0.87	1,500	7,900	1,100	4,400
MW-1	1/5/2006	465	72.3	13.3	1,140	<10	1,580	0.45	1,750	9,240	3,020	4,370
MW-2	1/3/2006	493	50.3	10	580	<10	36.0	0.95	2,470	4,020	1,880	3,540
MW-3	1/5/2006	51.8	12.4	2.7	715	<5.0	59.7	0.45	<5.0	2,760	1,620	1,720
MW-4	1/5/2006	256	45	11.3	805	<10	795	0.55	25	4,130	1,440	2,340
	1/19/2004	270	32	6.7	800	<0.20	93	0.41	1,300	3,400	750	2,500
	12/30/2004	180	22	6.2	490	0.20	94	0.49	970	3,200	540	2,300
MW-5	1/4/2006	368	41	12.3	620	<10	143	0.40	1,400	3,830	2,120	2,700
	1/19/2004	65	17	7.7	1,300	<0.20	160	0.59	1,900	4,900	260	3,400
	12/30/2004	67	19	8.8	1,100	0.35	140	0.57	1,700	5,800	260	3,800
MW-6	1/19/2004	190	32	6.9	960	<0.20	71	0.50	1,600	4,200	540	3,000
	12/30/2004	190	32	9.6	860	0.31	100	0.54	1,600	4,800	610	3,500
	1/4/2006	211	37	12.2	1,030	<10	131	0.43	1,830	4,750	1,050	3,110
MW-7	1/19/2004	340	44	8.3	1,100	<0.20	330	0.48	2,400	5,500	990	4,000
	12/29/2004	330	44	10	900	0.36	420	0.49	2,000	5,600	1,100	4,500
	1/4/2006	459	69	16	1,140	<10	488	0.41	2,450	5,740	3,350	4,200
MW-8	1/4/2006	545	78	17	993	<10	230	0.386	2,520	5,690	1,960	4,180
MW-9	1/19/2004	410	61	6	1,500	0.31	86	0.73	4,000	7,000	1,200	5,700
	12/29/2004	420	64	6.6	1,400	0.64	100	0.76	3,600	7,000	1,300	6,200
	1/4/2006	456	78	13.1	1,840	<10	175	0.867	3,800	8,100	1,500	5,770
MW-10	1/19/2004	380	50	6	1,400	0.47	150	0.68	3,500	6,300	1,000	5,200
	12/29/2004	340	53	5.6	1,100	0.99	160	0.71	2,800	5,700	1,100	5,000
	1/3/2006	517	77.3	10.4	1530.0	<10	188	0.81	3,820	6,360	2,020	5,320

TABLE 5.

SUMMARY OF GROUNDWATER DISSOLVED METALS, CHLORIDES, SULFATE, SPECIFIC CONDUCTANCE, HARDNESS, TDS
Thriftway Refinery, Bloomfield, New Mexico

Sample ID	Sample Date	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate as SO ₄ (mg/L)	Specific Conductance (mS)	Hardness as CaCO ₃ (mg/L)	Total Dissolved Solids (mg/L)
	Sample Method	6010B	6010B	6010B	6010B	300.0	4500E	340.2	375.4	120.1	6010B	160.1
	NM WQCC STANDARDS	NE	NE	NE	NE	NE	250	1.6	600	NE	NE	1,000
MW-11	1/20/2004	150	15	<5.0	480	0.41	90	0.54	2,800	5,200	1,200	3,900
	12/29/2004	250	21	8.3	950	0.57	92	0.62	2,300	4,900	720	4,000
MW-12	1/20/2004	420	78	6.5	1,500	0.24	92	1.4	3,700	7,100	1,300	5,600
	12/30/2004	410	81	8.0	1,300	0.24	88	1.9	3,500	7,100	1,200	6,100
MW-13	1/5/2006	398	76.7	10.8	1,660	<10	78.4	1.3	3,400	6,940	1,770	5,160
	1/20/2004	390	57	7.0	1,000	<0.20	710	0.94	3,800	6,400	1,200	5,000
MW-14	12/30/2004	480	63	9.5	1,100	0.21	70	1.3	3,100	6,100	1,400	5,400
	1/3/2006	470	64.4	8.9	1,200	<10	64.7	1.1	39.3	6,190	1,490	4,830
MW-15	1/3/2006	485	53.2	11.1	909	<10	32.9	0.90	3,150	5,540	2,280	4,400
	1/20/2004	130	15	<5.0	180	0.65	210	0.70	2,600	4,800	1,300	3,800
MW-17	12/29/2004	510	36	5.6	490	0.97	150	0.67	1,900	3,800	1,300	3,400
	1/3/2006	414.0	29.3	10.3	550	<10	146	0.70	2,030	3,820	1,370	2,970
MW-18	1/5/2006	530	70.2	14.3	1,030	<10	991	0.32	1,290	6,110	3,800	3,900
	1/19/2004	160	36	10	1,100	0.26	170	0.45	1,400	4,700	750	4,000
MW-19	12/28/2004	130	47	10	1,000	0.50	190	0.45	1,300	5,300	560	3,700
	1/4/2006	196	86	12	1,310	<10	265	0.435	1,980	5,610	960	3,860
MW-20	1/19/2004	370	63	11	1,300	0.34	160	0.48	2,700	5,600	1,100	4,500
	12/30/2004	380	76	8.6	920	0.55	220	0.51	2,300	6,200	1,200	4,800
MW-21	1/4/2006	404	70	9.4	957	<10	178	0.333	2,460	5,470	2,710	3,910
	1/19/2004	480	68	6	1,000	0.32	160	0.56	2,400	5,200	1,400	3,900
MW-22	12/29/2004	410	65	5.9	790	0.44	200	0.56	1,900	4,800	1,300	4,000
	1/4/2006	574	84	14.6	1,050	<10	277	0.509	2,550	5,860	1,850	4,240
MW-23	1/19/2004	390	96	10	2,900	0.40	300	0.46	6,000	11,000	1,300	8,000
	12/29/2004	410	87	13	2,100	0.68	280	0.46	4,600	9,900	1,400	8,500
MW-24	1/4/2006	451	101	16	2,410	<10	513	0.445	5,690	10,500	3,900	7,870
	1/20/2004	400	73	11	2,600	1.2	380	0.35	5,100	10,000	1,200	8,000
MW-25	12/29/2004	350	68	14	2,200	1.8	340	0.36	4,900	10,000	1,200	8,700

TABLE 5.
SUMMARY OF GROUNDWATER DISSOLVED METALS, CHLORIDES, SULFATE, SPECIFIC CONDUCTANCE, HARDNESS, TDS
Thriftway Refinery, Bloomfield, New Mexico

Sample ID	Sample Date	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate as SO ₄ (mg/L)	Specific Conductance (mS)	Hardness as CaCO ₃ (mg/L)	Total Dissolved Solids (mg/L)
Sample Method		6010B	6010B	6010B	6010B	300.0	4500E	340.2	375.4	120.1	6010B	160.1
NM WQCC STANDARDS		NE	NE	NE	NE	NE	250	1.6	600	NE	NE	1,000
MW-22	1/4/2006	465	98	16	2,960	<10	338	0.356	6,430	12,400	4,160	9,710
MW-24	1/5/2006	623.0	80.8	11.0	1010.0	<10	161	0.235	2,650	5,550	2,010	4,640
MW-29	1/5/2006	567.0	75.9	11.2	796.0	<10	168	0.253	2,140	4,710	2,240	3,550
RW-24	1/5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-25	1/5/2006	670.0	76.3	11.1	799.0	<10	206	0.214	2,510	5,350	2,210	4,120
RW-26	1/5/2006	397.0	43.5	9.6	952.0	<10	70	0.297	1,340	5,160	1,880	3,750

Notes: < Analyte not detected above listed method limit
 NA Not analyzed
 NE Not established
 µg/L Micrograms per liter (ppb)
 mg/L Milligrams per liter (ppm)

TABLE 6.
SUMMARY OF GROUNDWATER CARBON DIOXIDE AND FORMS OF ALKALINITY
Thriftway Refinery, Bloomfield, New Mexico

Sample ID	Sample Date	pH	Bi-carbonate (mg/L as CaCO ₃)	Free Carbon Dioxide (mg/L as CaCO ₃)	Carbonate (mg/L as CaCO ₃)	Hydroxide (mg/L as CaCO ₃)	Total Carbon Dioxide (mg/L as CaCO ₃)	Alkalinity as CaCO ₃ (mg/L)
Sample Method		150.1	4500D	4500D	4500D	4500D	4500D	2320B
Airstripper Influent	1/20/2004	6.9	570	70	1.0	<1.0	570	570
	12/30/2004	7.0	840	120	1.0	<1.0	860	840
	1/5/2006	7.5	650	NA	1.7	NA	NA	652
Airstripper Effluent	1/20/2004	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/30/2004	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/5/2006	2.1	<1.0	NA	<1.0	NA	NA	<1.0
MW-1	1/3/2006	7.3	187	NA	<1.0	NA	NA	187
MW-2	1/5/2006	7.3	1130	NA	2.8	NA	NA	1130
MW-3	1/5/2006	7.2	818	NA	1.3	NA	NA	819
MW-4	1/19/2004	7.2	540	47	1.0	<1.0	520	540
	12/28/2004	7.5	530	56	1.0	<1.0	520	530
	1/4/2006	7.2	460	NA	1.2	NA	NA	462
MW-5	1/19/2004	7.8	700	18	5.0	<1.0	630	700
	12/28/2004	8.0	720	22	4.0	<1.0	650	720
MW-6	1/19/2004	7.5	760	30	4.0	<1.0	700	760
	12/28/2004	7.5	770	40	3.0	<1.0	720	770
	1/4/2006	7.7	486	NA	1.8	NA	NA	488
MW-7	1/19/2004	7.0	610	68	1	<1.0	610	610
	12/29/2004	7.0	590	110	1.0	<1.0	630	590
	1/4/2006	7.1	647	NA	<1.0	NA	NA	647
MW-8	1/4/2006	7.0	444	NA	<1.0	NA	NA	444
MW-9	1/19/2004	7.4	300	13	1	<1.0	280	300
	12/29/2004	7.3	310	26	1.0	<1.0	300	310
	1/4/2006	7.8	276	NA	1.1	NA	NA	277
MW-10	1/19/2004	7.4	250	14	1.0	<1.0	230	250
	12/29/2004	7.4	240	20	1.0	<1.0	230	240
	1/3/2006	7.4	174	NA	<1.0	NA	NA	174
MW-11	1/20/2004	7.6	560	23	3	<1.0	520	560
	12/29/2004	7.5	240	20	1.0	<1.0	230	240
MW-12	1/20/2004	7.2	660	26	3	<1.0	610	660
	12/30/2004	7.0	570	57	1.0	<1.0	560	570
	1/5/2006	7.5	816	NA	1.8	NA	NA	818
MW-13	1/20/2004	7.2	250	9	1	<1.0	230	250
	12/30/2004	6.0	300	25	1.0	<1.0	290	300
	1/3/2006	7.3	212	NA	<1.0	NA	NA	212
MW-14	1/3/2006	7.3	297	NA	<1.0	NA	NA	298

TABLE 6.
SUMMARY OF GROUNDWATER CARBON DIOXIDE AND FORMS OF ALKALINITY
Thriftway Refinery, Bloomfield, New Mexico

Sample ID	Sample Date	pH	Bi-carbonate (mg/L as CaCO ₃)	Free Carbon Dioxide (mg/L as CaCO ₃)	Carbonate (mg/L as CaCO ₃)	Hydroxide (mg/L as CaCO ₃)	Total Carbon Dioxide (mg/L as CaCO ₃)	Alkalinity as CaCO ₃ (mg/L)
Sample Method		150.1	4500D	4500D	4500D	4500D	4500D	2320B
MW-15	1/20/2004	7.4	190	12	1	<1.0	180	190
	12/29/2004	7.3	170	18	<1.0	<1.0	170	170
	1/3/2006	7.6	131	NA	<1.0	NA	NA	131
MW-17	1/5/2006	7.0	478	NA	<1.0	NA	NA	478
MW-18	1/19/2004	7.5	1,100	46	5.0	<1.0	1,000	1100
	12/28/2004	7.8	990	34	6.0	<1.0	910	1000
	1/4/2006	7.6	<1.0	NA	<1.0	NA	NA	<1.0
MW-19	1/19/2004	7.1	830	76	2	<1.0	810	830
	12/28/2004	7.3	790	120	1.0	<1.0	820	790
	1/4/2006	7.4	<1.0	NA	<1.0	NA	NA	<1.0
MW-20	1/19/2004	7.2	900	94	2	<1.0	890	900
	12/29/2004	6.8	870	130	1	<1.0	900	870
	1/4/2006	7.0	679	NA	1	NA	NA	680
MW-21	1/20/2004	7.0	630	60	1	<1.0	610	630
	12/29/2004	7.1	610	84	1.0	<1.0	620	610
	1/4/2006	7.1	420	NA	1.0	NA	NA	421
MW-22	1/20/2004	6.9	440	67	1	<1.0	450	440
	12/29/2004	7.0	410	78	<1.0	<1.0	440	410
	1/4/2006	7.1	359	NA	<1.0	NA	NA	359
MW-24	1/5/2006	7.4	1060	NA	1.05	NA	NA	1060
MW-29	1/5/2006	7.1	NA	NA	NA	NA	NA	NA
RW-24	1/5/2006	NA	NA	NA	NA	NA	NA	NA
RW-25	1/5/2006	7.0	681	NA	1	NA	NA	682
RW-26	1/5/2006	7.2	715	NA	<1.0	NA	NA	716

Notes: < Analyte not detected above listed method limit
 NA Not analyzed
 NE Not established
 µg/L Micrograms per liter (ppb)
 mg/L Milligrams per liter (ppm)

FIGURES

REVISIONS	BY	DATE	DESCR.
DRAWN BY	NCW	CHECKED BY	03-13-06
BY	03-13-06	APPROVED BY	

LEGEND

 GROUNDWATER MONITORING WELL

NOTES

1. MISSING OR DESTROYED MONITORING WELLS NOT SHOWN;
2. SMALL STORAGE TANKS NOT SHOWN



SCALE

100 50 0 200

20

(1 INCH = 200 FEET)

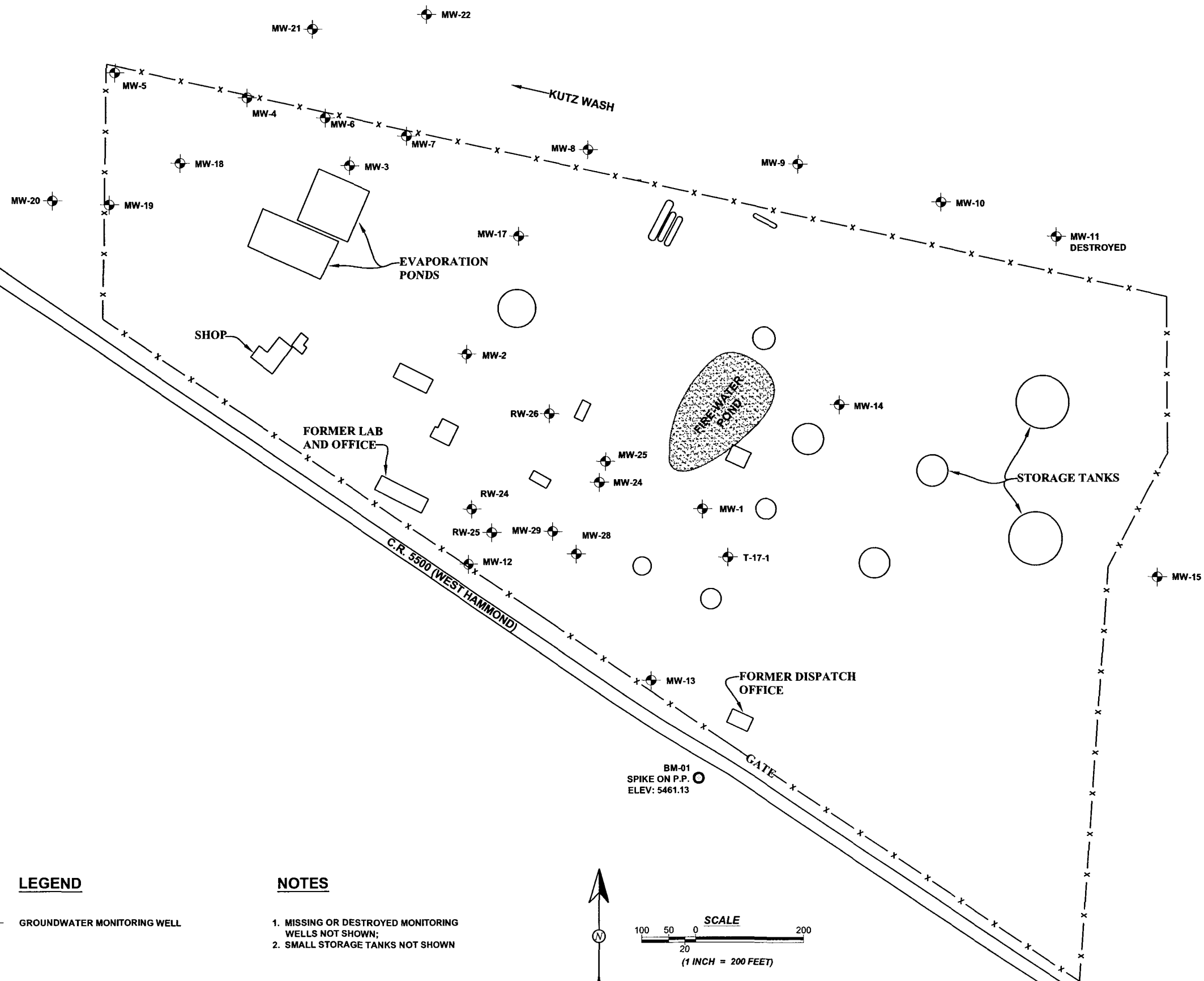
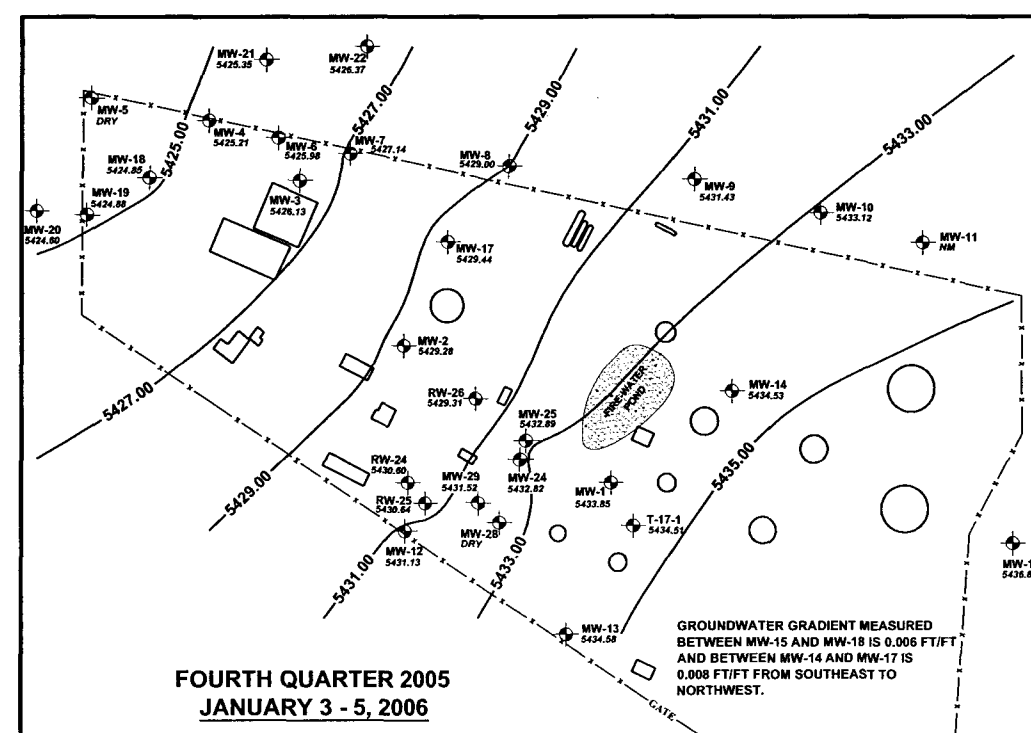
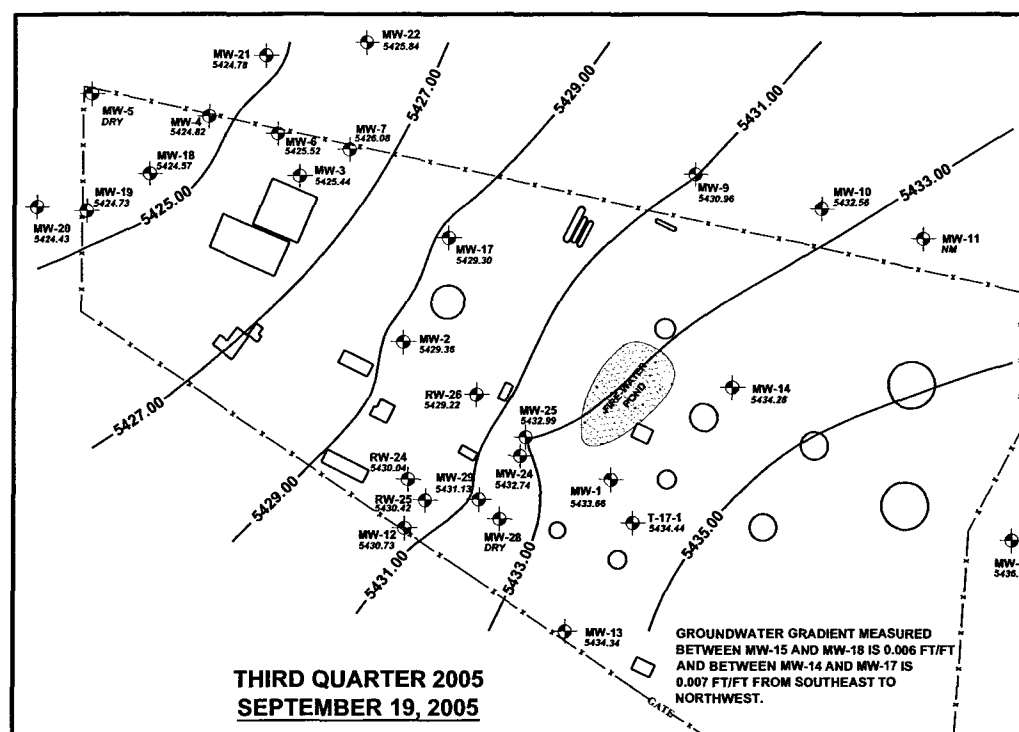
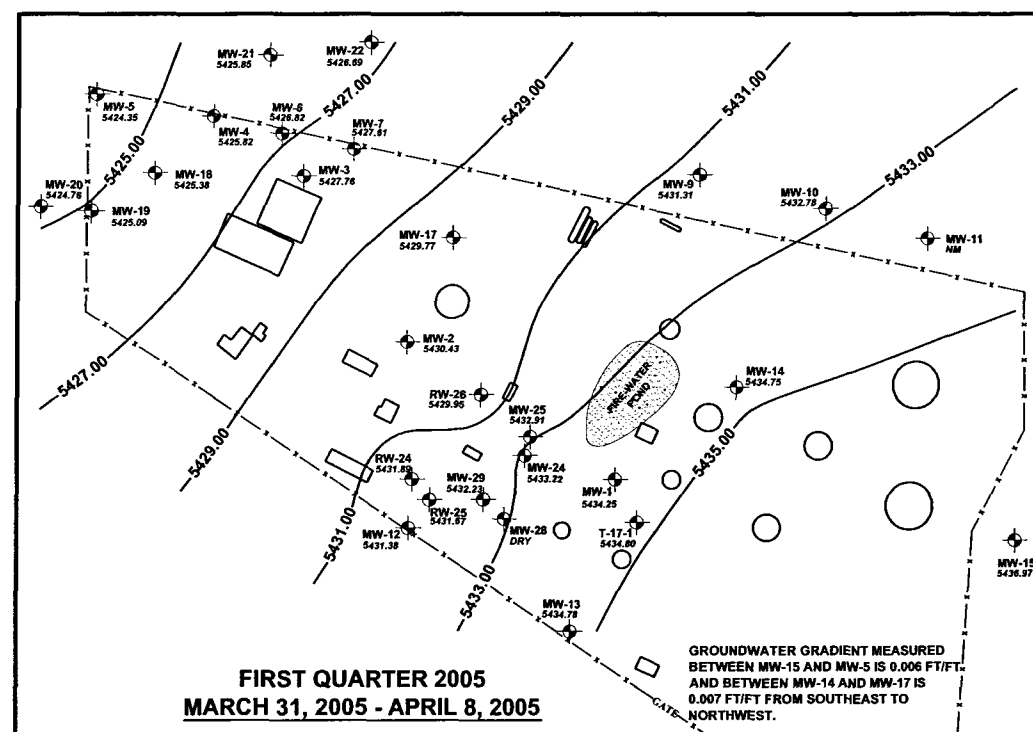


FIGURE 1
GENERAL SITE MAP
 THRIFTWAY REFINERY
 626 ROAD 5500
 BLOOMFIELD, NEW MEXICO



LEGEND

- GROUNDWATER MONITORING WELL
- 5425.21 GROUNDWATER ELEVATION IN FEET A.M.S.L.
- 5427.00 GROUNDWATER ELEVATION CONTOUR IN FEET A.M.S.L.
- NM WELL NOT MEASURED

NOTES

- MISSING OR DESTROYED MONITORING WELLS NOT SHOWN;
- SMALL STORAGE TANKS NOT SHOWN

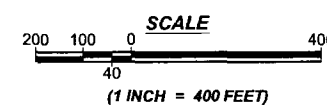
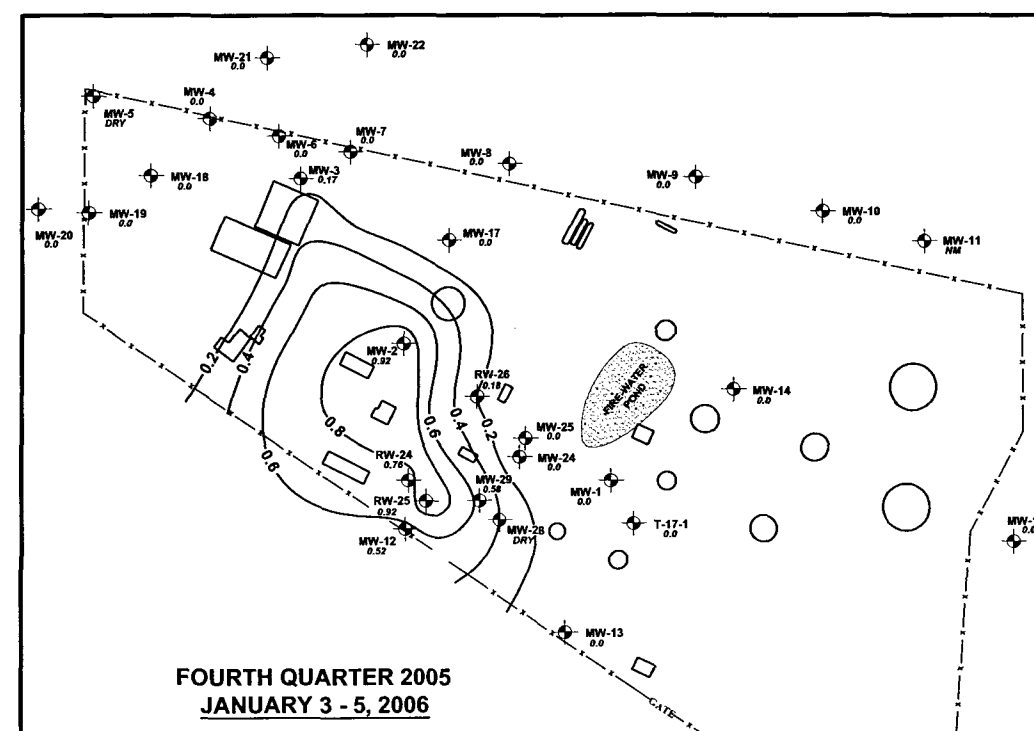
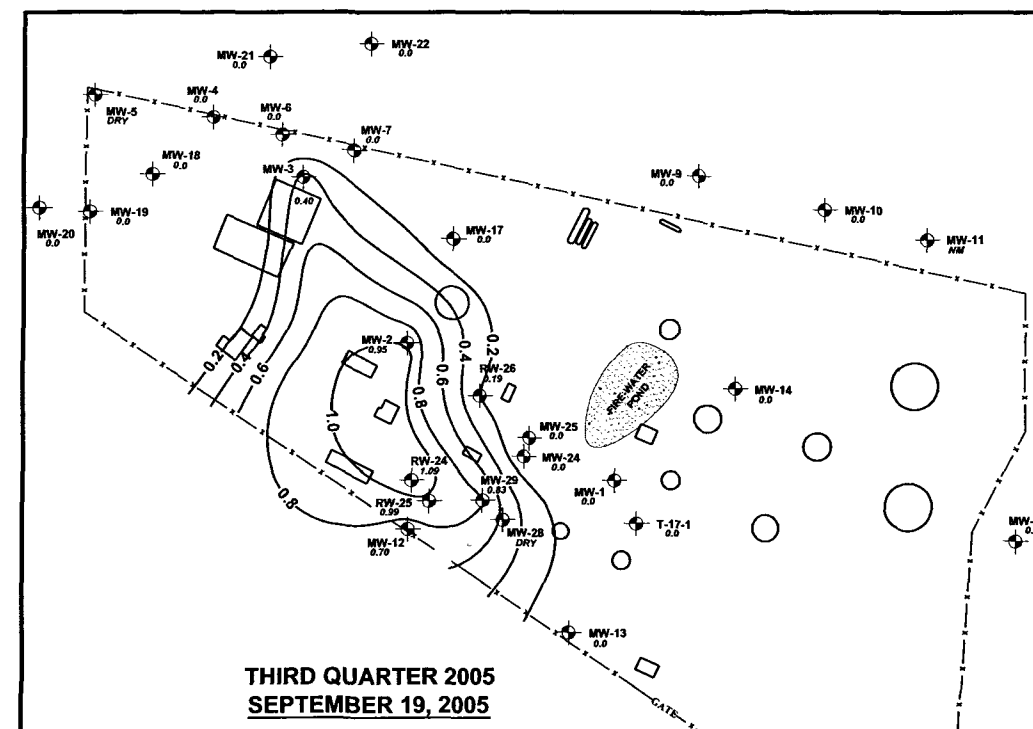
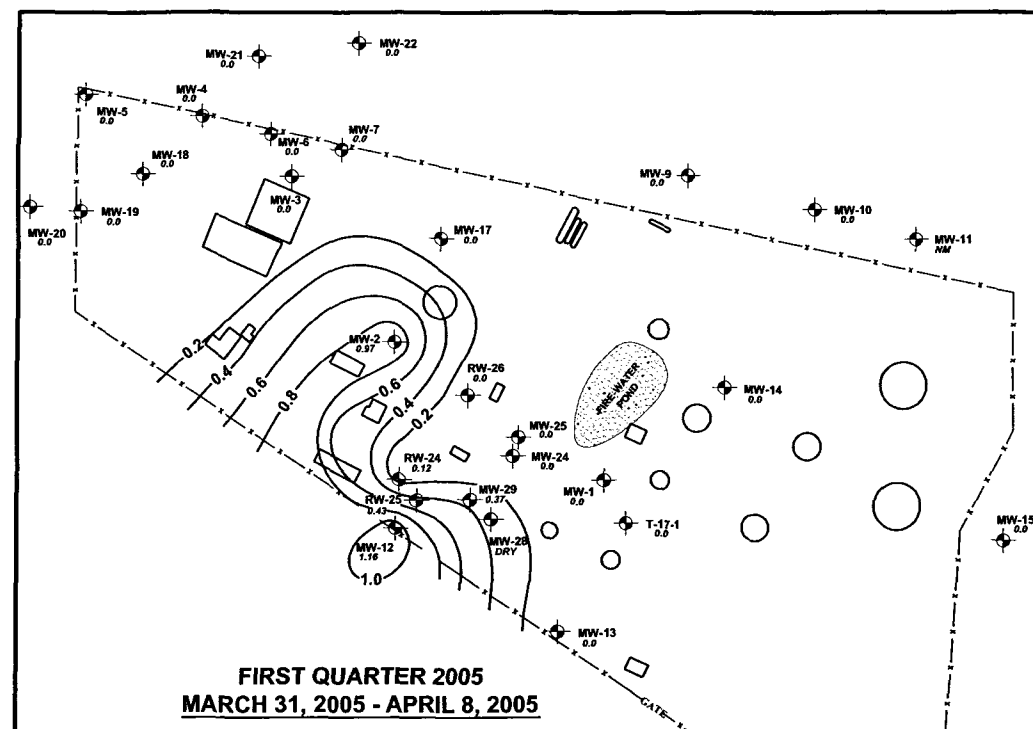


FIGURE 2
GROUNDWATER ELEVATION
MAP, 2005
THRIFTWAY REFINERY
626 ROAD 5500
BLOOMFIELD, NEW MEXICO

REVISIONS	BY	DATE	DESCR.
DRAWN BY	NCW	CHECKED BY	APPROVED BY
03-13-06			



LEGEND

- GROUNDWATER MONITORING WELL
- 1.05 FREE PRODUCT THICKNESS IN FEET
- 0.40 FREE PRODUCT THICKNESS CONTOUR IN FEET
- NM WELL NOT MEASURED

NOTES

MISSING OR DESTROYED MONITORING
WELLS NOT SHOWN;
SMALL STORAGE TANKS NOT SHOWN

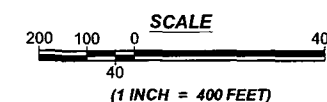
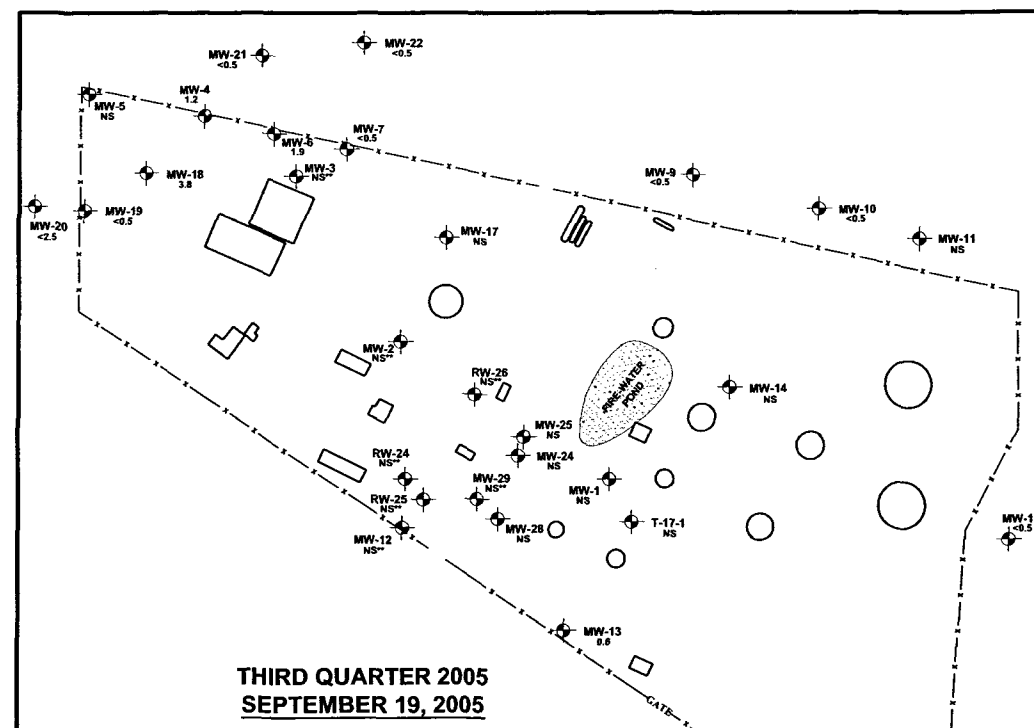


FIGURE 3
FREE PRODUCT
CONTOUR MAP 2005
THRIFTWAY REFINERY
626 ROAD 5500
BLOOMFIELD, NEW MEXICO

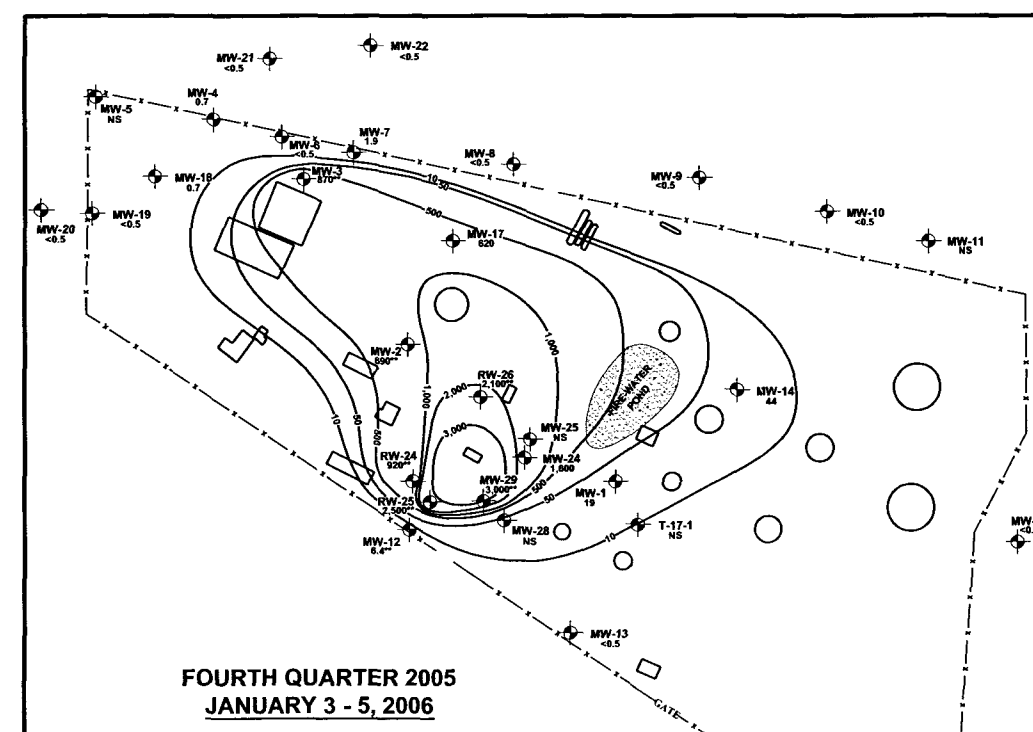


LEGEND

GROUNDWATER MONITORING WELL
 FREE PRODUCT IN WELL PRIOR TO SAMPLE COLLECTION
 BENZENE CONCENTRATION CONTOUR IN $\mu\text{g/L}$
 19 BENZENE CONCENTRATION IN WELL ($\mu\text{g/L}$)
 <0.5 BENZENE CONCENTRATION LESS THAN METHOD DETECTION
 NS NO SAMPLE COLLECTED

NOTES

MISSING OR DESTROYED MONITORING WELLS NOT SHOWN;
SMALL STORAGE TANKS NOT SHOWN



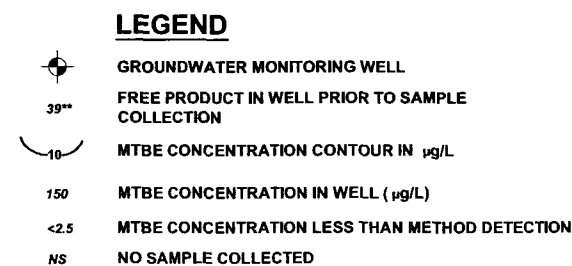
SCALE

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40

(1 INCH = 400 FEET)

**FIGURE 4
DISSOLVED BENZENE
CONCENTRATION
CONTOUR MAP 2005**
THRIFTWAY REFINERY
626 ROAD 5500
BLOOMFIELD, NEW MEXICO



**MISSING OR DESTROYED MONITORING
WELLS NOT SHOWN;
SMALL STORAGE TANKS NOT SHOWN**

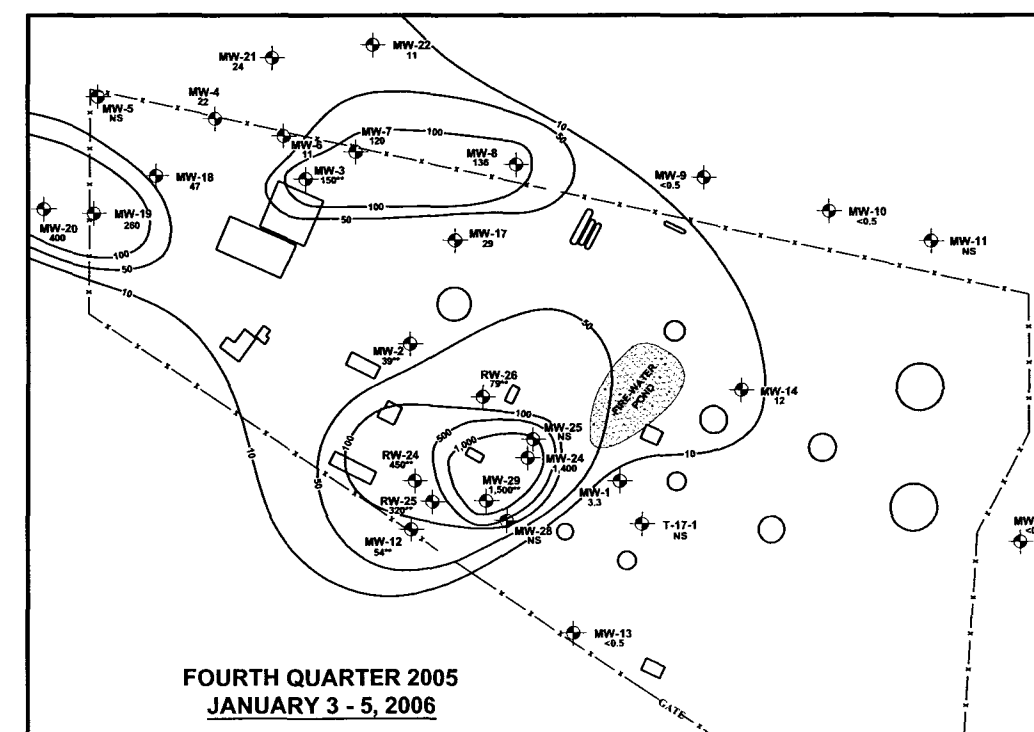
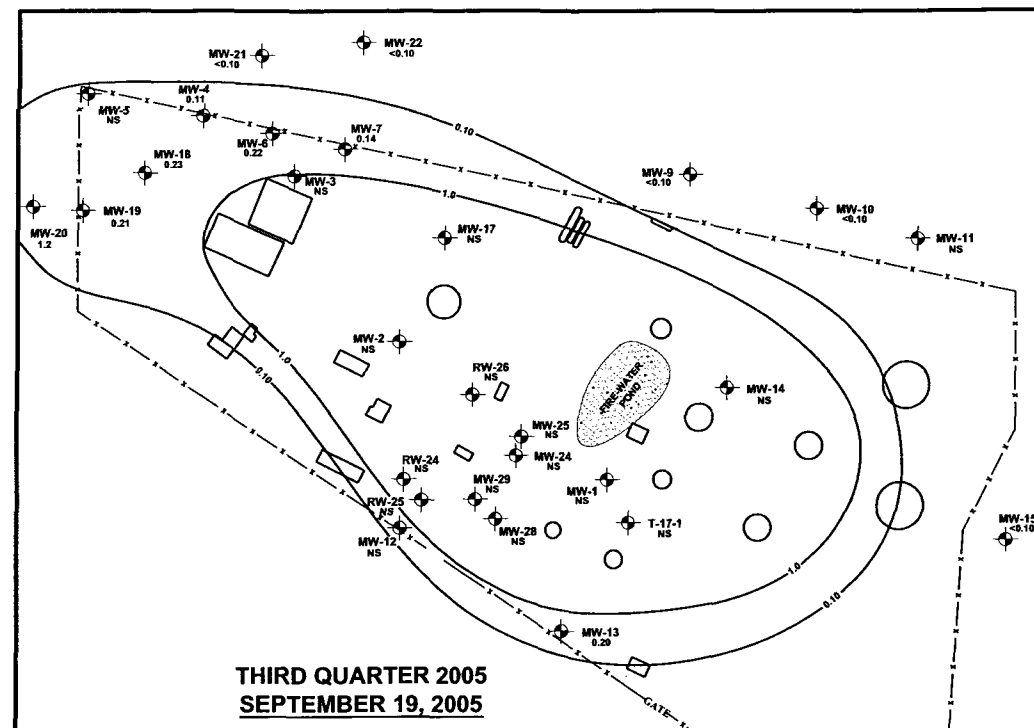
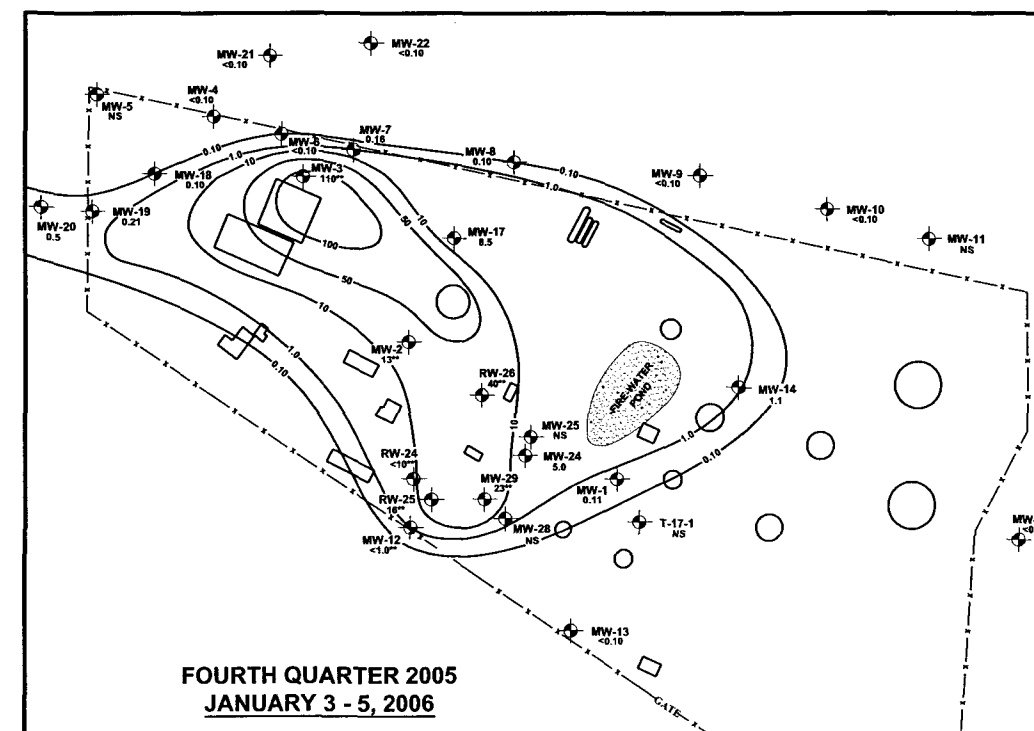


FIGURE 5
DISSOLVED MTBE
CONCENTRATION
CONTOUR MAP 2005
THRIFTWAY REFINERY
626 ROAD 5500
BLOOMFIELD, NEW MEXICO



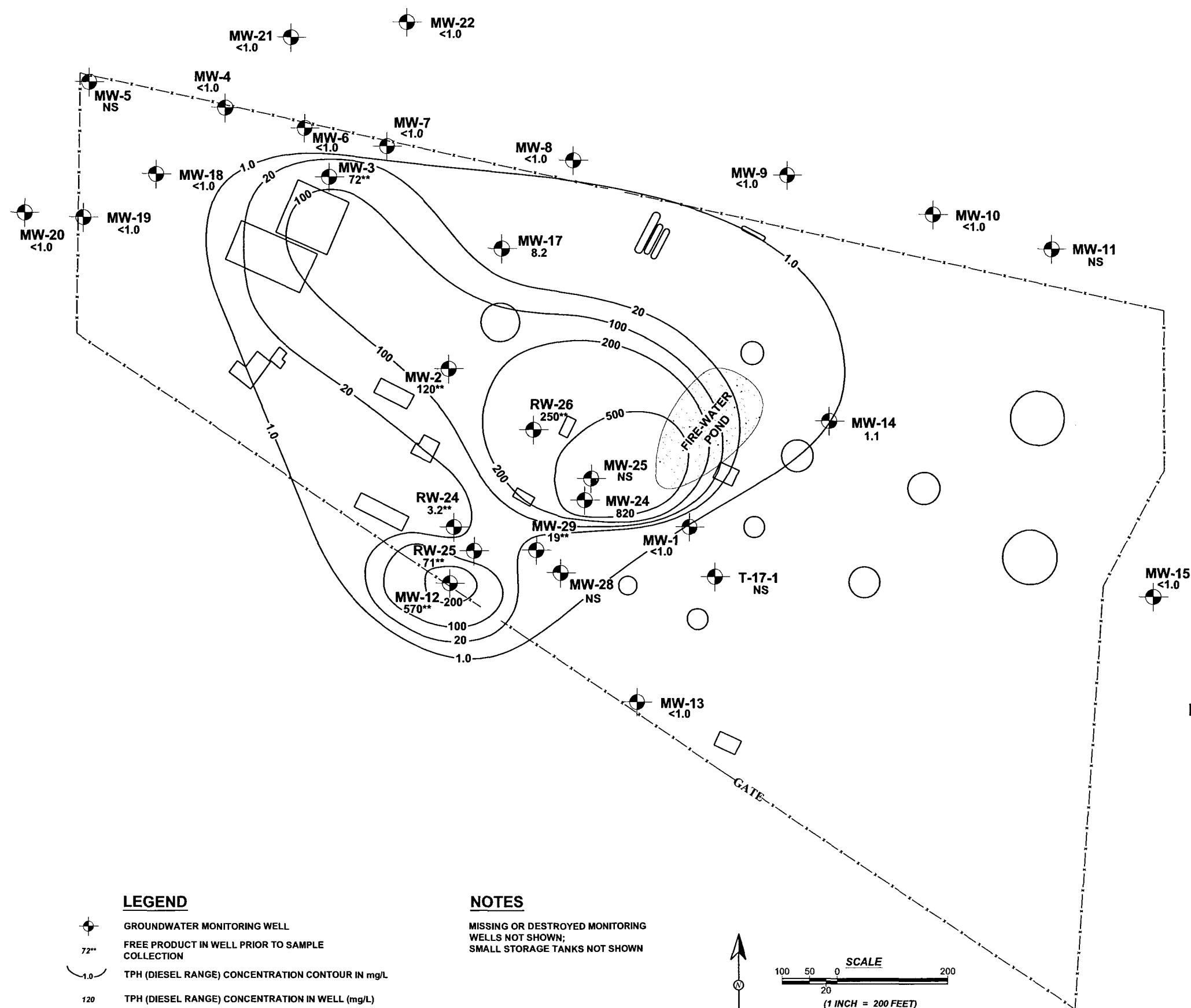
- LEGEND**
- GROUNDWATER MONITORING WELL
 - FREE PRODUCT IN WELL PRIOR TO SAMPLE COLLECTION
 - 0.10 TPH (GASOLINE RANGE) CONCENTRATION CONTOUR IN mg/L
 - 0.11 TPH (GASOLINE RANGE) CONCENTRATION IN WELL (mg/L)
 - <10 TPH (GASOLINE RANGE) CONCENTRATION LESS THAN METHOD DETECTION
 - NS NO SAMPLE COLLECTED

- NOTES**
- MISSING OR DESTROYED MONITORING WELLS NOT SHOWN;
 - SMALL STORAGE TANKS NOT SHOWN



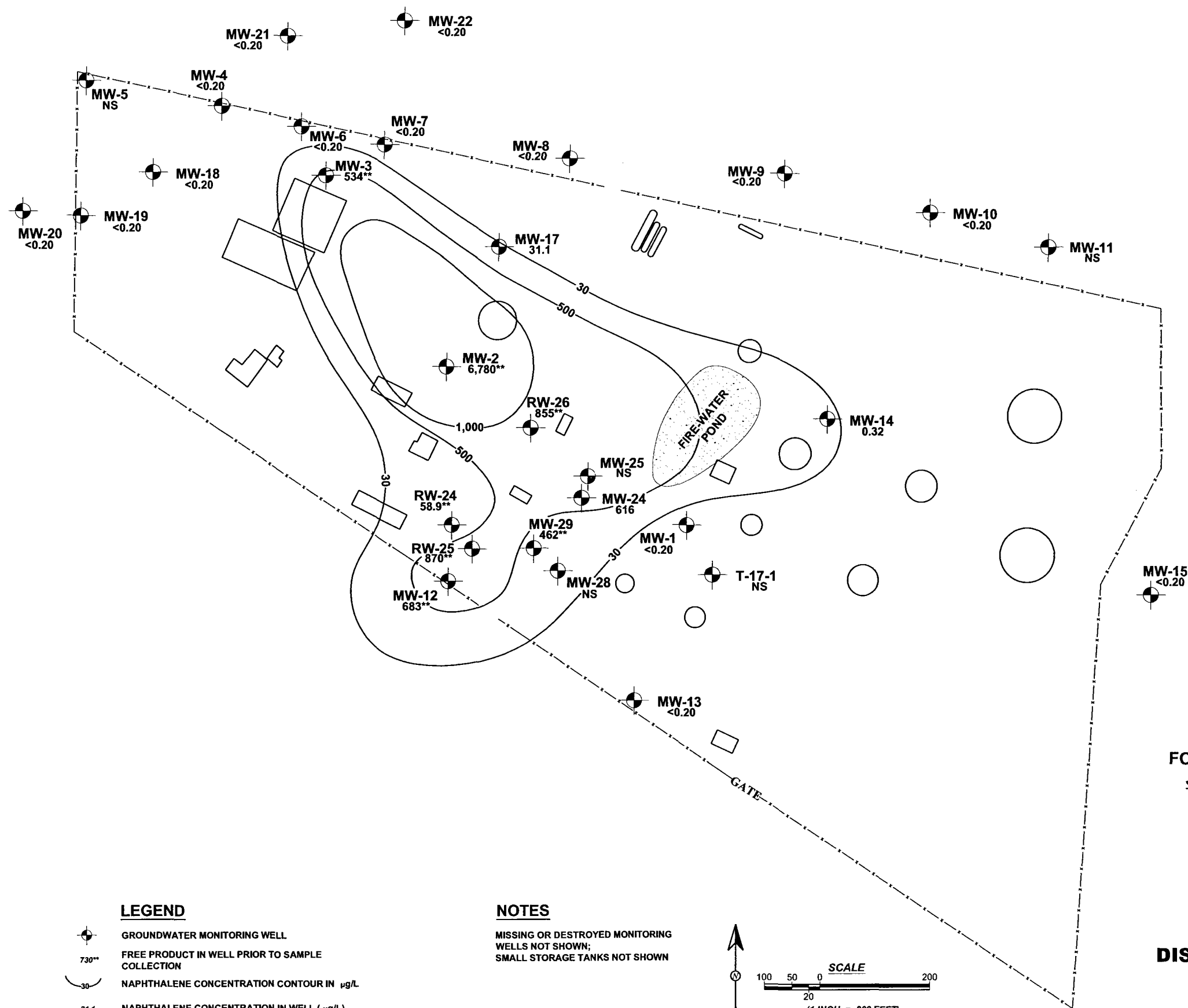
SCALE
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(1 INCH = 400 FEET)

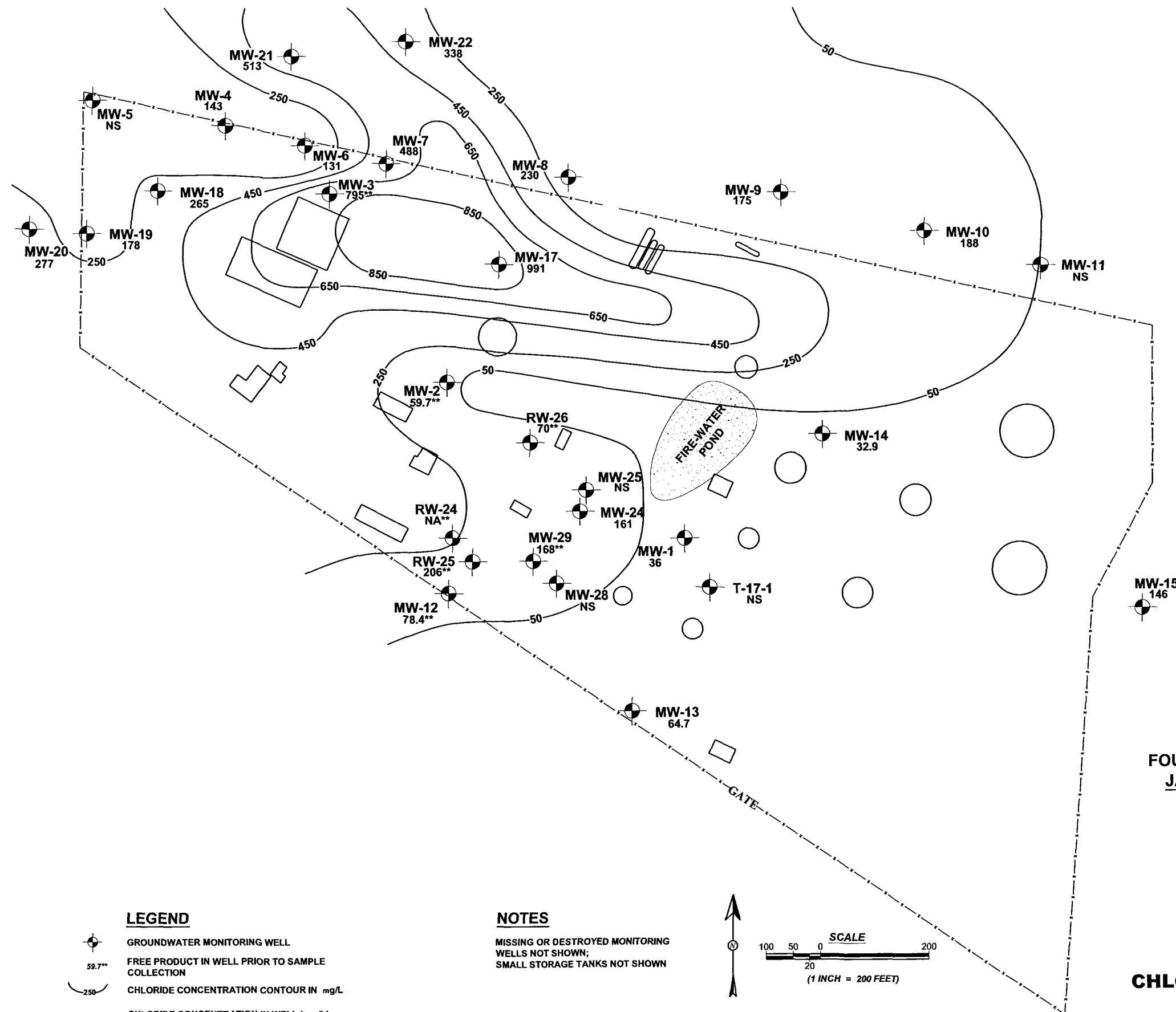
**FIGURE 6
DISSOLVED TPH (GRO)
CONCENTRATION
CONTOUR MAP 2005
THRIFTWAY REFINERY
626 ROAD 5500
BLOOMFIELD, NEW MEXICO**



FOURTH QUARTER 2005
JANUARY 3 - 5, 2006

REVISIONS	BY	DATE	DESCR.
DRAWN BY	NCW	CHECKED BY	APPROVED BY
03-27-06			



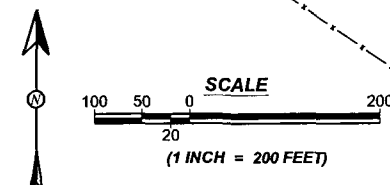


LEGEND

- GROUNDWATER MONITORING WELL
- FREE PRODUCT IN WELL PRIOR TO SAMPLE COLLECTION
- CHLORIDE CONCENTRATION CONTOUR IN mg/L
- CHLORIDE CONCENTRATION IN WELL (mg/L)
- NO SAMPLE COLLECTED
- NOT ANALYZED

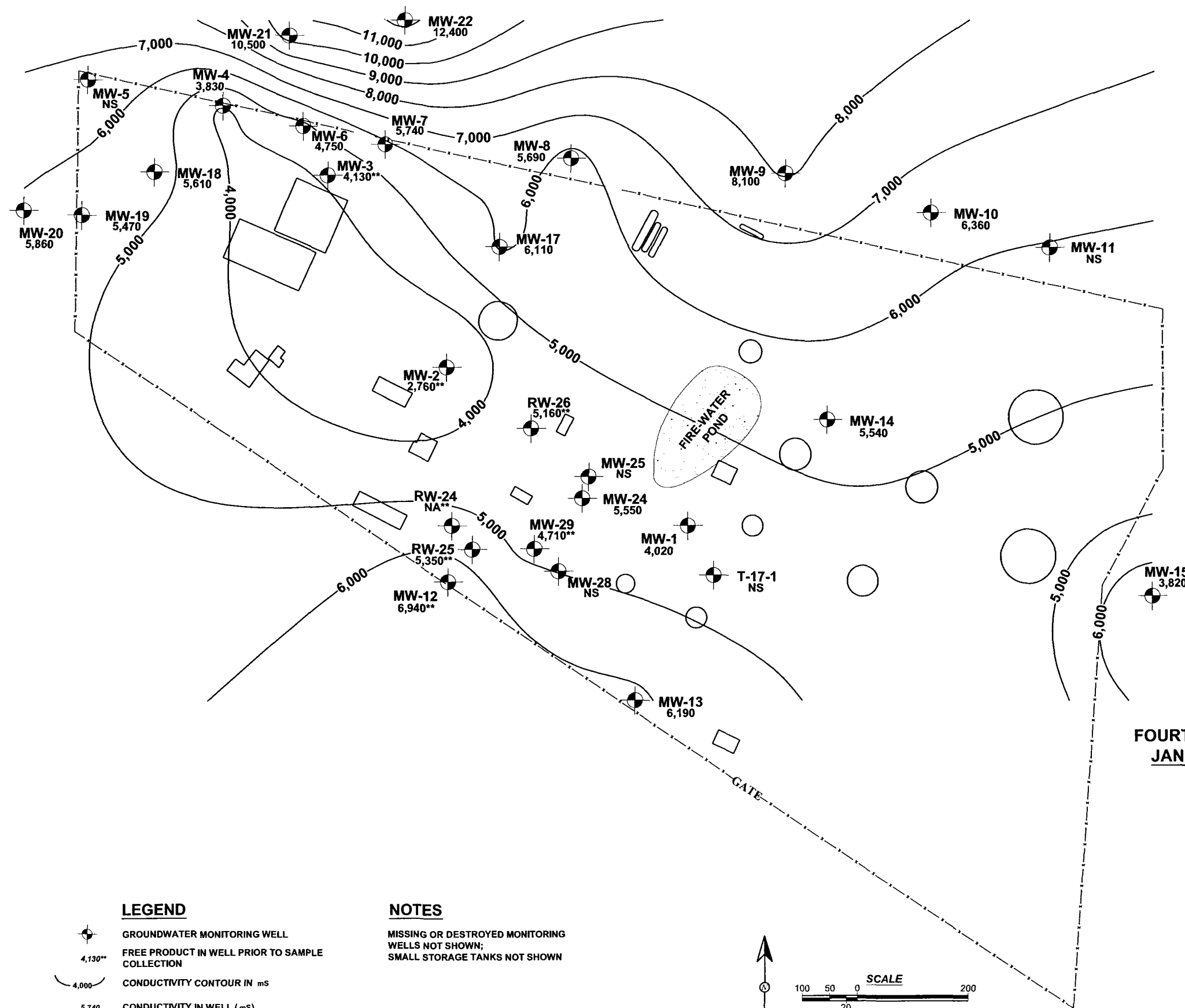
NOTES

- MISSING OR DESTROYED MONITORING WELLS NOT SHOWN;
- SMALL STORAGE TANKS NOT SHOWN

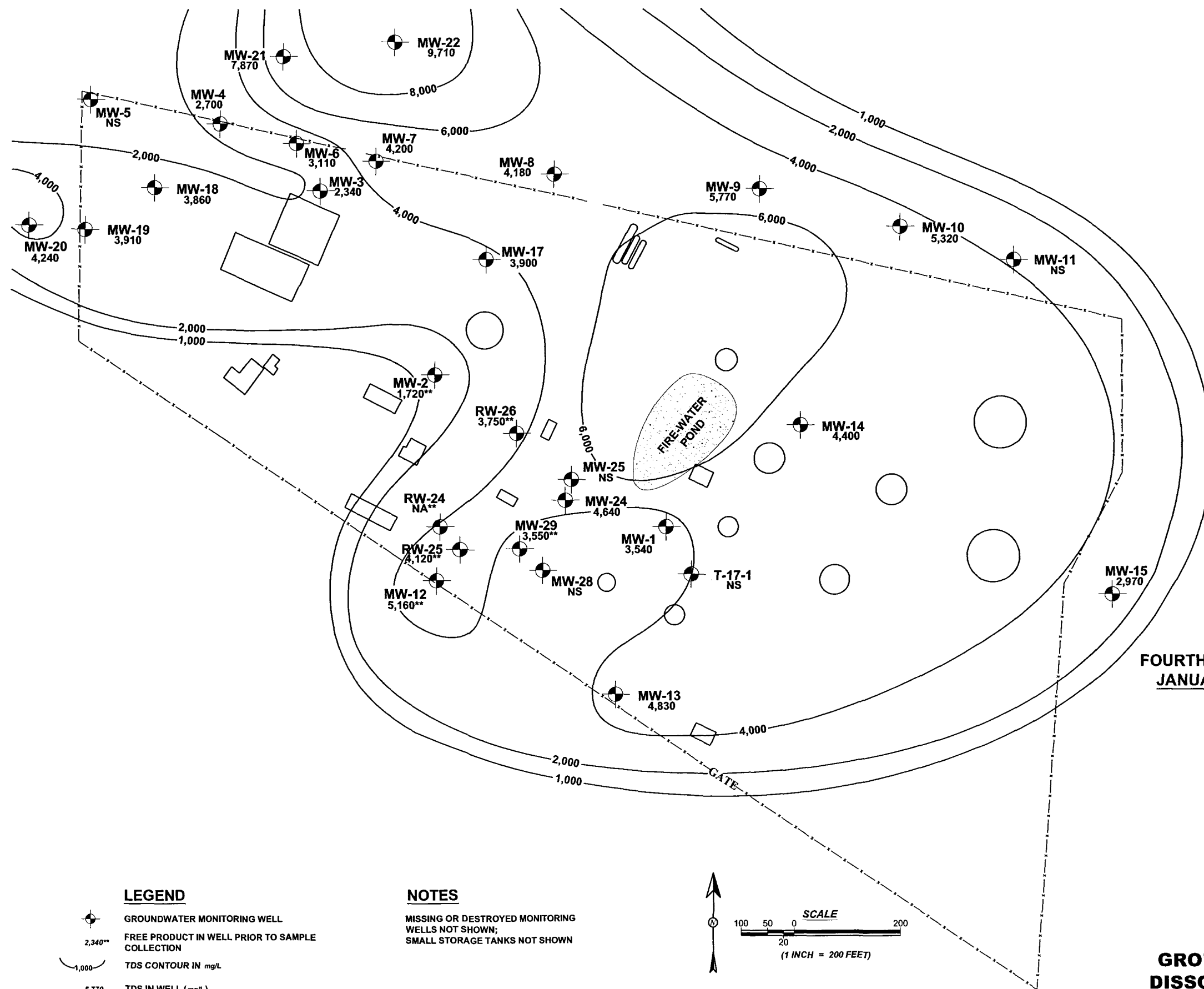


FOURTH QUARTER 2005
JANUARY 3 - 5, 2006

FIGURE 9
CHLORIDE IN GROUNDWATER
2005
THRIFTWAY REFINERY
626 ROAD 5500
BLOOMFIELD, NEW MEXICO



**FIGURE 10
GROUNDWATER
CONDUCTIVITY
2005**
THRIFTWAY REFINERY
626 ROAD 5500
BLOOMFIELD, NEW MEXICO

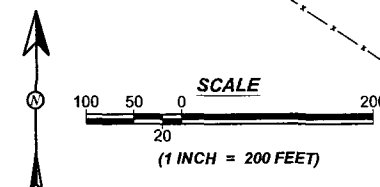


LEGEND

GROUNDWATER MONITORING WELL
 FREE PRODUCT IN WELL PRIOR TO SAMPLE COLLECTION
 TDS CONTOUR IN mg/L
 TDS IN WELL (mg/L)
 NS NO SAMPLE COLLECTED
 NA NOT ANALYZED

NOTES

MISSING OR DESTROYED MONITORING WELLS NOT SHOWN;
 SMALL STORAGE TANKS NOT SHOWN



FOURTH QUARTER 2005
JANUARY 3 - 5, 2006

FIGURE 11
GROUNDWATER TOTAL
DISSOLVED SOLIDS 2005
 THRIFTWAY REFINERY
 626 ROAD 5500
 BLOOMFIELD, NEW MEXICO

APPENDIX A

Water Sampling Record**Animas Environmental Services**Monitor Well No: **MW-13**

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: Quarterly Monitoring and Sampling

Project No.: 810

Site: Thriftway Refinery (#810)

Date: 1-3-06

Location: 626 County Road 5500

Time: 1240

Sampler: M. Beauparlant

Weather:

Sampling Method: Purge - Disposable Bailer

Air Temperature:

Depth of Well (ft): 24.5

Well Diam. (in.):

Depth to Water (ft): 17.54

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1244 1240	16.6	3.737	0.38	7.4	142	0.5	
1248	15.8	3.854	0.58	7.4	150	1.5	
1300	17.9	4.309	0.34	7.4	149	3.0	

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO₄, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling: Keck Water and Product Level; YSI Water Quality Meter;
and New Disposable Bailer

Other Notes/Comments

Water Sampling Record**Animas Environmental Services**Monitor Well No: **MW-14**

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: Quarterly Monitoring and Sampling

Project No.: 810

Site: Thriftway Refinery (#810)

Date: 1-3-06

Location: 626 County Road 5500

Time: 1314

Sampler: M. Beauparlant

Weather:

Sampling Method: Purge - Disposable Bailer

Air Temperature:

Depth of Well (ft): 21.5'

Well Diam. (in.):

Depth to Water (ft): 12.40

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1320	16.2	3.385	0.60	7.3	170	0.5	
1324	16.0	3.399	0.68	7.3	69	1.5	
1334	18.0	3.853	0.58	7.5	184	3.0	

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO₄, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling: Keck Water and Product Level; YSI Water Quality Meter;
and New Disposable Bailer

Other Notes/Comments

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 810

Date: 1-3-6

Time: 1416

Weather:

Air Temperature:

Well Diam. (in.):

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Project: Quarterly Monitoring and Sampling

Project No.: 8110

Date: 3-1-06

Time: 1518

Weather:

Air Temperature:

Well Diam. (in.):

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
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Other Notes/Comments

Water Sampling Record**Animas Environmental Services**Monitor Well No: MW*8

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: Quarterly Monitoring and SamplingProject No.: 810Site: Thriftway Refinery (#810)Date: 1-4-06Location: 626 County Road 5500Time: 1020Sampler: M. Beauparlant

Weather: _____

Sampling Method: Purge - Disposable Bailer

Air Temperature: _____

Depth of Well (ft): 15'

Well Diam. (in.): _____

Depth to Water (ft): 4.04'

Site Elevation (ft): _____

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1025	10.3	3.217	0.59	6.9	3150	0.5	
1033	11.6	3.240	0.55	6.9	3151	1.5	
1039	13.4	3.377	0.62	6.8	50	3.0	

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)Disposal of Purged Water: To air stripperChain of Custody Record Complete? (Y/N) YesAnalytical Laboratory: Pinnacle Laboratories, Albuquerque, NMEquipment Used During Sampling: Keck Water and Product Level; YSI Water Quality Meter;and New Disposable BailerOther Notes/Comments RECENTLY DISCOVERED MWDIS. METALS TO BE FILTERED @ 603

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 810

Date: 1-4-06

Time: 1347

Weather:

Air Temperature:

Well Diam. (in.): 2

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Project: Quarterly Monitoring and Sampling

Project No.: 810

Date: 1-4-06

Time: 1056

Sampler: M. Beauparlant

Weather:

Sampling Method: Purge - Disposable Bailer

Air Temperature:

Depth of Well (ft): 11.05'

Well Diam. (in.): 2"

Depth to Water (ft): 4.38'

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
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Other Notes/Comments

Animas Environmental Services

Monitor Well No: MW-4

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: Quarterly Monitoring and Sampling

Project No.: 810

Site: Thriftway Refinery (#810)

Date: 1-4-06

Location: 626 County Road 5500

Time: 1432

Sampler: M. Beauparlant

Weather:

Sampling Method: Purge - Disposable Bailer

Air Temperature:

Depth of Well (ft): 10

Well Diam. (in.): 2'

Depth to Water (ft): 4.91

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 810
Date: 1-4-06
Time: 1202
Weather:
Temperature:
H Diam. (in.):
Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #):	BTEX and MTBE (8021); GRO DRO (8015);
	PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)
	pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 810

Date: 1-4-62

Time: 1515

Weather:

Air Temperature:

Well Diam. (in.):

Site Elevation (ft):

[illegible]

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO₄, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Wait For MW2 To Recharge

Water Sampling Record Animas Environmental Services

Monitor Well No: MW-18

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: Quarterly Monitoring and Sampling

Project No.: 810

Site: Thriftway Refinery (#810)

Date: 1-4-06

Location: 626 County Road 5500

Time: 1533

Sampler: M. Beauparlant

Weather:

Sampling Method: Purge - Disposable Bailer

Air Temperature:

Depth of Well (ft): 13.5'

Well Diam. (in.):

Depth to Water (ft): 4.10'

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 810

Date: 1-5-06

Time: 0905

Weather:

Air Temperature:

Well Diam. (in.):

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Recommended P & A

Not Enough Water (shallow well) To Sample

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Project:	Quarterly Monitoring and Sampling
Site:	Thriftway Refinery (#810)
Location:	626 County Road 5500
Sampler:	M. Beauparlant
Sampling Method:	Purge - Disposable Bailor
Depth of Well (ft):	16.0
Depth to Water (ft):	15.85

Date: 1-5-6

Time: 0942

Weather:

Air Temperature:

Well Diam. (in.):

Site Elevation (ft):

[illegible]

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

NS - .85'

Monitor Well No: MW-12

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 810

Date: 1-5-126

Time: 1038

Weather:

Air Temperature:

Well Diam. (in.):

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N)	Yes
--	-----

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Low Volume Mus

FD 14.06 $\rightarrow$ 14.58

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 8157

Date: 1-5-06

Time: 1107

Weather:

Air Temperature:

Well Diam. (in.): 2 1/2

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO₄, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

$$FP = AG = 16.45 \rightarrow \text{ow } 17.37$$

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 810

Date: 1-5-6

Time: 140

Weather:

Air Temperature:

Well Diam. (in.): 2

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

FP: 40-15.82 → CW 16.58

Animas Environmental Services

Monitor Well No: MW-28

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: Quarterly Monitoring and Sampling

Project No.: 510

Site: Thriftway Refinery (#810)

Date: 1-5-80

Location: 626 County Road 5500

Time: 0951

Sampler: M. Beauparlant

Weather:

Sampling Method: Purge - Disposable Bailer

Air Temperature:

Depth of Well (ft): 16.0

Well Diam. (in.):

Depth to Water (ft): 10.0
DEY

Site Elevation (ft): _____

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Project: Quarterly Monitoring and Sampling

Project No.: 810

Date: 1-5-6

Time: 1:20

Weather:

Sampling Method: Purge - Disposable Bailer

Air Temperature:

Depth of Well (ft): 20.5

Well Diam. (in.):

Depth to Water (ft): ~~15.9~~ AD-15.42

Site Elevation (ft):

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO₄, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N)	Yes
--	-----

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

NO PORE: LACK OF WATER VOL.

$$-FP = 15.42' - 16.00'$$

Diss. Metals To Be Filtered @ 143

Animas Environmental Services

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 812

Date: 1-5-06

Time: 1318

Weather:

Air Temperature:

Well Diam. (in.): 4'

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

$FD = 90\ 14.36' \rightarrow 14.54'$

Water Sampling Record**Animas Environmental Services**Monitor Well No: **MW-2**

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: Quarterly Monitoring and Sampling

Project No.: 810

Site: Thriftway Refinery (#810)

Date: 1-5-06

Location: 626 County Road 5500

Time: 1316

Sampler: M. Beauparlant

Weather:

Sampling Method: Purge - Disposable Bailer

Air Temperature:

Depth of Well (ft): 19.0'Well Diam. (in.): 2"Depth to Water (ft): AO-11.78' OW-12.70'

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1328	16.1	2.414	0.25	7.2	205	0.5	
1331	15.7	2.273	0.40	7.2	208	1.5	
1335	15.0	2.238	0.50	7.2	172	3.0	

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling: Keck Water and Product Level; YSI Water Quality Meter;
and New Disposable Bailer

Other Notes/Comments

FP= AO-11.78' → OW 12.70'

Animas Environmental Services

Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 810

Date: 1-5-06

Time: 1410

Weather:

Air Temperature:

Well Diam. (in.):

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Diss Metals To Be Filtered @ WAB

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project No.: 810
Date: 1-5-06
Time: 1431
Weather:
Temperature:
H Diam. (in.):
Elevation (ft):

FP: 5.01 → 5.18

Water Sampling Record Animas Environmental Services

Monitor Well No: Air Stripper Effluent

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: Quarterly Monitoring and Sampling

Project No.: 810

Site: Thriftway Refinery (#810)

Date: 1-5-6

Location: 626 County Road 5500

Time: 1505

Sampler: M. Beauparlant

Weather:

Sampling Method: Purge - Disposable Bailer

Air Temperature:

Depth of Well (ft):

Well Diam. (in.):

Depth to Water (ft):

Site Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #): BTEX and MTBE (8021); GRO DRO (8015);

PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)

pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

Water Sampling Record
Monitor Well No: Air Stripper Influent

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project:	Quarterly Monitoring and Sampling
Site:	Thriftway Refinery (#810)
Location:	626 County Road 5500
Sampler:	M. Beauparlant
Sampling Method:	Purge - Disposable Bailer
Depth of Well (ft):	
Depth to Water (ft):	

Project No.: 810
Date: 1-5-06
Time: 1526
Weather:
Temperature:
H Diam. (in.):
Elevation (ft):

[illegible]

Analytical Parameters Sampled For (include Method #):	BTEX and MTBE (8021); GRO DRO (8015);
	PAHs (8270); Total RCRA Metals and Hardness (6010) Dissolved Metals: Ca, Mg, K, Na (6010)
	pH, E.c., TDS, Cl, SO4, Br, F, Alk, Bicarb, Carb, OH (various methods per OCD)

Disposal of Purged Water: To air stripper

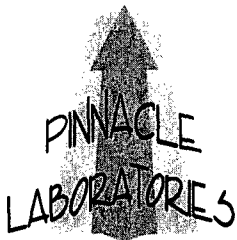
Chain of Custody Record Complete? (Y/N) Yes

Analytical Laboratory: Pinnacle Laboratories, Albuquerque, NM

Equipment Used During Sampling:	Keck Water and Product Level; YSI Water Quality Meter; and New Disposable Bailer
--	---

Other Notes/Comments

APPENDIX B



file: 810 Refinery - original
2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

Pinnacle Lab ID number **504070**
April 22, 2005

BIOTECH REMEDIATION
501 AIRPORT DRIVE SUITE 104
FARMINGTON, NM 87401

ANIMAS ENVIRONMENTAL
624 E. COMANCHE
FARMINGTON, NM 87401

Project Name T-WAY REFINERY
Project Number # 810

Attention: TERRY GRIFFIN / ROSS KENNEMER

On 04/12/2005 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

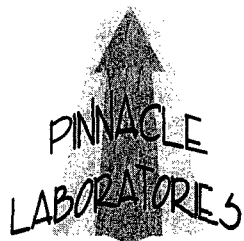
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

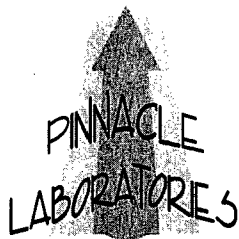
Enclosure



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

CLIENT	: BIOTECH REMEDIATION	PINNACLE ID	: 504070
PROJECT #	: # 810	DATE RECEIVED	: 04/12/2005
PROJECT NAME	: T-WAY REFINERY	REPORT DATE	: 04/22/2005

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
504070 - 01	AIR STRIPPER INFLUENT	AQUEOUS	04/08/2005
504070 - 02	AIR STRIPPER EFLUENT	AQUEOUS	04/08/2005



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Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
CLIENT : BIOTECH REMEDIATION
PROJECT # : # 810
PROJECT NAME : T-WAY REFINERY

PINNACLE I.D. : 504070
ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	AIR STRIPPER INFLUENT	AQUEOUS	04/08/2005	NA	04/14/2005	10
02	AIR STRIPPER EFLUENT	AQUEOUS	04/08/2005	NA	04/14/2005	1

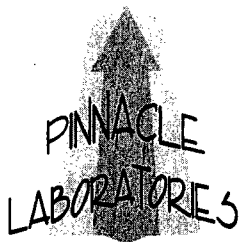
PARAMETER	DET. LIMIT	UNITS	AIR STRIPPER INFLUENT	AIR STRIPPER EFLUENT
FUEL HYDROCARBONS	0.10	MG/L	37	0.25
HYDROCARBON RANGE			C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE

BENZENE	0.5	UG/L	2800 - D100	4.9
TOLUENE	0.5	UG/L	11000 - D100	30
ETHYLBENZENE	0.5	UG/L	1700 - D100	8.3
TOTAL XYLENES	1.0	UG/L	5100 - D100	36
METHYL-t-BUTYL ETHER	2.5	UG/L	< 25	2.5

SURROGATE:				
BROMOFLUOROBENZENE (%)			86	97
SURROGATE LIMITS	(80 - 120)			

CHEMIST NOTES:

D100 = Reported from a 100X dilution run on 04-14-05.



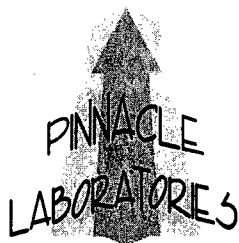
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Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 504070
BLANK I.D.	: 041305	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 04/13/2005
PROJECT #	: # 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: T-WAY REFINERY	ANALYST	: BP

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<1.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		101
SURROGATE LIMITS	(80 - 120)	

CHEMIST NOTES:
N/A



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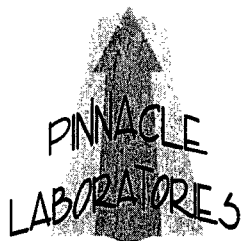
GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B	PINNACLE I.D.	: 504070
BLANK I.D.	: 041405	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 04/14/2005
PROJECT #	: # 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: T-WAY REFINERY	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<1.0
METHYL-t-BUTYL ETHER	UG/L	<2.5

SURROGATE:
BROMOFLUOROBENZENE (%) 95
SURROGATE LIMITS (80 - 120)

CHEMIST NOTES:
N/A



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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

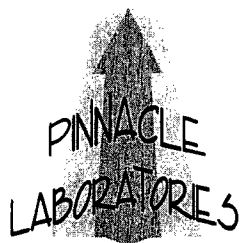
TEST	: EPA 8015B GRO	PINNACLE I.D.	:	504070
BATCH #	: 041305	DATE EXTRACTED	:	N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	:	04/13/2005
PROJECT #	: # 810	SAMPLE MATRIX	:	AQUEOUS
PROJECT NAME	: T-WAY REFINERY	UNITS	:	MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	0.969	97	0.896	90	8	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING		GASOLINE							

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

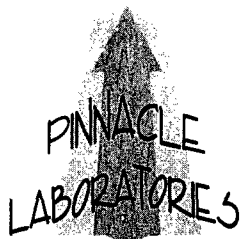
TEST	: EPA 8021B	PINNACLE I.D.	: 504070
BATCH #	: 041305	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 04/13/2005
PROJECT #	: # 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: T-WAY REFINERY	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	20.6	103	21.2	106	3	(80 - 120)	20
TOLUENE	<0.5	20.0	20.6	103	21.3	107	3	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.3	102	21.0	105	3	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	60.9	102	63.1	105	4	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	18.1	91	19.1	96	5	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST : EPA 8021B
BATCH # : 041405
CLIENT : BIOTECH REMEDIATION
PROJECT # : # 810
PROJECT NAME : T-WAY REFINERY

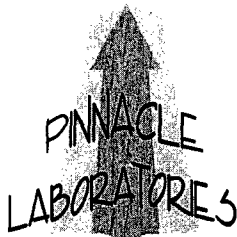
PINNACLE I.D. : 504070
DATE EXTRACTED : N/A
DATE ANALYZED : 04/14/2005
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	21.8	109	20.7	104	5	(80 - 120)	20
TOLUENE	<0.5	20.0	21.9	110	21.1	106	4	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	21.4	107	20.4	102	5	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	64.4	107	61.3	102	5	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	18.2	91	17.0	85	7	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST : EPA 8015B GRO
MSMSD # : 504069-01
CLIENT : BIOTECH REMEDIATION
PROJECT # : # 810
PROJECT NAME : T-WAY REFINERY

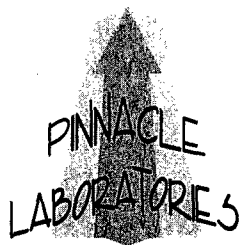
PINNACLE I.D. : 504070
DATE EXTRACTED : N/A
DATE ANALYZED : 04/14/2005
SAMPLE MATRIX : AQUEOUS
UNITS : MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	0.924	92	0.954	95	3	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST : EPA 8021B
MSMSD # : 504069-01
CLIENT : BIOTECH REMEDIATION
PROJECT # : # 810
PROJECT NAME : T-WAY REFINERY

PINNACLE I.D. : 504070
DATE EXTRACTED : N/A
DATE ANALYZED : 04/14/2005
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	21.1	106	21.0	105	0	(80 - 120)	20
TOLUENE	<0.5	20.0	21.3	107	21.0	105	1	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.6	103	20.4	102	1	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	61.8	103	61.4	102	1	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	18.4	92	18.8	94	2	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PLEASE FILL THIS FORM IN COMPLETELY.

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

July, 2003 PLI Inc., Pinnacle Laboratories, Inc. • 2709-D Pan American Freeway, NE • Albuquerque, New Mexico 87107 • Fax (505) 344-3777 • E-mail: PINLAB@ATT.NET

Pinnacle Lab ID number 505208
June 02, 2005

BIOTECH REMEDIATION
501 AIRPORT DRIVE SUITE 104
FARMINGTON, NM 87401

Project Name AIRSTRIPPER
Project Number 810

Attention: TERRY GRIFFIN

On 05/25/2005 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

CLIENT	: BIOTECH REMEDIATION	PINNACLE ID	: 505208
PROJECT #	: 810	DATE RECEIVED	: 05/25/2005
PROJECT NAME	: AIRSTRIPPER	REPORT DATE	: 06/02/2005

PINNACLE	ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
	505208 - 01	AS/INFLUENT	AQUEOUS	05/20/2005
	505208 - 02	AS/EFLUENT	AQUEOUS	05/20/2005

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : BIOTECH REMEDIATION
 PROJECT # : 810
 PROJECT NAME : AIRSTRIPPER

PINNACLE I.D. : 505208
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	AS/INFLUENT	AQUEOUS	05/20/2005	NA	05/31/2005	10
02	AS/EFLUENT	AQUEOUS	05/20/2005	NA	05/31/2005	1

PARAMETER	DET. LIMIT	UNITS	AS/INFLUENT	AS/EFLUENT
FUEL HYDROCARBONS	0.10	MG/L	6.9	< 0.10
HYDROCARBON RANGE			C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE

1,2-DICHLOROBENZENE	0.5	UG/L	360	0.6
TOLUENE	0.5	UG/L	1200	2.0
ETHYLBENZENE	0.5	UG/L	300	0.5
TOTAL XYLENES	1.0	UG/L	790	2.7
METHYL-t-BUTYL ETHER	2.5	UG/L	85	< 2.5

SURROGATE:				
BROMOFLUOROBENZENE (%)			103	100
SURROGATE LIMITS (80 - 120)				

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 505208
BLANK I.D.	: 053105	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 05/31/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	ANALYST	: BP

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BFNZENE	UG/L	<0.5
. UENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<1.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		102
SURROGATE LIMITS	(80 - 120)	

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 505208
BATCH #	: 053105	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 05/31/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.05	105	1.03	103	2	(70 - 130)	20
HYDROCARBON RANGE	C6-C10								
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:

% Recovery =
$$\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

RPD (Relative Percent Difference) =
$$\frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 505208
MSMSD #	: 505208-02	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 05/31/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.14	114	1.03	103	10	(70 - 130)	20
HYDROCARBON RANGE	C6-C10								
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 505208
BATCH #	: 053105	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 05/31/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	20.7	104	20.9	105	1	(80 - 120)	20
TOLUENE	<0.5	20.0	21.0	105	21.1	106	0	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	21.1	106	21.3	107	1	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	63.6	106	63.9	107	0	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	17.3	87	17.9	90	3	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 505208
MSMSD #	: 505208-02	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 05/31/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	0.6	20.0	21.8	106	21.2	103	3	(80 - 120)	20
TOLUENE	2.0	20.0	23.6	108	23.0	105	3	(80 - 120)	20
ETHYLBENZENE	0.5	20.0	22.3	109	21.3	104	5	(80 - 120)	20
TOTAL XYLENES	2.7	60.0	67.4	108	64.9	104	4	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	18.9	95	19.8	99	5	(70 - 133)	20

CHEMIST NOTES:
N/A

% Recovery =
$$\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

RPD (Relative Percent Difference) =
$$\frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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PROJECT MANAGER: Terry Gelfand COMPANY: Biotech Remediation ADDRESS: 501 Airport Dr. PHONE: 505-327-4965 FAX: BILL TO: COMPANY: ADDRESS:				ANALYSIS REQUEST Petroleum Hydrocarbons (418.1) TPH (MOD.8015) Diesel/Direct Inject (M8015) Gas/Purge & Trap 8021 (BTEX)/8015 (Gasoline) MTBE 8021 (BTEX) □ MTBE □ TMB □ PCE 8021 (TCL) 8021 (EDX) 8021 (HALO) 8021 (CUST) 504.1 EDB □ / DBCP □ 8260 (TCL) Volatile Organics 8260 (Full) Volatile Organics 8260 (CUST) Volatile Organics 8260 (Landfill) Volatile Organics Pesticides/PCB (608/8081/8082) Herbicides (615/8151) Base/Neutral/Acid Compounds GC/MS (625/8270) Polynuclear Aromatics (610/8310/8270-SIMS) General Chemistry: Priority Pollutant Metals (13) Target Analyte List Metals (23) RCRA Metals (8) RCRA Metals by TCLP (Method 1311) Metals: NUMBER OF CONTAINERS															
SAMPLE ID AS / INFLUENT AS / EFFLUENT				DATE 5-20-05 5-20-05				TIME 1115 1120				MATRIX H2O H2O				LAB I.D. 01 02			
PROJECT INFORMATION PROJ. NO.: 810 PROJ. NAME: BIO / Air Striper P.O. NO.: SHIPPED VIA:				PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS (RUSH) □ 124hr □ 48hr □ 72hr □ 1 WEEK (NORMAL) □ CERTIFICATION REQUIRED □ NM □ SDWA □ OTHER METHANOL PRESERVATION □ COMMENTS: FIXED FEE □															
SAMPLE RECEIPT NO CONTAINERS 4 CUSTODY SEALS Y (N) NA RECEIVED/INTACT YES BLUE ICE YES				RELINQUISHED BY: Signature: [Signature] Printed Name: Mike Beapalau Date: 5-25-05 Company: Bio Tech See reverse side (Force Majeure) RECEIVED BY: Signature: [Signature] Printed Name: [Signature] Date: 5-25-05 Company: Pinnacle Laboratories Inc.															

Pinnacle Lab ID number **507233**
August 11, 2005

BIOTECH REMEDIATION
501 AIRPORT DRIVE SUITE 104
FARMINGTON, NM 87401

Project Name AIRSTRIPPER
Project Number 810

Attention: MIKE BEAUPARLANT

On 07/29/2005 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

CLIENT	: BIOTECH REMEDIATION	PINNACLE ID	: 507233
PROJECT #	: 810	DATE RECEIVED	: 07/29/2005
PROJECT NAME	: AIRSTRIPPER	REPORT DATE	: 08/11/2005

PINNACLE			DATE
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
507233 - 01	AIR STRIPPER/INFLUENT	AQUEOUS	07/27/2005
507233 - 02	AIR STRIPPER/EFLUENT	AQUEOUS	07/27/2005

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : BIOTECH REMEDIATION
 PROJECT # : 810
 PROJECT NAME : AIRSTRIPPER

PINNACLE I.D. : 507233
 ANALYST : DSR

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	AIR STRIPPER /INFLUENT	AQUEOUS	07/27/2005	NA	08/04/2005	10
02	AIR STRIPPER /EFLUENT	AQUEOUS	07/27/2005	NA	08/04/2005	1

PARAMETER	DET. LIMIT	UNITS	AIR STRIPPER /INFLUENT	AIR STRIPPER /EFLUENT
FUEL HYDROCARBONS	0.10	MG/L	40	< 0.10
HYDROCARBON RANGE			C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE

ENZENE	0.5	UG/L	810	< 0.5
TOLUENE	0.5	UG/L	1900 - D50	< 0.5
ETHYLBENZENE	0.5	UG/L	1800 - D50	< 0.5
TOTAL XYLENES	1.0	UG/L	5200 - D50	< 1.0
METHYL-t-BUTYL ETHER	2.5	UG/L	140	< 2.5

SURROGATE:				
BROMOFLUOROBENZENE (%)			105	105
SURROGATE LIMITS	(80 - 120)			

CHEMIST NOTES:

D50 = Reported from a 50X dilution run on 08-05-05.

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 507233
BLANK I.D.	: 080405	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 08/04/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	ANALYST	: DSR

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	UG/L	<0.5
OLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<1.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		107
SURROGATE LIMITS	(80 - 120)	

CHEMIST NOTES:

N/A

Preliminary Results

Final report will be issued
following data review

**GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK**

TEST	: EPA 8021B	PINNACLE I.D.	: 507233
BLANK I.D.	: 080505	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 08/05/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	ANALYST	: DSR

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<1.0
METHYL-t-BUTYL ETHER	UG/L	<2.5

SURROGATE:
BROMOFLUOROBENZENE (%) 107
SURROGATE LIMITS (80 - 120)

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 507233
BATCH #	: 080405	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 08/04/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.05	105	1.01	101	4	(70 - 130)	20
HYDROCARBON RANGE	C6-C10								
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:

N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 507233
MSMSD #	: 507235-01	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 08/04/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	0.917	92	0.996	100	8	(70 - 130)	20
HYDROCARBON RANGE	C6-C10								
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:

N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 507233
BATCH #	: 080405	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 08/04/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	19.1	96	18.8	94	2	(80 - 120)	20
TOLUENE	<0.5	20.0	20.9	105	21.3	107	2	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	19.9	100	19.7	99	1	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	61.8	103	61.7	103	0	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	20.0	100	20.1	101	0	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 507233
BATCH #	: 080505	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 08/05/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	18.3	92	18.6	93	2	(80 - 120)	20
TOLUENE	<0.5	20.0	20.3	102	20.5	103	1	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	19.5	98	19.7	99	1	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	60.7	101	61.2	102	1	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	17.2	86	18.4	92	7	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 507233
MSMSD #	: 507235-01	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 08/04/2005
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AIRSTRIPPER	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	18.2	91	18.7	94	3	(80 - 120)	20
TOLUENE	<0.5	20.0	20.4	102	20.7	104	1	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	19.4	97	19.7	99	2	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	59.9	100	61.4	102	2	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	17.9	90	18.5	93	3	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



CHAIN OF CUSTODY

DATE: 7-27-05 PAGE: 1 OF 1

PLI Accession #:

PAGE: 1 OF 1

PROJECT MANAGER: MIKE BEAUPEREAU
COMPANY: BIOTECH REMEDIATION INC.
ADDRESS: 501 AIRPORT DR. SUITE 104
FARMINGTON, NM 87401
PHONE: _____
FAX: _____
BILL TO: _____
COMPANY: _____
ADDRESS: _____

[illegible]

ANALYSIS REQUEST		NUMBER OF CONTAINERS	
Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject		
	(M8015) Gas/Purge & Trap		
8021 (BTEx)/8015 (Gasoline) MTBE	8021 (BTEx) □MTBE □TMB □PCE		
8021 (TCL)			
8021 (EDX)			
8021 (HALO)			
8021 (CUST)			
504.1 EDB □/DBCP □			
8260 (TCL) Volatile Organics			
8260 (Full) Volatile Organics □PBMS			
8260 (CUST) Volatile Organics			
8260 (Landfill) Volatile Organics			
Pesticides/PCB (608/8081/8082)			
Herbicides (615/8151)			
Base/Neutral/Acid Compounds GC/MS (625/8270)			
Polynuclear Aromatics (610/8310/8270-SIMS)			
General Chemistry:			
Priority Pollutant Metals (13)			
Target Analyte List Metals (23)			
RCRA Metals (8)			
RCRA Metals by TCLP (Method1311)			
Metals:			

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
PROJ. NO.: 810		(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK ☐ 1 MONTH ☐ 3 MONTHS ☐ 6 MONTHS ☐ 1 YEAR	☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☐			Signature: [Signature]	Time: [Time]	Signature: [Signature]	Time: [Time]
PROJ. NAME: AIR STEPPER		CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER				Printed Name: [Name]	Date: [Date]	Printed Name: [Name]	Date: [Date]
P.O. NO.:		METHANOL PRESERVATION ☐		METALS ☐ TOTAL ☐ DISSOLVED		Company: [Company]		Company: [Company]	
SHIPPED VIA: BOS		COMMENTS:				RECEIVED BY: 1.		RECEIVED BY: 2.	
SAMPLE RECEIPT						Signature: [Signature]	Time: [Time]	Signature: [Signature]	Time: [Time]
NO CONTAINERS	4					Printed Name: [Name]	Date: [Date]	Printed Name: [Name]	Date: [Date]
CUSTODY SEALS	Y/N (NA)					Company: [Company]		Company: [Company]	
RECEIVED INTACT	Y/N								
BLUE ICE/ICE	3.1 C								

July, 2003 P.L. Inc.: Pinnacle Laboratories, Inc. • 2709-D Pan American Freeway, NE • Albuquerque, New Mexico 87107 • (505) 344-3777 • Fax (505) 344-4413 • E-mail: PIN_LAB@ATT.NET

DISTRIBUTION: White - P.L.I. Canary - Original

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Pinnacle Lab ID number **511132**
November 21, 2005

BIOTECH REMEDIATION
501 AIRPORT DRIVE SUITE 104
FARMINGTON, NM 87401

Project Name Air Stripper
Project Number 810

Attention: Mike Beauparlant

On 11/07/05 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

CLIENT : BIOTECH REMEDIATION
PROJECT # : 810
PROJECT NAME : Air Stripper

PINNACLE ID : 511132
DATE RECEIVED : 11/07/05
REPORT DATE : 11/21/05

PINNACLE	ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
	511132 - 01	AS/INFLUENT	AQUEOUS	10/31/05
	511132 - 02	AS/EFFLUENT	AQUEOUS	10/31/05

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : BIOTECH REMEDIATION
 PROJECT # : 810
 PROJECT NAME : Air Stripper

PINNACLE I.D. : 511132
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	AS/INFLUENT	AQUEOUS	10/31/05	NA	11/10/05	10
02	AS/EFFLUENT	AQUEOUS	10/31/05	NA	11/10/05	1

PARAMETER	DET. LIMIT	UNITS	AS/INFLUENT	AS/EFFLUENT
FUEL HYDROCARBONS	0.10	MG/L	9.5	< 0.10
HYDROCARBON RANGE			C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE

BENZENE	0.5	UG/L	190	< 0.5
TOLUENE	0.5	UG/L	1800	2.1
ETHYLBENZENE	0.5	UG/L	480	0.6
TOTAL XYLENES	1.0	UG/L	1600	2.6
METHYL-t-BUTYL ETHER	2.5	UG/L	< 25	< 2.5

SURROGATE:
 BROMOFLUOROBENZENE (%) 98 98
 SURROGATE LIMITS (80 - 120)

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 511132
BLANK I.D.	: 111005	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 11/10/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: Air Stripper	ANALYST	: BP

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<1.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		95
SURROGATE LIMITS	(80 - 120)	

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 511132
BATCH #	: 111005	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 11/10/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: Air Stripper	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.08	108	1.02	102	6	(70 - 130)	20
HYDROCARBON RANGE	C6-C10								
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 511132
BATCH #	: 111005	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 11/10/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: Air Stripper	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	19.8	99	19.5	97	2	(80 - 120)	20
TOLUENE	<0.5	20.0	19.8	99	19.4	97	2	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	19.9	99	19.3	97	3	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	59.7	100	58.0	97	3	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	19.5	97	19.2	96	1	(70 - 133)	20

CHEMIST NOTES:

N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 511132
MSMSD #	: 511132-02	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 11/10/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: Air Stripper	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.04	104	1.01	101	3	(70 - 130)	20
HYDROCARBON RANGE	C6-C10								
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 511132
MSMSD #	: 511132-02	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 11/10/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: Air Stripper	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	19.7	98	19.4	97	1	(80 - 120)	20
TOLUENE	2.1	20.0	21.1	95	20.7	93	2	(80 - 120)	20
ETHYLBENZENE	0.6	20.0	20.0	97	19.6	95	2	(80 - 120)	20
TOTAL XYLENES	2.6	60.0	60.9	97	59.7	95	2	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	19.6	98	20.6	103	5	(70 - 133)	20

CHEMIST NOTES:
N/A

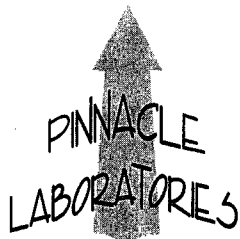
$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

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Pinnacle Lab ID number **509335**
October 17, 2005

BIOTECH REMEDIATION
501 AIRPORT DRIVE SUITE 104
FARMINGTON, NM 87401

Project Name THRIFTWAY REFINERY
Project Number 810

Attention: MIKE BEAUPARLANT

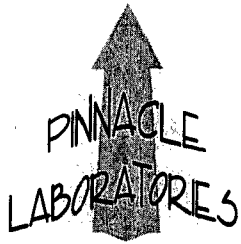
On 09/27/05 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

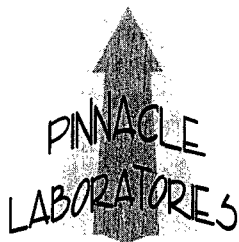
Enclosure



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CLIENT	: BIOTECH REMEDIATION	PINNACLE ID	: 509335
PROJECT #	: 810	DATE RECEIVED	: 09/27/05
PROJECT NAME	: THRIFTWAY REFINERY	REPORT DATE	: 10/17/05

PINNACLE	ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
	509335 - 01	MW-18	AQUEOUS	09/19/05
	509335 - 02	MW-19	AQUEOUS	09/19/05
	509335 - 03	MW-4	AQUEOUS	09/19/05
	509335 - 04	MW-6	AQUEOUS	09/19/05
	509335 - 05	MW-7	AQUEOUS	09/19/05
	509335 - 06	MW-9	AQUEOUS	09/19/05
	509335 - 07	MW-10	AQUEOUS	09/19/05
	509335 - 08	MW-15	AQUEOUS	09/19/05
	509335 - 09	AIRSTRIPPER INFLUENT	AQUEOUS	09/19/05
	509335 - 10	AIRSTRIPPER EFFLUENT	AQUEOUS	09/19/05
	509335 - 11	MW #20	AQUEOUS	09/23/05
	509335 - 12	MW #21	AQUEOUS	09/23/05
	509335 - 13	MW #22	AQUEOUS	09/23/05
	509335 - 14	MW #13	AQUEOUS	09/23/05
	509335 - 15	MW #13A	AQUEOUS	09/23/05



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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
CLIENT : BIOTECH REMEDIATION
PROJECT # : 810
PROJECT NAME : THRIFTWAY REFINERY

PINNACLE I.D. : 509335
ANALYST : BP

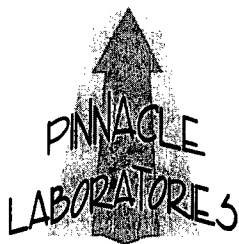
SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-18	AQUEOUS	09/19/05	NA	09/29/05	1
02	MW-19	AQUEOUS	09/19/05	NA	09/29/05	1
03	MW-4	AQUEOUS	09/19/05	NA	09/29/05	1

PARAMETER	DET. LIMIT	UNITS	MW-18	MW-19	MW-4
FUEL HYDROCARBONS	0.10	MG/L	0.23	0.21	0.11
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE

BENZENE	0.5	UG/L	3.8	< 0.5	1.2
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOTAL XYLENES	1.0	UG/L	2.0	2.0	< 1.0
METHYL-t-BUTYL ETHER	2.5	UG/L	54	120	20

SURROGATE:					
BROMOFLUOROBENZENE (%)			113	116	104
SURROGATE LIMITS	(80 - 120)				

CHEMIST NOTES:
N/A



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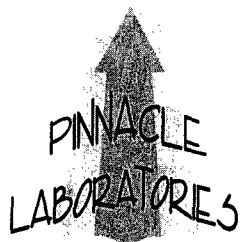
GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
CLIENT : BIOTECH REMEDIATION
PROJECT # : 810
PROJECT NAME : THRIFTWAY REFINERY

PINNACLE I.D. : 509335
ANALYST : BP

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	FACTOR
04	MW-6	AQUEOUS	09/19/05	NA	09/29/05	1
05	MW-7	AQUEOUS	09/19/05	NA	09/29/05	1
06	MW-9	AQUEOUS	09/19/05	NA	09/29/05	1
PARAMETER		DET. LIMIT	UNITS	MW-6	MW-7	MW-9
FUEL HYDROCARBONS		0.10	MG/L	0.22	0.14	< 0.10
HYDROCARBON RANGE				C6-C10	C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING				GASOLINE	GASOLINE	GASOLINE
BENZENE		0.5	UG/L	1.9	< 0.5	< 0.5
TOLUENE		0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE		0.5	UG/L	0.5	< 0.5	< 0.5
TOTAL XYLENES		1.0	UG/L	< 1.0	< 1.0	< 1.0
METHYL-t-BUTYL ETHER		2.5	UG/L	66	140	< 2.5
SURROGATE:						
BROMOFLUOROBENZENE (%)				107	101	104
SURROGATE LIMITS (80 - 120)						

CHEMIST NOTES:
N/A



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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
CLIENT : BIOTECH REMEDIATION
PROJECT # : 810
PROJECT NAME : THRIFTWAY REFINERY

PINNACLE I.D. : 509335
ANALYST : BP

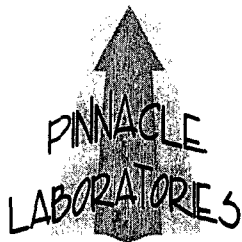
SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-10	AQUEOUS	09/19/05	NA	09/29/05	1
08	MW-15	AQUEOUS	09/19/05	NA	09/29/05	1
09	AIRSTRIPPER INFLUENT	AQUEOUS	09/19/05	NA	09/29/05	10

PARAMETER	DET. LIMIT	UNITS	MW-10	MW-15	AIRSTRIPPER INFLUENT
FUEL HYDROCARBONS	0.10	MG/L	< 0.10	< 0.10	6.3
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE

BENZENE	0.5	UG/L	< 0.5	< 0.5	64
TOLUENE	0.5	UG/L	< 0.5	< 0.5	260
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	370
TOTAL XYLENES	1.0	UG/L	< 1.0	< 1.0	1200
METHYL-t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	62

SURROGATE: BROMOFLUOROBENZENE (%)			99	104	106
SURROGATE LIMITS	(80 - 120)				

CHEMIST NOTES:
N/A



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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
CLIENT : BIOTECH REMEDIATION
PROJECT # : 810
PROJECT NAME : THRIFTWAY REFINERY

PINNACLE I.D. : 509335
ANALYST : BP

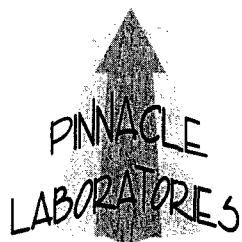
SAMPLE			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
10	AIRSTRIPPER EFFLUENT	AQUEOUS	09/19/05	NA	09/29/05	1
11	MW #20	AQUEOUS	09/23/05	NA	10/02/05	5
12	MW #21	AQUEOUS	09/23/05	NA	10/02/05	1

PARAMETER	DET. LIMIT	UNITS	AIRSTRIPPER EFFLUENT	MW #20	MW #21
FUEL HYDROCARBONS	0.10	MG/L	< 0.10	1.2	< 0.10
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE

BENZENE	0.5	UG/L	< 0.5	< 2.5	< 0.5
TOLUENE	0.5	UG/L	1.0	< 2.5	< 0.5
ETHYLBENZENE	0.5	UG/L	1.6	< 2.5	< 0.5
TOTAL XYLENES	1.0	UG/L	7.6	5.4	< 1.0
METHYL-t-BUTYL ETHER	2.5	UG/L	< 2.5	160	29

SURROGATE:					
BROMOFLUOROBENZENE (%)			99	109	97
SURROGATE LIMITS	(80 - 120)				

CHEMIST NOTES:
N/A



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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
CLIENT : BIOTECH REMEDIATION
PROJECT # : 810
PROJECT NAME : THRIFTWAY REFINERY

PINNACLE I.D. : 509335
ANALYST : BP

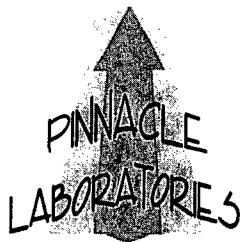
SAMPLE		DATE	DATE	DATE	DIL.	
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
13	MW #22	AQUEOUS	09/23/05	NA	10/02/05	1
14	MW #13	AQUEOUS	09/23/05	NA	10/02/05	1
15	MW #13A	AQUEOUS	09/23/05	NA	10/02/05	1

PARAMETER	DET. LIMIT	UNITS	MW #22	MW #13	MW #13A
FUEL HYDROCARBONS	0.10	MG/L	< 0.10	0.20	< 0.10
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE

BENZENE	0.5	UG/L	< 0.5	0.6	< 0.5
TOLUENE	0.5	UG/L	< 0.5	1.6	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOTAL XYLENES	1.0	UG/L	< 1.0	< 1.0	< 1.0
METHYL-t-BUTYL ETHER	2.5	UG/L	11	< 2.5	< 2.5

SURROGATE:					
BROMOFLUOROBENZENE (%)			99	99	97
SURROGATE LIMITS	(80 - 120)				

CHEMIST NOTES:
N/A



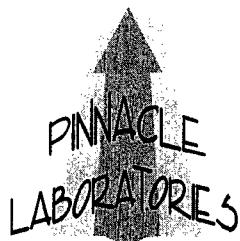
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GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 509335
BLANK I.D.	: 092905	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 09/29/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY REFINERY	ANALYST	: BP

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<1.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		103
SURROGATE LIMITS	(80 - 120)	

CHEMIST NOTES:
N/A



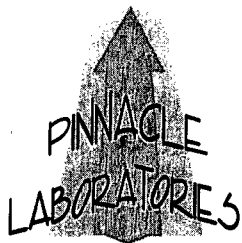
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GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 509335
BLANK I.D.	: 100205	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 10/02/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY REFINERY	ANALYST	: BP

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<1.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		101
SURROGATE LIMITS	(80 - 120)	

CHEMIST NOTES:
N/A



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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

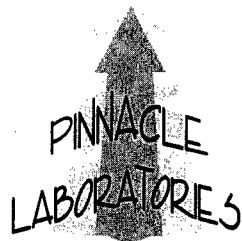
TEST	: EPA 8015B GRO	PINNACLE I.D.	: 509335
BATCH #	: 092905	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 09/29/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY REFINERY	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.04	104	1.02	102	2	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING		GASOLINE							

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

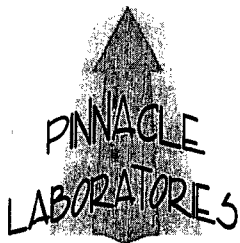
TEST	: EPA 8015B GRO	PINNACLE I.D.	: 509335
BATCH #	: 100205	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 10/02/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY REFINERY	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.00	100	1.02	102	2	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING		GASOLINE							

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

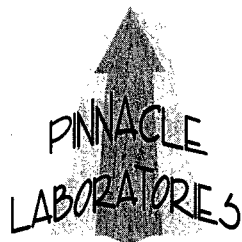
TEST	: EPA 8021B	PINNACLE I.D.	: 509335
BATCH #	: 092905	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 09/29/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY REFINERY	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	19.6	98	19.9	100	2	(80 - 120)	20
TOLUENE	<0.5	20.0	21.6	108	21.8	109	1	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.9	105	21.0	105	0	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	64.6	108	65.5	109	1	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	19.6	98	20.4	102	4	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

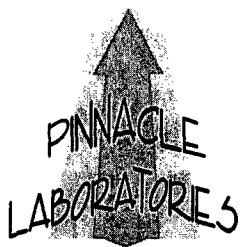
TEST	: EPA 8021B	PINNACLE I.D.	: 509335
BATCH #	: 100205	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 10/02/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY REFINERY	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	19.3	97	19.4	97	1	(80 - 120)	20
TOLUENE	<0.5	20.0	21.2	106	21.3	107	0	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.4	102	20.6	103	1	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	63.3	106	63.8	106	1	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	18.6	93	18.0	90	3	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

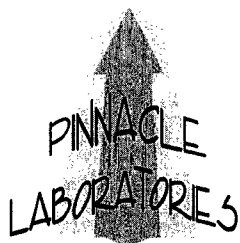
TEST	: EPA 8015B GRO	PINNACLE I.D.	: 509335
MSMSD #	: 509335-07	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 09/29/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY REFINERY	UNITS	: MGL

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.03	103	0.972	97	6	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING	GASOLINE								

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 509335
MSMSD #	: 509335-07	DATE EXTRACTED	: N/A
CLIENT	: BIOTECH REMEDIATION	DATE ANALYZED	: 09/29/05
PROJECT #	: 810	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY REFINERY	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	18.9	95	19.6	98	4	(80 - 120)	20
TOLUENE	<0.5	20.0	21.1	106	21.7	109	3	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.2	101	20.8	104	3	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	62.4	104	64.1	107	3	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	17.6	88	20.8	104	17	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 9-26-05 PAGE: 1 OF 2

PLI Accession #
501335

SHADED AREAS ARE FOR LAB USE ONLY

PROJECT MANAGER: Mike Beauparlant
COMPANY: Biotech Remediation Inc.
ADDRESS: 501 Airport Dr. Suite 104
Farmington, N.M. 87401
PHONE: 505-327-1965
FAX:
BILL TO:
COMPANY:
ADDRESS:

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
MW-18	9-19-05	1348	H2O	01
MW-19		1403		02
MW-4		1425		03
MW-6		1441		04
MW-7		1502		05
MW-9		1520		06
MW-10		1534		07
MW-15		1552		08
Air Stripped Effluent		1615		09
Air Stripped Effluent		1618		10

ANALYSIS REQUEST	NUMBER OF CONTAINERS
Petroleum Hydrocarbons (418.1) TRPH	
(MOD.8015) Diesel/Direct Inject	
(M8015) Gas/Purge & Trap	
8021 (BTEX)/8015 (Gasoline) MTBE	
8021 (BTEX) □ MTBE □ TMB □ PCE	
8021 (TCL)	
8021 (EDX)	
8021 (HALO)	
8021 (CUST)	
504.1 EDB □ DBCP □	
8260 (TCL) Volatile Organics	
8260 (Full) Volatile Organics □ PBMS	
8260 (CUST) Volatile Organics	
8260 (Landfill) Volatile Organics	
Pesticides/PCB (608/8081/8082)	
Herbicides (615/8151)	
Base/Neutral/Acid Compounds GC/MS (625/8270)	
Polynuclear Aromatics (510/8310/8270-SIMS)	
General Chemistry:	
Priority Pollutant Metals (13)	
Target Analyte List Metals (23)	
RCRA Metals (8)	
RCRA Metals by TCLP (Method 1311)	
Metals:	

PROJECT INFORMATION	PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS	RELINQUISHED BY:
PROJ. NO.: 810	(RUSH) □ 24hr □ 48hr □ 72hr □ 1 WEEK (NORMAL) □ NOT AVAILABLE ON ALL ANALYSES	Signature: [Signature] Time: 0830
PROJ. NAME: Thriftway Refinery	CERTIFICATION REQUIRED □ NM □ SDWA □ AZ □ OTHER	Printed Name: Mike Beauparlant Date: 9-26-05
P.O. NO.:	METHANOL PRESERVATION □ METALS □ TOTAL □ DISSOLVED	Company: Biotech Remediation
SHIPPED VIA: BUS	COMMENTS: 1 container	RECEIVED BY (LAB): [Signature] Time: 1606
SAMPLE RECEIPT		Printed Name: [Signature] Date: 09-27-05
NO CONTAINERS: 20		Company: Pinnacle Laboratories Inc.
CUSTODY SEALS: Y/N/MD		
RECEIVED INTACT: Y		
BLINDING: 6-1		

PLEASE FILL THIS FORM IN COMPLETELY.

8021/8045

DISTRIBUTION: White - AEN (NM). Canary - Originator

PINNACLE LABS

Environmental Testing

Pinnacle Lab ID number 601053
February 13, 2006

ANIMAS ENVIRONMENTAL SERVICES
624 EAST COMMANCHE
FARMINGTON, NM 87401

Project Name THRIFTWAY #810
Project Number REFINERY

Attention: ROSS KENNEMER/MIKE BEAUPARLANT

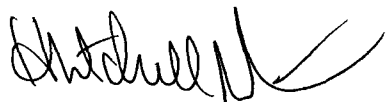
On 01/05/06 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Due to the matrix the Bromide could not be analyzed any more concentrated than a 10X dilution. Additionally, QC failure is attributed to the matrix.

EPA method 150.1 (pH), 8015/8021 and Bromide analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

All remaining analyses were performed by Flowers Chemical Laboratories, Inc. Altamonte Springs, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 601053
PROJECT #	: REFINERY	DATE RECEIVED	: 01/05/06
PROJECT NAME	: THRIFTWAY #810	REPORT DATE	: 02/13/06

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
601053 - 01	TRAVEL BLANK	AQUEOUS	12/27/05
601053 - 02	MW-1	AQUEOUS	01/03/06
601053 - 03	MW-13	AQUEOUS	01/03/06
601053 - 04	MW-14	AQUEOUS	01/03/06
601053 - 05	MW-15	AQUEOUS	01/03/06
601053 - 06	MW-10	AQUEOUS	01/03/06

GENERAL CHEMISTRY RESULTS

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 601053
PROJECT #	: REFINERY	DATE RECEIVED	: 01/05/06
PROJECT NAME	: THRIFTWAY #810	ANALYST	: DSR

SAMPLE			DATE	DATE	
ID. #	CLIENT I.D.	MATRIX	SAMPLED	ANALYZED	
02	MW-1	AQUEOUS	01/03/06	01/05/06	
03	MW-13	AQUEOUS	01/03/06	01/05/06	
04	MW-14	AQUEOUS	01/03/06	01/05/06	
PARAMETER		UNITS	MW-1	MW-13	MW-14
PH (150.1)		UNITS	7.3	7.3	7.3

CHEMIST NOTES:
N/A

GENERAL CHEMISTRY RESULTS

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 601053
PROJECT #	: REFINERY	DATE RECEIVED	: 01/05/06
PROJECT NAME	: THRIFTWAY #810	ANALYST	: DSR
SAMPLE		DATE	DATE
ID. #	CLIENT I.D.	SAMPLED	ANALYZED
05	MW-15	01/03/06	01/05/06
06	MW-10	01/03/06	01/05/06
PARAMETER	UNITS	MW-15	MW-10
PH (150.1)	UNITS	7.6	7.4

CHEMIST NOTES:
N/A

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 601053
 PROJECT # : REFINERY SAMPLE MATRIX : AQUEOUS
 PROJECT NAME : THRIFTWAY #810 DATE ANALYZED : 01/05/06

PARAMETER	UNITS	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH	UNITS	601053-02	7.33	7.30	0

CHEMIST NOTES:
 N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

ION CHROMATOGRAPHY RESULTS

TEST : ANIONS BY EPA 300.0
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601053
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
02	MW-1	AQUEOUS	01/03/06	NA	01/10/06	10
03	MW-13	AQUEOUS	01/03/06	NA	01/10/06	10
04	MW-14	AQUEOUS	01/03/06	NA	01/10/06	10
PARAMETER	DET. LIMIT	UNITS	MW-1	MW-13	MW-14	
BROMIDE	1.0	MG/L	< 10	< 10	< 10	

CHEMIST NOTES:
 N/A

ION CHROMATOGRAPHY RESULTS

TEST : ANIONS BY EPA 300.0
CLIENT : ANIMAS ENVIRONMENTAL SERVICES
PROJECT # : REFINERY
PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601053
ANALYST : BP

SAMPLE			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
05	MW-15	AQUEOUS	01/03/06	NA	01/10/06	10
06	MW-10	AQUEOUS	01/03/06	NA	01/10/06	10
PARAMETER		DET. LIMIT	UNITS	MW-15	MW-10	
BROMIDE		1.0	MG/L	< 10	< 10	

CHEMIST NOTES:
N/A

PINNACLE I.D. : 601053
 TEST : ANIONS BY EPA 300.0
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

ION CHROMATOGRAPHY RESULTS REAGENT BLANK

BLANK I.D. : 011006
 DATE EXTRACTED : N/A
 DATE ANALYZED : 01/10/06
 SAMPLE MATRIX : AQUEOUS
 ANALYST : BP
 UNITS : MG/L

PARAMETER	UNITS
BROMIDE	MG/L

ION CHROMATOGRAPHY QUALITY CONTROL LFB/LFBD

BATCH I.D. : 011006
 DATE EXTRACTED : N/A
 DATE ANALYZED : 01/10/06
 SAMPLE MATRIX : AQUEOUS
 ANALYST : BP
 UNITS : MG/L

PARAMETER	LFB RESULT	CONC SPIKE	SPIKED BLANK	% REC	DUP SPIKE	DUP % REC	RPD	RPD LIMITS	REC LIMITS
BROMIDE	<1.0	10.0	9.45	95	9.28	93	2	20	(90 - 110)

ION CHROMATOGRAPHY QUALITY CONTROL LFM

SAMPLE I.D. : 601053-05
 DATE EXTRACTED : N/A
 DATE ANALYZED : 01/10/06
 SAMPLE MATRIX : AQUEOUS
 ANALYST : BP
 UNITS : MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	REC LIMITS
BROMIDE	<10	100	72.3	72	C2,M4 (80 - 120)

CHEMIST NOTES:

LFM:

C2 = CCV was less than established limits, results may be biased low.

M4 = % REC was outside of PLI criteria, low.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601053
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
02	MW-1	AQUEOUS	01/03/06	NA	01/10/06	1
03	MW-13	AQUEOUS	01/03/06	NA	01/10/06	1
04	MW-14	AQUEOUS	01/03/06	NA	01/10/06	5
PARAMETER	DET. LIMIT	UNITS	MW-1	MW-13	MW-14	
FUEL HYDROCARBONS	0.10	MG/L	0.11	< 0.10	1.1	
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10	
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE	
BENZENE	0.5	UG/L	19	< 0.5	44	
TOLUENE	0.5	UG/L	< 0.5	< 0.5	3.9	
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	50	
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 10	
METHYL-t-BUTYL ETHER	0.5	UG/L	3.3 - G*	< 0.5 - G*	12 - G*	
SURROGATE:						
BROMOFLUOROBENZENE (%)			98	92	95	
SURROGATE LIMITS	(80 - 120)					

CHEMIST NOTES:

G* = Reported from GC-3 data run on 01-16-06.

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 8021B / 8015B GRO	
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D. : 601053
PROJECT #	: REFINERY	ANALYST : BP
PROJECT NAME	: THRIFTWAY #810	

SAMPLE		MATRIX	DATE	DATE	DATE	DIL. FACTOR
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	
05	MW-15	AQUEOUS	01/03/06	NA	01/10/06	1
06	MW-10	AQUEOUS	01/03/06	NA	01/10/06	1

PARAMETER	DET. LIMIT	UNITS	MW-15	MW-10
FUEL HYDROCARBONS	0.10	MG/L	< 0.10	< 0.10
HYDROCARBON RANGE			C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE
BENZENE	0.5	UG/L	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0
METHYL-t-BUTYL ETHER	0.5	UG/L	< 0.5 - G*	< 0.5 - G*

SURROGATE:

BROMOFLUOROBENZENE (%)	95	99
SURROGATE LIMITS (80 - 120)		

CHEMIST NOTES:

G* = Reported from GC-3 data run on 01-16-06.

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 601053
BLANK I.D.	: 011006	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/10/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	ANALYST	: BP

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE

BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
METHYL-t-BUTYL ETHER	UG/L	<2.5

SURROGATE:		
BROMOFLUOROBENZENE (%)		96
SURROGATE LIMITS (80 - 120)		

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B	PINNACLE I.D.	: 601053
BLANK I.D.	: 011606	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
METHYL-t-BUTYL ETHER	UG/L	<0.5
SURROGATE:		
TRIFLUOROTOLUENE (%)		103
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
Reagent Blank was run on GC-3.

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 601053
BATCH #	: 011006	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/10/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	0.998	100	0.991	99	1	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601053
BATCH #	: 011006	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/10/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	21.0	105	20.7	104	1	(80 - 120)	20
TOLUENE	<0.5	20.0	20.4	102	20.2	101	1	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.4	102	20.3	102	0	(80 - 120)	20
TOTAL XYLENES	<2.0	60.0	61.5	103	61.1	102	1	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	18.1	91	18.1	91	0	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601053
BATCH #	: 011606	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	10.0	10.0	100	9.88	99	1	(80 - 120)	20
TOLUENE	<0.5	10.0	9.50	95	9.39	94	1	(80 - 120)	20
ETHYLBENZENE	<0.5	10.0	9.72	97	9.55	96	2	(80 - 120)	20
TOTAL XYLENES	<2.0	30.0	30.1	100	29.6	99	2	(80 - 120)	20
METHYL-t-BUTYL ETHER	<0.5	10.0	9.90	99	9.91	99	0	(70 - 133)	20

CHEMIST NOTES:

This LCS/LCSD was run on GC-3.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 601053
MSMSD #	: 601053-03	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/10/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.02	102	0.904	90	12	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601053
MSMSD #	: 601053-03	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/10/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	21.1	106	21.9	110	4	(80 - 120)	20
TOLUENE	<0.5	20.0	20.4	102	21.4	107	5	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.4	102	21.4	107	5	(80 - 120)	20
TOTAL XYLENES	<2.0	60.0	61.3	102	64.4	107	5	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	14.4	72-C2	18.8	94-C2	27-M3	(70 - 133)	20

CHEMIST NOTES:

M3 = RPD is outside of PLI criteria.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601053
MSMSD #	: 601053-03	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	10.0	9.97	100	10.3	103	3	(80 - 120)	20
TOLUENE	<0.5	10.0	9.58	96	9.81	98	2	(80 - 120)	20
ETHYLBENZENE	<0.5	10.0	9.70	97	9.94	99	2	(80 - 120)	20
TOTAL XYLENES	<2.0	30.0	30.1	100	30.9	103	3	(80 - 120)	20
METHYL-t-BUTYL ETHER	<0.5	10.0	10.1	101	10.5	105	4	(70 - 133)	20

CHEMIST NOTES:

This MS/MSD was run on GC-3.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601053
 ANALYST : DSR

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	FACTOR
02	MW-1	AQUEOUS	01/03/06	01/10/06	01/11/06	1
03	MW-13	AQUEOUS	01/03/06	01/10/06	01/11/06	1
04	MW-14	AQUEOUS	01/03/06	01/10/06	01/11/06	1
PARAMETER	DET. LIMIT	UNITS	MW-1	MW-13	MW-14	
FUEL HYDROCARBONS, C6-C10	2.0	MG/L	< 2.0	< 2.0	< 2.0	
FUEL HYDROCARBONS, C10-C22	1.0	MG/L	< 1.0	< 1.0	< 1.0	1.1
FUEL HYDROCARBONS, C22-C36	1.0	MG/L	< 1.0	< 1.0	< 1.0	
CALCULATED SUM:						1.1

SURROGATE:
 O-TERPHENYL (%) 94 94 98
 SURROGATE LIMITS (70-130)

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601053
 ANALYST : DSR

SAMPLE			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
05	MW-15	AQUEOUS	01/03/06	01/10/06	01/11/06	1
06	MW-10	AQUEOUS	01/03/06	01/10/06	01/11/06	1
PARAMETER		DET. LIMIT	UNITS	MW-15	MW-10	
FUEL HYDROCARBONS, C6-C10		2.0	MG/L	< 2.0	< 2.0	
FUEL HYDROCARBONS, C10-C22		1.0	MG/L	< 1.0	< 1.0	
FUEL HYDROCARBONS, C22-C36		1.0	MG/L	< 1.0	< 1.0	
CALCULATED SUM:						

SURROGATE:
 O-TERPHENYL (%) 93 102
 SURROGATE LIMITS (70-130)

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS
EXTRACTION BLANK

TEST : EPA 8015 MODIFIED (DIRECT INJECT) PINNACLE I.D. : 601053
BLANK I.D. : 011006 DATE EXTRACTED : 01/10/06
CLIENT : ANIMAS ENVIRONMENTAL SERVICES DATE ANALYZED : 01/11/06
PROJECT # : REFINERY SAMPLE MATRIX : AQUEOUS
PROJECT NAME : THRIFTWAY #810 ANALYST : DSR

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/L	< 2.0
FUEL HYDROCARBONS, C10-C22	MG/L	< 1.0
FUEL HYDROCARBONS, C22-C36	MG/L	< 1.0

SURROGATE:
O-TERPHENYL (%) 92
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 601053
LCS/LCSD #	: 011006	DATE EXTRACTED	: 01/10/06
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/11/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<1.0	33.0	35.5	108	35.5	108	0	(70-130)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Feb 1, 2006; Invoice: 7457B06

Report Summary

Date Received: Jan 24, 2006

FCL Project Manager: June S. Flowers

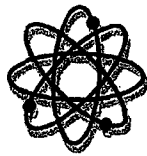
Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
7457	601053-02	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7458	601053-03	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7459	601053-04	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7460	601053-05	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7461	601053-06	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Feb 1, 2006; Invoice: 7457B06

Analysis Report

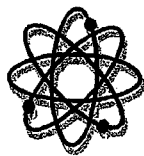
Lab #: 7457 Desc: 601053-02						
Parameter	Result	Units	DF	MDL	PQL	QC Batch Method CAS # Analyzed
Sulfate	2470	mg/L	1.00	5.00		10055165 EPA375.4 14808-79-8 01/31/06
Fluoride	0.951	mg/L	1.00	0.0500		10055166 EPA340.2 16984-48-8 02/01/06
Chloride	36.0	mg/L	1.00	0.300		10055167 EPA325.2 16887-00-6 01/30/06

Lab #: 7458 Desc: 601053-03						
Parameter	Result	Units	DF	MDL	PQL	QC Batch Method CAS # Analyzed
Sulfate	39.3	mg/L	1.00	5.00		10055165 EPA375.4 14808-79-8 01/31/06
Fluoride	1.08	mg/L	1.00	0.0500		10055166 EPA340.2 16984-48-8 02/01/06
Chloride	64.7	mg/L	1.00	0.300		10055167 EPA325.2 16887-00-6 01/30/06

Lab #: 7459 Desc: 601053-04						
Parameter	Result	Units	DF	MDL	PQL	QC Batch Method CAS # Analyzed
Sulfate	3150	mg/L	1.00	5.00		10055165 EPA375.4 14808-79-8 01/31/06
Fluoride	0.896	mg/L	1.00	0.0500		10055166 EPA340.2 16984-48-8 02/01/06
Chloride	32.9	mg/L	1.00	0.300		10055167 EPA325.2 16887-00-6 01/30/06

Lab #: 7460 Desc: 601053-05						
Parameter	Result	Units	DF	MDL	PQL	QC Batch Method CAS # Analyzed
Sulfate	2030	mg/L	1.00	5.00		10055165 EPA375.4 14808-79-8 01/31/06
Fluoride	0.703	mg/L	1.00	0.0500		10055166 EPA340.2 16984-48-8 02/01/06
Chloride	146	mg/L	1.00	0.300		10055167 EPA325.2 16887-00-6 01/30/06

Lab #: 7461 Desc: 601053-06						
Parameter	Result	Units	DF	MDL	PQL	QC Batch Method CAS # Analyzed
Sulfate	3820	mg/L	1.00	5.00		10055165 EPA375.4 14808-79-8 01/31/06
Fluoride	0.807	mg/L	1.00	0.0500		10055166 EPA340.2 16984-48-8 02/01/06
Chloride	188	mg/L	1.00	0.300		10055167 EPA325.2 16887-00-6 01/30/06



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Quality Report

Quality Control Batch: 10055165 Analyst: JGK

Blank Result 5.00U Units mg/L

Laboratory Control Sample Sulfate

Result 19.5 Units mg/L
Spike 20.0 %REC 97.50 %REC Lim 76.00-122.50

Matrix Spike Sulfate

Result 81.2 Units mg/L
Spike 50.0 %REC 162.40 %REC Lim 42.40-147.20 Sample 5.00U

Matrix Spike Duplicate Sulfate

Result 81.4 Units mg/L
Spike 50.0 %REC 162.80 %REC Lim 42.40-147.20 Sample 5.00U RPD 0.25 RPD Lim 32.60

Quality Control Batch: 10055166 Analyst: PCW

Blank Result 0.0500U Units mg/L

Laboratory Control Sample Fluoride

Result 2.17 Units mg/L
Spike 2.00 %REC 108.50 %REC Lim 90.00-113.00

Matrix Spike Fluoride

Result 2.92 Units mg/L
Spike 2.00 %REC 98.45 %REC Lim 62.01-135.89 Sample 0.951

Matrix Spike Duplicate Fluoride

Result 2.90 Units mg/L
Spike 2.00 %REC 97.45 %REC Lim 62.01-135.89 Sample 0.951 RPD 0.69 RPD Lim 26.20

Quality Control Batch: 10055167 Analyst: JGK

Blank Result 0.641 Units mg/L

Chloride



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Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Feb 1, 2006; Invoice: 7457B06

Quality Control Batch: 10055167 Analyst: JGK

Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim
Chloride		18.7	mg/L	20.0	93.50	88.50-116.00
Matrix Spike		Result	Units	Spike	%REC	%REC Lim
Chloride		68.7	mg/L	50.0	101.40	71.91-125.15
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim
Chloride		67.8	mg/L	50.0	99.60	71.91-125.15
					RPD	RPD Lim
					1.32	13.84



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Narrative Report

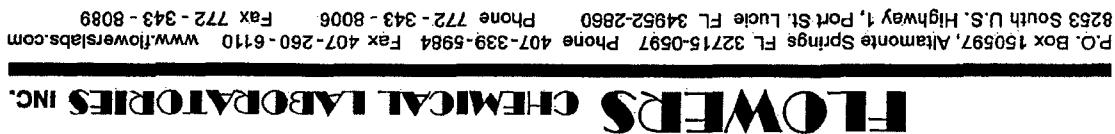
Sample Handling
Sample handling and holding time criteria were met for all samples. Samples collected by submittal. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control
Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments Chain of Custody

Qualifier

U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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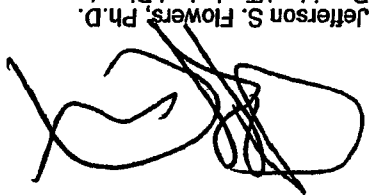
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PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

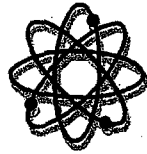
EPA6020	EVB	Main Lab
EPA7470	EVB	Main Lab
EPA8270	CLS	Main Lab

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.


Jefferson S. Flowers, Ph.D.
President/Technical Director





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PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Analysis Report

Lab #	7266	Desc	MW 1601053.02						
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00300	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	0.137	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.00433	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.00367	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.0106	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	493	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	50.3	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	10.0	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	580	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	1880	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	187	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	187	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	4020	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	3540	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06



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PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Lab #: 7266

Desc: MW-1601053-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	53.40%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	80.00%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	38.00%		1.00	1.00		10054540	EPA8270		01/16/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054541	EPA7470	7439-97-6	01/11/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06

Lab #: 7267

Desc: MW-1601053-03

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	0.0143	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.00278	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.0228	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	470	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	64.4	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	8.86	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	1200	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	1490	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	212	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06



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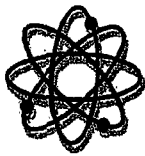
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Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Lab #: 7267

Desc: MW-13/601053-03

Parameter	Result	Units	DF	MDL	POL	QC Batch	Method	CAS #	Analyzed
Bicarbonate Alkalinity	212	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	6190	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	4830	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	59.80%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	93.20%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	87.00%		1.00	1.00		10054540	EPA8270		01/16/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054541	EPA7470	7439-97-6	01/11/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06



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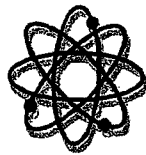
Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Lab #: 7266

Desc: MW-14/601053-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.0110	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	0.114	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.00811	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.0138	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.0189	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	485	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	53.2	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	11.1	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	909	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	2280	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	298	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	297	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	5540	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	4400	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.210	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.350	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06



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Albuquerque, NM 87107

PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Lab #: 7266

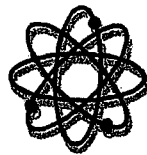
Desc: MW 14/601053-04

Parameter	Result	Units	DF	MDL	POL	QC Batch	Method	CAS #	Analyzed
Fluorene	0.250	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200	U	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.320	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200	U	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200	U	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	45.20%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	65.00%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	36.40%		1.00	1.00		10054540	EPA8270		01/16/06
Mercury	0.000200	U	1.00	0.000200		10054541	EPA7470	7439-97-6	01/11/06
Carbonate Alkalinity	1.00	U	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06

Lab #: 7269

Desc: MW 15/601053-05

Parameter	Result	Units	DF	MDL	POL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00456	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	0.127	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100	U	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.00800	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.00789	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.0247	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100	U	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	414	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	29.3	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	10.3	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	550	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	1370	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	131	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	131	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific_Conductance	3820	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06



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Client Project #: AES
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Jan 17, 2006; Invoice: 7266A06

Lab # 7269

Desc: MW: 15.601053-06

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	2970	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	61.20%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	91.40%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	49.20%		1.00	1.00		10054540	EPA8270		01/16/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054541	EPA7470	7439-97-6	01/11/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	940	ml	1.00	1.00		10054543	EPA3520		01/09/06

Lab # 7270

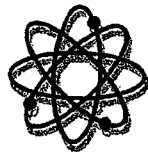
Desc: MW: 10.601053-06

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00633	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Albuquerque, NM 87107

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Jan 17, 2006; Invoice: 7266A06

Lab # 7270

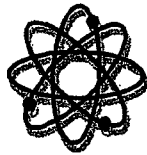
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Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Barium	0.144	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.00800	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.00244	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.0254	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	517	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	77.3	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	10.4	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	1530	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	2020	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	174	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	174	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	6360	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	5320	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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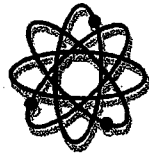
Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Lab #: 7270

Date: MW-050306

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	62.40%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	101.20%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	59.80%		1.00	1.00		10054540	EPA8270		01/16/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054541	EPA7470	7439-97-6	01/11/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06



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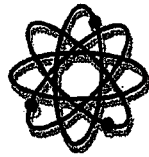
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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Quality Report

Quality Control Batch: 10054353		Analyst: EVB	
Blank	Result	Units	
Arsenic	0.00100U	mg/L	
Barium	0.00200U	mg/L	
Cadmium	0.00100U	mg/L	
Chromium	0.00100U	mg/L	
Lead	0.00100U	mg/L	
Selenium	0.00200U	mg/L	
Silver	0.00100U	mg/L	
Laboratory Control Sample			
Arsenic	Result	Units	%REC %REC Lim Spike
Barium	0.217	mg/L	108.50 77.00-117.00 0.200
Cadmium	0.216	mg/L	108.00 82.50-126.50 0.200
Chromium	0.201	mg/L	100.50 78.50-118.50 0.200
Lead	0.206	mg/L	103.00 78.00-125.00 0.200
Selenium	0.226	mg/L	113.00 81.50-121.50 0.200
Silver	0.229	mg/L	114.50 74.00-118.50 0.200
	0.208	mg/L	104.00 75.00-123.00 0.200
Matrix Spike			
Arsenic	Result	Units	%REC %REC Lim Sample
Barium	0.235	mg/L	104.50 69.78-146.67 0.00300
Cadmium	0.362	mg/L	101.35 71.03-153.20 0.137
Chromium	0.232	mg/L	104.50 74.32-137.84 0.00100U
Lead	0.243	mg/L	107.51 70.69-151.55 0.00433
Selenium	0.225	mg/L	99.70 69.13-143.13 0.00367
Silver	0.251	mg/L	108.29 65.78-139.29 0.0106
	0.207	mg/L	93.24 36.62-155.86 0.00100U
Matrix Spike Duplicate			
	Result	Units	%REC %REC Lim Sample RPD RPD Lim



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PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Quality Control Batch: 10054350 Analyst: EVB

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Arsenic	0.256	mg/L	0.222	113.96	69.78-146.67	0.00300	8.55	25.09
Barium	0.379	mg/L	0.222	109.01	71.03-153.20	0.137	4.59	23.69
Cadmium	0.250	mg/L	0.222	112.61	74.32-137.84	0.00100U	7.47	20.14
Chromium	0.254	mg/L	0.222	112.46	70.69-151.55	0.00433	4.43	23.29
Lead	0.238	mg/L	0.222	105.55	69.13-143.13	0.00367	5.62	22.48
Selenium	0.280	mg/L	0.222	121.35	65.78-139.29	0.0106	10.92	25.36
Silver	0.225	mg/L	0.222	101.35	36.62-155.86	0.00100U	8.33	38.83

Quality Control Batch: 10054351 Analyst: EVB

	Result	Units
Blank		
Calcium, Dissolved	0.100U	mg/L
Magnesium, Dissolved	0.0100U	mg/L
Potassium, Dissolved	0.100U	mg/L
Sodium, Dissolved	0.500U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Calcium, Dissolved	1.15	mg/L	1.00	115.00	91.60-116.00
Magnesium, Dissolved	1.07	mg/L	1.00	107.00	99.10-113.00
Potassium, Dissolved	10.7	mg/L	10.0	107.00	90.90-107.00
Sodium, Dissolved	1.06	mg/L	1.00	106.00	79.50-120.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Calcium, Dissolved	502	mg/L	11.1	81.08	69.63-139.85	493
Magnesium, Dissolved	67.3	mg/L	11.1	153.15	101.14-112.54	50.3
Potassium, Dissolved	25.7	mg/L	11.1	141.44	50.24-153.55	10.0
Sodium, Dissolved	588	mg/L	11.1	72.07	5.23-163.42	580

Matrix Spike Duplicate

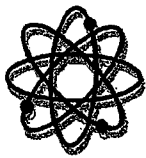
	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Calcium, Dissolved	503	mg/L	11.1	90.09	69.63-139.85	493	0.20	16.04

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007

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PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Quality Control Batch: 10054351

Analyst: EVB

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Magnesium, Dissolved	67.7	mg/L	11.1	156.76	101.14-112.54	50.3	0.59	3.33
Potassium, Dissolved	25.2	mg/L	11.1	136.94	50.24-153.55	10.0	1.96	19.91
Sodium, Dissolved	588	mg/L	11.1	72.07	5.23-163.42	580	0.00	50.45

Quality Control Batch: 10054514

Analyst: LCC

Blank

	Result	Units
Total Alkalinity CaCO ₃	1.00U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Total Alkalinity CaCO ₃	92.1	mg/L	100	92.10	69.20-132.00

Quality Control Batch: 10054539

Analyst: JME

Blank

	Result	Units
TDS	2.50U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
TDS	1400	mg/L	1500	93.33	81.33-118.67

Quality Control Batch: 10054540

Analyst: CLS

Blank

	Result	Units
Acenaphthene	0.200U	ug/L
Acenaphthylene	0.200U	ug/L
Anthracene	0.200U	ug/L
Benzo(a)anthracene	0.200U	ug/L



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PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Quality Control Batch: 10554540 Analyst: CLS

Blank	Result	Units	Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Benzo(a)pyrene	0.200U	ug/L	Acenaphthene	38.3	ug/L	50.0	76.60	5.54-106.80
Benzo(b)fluoranthene	0.200U	ug/L	Acenaphthylene	29.0	ug/L	50.0	58.00	0.55-104.20
Benzo(g,h,i)perylene	0.200U	ug/L	Anthracene	35.2	ug/L	50.0	70.40	28.40-111.20
Benzo(k)fluoranthene	0.200U	ug/L	Benzo(a)anthracene	43.2	ug/L	50.0	86.40	32.60-121.80
Chrysene	0.200U	ug/L	Benzo(a)pyrene	38.8	ug/L	50.0	77.60	32.60-113.60
Dibenz(a,h)anthracene	0.200U	ug/L	Benzo(b)fluoranthene	12.5	ug/L	50.0	25.00	32.60-127.20
Fluoranthene	0.200U	ug/L	Benzo(g,h,i)perylene	50.0	ug/L	50.0	100.00	31.00-126.60
Fluorene	0.200U	ug/L	Benzo(k)fluoranthene	72.6	ug/L	50.0	145.20	31.40-130.60
Indeno(1,2,3-cd)pyrene	0.200U	ug/L	Chrysene	44.4	ug/L	50.0	88.80	36.60-126.00
Naphthalene	0.200U	ug/L	Dibenz(a,h)anthracene	35.8	ug/L	50.0	71.60	29.60-135.00
Phenanthrene	0.200U	ug/L						
Pyrene	0.200U	ug/L						
1-methyl-Naphthalene	0.200U	ug/L						
2-methyl-Naphthalene	0.200U	ug/L						
Surr:Nitrobenzene-d5	41.5	ug/L						
Surr:Terphenyl-d14	55.5	ug/L						
Surr:2-Fluorobiphenyl	30.0	ug/L						



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PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Quality Control Batch: 10064540

Analyst: GLS

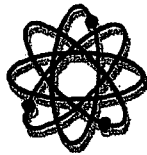
Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim	Sample
Fluoranthene	33.8	ug/L	50.0	67.60	26.00-119.20	0.200U
Fluorene	32.7	ug/L	50.0	65.40	11.66-115.40	0.200U
Indeno(1,2,3-cd)pyrene	41.4	ug/L	50.0	82.80	23.80-139.20	0.200U
Naphthalene	29.7	ug/L	50.0	59.40	0.00-101.20	0.200U
Phenanthrene	37.6	ug/L	50.0	75.20	23.00-107.40	0.200U
Pyrene	47.0	ug/L	50.0	94.00	32.60-127.60	0.200U
1-methyl-Naphthalene	26.3	ug/L	50.0	52.60	0.11-101.80	0.200U
2-methyl-Naphthalene	24.1	ug/L	50.0	48.20	0.00-96.60	0.200U
Surr:Nitrobenzene-d5	48.0	ug/L	50.0	96.00	0.79-110.80	0.200U
Surr:Terphenyl-d14	53.1	ug/L	50.0	106.20	27.00-123.40	0.200U
Surr:2-Fluorobiphenyl	35.4	ug/L	50.0	70.80	4.50-108.00	0.200U
Matrix Spike						
Acenaphthene	32.7	ug/L	50.0	65.40	8.48-106.80	0.200U
Acenaphthylene	26.2	ug/L	50.0	52.40	2.80-106.00	0.200U
Anthracene	27.5	ug/L	50.0	55.00	15.98-113.80	0.200U
Benzo(a)anthracene	22.4	ug/L	50.0	44.80	22.60-120.80	0.200U
Benzo(a)pyrene	17.7	ug/L	50.0	35.40	20.40-113.60	0.200U
Benzo(b)fluoranthene	22.3	ug/L	50.0	44.60	19.48-127.80	0.200U
Benzo(g,h,i)perylene	19.1	ug/L	50.0	38.20	19.32-127.00	0.200U
Benzo(k)fluoranthene	45.0	ug/L	50.0	90.00	16.74-136.00	0.200U
Chrysene	21.8	ug/L	50.0	43.60	21.20-125.80	0.200U
Dibenz(a,h)anthracene	17.5	ug/L	50.0	35.00	19.78-134.40	0.200U
Fluoranthene	25.1	ug/L	50.0	50.20	22.00-113.00	0.200U
Fluorene	28.2	ug/L	50.0	56.40	9.42-114.80	0.200U
Indeno(1,2,3-cd)pyrene	19.3	ug/L	50.0	38.60	21.20-128.00	0.200U
Naphthalene	27.4	ug/L	50.0	54.80	10.22-96.60	0.200U
Phenanthrene	29.2	ug/L	50.0	58.40	17.68-105.60	0.200U
Pyrene	27.3	ug/L	50.0	54.60	14.28-135.60	0.200U

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Albuquerque, NM 87107

PO #: 601053
Client Project #: AES
Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Quality Control Batch: 13954540 Analyst: GLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
1-methyl-Naphthalene	23.2	ug/L	50.0	46.40	7.42-98.60	0.200U
2-methyl-Naphthalene	22.4	ug/L	50.0	44.80	4.92-97.60	0.200U
Surr:Nitrobenzene-d5	43.5	ug/L	50.0	87.00	0.00-95.80	
Surr:Terphenyl-d14	21.5	ug/L	50.0	43.00	2.08-99.20	
Surr:2-Fluorobiphenyl	32.6	ug/L	50.0	65.20	0.00-95.20	

Quality Control Batch: 10054541 Analyst: EVB

Blank	Result	Units				
Mercury	0.000200U	mg/L				
Laboratory Control Sample						
Mercury	0.00511	mg/L	Spike	%REC	%REC Lim	
			0.00500	102.20	89.00-117.60	
Matrix Spike						
Mercury	0.00511	mg/L	Spike	%REC	%REC Lim	Sample
			0.00500	102.20	74.00-128.00	0.000200U
Matrix Spike Duplicate						
Mercury	0.00511	mg/L	Spike	%REC	%REC Lim	Sample RPD Lim
			0.00500	102.20	74.00-128.00	0.000200U 0.00 16.42



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Pinnacle Laboratories
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Albuquerque, NM 87107

PO #: 601053
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Date Sampled: Jan 3, 2006; 11:35 AM
Jan 17, 2006; Invoice: 7266A06

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	Metals (8) RCRA (Total)	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Ca, Mg, K, Na	Hardness	TOC	Gen Chemistry: TDS, Conductivity	Alkalinity Bicarb / Carb	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310) (8270 SIMS)	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
MW-1 / 1001053-02	1-3-06	1135	GW	7266																						
MW-13 / 1001053-03		1300		67																						
MW-14 / 1001053-04		1334		68																						
MW-15 / 1001053-05		1445		69																						
MW-10 / 1001053-06		1530		7270																						

PROJECT INFORMATION		SAMPLE RECEIPT		RELINQUISHED BY:		RELINQUISHED BY:	
PROJECT #:	1001053	Total Number of Containers		Signature:		Signature:	
PROJ. NAME:	AE5	Chain of Custody Seals		Printed Name:		Printed Name:	
QC LEVEL:	STD. IV	Received Intact?		Date:	1/5/06	Date:	1/5/06
QC REQUIRED:	MS MSD BLANK	Received Good Cond/Cold		Company:	Pinnacle Laboratories, Inc.	Company:	
TAT:	STANDARD RUSH!!	LAB NUMBER:					
DUE DATE: 1/19/06		COMMENTS:		RECEIVED BY:		RECEIVED BY:	
RUSH SURCHARGE:				Signature:		Signature:	
CLIENT DISCOUNT:				Printed Name:		Printed Name:	
SPECIAL CERTIFICATION				Date:		Date:	
REQUIRED: YES (NO)				Company:		Company:	

Thrifty Refinery (#810), Bloomfield, NM

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 12-29-05 PAGE: 1 OF 1

PLV Accession #: 601053

PROJECT MANAGER: Ross Kennemer		ANALYSIS REQUEST	
COMPANY: Animes Environmental Services	ADDRESS: 624 East Comanche	504.1 EDB ☐ DBCP ☐	8260 (TCL) Volatile Organics
PHONE: Farmington, NM 87401	(505) 564-2281	8021 (EDX)	8260 (Full) Volatile Organics ☐ PBMS
FAX: 324-2022		8021 (TCL)	8260 (CUST) Volatile Organics
BILL TO: BioTech Remediation, Inc.		8021 (HALO)	8260 (Landfill) Volatile Organics
COMPANY:		8021 (BTX) ☐ MTBE ☐ MTBE	Pesticides/PCB (608/8081/8082)
ADDRESS:		8021 (BTX)/8015 (Gasoline) MTBE	Herbicides (615/8151)
		(M8015) Gas/Purge & Trap	Base/Neutral/Acid Compounds GC/MS (625/8270)
		(MOD.8015) Diesel/Direct Inject	Polynuclear Aromatics (610/8310) ☐ SIMS
		Petroleum Hydrocarbons (418.1) TPH	General Chemistry: PH, CL, SO ₄ , F, B _r
			Priority Pollutant Metals (13)
			Target Analyte List Metals (23)
			RCRA Metals (8) Total + Hardness
			RCRA Metals by TCLP (Method 1311)
			Metals: Dissolved: Ca, Mg, K, Na
			EC, TDS, Aik-6000
			NUMBER OF CONTAINERS

SHADED AREAS ARE FOR LAB USE ONLY

PLEASE FILL THIS FORM IN COMPLETELY.

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.		RELINQUISHED BY: 1.	
PROJECT INFORMATION	PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS (NORMAL) ☒	Signature: [Signature]	Time:
PROJ. NO.: Refinery	(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK	Printed Name: [Signature]	Date:
PROJ. NAME: Thrifty #810	CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER	Company: BioTech	Company:
P.O. NO.:	METHANOL PRESERVATION ☐	Signature: [Signature]	Time:
SHIPPED VIA:	METALS ☐ TOTAL ☐ DISSOLVED	Printed Name: [Signature]	Date:
COMMENTS:		Signature: [Signature]	Time:
Did not receive TB. will be sent with a different study. # 115/00		Signature: [Signature]	Time:
SAMPLE RECEIPT		Signature: [Signature]	Time:
NO CONTAINERS	51	Signature: [Signature]	Time:
CUSTODY SEALS	Y/N/N	Signature: [Signature]	Time:
RECEIVED INTACT	YES	Signature: [Signature]	Time:
BLUE/ICE	136	Signature: [Signature]	Time:

PINNACLE LABS

Environmental Testing

Pinnacle Lab ID number 601094
February 13, 2006

ANIMAS ENVIRONMENTAL SERVICES
624 EAST COMMANCHE
FARMINGTON, NM 87401

Project Name THRIFTWAY #810
Project Number REFINERY

Attention: ROSS KENNEMER/MIKE BEAUPARLANT

On 01/06/06 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Due to the matrix the Bromide could not be analyzed any more concentrated than a 10X dilution. Additionally, QC failure is attributed to the matrix.

EPA method 150.1 (pH), 8015/8021 and Bromide analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

All remaining analyses were performed by Flowers Chemical Laboratories, Inc. Altamonte Springs, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE ID : 601094
 PROJECT # : REFINERY DATE RECEIVED : 01/06/06
 PROJECT NAME : THRIFTWAY #810 REPORT DATE : 02/13/06

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
601094 - 01	MW-9	AQUEOUS	01/04/06
601094 - 02	MW-8	AQUEOUS	01/04/06
601094 - 03	MW-22	AQUEOUS	01/04/06
601094 - 04	MW-21	AQUEOUS	01/04/06
601094 - 05	MW-20	AQUEOUS	01/04/06
601094 - 06	MW-7	AQUEOUS	01/04/06
601094 - 07	MW-6	AQUEOUS	01/04/06
601094 - 08	MW-4	AQUEOUS	01/04/06
601094 - 09	MW-19	AQUEOUS	01/04/06
601094 - 10	MW-18	AQUEOUS	01/04/06

GENERAL CHEMISTRY RESULTS

CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 601094
PROJECT # : REFINERY DATE RECEIVED : 01/06/06
PROJECT NAME : THRIFTWAY #810 ANALYST : DSR

SAMPLE	DATE	DATE
ID. #	SAMPLED	ANALYZED
01	01/04/06	01/06/06
02	01/04/06	01/06/06
03	01/04/06	01/06/06

PARAMETER	UNITS	MW-9	MW-8	MW-22
PH (150.1)	UNITS	7.8	7.0	7.1

CHEMIST NOTES:
N/A

GENERAL CHEMISTRY RESULTS

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES		PINNACLE I.D.	: 601094
PROJECT #	: REFINERY		DATE RECEIVED	: 01/06/06
PROJECT NAME	: THRIFTWAY #810		ANALYST	: DSR
SAMPLE			DATE	DATE
ID. #	CLIENT I.D.	MATRIX	SAMPLED	ANALYZED
04	MW-21	AQUEOUS	01/04/06	01/06/06
05	MW-20	AQUEOUS	01/04/06	01/06/06
06	MW-7	AQUEOUS	01/04/06	01/06/06
PARAMETER		UNITS	MW-21	MW-20
PH (150.1)		UNITS	7.1	7.0
				7.1

CHEMIST NOTES:
N/A

GENERAL CHEMISTRY RESULTS

CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 601094
PROJECT # : REFINERY DATE RECEIVED : 01/06/06
PROJECT NAME : THRIFTWAY #810 ANALYST : DSR

SAMPLE			DATE	DATE
ID. #	CLIENT I.D.	MATRIX	SAMPLED	ANALYZED
07	MW-6	AQUEOUS	01/04/06	01/06/06
08	MW-4	AQUEOUS	01/04/06	01/06/06
09	MW-19	AQUEOUS	01/04/06	01/06/06

PARAMETER	UNITS	MW-6	MW-4	MW-19
PH (150.1)	UNITS	7.7	7.2	7.4

CHEMIST NOTES:
N/A

GENERAL CHEMISTRY RESULTS

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 601094	
PROJECT #	: REFINERY	DATE RECEIVED	: 01/06/06	
PROJECT NAME	: THRIFTWAY #810	ANALYST	: DSR	
SAMPLE		DATE	DATE	
ID. #	CLIENT I.D.	MATRIX	SAMPLED	ANALYZED
10	MW-18	AQUEOUS	01/04/06	01/06/06
PARAMETER		UNITS	MW-18	
PH (150.1)		UNITS	7.6	

CHEMIST NOTES:
N/A

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 601094
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	DATE ANALYZED	: 01/06/06

PARAMETER	UNITS	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH	UNITS	601094-01	7.82	7.68	2

CHEMIST NOTES:
N/A

% Recovery = $\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$

RPD (Relative Percent Difference) = $\frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$

ION CHROMATOGRAPHY RESULTS

TEST : ANIONS BY EPA 300.0
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601094
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-9	AQUEOUS	01/04/06	NA	01/10/06	10
02	MW-8	AQUEOUS	01/04/06	NA	01/10/06	10
03	MW-22	AQUEOUS	01/04/06	NA	01/10/06	10
PARAMETER	DET. LIMIT	UNITS	MW-9	MW-8	MW-22	
BROMIDE	1.0	MG/L	< 10 - C2	< 10 - C2	< 10 - C2	

CHEMIST NOTES:

C2 = CCV was less than established criteria, results may be biased low.

ION CHROMATOGRAPHY RESULTS

TEST : ANIONS BY EPA 300.0

CLIENT : ANIMAS ENVIRONMENTAL SERVICES

PINNACLE I.D. : 601094

PROJECT # : REFINERY

ANALYST : BP

PROJECT NAME : THRIFTWAY #810

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	
04	MW-21	AQUEOUS	01/04/06	NA	01/11/06	10
05	MW-20	AQUEOUS	01/04/06	NA	01/11/06	10
06	MW-7	AQUEOUS	01/04/06	NA	01/11/06	10
PARAMETER		DET. LIMIT	UNITS	MW-21	MW-20	MW-7
BROMIDE		1.0	MG/L	< 10	< 10	< 10

CHEMIST NOTES:

N/A

ION CHROMATOGRAPHY RESULTS

TEST : ANIONS BY EPA 300.0
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601094
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-6	AQUEOUS	01/04/06	NA	01/11/06	10
08	MW-4	AQUEOUS	01/04/06	NA	01/11/06	10
09	MW-19	AQUEOUS	01/04/06	NA	01/11/06	10
PARAMETER	DET. LIMIT	UNITS	MW-6	MW-4	MW-19	
BROMIDE	1.0	MG/L	< 10	< 10	< 10	

CHEMIST NOTES:
 N/A

ION CHROMATOGRAPHY RESULTS

TEST : ANIONS BY EPA 300.0
CLIENT : ANIMAS ENVIRONMENTAL SERVICES
PROJECT # : REFINERY
PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601094
ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	MW-18	AQUEOUS	01/04/06	NA	01/11/06	10
PARAMETER	DET. LIMIT	UNITS	MW-18			
BROMIDE	1.0	MG/L	< 10			

CHEMIST NOTES:
N/A

PINNACLE I.D. : 601094
 TEST : ANIONS BY EPA 300.0
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

ION CHROMATOGRAPHY RESULTS REAGENT BLANK

BLANK I.D. : 011006 SAMPLE MATRIX : AQUEOUS
 DATE EXTRACTED : N/A ANALYST : BP
 DATE ANALYZED : 01/10/06 UNITS : MG/L

PARAMETER	UNITS
BROMIDE	MG/L <1.0

ION CHROMATOGRAPHY QUALITY CONTROL LFB/LFBD

BATCH I.D. : 011006 SAMPLE MATRIX : AQUEOUS
 DATE EXTRACTED : N/A ANALYST : BP
 DATE ANALYZED : 01/10/06 UNITS : MG/L

PARAMETER	LFB RESULT	CONC SPIKE	SPIKED BLANK	% REC	DUP SPIKE	DUP % REC	RPD	RPD LIMITS	REC LIMITS
BROMIDE	<1.0	10	9.45	95	9.28	93	2	20	(90 - 110)

ION CHROMATOGRAPHY QUALITY CONTROL LFM

SAMPLE I.D. : 601094-01 SAMPLE MATRIX : AQUEOUS
 DATE EXTRACTED : N/A ANALYST : BP
 DATE ANALYZED : 01/11/06 UNITS : MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	REC LIMITS
BROMIDE	<10	100	80.0	80	C2 (80 - 120)

CHEMIST NOTES:

LFM:

C2 = CCV was less than established criteria, results may be biased low.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601094
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-9	AQUEOUS	01/04/06	NA	01/10/06	1
02	MW-8	AQUEOUS	01/04/06	NA	01/10/06	1
03	MW-22	AQUEOUS	01/04/06	NA	01/10/06	1
PARAMETER	DET. LIMIT	UNITS	MW-9	MW-8	MW-22	
FUEL HYDROCARBONS	0.10	MG/L	< 0.10	0.10	< 0.10	
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10	
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE	
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0	
METHYL-t-BUTYL ETHER	2.5	UG/L	< 0.5 - G*	136 - D10	11 - D1	
SURROGATE:						
BROMOFLUOROBENZENE (%)			91	92	97	
SURROGATE LIMITS	(80 - 120)					

CHEMIST NOTES:

G* = Reported from GC-3 data run on 01-16-06.
 D10 = Reported from a 10X dilution run on GC-3 on 01-16-06.
 D1 = Reported from a 1X dilution run on GC-3 on 01-16-06.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601094
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-21	AQUEOUS	01/04/06	NA	01/10/06	1
05	MW-20	AQUEOUS	01/04/06	NA	01/16/06	1
06	MW-7	AQUEOUS	01/04/06	NA	01/16/06	1
PARAMETER	DET. LIMIT	UNITS	MW-21	MW-20	MW-7	
FUEL HYDROCARBONS	0.10	MG/L	< 0.10	0.50	0.16	
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10	
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE	
BENZENE	0.5	UG/L	< 0.5	< 0.5	1.9	
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	1.7	
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	2.1	
METHYL-t-BUTYL ETHER	2.5	UG/L	24 - D5	400 - D50	120	
SURROGATE:						
BROMOFLUOROBENZENE (%)			92	117	99	
SURROGATE LIMITS	(80 - 120)					

CHEMIST NOTES:

D50 = Reported from a 50X dilution run on GC-3 on 01-16-06.
 D5 = Reported from a 5X dilution run on GC-3 on 01-16-06.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601094
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-6	AQUEOUS	01/04/06	NA	01/16/06	1
08	MW-4	AQUEOUS	01/04/06	NA	01/16/06	1
09	MW-19	AQUEOUS	01/04/06	NA	01/16/06	1

PARAMETER	DET. LIMIT	UNITS	MW-6	MW-4	MW-19
FUEL HYDROCARBONS	0.10	MG/L	< 0.10	< 0.10	0.21
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE

BENZENE	0.5	UG/L	< 0.5	0.7	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
METHYL-t-BUTYL ETHER	2.5	UG/L	11	22	260 - D5

SURROGATE:
 BROMOFLUOROBENZENE (%) 95 106 108
 SURROGATE LIMITS (80 - 120)

CHEMIST NOTES:

D5 = Reported from a 5X dilution run on GC-2 on 01-16-06.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601094
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	MW-18	AQUEOUS	01/04/06	NA	01/16/06	1

PARAMETER	DET. LIMIT	UNITS	MW-18
FUEL HYDROCARBONS	0.10	MG/L	0.10
HYDROCARBON RANGE			C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE
BENZENE	0.5	UG/L	0.7
TOLUENE	0.5	UG/L	1.3
ETHYLBENZENE	0.5	UG/L	0.6
TOTAL XYLENES	2.0	UG/L	2.7
METHYL-t-BUTYL ETHER	2.5	UG/L	47

SURROGATE:
 BROMOFLUOROBENZENE (%) 104
 SURROGATE LIMITS (80 - 120)

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 601094
BLANK I.D.	: 011006	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/10/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	ANALYST	: BP

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		96
SURROGATE LIMITS (80 - 120)		

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 601094
BLANK I.D.	: 011606	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	ANALYST	: BP

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		97
SURROGATE LIMITS	(80 - 120)	

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B	PINNACLE I.D.	: 601094
BLANK I.D.	: 011606	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
METHYL-t-BUTYL ETHER	UG/L	<0.5

SURROGATE:
TRIFLUOROTOLUENE (%) 103
SURROGATE LIMITS (70 - 130)

CHEMIST NOTES:
This Reagent Blank was run on GC-3.

GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 601094
BATCH #	: 011006	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/10/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	0.998	100	0.991	99	1	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 601094
BATCH #	: 011606	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.00	100	0.966	97	3	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601094
BATCH #	: 011006	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/10/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	21.0	105	20.7	104	1	(80 - 120)	20
TOLUENE	<0.5	20.0	20.4	102	20.2	101	1	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.4	102	20.3	102	0	(80 - 120)	20
TOTAL XYLENES	<2.0	60.0	61.5	103	61.1	102	1	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	18.1	91	18.1	91	0	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601094
BATCH #	: 011606	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	21.3	107	20.6	103	3	(80 - 120)	20
TOLUENE	<0.5	20.0	20.6	103	19.9	100	3	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	21.5	108	20.5	103	5	(80 - 120)	20
TOTAL XYLENES	<2.0	60.0	64.1	107	61.4	102	4	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	20.3	102	18.7	94	8	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601094
BATCH #	: 011606	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	10.0	10.0	100	9.88	99	1	(80 - 120)	20
TOLUENE	<0.5	10.0	9.50	95	9.39	94	1	(80 - 120)	20
ETHYLBENZENE	<0.5	10.0	9.72	97	9.55	96	2	(80 - 120)	20
TOTAL XYLENES	<2.0	30.0	30.1	100	29.6	99	2	(80 - 120)	20
METHYL-t-BUTYL ETHER	<0.5	10.0	9.90	99	9.91	99	0	(70 - 133)	20

CHEMIST NOTES:

This LCS/LCSD was run on GC-3.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 601094
MSMSD #	: 601094-07	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.02	102	1.02	102	0	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601094
MSMSD #	: 601094-07	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/17/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	20.8	104	20.1	101	3	(80 - 120)	20
TOLUENE	<0.5	20.0	20.3	102	19.7	99	3	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	21.0	105	20.4	102	3	(80 - 120)	20
TOTAL XYLENES	<2.0	60.0	62.6	104	61.0	102	3	(80 - 120)	20
METHYL-t-BUTYL ETHER	11	20.0	27.9	85-C2	30.8	99-C2	10	(70 - 133)	20

CHEMIST NOTES:

C2 = Closing CCV was less than established criteria, results may be biased low.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601094
MSMSD #	: 601053-03	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	10.0	9.97	100	10.3	103	3	(80 - 120)	20
TOLUENE	<0.5	10.0	9.58	96	9.81	98	2	(80 - 120)	20
ETHYLBENZENE	<0.5	10.0	9.70	97	9.94	99	2	(80 - 120)	20
TOTAL XYLENES	<2.0	30.0	30.1	100	30.9	103	3	(80 - 120)	20
METHYL-t-BUTYL ETHER	<0.5	10.0	10.1	101	10.5	105	4	(70 - 133)	20

CHEMIST NOTES:

This MS/MSD was run on GC-3.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601094
 ANALYST : DSR

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-9	AQUEOUS	01/04/06	01/10/06	01/11/06	1
02	MW-8	AQUEOUS	01/04/06	01/10/06	01/11/06	1
03	MW-22	AQUEOUS	01/04/06	01/10/06	01/11/06	1

PARAMETER	DET. LIMIT	UNITS	MW-9	MW-8	MW-22
FUEL HYDROCARBONS, C6-C10	2.0	MG/L	< 2.0	< 2.0	< 2.0
FUEL HYDROCARBONS, C10-C22	1.0	MG/L	< 1.0	< 1.0	< 1.0
FUEL HYDROCARBONS, C22-C36	1.0	MG/L	< 1.0	< 1.0	< 1.0
CALCULATED SUM:					

SURROGATE:
 O-TERPHENYL (%) 89 89 92
 SURROGATE LIMITS (70-130)

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601094
 ANALYST : DSR

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	
04	MW-21	AQUEOUS	01/04/06	01/10/06	01/11/06	1
05	MW-20	AQUEOUS	01/04/06	01/10/06	01/11/06	1
06	MW-7	AQUEOUS	01/04/06	01/10/06	01/11/06	1

PARAMETER	DET. LIMIT	UNITS	MW-21	MW-20	MW-7
FUEL HYDROCARBONS, C6-C10	2.0	MG/L	< 2.0	< 2.0	< 2.0
FUEL HYDROCARBONS, C10-C22	1.0	MG/L	< 1.0	< 1.0	< 1.0
FUEL HYDROCARBONS, C22-C36	1.0	MG/L	< 1.0	< 1.0	< 1.0

CALCULATED SUM:

SURROGATE:
 O-TERPHENYL (%) 94 91 95
 SURROGATE LIMITS (70-130)

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601094
 ANALYST : DSR

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-6	AQUEOUS	01/04/06	01/10/06	01/11/06	1
08	MW-4	AQUEOUS	01/04/06	01/10/06	01/11/06	1
09	MW-19	AQUEOUS	01/04/06	01/10/06	01/11/06	1

PARAMETER	DET. LIMIT	UNITS	MW-6	MW-4	MW-19
FUEL HYDROCARBONS, C6-C10	2.0	MG/L	< 2.0	< 2.0	< 2.0
FUEL HYDROCARBONS, C10-C22	1.0	MG/L	< 1.0	< 1.0	< 1.0
FUEL HYDROCARBONS, C22-C36	1.0	MG/L	< 1.0	< 1.0	< 1.0
CALCULATED SUM:					

SURROGATE:
 O-TERPHENYL (%) 89 94 98
 SURROGATE LIMITS (70-130)

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS

TEST : EP
BLANK I.D. : 01
CLIENT : AN
PROJECT # : RE
PROJECT NAME : TH
PARAMETER
FUEL HYDROCARBONS, C6-C10
FUEL HYDROCARBONS, C10-C22
FUEL HYDROCARBONS, C22-C36
SURROGATE:
O-TERPHENYL (%)
SURROGATE LIMITS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : ANIMAS ENVIRONMENTAL SERVICES
PROJECT # : REFINERY
PROJECT NAME : THRIFTWAY #810
PINNACLE ANAL

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
10	MW-18	AQUEOUS	01/04/06	01/10/06	01/11/06
PARAMETER	DET. LIMIT	UNITS	MW-18		
FUEL HYDROCARBONS, C6-C10	2.0	MG/L	< 2.0		
FUEL HYDROCARBONS, C10-C22	1.0	MG/L	< 1.0		
FUEL HYDROCARBONS, C22-C36	1.0	MG/L	< 1.0		
CALCULATED SUM:					
SURROGATE: O-TERPHENYL (%)			95		
SURROGATE LIMITS			(70-130)		

CHEMIST NOTES:
N/A

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY RESULTS
EXTRACTION BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 601094
BLANK I.D.	: 011006	DATE EXTRACTED	: 01/10/06
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/11/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	ANALYST	: DSR

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/L	< 2.0
FUEL HYDROCARBONS, C10-C22	MG/L	< 1.0
FUEL HYDROCARBONS, C22-C36	MG/L	< 1.0

SURROGATE:

O-TERPHENYL (%)

92

SURROGATE LIMITS (70-130)

CHEMIST NOTES:

N/A

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

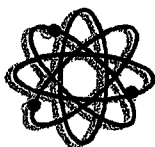
TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 601094
LCS/LCSD #	: 011006	DATE EXTRACTED	: 01/10/06
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/11/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	:

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<1.0	33.0	35.5	108	35.5	108	0	(70-130)	20

CHEMIST NOTES:
N/A

% Recovery = $\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$

RPD (Relative Percent Difference) = $\frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Feb 1, 2006; Invoice: 7462B06

Report Summary

Date Received: Jan 24, 2006

FCL Project Manager: June S. Flowers

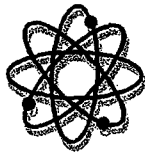
Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
7462	601094-01	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7463	601094-02	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7464	601094-03	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7465	601094-04	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7466	601094-05	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7467	601094-06	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7468	601094-07	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7469	601094-08	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7470	601094-09	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7471	601094-10	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Albuquerque, NM 87107

PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Feb 1, 2006; Invoice: 7462B06

Analysis Report

Lab #: 7462 Desc: 601094-01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	3800	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.867	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	175	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06

Lab #: 7463 Desc: 601094-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	2520	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.386	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	230	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06

Lab #: 7464 Desc: 601094-03

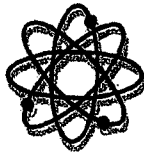
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	6430	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.356	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	338	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06

Lab #: 7465 Desc: 601094-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	5690	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.445	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	513	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06

Lab #: 7466 Desc: 601094-05

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	2550	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.509	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	277	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06



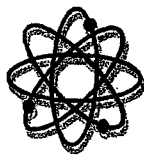
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Date Sampled: Jan 4, 2006; 10:04 AM
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Lab # 7467 Desc: 601094-06									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	2450	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.411	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	488	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06
Lab # 7468 Desc: 601094-07									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	1830	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.427	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	131	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06
Lab # 7469 Desc: 601094-08									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	1400	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.401	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	143	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06
Lab # 7470 Desc: 601094-09									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	2460	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.333	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	178	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06
Lab # 7471 Desc: 601094-10									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	1980	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.435	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	265	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06



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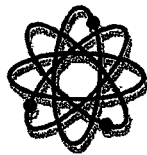
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Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
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Quality Report

Quality Control Batch: 10055165		Analyst: JGK	
Blank Sulfate	Result	5.00U	Units mg/L
Laboratory Control Sample Sulfate	Result	19.5	Units mg/L
	Spike	20.0	%REC 97.50 %REC Lim 76.00-122.50
Matrix Spike Sulfate	Result	81.2	Units mg/L
	Spike	50.0	%REC 162.40 %REC Lim 42.40-147.20 Sample 5.00U
Matrix Spike Duplicate Sulfate	Result	81.4	Units mg/L
	Spike	50.0	%REC 162.80 %REC Lim 42.40-147.20 Sample 5.00U RPD 0.25 RPD Lim 32.60
Quality Control Batch: 10055166		Analyst: PCW	
Blank Fluoride	Result	0.0500U	Units mg/L
Laboratory Control Sample Fluoride	Result	2.17	Units mg/L
	Spike	2.00	%REC 108.50 %REC Lim 90.00-113.00
Matrix Spike Fluoride	Result	2.92	Units mg/L
	Spike	2.00	%REC 98.45 %REC Lim 62.01-135.89 Sample 0.951
Matrix Spike Duplicate Fluoride	Result	2.90	Units mg/L
	Spike	2.00	%REC 97.45 %REC Lim 62.01-135.89 Sample 0.951 RPD 0.69 RPD Lim 26.20
Quality Control Batch: 10055167		Analyst: JGK	
Blank Chloride	Result	0.641	Units mg/L



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PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Feb 1, 2006; Invoice: 7462B06

Quality Control Batch: 10055167 Analyst: JGK

Laboratory Control Sample
Chloride

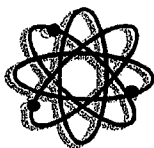
Result	Units	Spike	%REC	%REC Lim
18.7	mg/L	20.0	93.50	88.50-116.00

Matrix Spike
Chloride

Result	Units	Spike	%REC	%REC Lim	Sample
68.7	mg/L	50.0	101.40	71.91-125.15	18.0

Matrix Spike Duplicate
Chloride

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
67.8	mg/L	50.0	99.60	71.91-125.15	18.0	1.32	13.84



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Pinnacle Laboratories
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PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
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Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Albuquerque, NM 87107

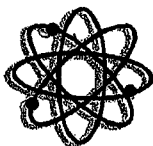
PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Report Summary

Date Received: Jan 9, 2006

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
7284	MW-9/601094-01	EPA120.1	LCC	Main Lab	Ground Water
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
7285	MW-8/601094-02	EPA8270	CLS	Main Lab	Ground Water
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
7286	MW-22/601094-03	EPA7470	EVB	Main Lab	Ground Water
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
7287	MW-21/601094-04	EPA6020	EVB	Main Lab	Ground Water
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
7288	MW-20/601094-05	EPA6010	EVB	Main Lab	Ground Water
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	



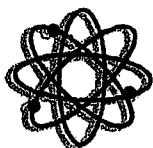
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Jan 17, 2006; Invoice: 7284A06

7289	MW-7/601094-06	EPA6020	EVB	Main Lab	Ground Water
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
7290	MW-6/601094-07	EPA6010	EVB	Main Lab	Ground Water
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
7291	MW-4/601094-08	EPA3520	CDG	Main Lab	Ground Water
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
7292	MW-19/601094-09	EPA310.1	LCC	Main Lab	Ground Water
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
7293	MW-18/601094-10	EPA160.1	JME	Main Lab	Ground Water
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	



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EPA8270

CLS

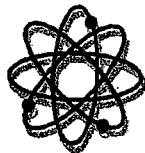
Main Lab

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Analysis Report

Lab #: 7284

Date: MW 9/601094-01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium, Dissolved	456	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Magnesium, Dissolved	78.1	mg/L	1.00	0.0100		10054348	EPA6010		01/10/06
Potassium, Dissolved	13.1	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Sodium, Dissolved	1840	mg/L	1.00	0.500		10054348	EPA6010		01/10/06
Arsenic	0.00378	mg/L	1.00	0.00100		10054349	EPA6020	7440-38-2	01/09/06
Barium	0.0359	mg/L	1.00	0.00200		10054349	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-43-9	01/09/06
Chromium	0.00722	mg/L	1.00	0.00100		10054349	EPA6020	7440-47-3	01/09/06
Lead	0.00178	mg/L	1.00	0.00100		10054349	EPA6020	7439-92-1	01/09/06
Selenium	0.00811	mg/L	1.00	0.00200		10054349	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-22-4	01/09/06
TDS	5770	mg/L	1.00	2.50		10054470	EPA160.1	10-33-3	01/09/06
Total Hardness CaCO3	1500	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	277	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	276	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	8100	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
1-methyl-l-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-l-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzol(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Albuquerque, NM 87107

PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Lab #: 7284 Desc: MW 9601994-01									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	55.00%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	89.80%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	48.80%		1.00	1.00		10054540	EPA8270		01/16/06
Carbonate Alkalinity	1.14	mg/L	1.00	1.00		10054540	EPA8270		01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520	3812-32-6	01/16/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/09/06

Lab #: 7285 Desc: MW 9601994-02									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium, Dissolved	545	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Magnesium, Dissolved	78.1	mg/L	1.00	0.0100		10054348	EPA6010		01/10/06
Potassium, Dissolved	16.7	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Sodium, Dissolved	993	mg/L	1.00	0.500		10054348	EPA6010		01/10/06
Arsenic	0.0182	mg/L	1.00	0.00100		10054349	EPA6020	7440-38-2	01/09/06
Barium	0.0416	mg/L	1.00	0.00200		10054349	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-43-9	01/09/06
Chromium	0.0137	mg/L	1.00	0.00100		10054349	EPA6020	7440-47-3	01/09/06
Lead	0.00478	mg/L	1.00	0.00100		10054349	EPA6020	7439-92-1	01/09/06
Selenium	0.00656	mg/L	1.00	0.00200		10054349	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-22-4	01/09/06
TDS	4180	mg/L	1.00	2.50		10054470	EPA160.1	10-33-3	01/09/06
Total Hardness CaCO3	1960	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06



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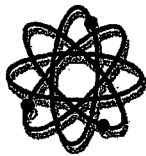
Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Lab #: 7285

Desc: MW-8601094-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Total Alkalinity CaCO3	444	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	444	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	5690	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	51.00%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	72.40%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	54.40%		1.00	1.00		10054540	EPA8270		01/16/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06



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Albuquerque, NM 87107

PO #: 601094

Client Project #: AES

Date Sampled: Jan 4, 2006; 10:04 AM

Jan 17, 2006; Invoice: 7284A06

Lab #: 7286

Date: MW 22/601094-03

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium, Dissolved	465	mg/L	1.00	0.100		10054348	EPA8010		01/10/06
Magnesium, Dissolved	98.3	mg/L	1.00	0.0100		10054348	EPA6010		01/10/06
Potassium, Dissolved	16.0	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Sodium, Dissolved	2960	mg/L	1.00	0.500		10054348	EPA6010		01/10/06
Arsenic	0.0154	mg/L	1.00	0.00100		10054349	EPA6020	7440-38-2	01/09/06
Barium	0.186	mg/L	1.00	0.00200		10054349	EPA6020	7440-39-3	01/09/06
Cadmium	0.00356	mg/L	1.00	0.00100		10054349	EPA6020	7440-43-9	01/09/06
Chromium	0.0221	mg/L	1.00	0.00100		10054349	EPA6020	7440-47-3	01/09/06
Lead	0.746	mg/L	1.00	0.00100		10054349	EPA6020	7439-92-1	01/09/06
Selenium	0.00200 U	mg/L	1.00	0.00200		10054349	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-22-4	01/09/06
TDS	9710	mg/L	1.00	2.50		10054470	EPA160.1	10-33-3	01/09/06
Total Hardness CaCO3	4160	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	359	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	359	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	12400	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL016 KYUSTP: 0007



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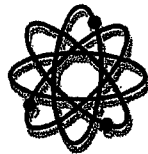
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Albuquerque, NM 87107

PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Lab #: 7286 Desc: MW-21/601094-03									
Parameter	Result	Units	DF	MDL	POL	QC Batch	Method	CAS #	Analyzed
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	49.20%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	72.80%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	49.80%		1.00	1.00		10054540	EPA8270		01/16/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	920	ml	1.00	1.00		10054543	EPA3520		01/09/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06

Lab #: 7287 Desc: MW-21/601094-04									
Parameter	Result	Units	DF	MDL	POL	QC Batch	Method	CAS #	Analyzed
Calcium, Dissolved	451	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Magnesium, Dissolved	101	mg/L	1.00	0.0100		10054348	EPA6010		01/10/06
Potassium, Dissolved	16.1	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Sodium, Dissolved	2410	mg/L	1.00	0.500		10054348	EPA6010		01/10/06
Arsenic	0.0461	mg/L	1.00	0.00100		10054349	EPA6020	7440-38-2	01/09/06
Barium	0.0530	mg/L	1.00	0.00200		10054349	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-43-9	01/09/06
Chromium	0.0134	mg/L	1.00	0.00100		10054349	EPA6020	7440-47-3	01/09/06
Lead	0.00933	mg/L	1.00	0.00100		10054349	EPA6020	7439-92-1	01/09/06
Selenium	0.0251	mg/L	1.00	0.00200		10054349	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-22-4	01/09/06
TDS	7870	mg/L	1.00	2.50		10054470	EPA160.1	10-33-3	01/09/06
Total Hardness CaCO3	3900	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	421	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	420	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06



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Pinnacle Laboratories
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Albuquerque, NM 87107

PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Lab #: 7287

Desc: MW-2 / 601094-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Specific_Conductance	10500	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95 %)	30.80%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95 %)	44.80%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99 %)	70.20%		1.00	1.00		10054540	EPA8270		01/16/06
Carbonate Alkalinity	1.03	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06

Lab #: 7288

Desc: MW-20/601094-06

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium, Dissolved	574	mg/L	1.00	0.100		10054348	EPA6010		01/10/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Albuquerque, NM 87107

PO #: 601094

Client Project #: AES

Date Sampled: Jan 4, 2006; 10:04 AM

Jan 17, 2006; Invoice: 7284A06

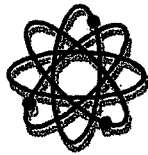
Lab #: 7288 Desc: MW-20/601094-05

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Magnesium, Dissolved	83.9	mg/L	1.00	0.0100		10054348	EPA6010		01/10/06
Potassium, Dissolved	14.6	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Sodium, Dissolved	1050	mg/L	1.00	0.500		10054348	EPA6010		01/10/06
Arsenic	0.0160	mg/L	1.00	0.00100		10054349	EPA6020	7440-38-2	01/09/06
Barium	0.0606	mg/L	1.00	0.00200		10054349	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-43-9	01/09/06
Chromium	0.0232	mg/L	1.00	0.00100		10054349	EPA6020	7440-47-3	01/09/06
Lead	0.00422	mg/L	1.00	0.00100		10054349	EPA6020	7439-92-1	01/09/06
Selenium	0.00978	mg/L	1.00	0.00200		10054349	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-22-4	01/09/06
TDS	4240	mg/L	1.00	2.50		10054470	EPA160.1	10-33-3	01/09/06
Total Hardness CaCO3	1850	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	680	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	679	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	5860	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	909-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.330	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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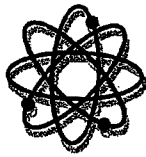
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Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
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Lab #	7288	Desc	MW-201601094-05	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter												
Indeno(1,2,3-cd)pyrene				0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene				0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene				0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene				0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)				40.80%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)				59.00%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)				57.60%		1.00	1.00		10054540	EPA8270		01/16/06
Carbonate Alkalinity				1.06	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction				1000	ml	1.00	1.00		10054543	EPA3520		01/09/06
Mercury				0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06

Lab #	7289	Desc	MW-201601094-06	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter												
Calcium, Dissolved				459	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Magnesium, Dissolved				69.3	mg/L	1.00	0.0100		10054348	EPA6010		01/10/06
Potassium, Dissolved				16.1	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Sodium, Dissolved				1140	mg/L	1.00	0.500		10054348	EPA6010		01/10/06
Arsenic				0.314	mg/L	1.00	0.00100		10054349	EPA6020	7440-38-2	01/09/06
Barium				3.16	mg/L	1.00	0.00200		10054349	EPA6020	7440-39-3	01/09/06
Cadmium				0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-43-9	01/09/06
Chromium				0.0352	mg/L	1.00	0.00100		10054349	EPA6020	7440-47-3	01/09/06
Lead				0.0442	mg/L	1.00	0.00100		10054349	EPA6020	7439-92-1	01/09/06
Selenium				0.0139	mg/L	1.00	0.00200		10054349	EPA6020	7782-49-2	01/09/06
Silver				0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-22-4	01/09/06
TDS				4200	mg/L	1.00	2.50		10054470	EPA160.1	10-33-3	01/09/06
Total Hardness CaCO3				3350	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3				647	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity				647	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific_Conductance				5740	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06



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Lab #: 7289

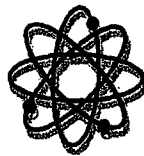
Desc: MW-6/601094-07

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	38.00%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	50.80%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	34.80%		1.00	1.00		10054540	EPA8270		01/16/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06

Lab #: 7290

Desc: MW-6/601094-07

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium, Dissolved	211	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Magnesium, Dissolved	36.8	mg/L	1.00	0.0100		10054348	EPA6010		01/10/06



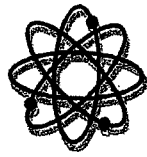
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Albuquerque, NM 87107

PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Lab #	7290	Desc	MW-6/631094-07	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter												
Potassium, Dissolved	12.2	mg/L	1.00	0.100					10054348	EPA6010		01/10/06
Sodium, Dissolved	1030	mg/L	1.00	0.500					10054348	EPA6010		01/10/06
Arsenic	0.00144	mg/L	1.00	0.00100					10054349	EPA6020	7440-38-2	01/09/06
Barium	0.0281	mg/L	1.00	0.00200					10054349	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100					10054349	EPA6020	7440-43-9	01/09/06
Chromium	0.0147	mg/L	1.00	0.00100					10054349	EPA6020	7440-47-3	01/09/06
Lead	0.00100 U	mg/L	1.00	0.00100					10054349	EPA6020	7439-92-1	01/09/06
Selenium	0.0226	mg/L	1.00	0.00200					10054349	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100					10054349	EPA6020	7440-22-4	01/09/06
TDS	3110	mg/L	1.00	2.50					10054470	EPA160.1	10-33-3	01/09/06
Total Hardness CaCO3	1050	mg/L	1.00	1.00					10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	488	mg/L	1.00	1.00					10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	486	mg/L	1.00	1.00					10054537	EPA310.1		01/16/06
Specific Conductance	4750	umhos/cm	1.00	2.00					10054538	EPA120.1	10-34-4	01/12/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200					10054540	EPA8270	193-39-5	01/16/06



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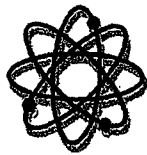
PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Lab #: 7290 Desc: MW-6, 601094-07

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	48.40%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	70.00%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	62.60%		1.00	1.00		10054540	EPA8270		01/16/06
Carbonate Alkalinity	1.82	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06

Lab #: 7291 Desc: MW-4, 601094-08

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium, Dissolved	368	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Magnesium, Dissolved	40.7	mg/L	1.00	0.0100		10054348	EPA6010		01/10/06
Potassium, Dissolved	12.3	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Sodium, Dissolved	620	mg/L	1.00	0.500		10054348	EPA6010		01/10/06
Arsenic	0.0449	mg/L	1.00	0.00100		10054349	EPA6020	7440-38-2	01/09/06
Barium	0.224	mg/L	1.00	0.00200		10054349	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-43-9	01/09/06
Chromium	0.0168	mg/L	1.00	0.00100		10054349	EPA6020	7440-47-3	01/09/06
Lead	0.00911	mg/L	1.00	0.00100		10054349	EPA6020	7439-92-1	01/09/06
Selenium	0.0161	mg/L	1.00	0.00200		10054349	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-22-4	01/09/06
TDS	2700	mg/L	1.00	2.50		10054470	EPA160.1	10-33-3	01/09/06
Total Hardness CaCO3	2120	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	462	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	460	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	3830	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06



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PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Lab #: 7291

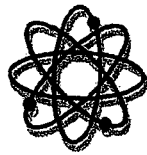
Desc: MW-4/601094-08

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	60.80%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	86.80%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	50.40%		1.00	1.00		10054540	EPA8270		01/16/06
Carbonate Alkalinity	1.17	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06

Lab #: 7292

Desc: MW-19/601094-09

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium, Dissolved	404	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Magnesium, Dissolved	69.9	mg/L	1.00	0.0100		10054348	EPA6010		01/10/06
Potassium, Dissolved	9.35	mg/L	1.00	0.100		10054348	EPA6010		01/10/06



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Date Sampled: Jan 4, 2006; 10:04 AM

Jan 17, 2006; Invoice: 7284A06

Lab #: 7292

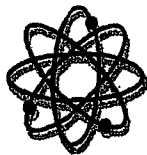
Desc: MW 9601094-09

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sodium, Dissolved	957	mg/L	1.00	0.500		10054348	EPA6010		01/10/06
Arsenic	0.0194	mg/L	1.00	0.00100		10054349	EPA6020	7440-38-2	01/09/06
Barium	0.164	mg/L	1.00	0.00200		10054349	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-43-9	01/09/06
Chromium	0.0233	mg/L	1.00	0.00100		10054349	EPA6020	7440-47-3	01/09/06
Lead	0.0120	mg/L	1.00	0.00100		10054349	EPA6020	7439-92-1	01/09/06
Selenium	0.0174	mg/L	1.00	0.00200		10054349	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-22-4	01/09/06
TDS	3910	mg/L	1.00	2.50		10054470	EPA160.1	10-33-3	01/09/06
Total Hardness CaCO3	2710	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	1.00 U	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	5470	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FLO15 KYUSTP: 0007



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PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Lab #: 7292

Desc: MW-19/601094-09

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	72.80%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	106.60%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	36.20%		1.00	1.00		10054540	EPA8270		01/16/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06

Lab #: 7293

Desc: MW-18/601094-10

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium, Dissolved	196	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Magnesium, Dissolved	86.2	mg/L	1.00	0.0100		10054348	EPA6010		01/10/06
Potassium, Dissolved	12.0	mg/L	1.00	0.100		10054348	EPA6010		01/10/06
Sodium, Dissolved	1310	mg/L	1.00	0.500		10054348	EPA6010		01/10/06
Arsenic	0.0944	mg/L	1.00	0.00100		10054349	EPA6020	7440-38-2	01/09/06
Barium	0.0611	mg/L	1.00	0.00200		10054349	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-43-9	01/09/06
Chromium	0.0173	mg/L	1.00	0.00100		10054349	EPA6020	7440-47-3	01/09/06
Lead	0.00656	mg/L	1.00	0.00100		10054349	EPA6020	7439-92-1	01/09/06
Selenium	0.0180	mg/L	1.00	0.00200		10054349	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054349	EPA6020	7440-22-4	01/09/06
TDS	3860	mg/L	1.00	2.50		10054470	EPA160.1	10-33-3	01/09/06
Total Hardness CaCO3	960	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Total Alkalinity CaCO3	1.00 U	mg/L	1.00	1.00		10054514	EPA310.1	T-005	01/16/06
Bicarbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054537	EPA310.1		01/16/06
Specific Conductance	5610	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	090-12-0	01/16/06
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-57-6	01/16/06



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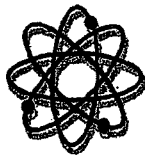
Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Lab #: 7293

Desc: MW: 18, 601094-10

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Acenaphthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	83-32-9	01/16/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	208-96-8	01/16/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	120-12-7	01/16/06
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	56-55-3	01/16/06
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	50-32-8	01/16/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	205-99-2	01/16/06
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	191-24-2	01/16/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	207-08-9	01/16/06
Chrysene	0.600	ug/L	1.00	0.200		10054540	EPA8270	218-01-9	01/16/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	53-70-3	01/16/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	206-44-0	01/16/06
Fluorene	0.400	ug/L	1.00	0.200		10054540	EPA8270	86-73-7	01/16/06
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	193-39-5	01/16/06
Naphthalene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	91-20-3	01/16/06
Phenanthrene	0.200 U	ug/L	1.00	0.200		10054540	EPA8270	85-01-8	01/16/06
Pyrene	0.900	ug/L	1.00	0.200		10054540	EPA8270	129-00-0	01/16/06
Surr:2-Fluorobiphenyl (0-95%)	37.40%		1.00	1.00		10054540	EPA8270	321-60-8	01/16/06
Surr:Nitrobenzene-d5 (0-95%)	84.40%		1.00	1.00		10054540	EPA8270		01/16/06
Surr:Terphenyl-d14 (2-99%)	27.40%		1.00	1.00		10054540	EPA8270		01/16/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054542	EPA310.1	3812-32-6	01/16/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054543	EPA3520		01/09/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06



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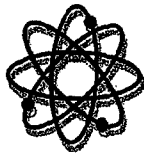
Quality Report

Quality Control Batch: 10054349		Analyst: EYB	
Blank	Result	Units	
Calcium, Dissolved	0.100U	mg/L	
Magnesium, Dissolved	0.0100U	mg/L	
Potassium, Dissolved	0.100U	mg/L	
Sodium, Dissolved	0.500U	mg/L	
Laboratory Control Sample			
Calcium, Dissolved	Result	Units	
Magnesium, Dissolved	1.13	mg/L	
Potassium, Dissolved	1.13	mg/L	
Sodium, Dissolved	10.3	mg/L	
	1.08	mg/L	
Matrix Spike			
Calcium, Dissolved	Result	Units	
Magnesium, Dissolved	112	mg/L	
Potassium, Dissolved	22.6	mg/L	
Sodium, Dissolved	149	mg/L	
	62.1	mg/L	
Matrix Spike Duplicate			
Calcium, Dissolved	Result	Units	
Magnesium, Dissolved	109	mg/L	
Potassium, Dissolved	22.1	mg/L	
Sodium, Dissolved	143	mg/L	
	59.2	mg/L	
Quality Control Batch: 10054349		Analyst: EYB	
Blank	Result	Units	
Arsenic	0.00100U	mg/L	
Barium	0.00200U	mg/L	

	%REC	%REC Lim	Sample	RPD	RPD Lim
1.00	113.00	91.60-116.00	105	2.71	16.02
1.00	113.00	99.10-113.00	16.7	2.24	3.32
10.0	103.00	90.90-107.00	139	4.11	20.00
1.00	108.00	79.50-120.00	53.9	4.78	50.36

	%REC	%REC Lim	Sample	RPD	RPD Lim
5.60	125.00	69.53-140.14	105	2.71	16.02
5.60	105.36	100.90-112.56	16.7	2.24	3.32
5.60	178.57	50.00-153.53	139	4.11	20.00
5.60	146.43	5.23-163.53	53.9	4.78	50.36

	%REC	%REC Lim	Sample	RPD	RPD Lim
5.60	71.43	69.53-140.14	105	2.71	16.02
5.60	96.43	100.90-112.56	16.7	2.24	3.32
5.60	71.43	50.00-153.53	139	4.11	20.00
5.60	94.64	5.23-163.53	53.9	4.78	50.36



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Quality Control Batch: 10054349 Analyst: EVB

Blank	Result	Units
Cadmium	0.00100U	mg/L
Chromium	0.00100U	mg/L
Lead	0.00100U	mg/L
Selenium	0.00200U	mg/L
Silver	0.00100U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Arsenic	0.212	mg/L	0.200	106.00	77.00-117.00
Barium	0.203	mg/L	0.200	101.50	82.50-126.50
Cadmium	0.223	mg/L	0.200	111.50	78.50-118.50
Chromium	0.223	mg/L	0.200	111.50	78.00-125.00
Lead	0.225	mg/L	0.200	112.50	81.50-121.50
Selenium	0.221	mg/L	0.200	110.50	74.00-118.50
Silver	0.206	mg/L	0.200	102.50	75.00-123.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Arsenic	0.242	mg/L	0.200	119.33	69.84-146.56	0.00333
Barium	0.741	mg/L	0.200	121.00	70.96-153.08	0.499
Cadmium	0.246	mg/L	0.200	123.00	74.50-138.00	0.00100U
Chromium	0.247	mg/L	0.200	123.50	70.50-151.50	0.00100U
Lead	0.244	mg/L	0.200	122.00	69.00-143.00	0.00100U
Selenium	0.247	mg/L	0.200	123.50	66.00-139.50	0.00200U
Silver	0.183	mg/L	0.200	91.50	36.60-156.00	0.00100U

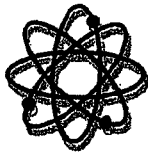
Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Arsenic	0.236	mg/L	0.200	116.33	69.84-146.56	0.00333	2.51	25.10
Barium	0.701	mg/L	0.200	101.00	70.96-153.08	0.499	5.55	23.70
Cadmium	0.233	mg/L	0.200	116.50	74.50-138.00	0.00100U	5.43	20.15
Chromium	0.236	mg/L	0.200	118.00	70.50-151.50	0.00100U	4.55	23.30

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Quality Control Batch: 10054349		Analyst: EVB				
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	RPD
Lead	0.226	mg/L	0.200	113.00	69.00-143.00	7.66
Selenium	0.236	mg/L	0.200	118.00	66.00-139.50	4.55
Silver	0.171	mg/L	0.200	85.50	36.60-156.00	6.78
						RPD Lim
						22.50
						25.35
						38.80

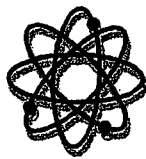
Quality Control Batch: 10054470		Analyst: JME				
Blank	Result	Units				
TDS	2.50U	mg/L				
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim	
TDS	1430	mg/L	1500	95.33	81.33-118.67	

Quality Control Batch: 10054514		Analyst: LCC				
Blank	Result	Units				
Total Alkalinity CaCO3	1.00U	mg/L				
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim	
Total Alkalinity CaCO3	92.1	mg/L	100	92.10	69.20-132.00	

Quality Control Batch: 10054540		Analyst: CJS				
Blank	Result	Units				
Acenaphthene	0.200U	ug/L				
Acenaphthylene	0.200U	ug/L				
Anthracene	0.200U	ug/L				
Benzo(a)anthracene	0.200U	ug/L				



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PO #: 601094
Client Project #: AES
Date Sampled: Jan 4, 2006; 10:04 AM
Jan 17, 2006; Invoice: 7284A06

Quality Control Batch: 10054540 Analyst: GJS

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim	Sample
Fluoranthene	33.8	ug/L	50.0	67.60	26.00-119.20	0.200U
Fluorene	32.7	ug/L	50.0	65.40	11.66-115.40	0.200U
Indeno(1,2,3-cd)pyrene	41.4	ug/L	50.0	82.80	23.80-139.20	0.200U
Naphthalene	29.7	ug/L	50.0	59.40	0.00-101.20	0.200U
Phenanthrene	37.6	ug/L	50.0	75.20	23.00-107.40	0.200U
Pyrene	47.0	ug/L	50.0	94.00	32.60-127.60	0.200U
1-methyl-Naphthalene	26.3	ug/L	50.0	52.60	0.11-101.80	0.200U
2-methyl-Naphthalene	24.1	ug/L	50.0	48.20	0.00-96.60	0.200U
Surr:Nitrobenzene-d5	48.0	ug/L	50.0	96.00	0.79-110.80	0.200U
Surr:Terphenyl-d14	53.1	ug/L	50.0	106.20	27.00-123.40	0.200U
Surr:2-Fluorobiphenyl	35.4	ug/L	50.0	70.80	4.50-108.00	0.200U
Matrix Spike						
Acenaphthene	32.7	ug/L	50.0	%REC	%REC Lim	Sample
Acenaphthylene	26.2	ug/L	50.0	65.40	8.48-106.80	0.200U
Anthracene	27.5	ug/L	50.0	52.40	2.80-106.00	0.200U
Benzo(a)anthracene	22.4	ug/L	50.0	55.00	15.98-113.80	0.200U
Benzo(a)pyrene	17.7	ug/L	50.0	44.80	22.60-120.80	0.200U
Benzo(b)fluoranthene	22.3	ug/L	50.0	35.40	20.40-113.60	0.200U
Benzo(g,h,i)perylene	19.1	ug/L	50.0	44.60	19.48-127.80	0.200U
Benzo(k)fluoranthene	45.0	ug/L	50.0	38.20	19.32-127.00	0.200U
Chrysene	21.8	ug/L	50.0	90.00	16.74-136.00	0.200U
Dibenz(a,h)anthracene	17.5	ug/L	50.0	43.60	21.20-125.80	0.200U
Fluoranthene	25.1	ug/L	50.0	35.00	19.78-134.40	0.200U
Fluorene	28.2	ug/L	50.0	50.20	22.00-113.00	0.200U
Indeno(1,2,3-cd)pyrene	19.3	ug/L	50.0	56.40	9.42-114.80	0.200U
Naphthalene	27.4	ug/L	50.0	38.60	21.20-128.00	0.200U
Phenanthrene	29.2	ug/L	50.0	54.80	10.22-96.60	0.200U
Pyrene	27.3	ug/L	50.0	58.40	17.68-105.60	0.200U



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Quality Control Batch: 10054540

Analyst: GLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
1-methyl-Naphthalene	23.2	ug/L	50.0	46.40	7.42-98.60	0.200U
2-methyl-Naphthalene	22.4	ug/L	50.0	44.80	4.92-97.60	0.200U
Surr:Nitrobenzene-d5	43.5	ug/L	50.0	87.00	0.00-95.80	
Surr:Terphenyl-d14	21.5	ug/L	50.0	43.00	2.08-99.20	
Surr:2-Fluorobiphenyl	32.6	ug/L	50.0	65.20	0.00-95.20	

Quality Control Batch: 10054544

Analyst: EVB

Blank	Result	Units	Spike	%REC	%REC Lim	Sample
Mercury	0.000200U	mg/L	0.00500	99.20	89.00-117.60	
Laboratory Control Sample	0.00496	mg/L				
Mercury						
Matrix Spike	0.00511	mg/L	0.00500	102.20	74.00-128.00	0.000200U
Mercury						
Matrix Spike Duplicate	0.00511	mg/L	0.00500	102.20	74.00-128.00	0.000200U
Mercury						
					RPD	RPD Lim
					0.00	16.42



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PO #: 601094
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Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 1/6/06 Page: 1 of 1

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Ca, Mg, K, Na	Hardness	TOC	Gen Chemistry: TDS, Conductivity	Alkalinity Bicarb / Carb.	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310) (8270 SIMS)	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
MW-9 / 1001094 -01	1-4-06	10:04	GW	7284	X			X	X		X	X							X						
MW-8 / 1001094 -02		10:39		85	X			X	X		X	X							X						
MW-22 / 1001094 -03		11:19		86	X			X	X		X	X							X						
MW-21 / 1001094 -04		11:50		87	X			X	X		X	X							X						
MW-20 / 1001094 -05		12:16		88	X			X	X		X	X							X						
MW-7 / 1001094 -06		13:58		89	X			X	X		X	X							X						
MW-6 / 1001094 -07		14:28		90	X			X	X		X	X							X						
MW-4 / 1001094 -08		14:52		91	X			X	X		X	X							X						
MW-19 / 1001094 -09		15:26		92	X			X	X		X	X							X						
MW-18 / 1001094 -10		15:44		7293	X			X	X		X	X							X						

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY:		RELINQUISHED BY:	
PROJECT #:	601094	Total Number of Containers		PENSACOLA - STL-FL		Signature:		Signature:	
PROJ. NAME:	AES	Chain of Custody Seals		ESL - OR		Printed Name:		Printed Name:	
QC LEVEL:	STD. IV	Received Intact?		ATEL - AZ		Date:		Date:	
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold		ATEL - MARION		Signature:		Signature:	
TAT:	STANDARD RUSH!!	LAB NUMBER:		ATEL - MELMORE		Printed Name:		Printed Name:	
				FOL		RECEIVED BY:		RECEIVED BY:	
				EHL		Signature:		Signature:	
				GEL		Date:		Date:	
				WCAS		Printed Name:		Printed Name:	
				WOHL		Signature:		Signature:	
						Date:		Date:	
						Company		Company	

COMMENTS:

DUE DATE: 1/20/06

RUSH SURCHARGE: —

CLIENT DISCOUNT: —

SPECIAL CERTIFICATION

REQUIRED: YES (NO)

1,900

0700

1/9/06

Thrifting Refinery (#810), Bloomfield, NM

PIVOTAL
LABORATORIES

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: _____ PAGE: _____ OF _____

PLI Accession #

601094

PROJECT MANAGER: Ross Kenner
COMPANY: Armas Environmental Services
ADDRESS: 604 E. Comanche
Farmington, NM 87401
PHONE: (505) 564-2281
FAX: 324-2022
BILL TO: Biotech Remediation, Inc.
COMPANY: _____
ADDRESS: _____

SHADED AREAS ARE FOR LAB USE ONLY

ANALYSIS REQUEST

COMPANY:	Animes Environmental Services			
ADDRESS:	604 E. Comanche Farmington, NM 87401 (505) 564-2281 324-2022			
PHONE:				
FAX:				
BILL TO:	BioTech Remediation, Inc.			
COMPANY:				
ADDRESS:				

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) MTBE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB □/DBCP □	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics □PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8) Total & Individual	RCRA Metals by TCLP (Method 1311)	Metals: Dissolved: Ca, Mg, K, Na	EC, TDS, BIK-Group	NUMBER OF CONTAINERS	
MW-9	1-4-6	1004	H2O	01		X		X														X			X				X		X
MW-8	1-4-6	1039		02		X		X														X			X				X		X
MW-22	1-4-6	1119		03		X		X														X			X				X		X
MW-21	1-4-6	1150		04		X		X														X			X				X		X
MW-20	1-4-6	1216		05		X		X														X			X				X		X
MW-7	1-4-6	1358		06		X		X														X			X				X		X
MW-6	1-4-6	1428		07		X		X														X			X				X		X
MW-4	1-4-6	1457		08		X		X														X			X				X		X
MW-19	1-4-6	1526		09		X		X														X			X				X		X
MW-18	1-4-6	1644	✓	10		X		X														X			X				X		X

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS (NORMAL) ☒		RELINQUISHED BY: 1. Signature: <u>Dr. Zander</u> Time: _____		RELINQUISHED BY: 2. Signature: _____ Time: _____	
PROJ. NO.: <u>Refinery</u>	(RUSH) □ 24hr □ 48hr □ 72hr □ 1 WEEK	CERTIFICATION REQUIRED □ NM □ SDWA □ AZ □ OTHER	METHANOL PRESERVATION □	Signature: <u>W. Beaudry</u>	Printed Name: _____	Signature: _____	Printed Name: _____
PROJ. NAME: <u>Thrifting # 810</u>	METALS □ TOTAL □ DISSOLVED		See Reverse side (For Major)	Signature: _____	Printed Name: _____	Signature: _____	Printed Name: _____
P.O. NO.:	COMMENTS: <u>MW-8 - Diss. Metals to be Filtered</u>		Company: _____	Signature: _____	Printed Name: _____	Signature: _____	Printed Name: _____
SHIPPED VIA:	NO CONTAINERS <u>50</u>		Company: _____	Signature: _____	Printed Name: _____	Signature: _____	Printed Name: _____
CUSTODY/SEALS <u>Y/N</u>		RECEIVED INTACT <u>YES</u>	Company: _____	Signature: _____	Printed Name: _____	Signature: _____	Printed Name: _____
DATE/CEG <u>3/8/06</u>		Company: _____	Company: _____	Signature: _____	Printed Name: _____	Signature: _____	Printed Name: _____

PLEASE FILL THIS FORM IN COMPLETELY.

PINNACLE LABS

Environmental Testing

Pinnacle Lab ID number 601096
February 13, 2006

ANIMAS ENVIRONMENTAL SERVICES
624 EAST COMMANCHE
FARMINGTON, NM 87401

Project Name THRIFTWAY #810
Project Number REFINERY

Attention: ROSS KENNEMER/MIKE BEAUPARLANT

On 01/06/06 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Due to the matrix the Bromide could not be analyzed any more concentrated than a 10X dilution. Additionally, QC failure is attributed to the matrix.

EPA method 150.1 (pH), 8015/8021 and Bromide analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

All remaining analyses were performed by Flowers Chemical Laboratories, Inc. Altamonte Springs, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE ID : 601096
 PROJECT # : REFINERY DATE RECEIVED : 01/06/06
 PROJECT NAME : THRIFTWAY #810 REPORT DATE : 02/13/06

PINNACLE			DATE
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
601096 - 01	TRAVEL BLANK	AQUEOUS	01/05/06
601096 - 02	MW-29	AQUEOUS	01/05/06
601096 - 03	MW-24	AQUEOUS	01/05/06
601096 - 04	MW-12	AQUEOUS	01/05/06
601096 - 05	RW-25	AQUEOUS	01/05/06
601096 - 06	RW-24	AQUEOUS	01/05/06
601096 - 07	RW-26	AQUEOUS	01/05/06
601096 - 08	MW-2	AQUEOUS	01/05/06
601096 - 09	MW-17	AQUEOUS	01/05/06
601096 - 10	MW-3	AQUEOUS	01/05/06
601096 - 11	AIRSTRIPPER INFLUENT	AQUEOUS	01/05/06
601096 - 12	AIRSTRIPPER EFFLUENT	AQUEOUS	01/05/06
601096 - 13	TRAVEL BLANK	AQUEOUS	12/27/05

GENERAL CHEMISTRY RESULTS

CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 601096
PROJECT # : REFINERY DATE RECEIVED : 01/06/06
PROJECT NAME : THRIFTWAY #810 ANALYST : DSR

SAMPLE			DATE	DATE	
ID. #	CLIENT I.D.	MATRIX	SAMPLED	ANALYZED	
02	MW-29	AQUEOUS	01/05/06	01/09/06	
03	MW-24	AQUEOUS	01/05/06	01/09/06	
04	MW-12	AQUEOUS	01/05/06	01/09/06	
PARAMETER		UNITS	MW-29	MW-24	MW-12
PH (150.1)		UNITS	7.1	7.4	7.5

CHEMIST NOTES:
N/A

GENERAL CHEMISTRY RESULTS

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 601096
PROJECT #	: REFINERY	DATE RECEIVED	: 01/06/06
PROJECT NAME	: THRIFTWAY #810	ANALYST	: DSR

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
05	RW-25	AQUEOUS	01/05/06	01/09/06
07	RW-26	AQUEOUS	01/05/06	01/09/06
08	MW-2	AQUEOUS	01/05/06	01/09/06

PARAMETER	UNITS	RW-25	RW-26	MW-2
PH (150.1)	UNITS	7.0	7.2	7.3

CHEMIST NOTES:
N/A

GENERAL CHEMISTRY RESULTS

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 601096
PROJECT #	: REFINERY	DATE RECEIVED	: 01/06/06
PROJECT NAME	: THRIFTWAY #810	ANALYST	: DSR

SAMPLE	DATE	DATE
ID. #	SAMPLED	ANALYZED
09	01/05/06	01/09/06
10	01/05/06	01/09/06
11	01/05/06	01/09/06

PARAMETER	UNITS	MW-17	MW-3	AIRSTRIPPER INFLUENT
PH (150.1)	UNITS	7.0	7.2	7.5

CHEMIST NOTES:
N/A

GENERAL CHEMISTRY RESULTS

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES		PINNACLE I.D.	: 601096
PROJECT #	: REFINERY		DATE RECEIVED	: 01/06/06
PROJECT NAME	: THRIFTWAY #810		ANALYST	: DSR
SAMPLE			DATE	DATE
ID. #	CLIENT I.D.	MATRIX	SAMPLED	ANALYZED
12	AIRSTRIPPER EFFLUENT	AQUEOUS	01/05/06	01/09/06
PARAMETER		UNITS	AIRSTRIPPER EFFLUENT	
PH (150.1)		UNITS	2.1 E1	

CHEMIST NOTES:

E1 = Estimate. This compound exceeded the calibration range.

A 2.0 pH QC test sample was run with the sample and it passed criteria.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : ANIMAS ENVIRONMENTAL SERVICES PINNACLE I.D. : 601096
 PROJECT # : REFINERY SAMPLE MATRIX : AQUEOUS
 PROJECT NAME : THRIFTWAY #810 DATE ANALYZED : 01/09/06

PARAMETER	UNITS	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH	UNITS	601096-05	6.95	6.95	0

CHEMIST NOTES:
 N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D.	: 601096
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	DATE ANALYZED	: 01/09/06

PARAMETER	UNITS	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH	UNITS	601096-12	2.14	2.13	0

CHEMIST NOTES:

Estimates. This compound exceeded the calibration range.

A 2.0 pH QC test sample was run with the sample and it passed criteria.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

ION CHROMATOGRAPHY RESULTS

TEST : ANIONS BY EPA 300.0
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : BP

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	FACTOR
02	MW-29	AQUEOUS	01/05/06	NA	01/11/06	10
03	MW-24	AQUEOUS	01/05/06	NA	01/11/06	10
04	MW-12	AQUEOUS	01/05/06	NA	01/11/06	10
PARAMETER	DET. LIMIT	UNITS	MW-29	MW-24	MW-12	
BROMIDE	1.0	MG/L	< 10 - C2	< 10	< 10 - C2	

CHEMIST NOTES:

C2 = CCV was less than established criteria, results may be biased low.

ION CHROMATOGRAPHY RESULTS

TEST : ANIONS BY EPA 300.0
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
05	RW-25	AQUEOUS	01/05/06	NA	01/11/06	10
07	RW-26	AQUEOUS	01/05/06	NA	01/11/06	10
08	MW-2	AQUEOUS	01/05/06	NA	01/11/06	5
PARAMETER	DET. LIMIT	UNITS	RW-25	RW-26	MW-2	
BROMIDE	1.0	MG/L	< 10 - C2	< 10 - C2	< 5.0	

CHEMIST NOTES:

C2 = CCV was less than established criteria, results may be biased low.

ION CHROMATOGRAPHY RESULTS

TEST : ANIONS BY EPA 300.0
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
09	MW-17	AQUEOUS	01/05/06	NA	01/11/06	10
10	MW-3	AQUEOUS	01/05/06	NA	01/11/06	10
11	AIRSTRIPPER INFLUENT	AQUEOUS	01/05/06	NA	01/11/06	10

PARAMETER	DET. LIMIT	UNITS	MW-17	MW-3	AIRSTRIPPER INFLUENT
BROMIDE	1.0	MG/L	< 10 - C2	< 10 - C2	< 10 - C2

CHEMIST NOTES:

C2 = CCV was less than established criteria, results may be biased low.

ION CHROMATOGRAPHY RESULTS

TEST : ANIONS BY EPA 300.0
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
12	AIRSTRIPPER EFFLUENT	AQUEOUS	01/05/06	NA	01/11/06	10
PARAMETER	DET. LIMIT	UNITS	AIRSTRIPPER EFFLUENT			
BROMIDE	1.0	MG/L	< 10 - C2			

CHEMIST NOTES:

C2 = CCV was less than established criteria, results may be biased low.

PINNACLE I.D. : 601096
 TEST : ANIONS BY EPA 300.0
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

ION CHROMATOGRAPHY RESULTS REAGENT BLANK

BLANK I.D. : 011106
 DATE EXTRACTED : N/A
 DATE ANALYZED : 01/11/06
 SAMPLE MATRIX : AQUEOUS
 ANALYST : BP
 UNITS : MG/L

PARAMETER	UNITS
BROMIDE	MG/L

<1.0

ION CHROMATOGRAPHY QUALITY CONTROL LFB/LFBD

BATCH I.D. : 011106
 DATE EXTRACTED : N/A
 DATE ANALYZED : 01/11/06
 SAMPLE MATRIX : AQUEOUS
 ANALYST : BP
 UNITS : MG/L

PARAMETER	LFB RESULT	CONC SPIKE	SPIKED BLANK	% REC	DUP SPIKE	DUP % REC	RPD	RPD LIMITS	REC LIMITS
BROMIDE	<1.0	10	8.74	87-M4	9.04	90	3	20	(90 - 110)

ION CHROMATOGRAPHY QUALITY CONTROL LFM

SAMPLE I.D. : 601096-08
 DATE EXTRACTED : N/A
 DATE ANALYZED : 01/11/06
 SAMPLE MATRIX : AQUEOUS
 ANALYST : BP
 UNITS : MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	REC LIMITS
BROMIDE	<5.0	50.0	34.8	70	C2,M4 (80 - 120)

CHEMIST NOTES:

LFB - M4 = % REC is outside of PLI criteria.

LFM - C2 = CCV was less than established criteria, results may be biased low.

LFM - M4 = % REC is outside of PLI criteria.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	TRAVEL BLANK	AQUEOUS	01/05/06	NA	01/17/06	1
02	MW-29	AQUEOUS	01/05/06	NA	01/16/06	50
03	MW-24	AQUEOUS	01/05/06	NA	01/16/06	100

PARAMETER	DET. LIMIT	UNITS	TRAVEL BLANK	MW-29	MW-24
FUEL HYDROCARBONS	0.10	MG/L	< 0.10	23	5.0 - J2
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE
BENZENE	0.5	UG/L	< 0.5	3000	1600
TOLUENE	0.5	UG/L	< 0.5	1700	88
ETHYLBENZENE	0.5	UG/L	< 0.5	340	82
TOTAL XYLENES	2.0	UG/L	< 2.0	2700	650
METHYL-t-BUTYL ETHER	0.5	UG/L	< 0.5 - D1	1500 - D100	1400 - D200

SURROGATE:
 BROMOFLUOROBENZENE (%) 99 108 100
 SURROGATE LIMITS (80 - 120)

CHEMIST NOTES:

J2 = Estimated concentration is less than the PLI reporting limit but is above the method detection limit.
 D1 = Reported from a 1X dilution run on GC-3 on 01-18-06.
 D100 = Reported from a 100X dilution run on GC-3 on 01-18-06.
 D200 = Reported from a 200X dilution run on GC-3 on 01-18-06.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-12	AQUEOUS	01/05/06	NA	01/17/06	10
05	RW-25	AQUEOUS	01/05/06	NA	01/16/06	100
06	RW-24	AQUEOUS	01/05/06	NA	01/17/06	100
PARAMETER	DET. LIMIT	UNITS	MW-12	RW-25	RW-24	
FUEL HYDROCARBONS	0.10	MG/L	< 1.0	16	< 10	
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10	
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE	
BENZENE	0.5	UG/L	6.4	2500	920	
TOLUENE	0.5	UG/L	< 5.0	1200	< 10 - D10B	
ETHYLBENZENE	0.5	UG/L	32	350	140	
TOTAL XYLENES	2.0	UG/L	71	2600	580	
METHYL-t-BUTYL ETHER	0.5	UG/L	54 - D10A	320 - D25	450 - D50	
SURROGATE:						
BROMOFLUOROBENZENE (%)			100	102	91	
SURROGATE LIMITS	(80 - 120)					

CHEMIST NOTES:

D10A = Reported from a 10X dilution run on GC-3 on 01-18-06.
 D25 = Reported from a 25X dilution run on GC-3 on 01-18-06.
 D50 = Reported from a 50X dilution run on GC-3 on 01-18-06.
 D10B = Reported from a 10X dilution run on GC/MS1 on 01-19-06.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	RW-26	AQUEOUS	01/05/06	NA	01/17/06	100
08	MW-2	AQUEOUS	01/05/06	NA	01/17/06	100
09	MW-17	AQUEOUS	01/05/06	NA	01/17/06	100
PARAMETER	DET. LIMIT	UNITS	RW-26	MW-2	MW-17	
FUEL HYDROCARBONS	0.10	MG/L	40	13	8.5 - J2	
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10	
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE	
BENZENE	0.5	UG/L	2100	690	620	
TOLUENE	0.5	UG/L	130	< 10 - D10A	72	
ETHYLBENZENE	0.5	UG/L	290	360	120	
TOTAL XYLENES	2.0	UG/L	1700	1300	900	
METHYL-t-BUTYL ETHER	0.5	UG/L	79 - D50	39 - D10-A	29 - D10B	
SURROGATE:						
BROMOFLUOROBENZENE (%)			115	109	104	
SURROGATE LIMITS	(80 - 120)					

CHEMIST NOTES:

J2 = Estimated concentration is less than the PLI reporting limit but is above the method detection limit.
 D50 = Reported from a 50X dilution run on GC-3 on 01-18-06.
 D10A = Reported from a 10X dilution run on GC/MS1 on 01-19-06.
 D10B = Reported from a 10X dilution run on GC-3 on 01-18-06.

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 8021B / 8015B GRO	
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE I.D. : 601096
PROJECT #	: REFINERY	ANALYST : BP
PROJECT NAME	: THRIFTWAY #810	

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	MW-3	AQUEOUS	01/05/06	NA	01/17/06	1000
11	AIRSTRIPPER INFLUENT	AQUEOUS	01/05/06	NA	01/17/06	10
12	AIRSTRIPPER EFFLUENT	AQUEOUS	01/05/06	NA	01/17/06	1

PARAMETER	DET. LIMIT	UNITS	MW-3	AIRSTRIPPER INFLUENT	AIRSTRIPPER EFFLUENT
FUEL HYDROCARBONS	0.10	MG/L	110	3.9	< 0.10
HYDROCARBON RANGE			C6-C10	C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE	GASOLINE

BENZENE	0.5	UG/L	870	57	< 0.5
TOLUENE	0.5	UG/L	< 25 - D25	320	3.5
ETHYLBENZENE	0.5	UG/L	1300	270	2.2
TOTAL XYLENES	2.0	UG/L	5500	720	8.1
METHYL-t-BUTYL ETHER	0.5	UG/L	150 - D100	39 - D5	1.9 - D1

SURROGATE:					
BROMOFLUOROBENZENE (%)			103	100	99
SURROGATE LIMITS	(80 - 120)				

CHEMIST NOTES:

D100 = Reported from a 100X dilution run on GC-3 on 01-18-06.
D5 = Reported from a 5X dilution run on GC-3 on 01-18-06.
D1 = Reported from a 1X dilution run on GC-3 on 01-18-06.
D25 = Reported from a 25X dilution run on GC/MS1 on 01-19-06.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
13	TRAVEL BLANK	AQUEOUS	12/27/05	NA	01/17/06	1

PARAMETER	DET. LIMIT	UNITS	TRAVEL BLANK
FUEL HYDROCARBONS	0.10	MG/L	< 0.10
HYDROCARBON RANGE			C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE

BENZENE	0.5	UG/L	< 0.5
TOLUENE	0.5	UG/L	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0
METHYL-t-BUTYL ETHER	0.5	UG/L	< 0.5 - D1

SURROGATE:
 BROMOFLUOROBENZENE (%) 97
 SURROGATE LIMITS (80 - 120)

CHEMIST NOTES:

D1 = Reported from a 1X dilution run on GC-3 on 01-18-06.

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 601096
BLANK I.D.	: 011606	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	ANALYST	: BP

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		97
SURROGATE LIMITS (80 - 120)		

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 601096
BLANK I.D.	: 011706	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/17/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	ANALYST	: BP

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		101
SURROGATE LIMITS (80 - 120)		

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B	PINNACLE I.D.	: 601096
BLANK I.D.	: 011806	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/18/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
METHYL-t-BUTYL ETHER	UG/L	<0.5

SURROGATE:
TRIFLUOROTOLUENE (%) 103
SURROGATE LIMITS (70 - 130)

CHEMIST NOTES:
Reagent Blank was run on GC-3.

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 601096
BATCH #	: 011606	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.00	100	0.966	97	3	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 601096
BATCH #	: 011706	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/17/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.02	102	0.960	96	6	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING		GASOLINE							

CHEMIST NOTES:
N/A

% Recovery = $\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$

RPD (Relative Percent Difference) = $\frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$

GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601096
BATCH #	: 011606	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/16/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	21.3	107	20.6	103	3	(80 - 120)	20
TOLUENE	<0.5	20.0	20.6	103	19.9	100	3	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	21.5	108	20.5	103	5	(80 - 120)	20
TOTAL XYLENES	<2.0	60.0	64.1	107	61.4	102	4	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	20.3	102	18.7	94	8	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601096
BATCH #	: 011706	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/17/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	20.0	100	20.4	102	2	(80 - 120)	20
TOLUENE	<0.5	20.0	19.5	98	20.0	100	3	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.2	101	20.9	105	3	(80 - 120)	20
TOTAL XYLENES	<2.0	60.0	60.2	100	62.4	104	4	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	19.0	95	20.3	102	7	(70 - 133)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601096
BATCH #	: 011806	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/18/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	10.0	10.2	102	10.4	104	2	(80 - 120)	20
TOLUENE	<0.5	10.0	9.71	97	9.71	97	0	(80 - 120)	20
ETHYLBENZENE	<0.5	10.0	9.82	98	9.83	98	0	(80 - 120)	20
TOTAL XYLENES	<2.0	30.0	30.2	101	30.4	101	1	(80 - 120)	20
METHYL-t-BUTYL ETHER	<0.5	10.0	9.94	99	10.3	103	4	(70 - 133)	20

CHEMIST NOTES:
LCS/LCSD was run on GC-3.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 601096
MSMSD #	: 601096-12	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/17/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	1.09	109	1.11	111	2	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING	GASOLINE								

CHEMIST NOTES:
N/A

% Recovery = $\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$

RPD (Relative Percent Difference) = $\frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$

GAS CHROMATOGRAPHY QUALITY CONTROL MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 601096
MSMSD #	: 601096-12	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/17/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	20.5	103	20.9	105	2	(80 - 120)	20
TOLUENE	3.5	20.0	23.3	99	23.4	100	0	(80 - 120)	20
ETHYLBENZENE	2.2	20.0	22.7	103	22.6	102	0	(80 - 120)	20
TOTAL XYLENES	8.1	60.0	69.2	102	68.9	101	0	(80 - 120)	20
METHYL-t-BUTYL ETHER	1.9 - D1	20.0	20.6	94 - C2	22.2	102 - C2	7	(70 - 133)	20

CHEMIST NOTES:

C2 = CCV was less than established limits. Results may be biased low.

D1 = MtBE result reported from GC-3 run on 1-18-06.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 601096
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES		
PROJECT #	: REFINERY	INSTRUMENT ID	: GC/MS1
PROJECT NAME	: THRIFTWAY #810	ANALYST	: DSR

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	011906E	AQUEOUS	N/A	01/19/06	1
PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS		
1,1-Dichloroethene (75-35-4)	1.0	< 1.0	ug/L		
Methyl-t-butyl Ether (1634-04-4)	1.0	< 1.0	ug/L		
Benzene (71-43-2)	1.0	< 1.0	ug/L		
Trichloroethene (79-01-6)	1.0	< 1.0	ug/L		
Toluene (108-88-3)	1.0	< 1.0	ug/L		
Chlorobenzene (108-90-7)	1.0	< 1.0	ug/L		
Ethylbenzene (100-41-4)	1.0	< 1.0	ug/L		
m&p Xylenes (108-38-3, 106-42-3)	2.0	< 2.0	ug/L		
o-Xylene (95-47-6)	1.0	< 1.0	ug/L		

SURROGATE % RECOVERY

1,2-Dichloroethane-d4	102 (76 - 114)
Toluene-d8	101 (88 - 110)
Bromofluorobenzene	102 (86 - 115)

LABORATORY CONTROL SPIKE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 601096
BATCH	: 011906E	DATE ANALYZED	: 01/19/06
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	UNITS	: ug/L (PPB)
PROJECT #	: REFINERY	INSTRUMENT ID	: GC/MS1
PROJECT NAME	: THRIFTWAY #810	ANALYST	: DSR

COMPOUND	SPIKE ADDED	LCS RESULT	LCS % RECOVERY	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	50.0	50.2	100	61-145
BENZENE	50.0	49.2	98	76-127
TRICHLOROETHENE	50.0	49.3	99	71-120
TOLUENE	50.0	49.5	99	76-125
CHLOROBENZENE	50.0	51.0	102	75-130

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : DSR

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
02	MW-29	AQUEOUS	01/05/06	01/12/06	01/13/06	1
03	MW-24	AQUEOUS	01/05/06	01/12/06	01/13/06	10
04	MW-12	AQUEOUS	01/05/06	01/12/06	01/13/06	10

PARAMETER	DET. LIMIT	UNITS	MW-29	MW-24	MW-12
FUEL HYDROCARBONS, C6-C10	2.0	MG/L	17	83	35
FUEL HYDROCARBONS, C10-C22	1.0	MG/L	19	820	570
FUEL HYDROCARBONS, C22-C36	1.0	MG/L	2.9	110	70
CALCULATED SUM:			38.9	1013	675

SURROGATE:
 O-TERPHENYL (%) 100 213 S4 178 S4
 SURROGATE LIMITS (70-130)

CHEMIST NOTES:
 S4 = Surrogate out due to confirmed matrix effects.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : DSR

SAMPLE		MATRIX	DATE	DATE	DATE	DIL. FACTOR
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	
05	RW-25	AQUEOUS	01/05/06	01/12/06	01/13/06	1
06	RW-24	AQUEOUS	01/05/06	01/12/06	01/13/06	1
07	RW-26	AQUEOUS	01/05/06	01/12/06	01/13/06	10
PARAMETER		DET. LIMIT	UNITS	RW-25	RW-24	RW-26
FUEL HYDROCARBONS, C6-C10		2.0	MG/L	20	4.7	38
FUEL HYDROCARBONS, C10-C22		1.0	MG/L	71	3.2	250
FUEL HYDROCARBONS, C22-C36		1.0	MG/L	8.8	< 1.0	20
CALCULATED SUM:				99.8	7.9	308

SURROGATE:
 O-TERPHENYL (%)
 SURROGATE LIMITS (70-130)

107 91 130

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : DSR

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
08	MW-2	AQUEOUS	01/05/06	01/12/06	01/13/06	10
09	MW-17	AQUEOUS	01/05/06	01/12/06	01/13/06	1
10	MW-3	AQUEOUS	01/05/06	01/12/06	01/13/06	10

PARAMETER	DET. LIMIT	UNITS	MW-2	MW-17	MW-3
FUEL HYDROCARBONS, C6-C10	2.0	MG/L	30	3.0	23
FUEL HYDROCARBONS, C10-C22	1.0	MG/L	120	8.2	72
FUEL HYDROCARBONS, C22-C36	1.0	MG/L	44	2.7	22
CALCULATED SUM:			194	13.9	117

SURROGATE:
 O-TERPHENYL (%)
 SURROGATE LIMITS (70-130)

116 100 102

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
 CLIENT : ANIMAS ENVIRONMENTAL SERVICES
 PROJECT # : REFINERY
 PROJECT NAME : THRIFTWAY #810

PINNACLE I.D. : 601096
 ANALYST : DSR

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
11	AIRSTRIPPER INFLUENT	AQUEOUS	01/05/06	01/12/06	01/13/06	1
12	AIRSTRIPPER EFFLUENT	AQUEOUS	01/05/06	01/12/06	01/13/06	1

PARAMETER	DET. LIMIT	UNITS	AIRSTRIPPER INFLUENT	AIRSTRIPPER EFFLUENT
FUEL HYDROCARBONS, C6-C10	2.0	MG/L	4.6	< 2.0
FUEL HYDROCARBONS, C10-C22	1.0	MG/L	1.7	< 1.0
FUEL HYDROCARBONS, C22-C36	1.0	MG/L	< 1.0	< 1.0
CALCULATED SUM:			6.3	

SURROGATE:
 O-TERPHENYL (%) 99 98
 SURROGATE LIMITS (70-130)

CHEMIST NOTES:
 N/A

GAS CHROMATOGRAPHY RESULTS
EXTRACTION BLANK

TEST : EPA 8015 MODIFIED (DIRECT INJECT) PINNACLE I.D. : 601096
BLANK I.D. : 011206 DATE EXTRACTED : 01/12/06
CLIENT : ANIMAS ENVIRONMENTAL SERVICES DATE ANALYZED : 01/13/06
PROJECT # : REFINERY SAMPLE MATRIX : AQUEOUS
PROJECT NAME : THRIFTWAY #810 ANALYST : DSR

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/L	< 2.0
FUEL HYDROCARBONS, C10-C22	MG/L	< 1.0
FUEL HYDROCARBONS, C22-C36	MG/L	< 1.0

SURROGATE:
O-TERPHENYL (%) 94
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
N/A

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

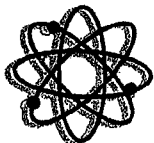
TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 601096
LCS/LCSD #	: 011206	DATE EXTRACTED	: 01/12/06
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 01/13/06
PROJECT #	: REFINERY	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THRIFTWAY #810	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<1.0	33.0	33.1	100	32.5	98	2	(70-130)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Feb 1, 2006; Invoice: 7472B06

Report Summary

Date Received: Jan 24, 2006

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
7472	601096-02	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7473	601096-03	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7474	601096-04	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7475	601096-05	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7476	601096-07	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7477	601096-08	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7478	601096-09	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7479	601096-10	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7480	601096-11	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	
7481	601096-12	EPA325.2	JGK	Main Lab	Ground Water
		EPA340.2	PCW	Main Lab	
		EPA375.4	JGK	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.




Jefferson S. Flowers, Ph.D.
President/Technical Director



Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Feb 1, 2006; Invoice: 7472B06

Analysis Report

Lab #	Date	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
7472	03/09/07	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Parameter	Result	Units						
Sulfate	2140	mg/L						
Fluoride	0.253	mg/L			10055166	EPA340.2	16984-48-8	02/01/06
Chloride	168	mg/L			10055167	EPA325.2	16887-00-6	01/30/06

Lab #	7473	Desc	601096-03
Parameter		Result	Units
Sulfate		2650	mg/L
Fluoride		0.235	mg/L
Chloride		161	mg/L
		DF	MDL
		1.00	5.00
		1.00	0.0500
		1.00	0.300
		QC Batch	POL
		10055165	Method
		10055166	EPA375.4
		10055167	EPA340.2
		10055167	EPA325.2
		CAS #	Analyzed
		14808-79-8	01/31/06
		16984-48-8	02/01/06
		16887-00-6	01/30/06

Lab # 74374	Desc: 601096-04								
Parameter	Result	Units	DF	MDL	POL	QC Batch	Method	CAS #	Analyzed
Sulfate	3400	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	1.28	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	78.4	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	2510	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.214	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	206	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06

Lab # 7478		Date: 661096-07							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	1340	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.297	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	70.4	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Feb 1, 2006; Invoice: 7472B06

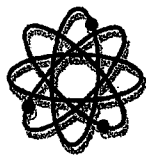
Lab #: 7477 Desc: 601096-08									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	5.00 U	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.451	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	59.7	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06

Lab #: 7478 Desc: 601096-09									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	1290	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.321	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	991	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06

Lab #: 7479 Desc: 601096-10									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	24.9	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.545	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	795	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06

Lab #: 7480 Desc: 601096-11									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	1920	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.445	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	634	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06

Lab #: 7481 Desc: 601096-12									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sulfate	1750	mg/L	1.00	5.00		10055165	EPA375.4	14808-79-8	01/31/06
Fluoride	0.445	mg/L	1.00	0.0500		10055166	EPA340.2	16984-48-8	02/01/06
Chloride	1580	mg/L	1.00	0.300		10055167	EPA325.2	16887-00-6	01/30/06



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Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Feb 1, 2006; Invoice: 7472B06

Quality Report

Quality Control Batch: 10055165 Analyst: JGK

Blank
Sulfate
Result 5.00U Units mg/L

Laboratory Control Sample
Sulfate

Result 19.5 Units mg/L
Spike 20.0 %REC 97.50 %REC Lim 76.00-122.50

Matrix Spike
Sulfate

Result 81.2 Units mg/L
Spike 50.0 %REC 162.40 %REC Lim 42.40-147.20 Sample 5.00U

Matrix Spike Duplicate
Sulfate

Result 81.4 Units mg/L
Spike 50.0 %REC 162.80 %REC Lim 42.40-147.20 Sample 5.00U RPD 0.25 RPD Lim 32.60

Quality Control Batch: 10055166 Analyst: PCW

Blank
Fluoride
Result 0.0500U Units mg/L

Laboratory Control Sample
Fluoride

Result 2.17 Units mg/L
Spike 2.00 %REC 108.50 %REC Lim 90.00-113.00

Matrix Spike
Fluoride

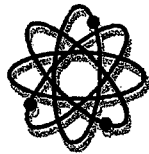
Result 2.92 Units mg/L
Spike 2.00 %REC 98.45 %REC Lim 62.01-135.89 Sample 0.951

Matrix Spike Duplicate
Fluoride

Result 2.90 Units mg/L
Spike 2.00 %REC 97.45 %REC Lim 62.01-135.89 Sample 0.951 RPD 0.69 RPD Lim 26.20

Quality Control Batch: 10055167 Analyst: JGK

Blank
Chloride
Result 0.641 Units mg/L



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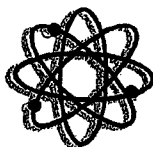
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Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Feb 1, 2006; Invoice: 7472B06

Quality Control Batch: 10055167 Analyst: JGK

Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim
Chloride		18.7	mg/L	20.0	93.50	88.50-116.00
Matrix Spike		Result	Units	Spike	%REC	%REC Lim
Chloride		68.7	mg/L	50.0	101.40	71.91-125.15
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim
Chloride		67.8	mg/L	50.0	99.60	71.91-125.15
					RPD	RPD Lim
					1.32	13.84



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Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Feb 1, 2006; Invoice: 7472B06

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

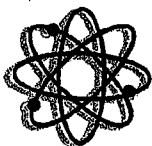
Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

Report Summary

Date Received: Jan 9, 2006

FCL Project Manager: June S. Flowers

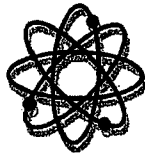
Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
7303	AS inf/601096-11	EPA120.1	LCC	Main Lab	Waste Water
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
7304	AS eff/601096-12	EPA120.1	LCC	Main Lab	Waste Water
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

Analysis Report

Lab # 7303

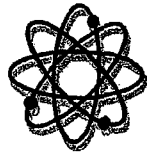
Disc: AS-Inf/601096-1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Total Hardness CaCO3	1320	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Specific Conductance	5540	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	4180	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
Mercury	0.000200	U mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06
Base_Neutral_Extraction	1000	ml	1.00	1.00		10054696	EPA3520		01/11/06
1-methyl-Naphthalene	3.84	ug/L	1.00	0.200		10054697	EPA8270	090-12-0	01/17/06
2-methyl-Naphthalene	2.98	ug/L	1.00	0.200		10054697	EPA8270	91-57-6	01/17/06
Acenaphthene	0.580	ug/L	1.00	0.200		10054697	EPA8270	83-32-9	01/17/06
Acenaphthylene	0.300	ug/L	1.00	0.200		10054697	EPA8270	208-96-8	01/17/06
Anthracene	0.200	U	1.00	0.200		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)anthracene	0.200	U	1.00	0.200		10054697	EPA8270	56-55-3	01/17/06
Benzo(a)pyrene	0.200	U	1.00	0.200		10054697	EPA8270	50-32-8	01/17/06
Benzo(b)fluoranthene	0.200	U	1.00	0.200		10054697	EPA8270	205-99-2	01/17/06
Benzo(g,h,i)perylene	0.200	U	1.00	0.200		10054697	EPA8270	191-24-2	01/17/06
Benzo(k)fluoranthene	0.200	U	1.00	0.200		10054697	EPA8270	207-08-9	01/17/06
Chrysene	0.200	U	1.00	0.200		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	0.200	U	1.00	0.200		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	0.200	U	1.00	0.200		10054697	EPA8270	206-44-0	01/17/06
Fluorene	1.97	ug/L	1.00	0.200		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	0.200	U	1.00	0.200		10054697	EPA8270	193-39-5	01/17/06
Naphthalene	8.53	ug/L	1.00	0.200		10054697	EPA8270	91-20-3	01/17/06
Phenanthrene	0.880	ug/L	1.00	0.200		10054697	EPA8270	85-01-8	01/17/06
Pyrene	0.380	ug/L	1.00	0.200		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	47.20%		1.00	1.00		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	26.40%		1.00	1.00		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	54.60%		1.00	1.00		10054697	EPA8270		01/17/06
Calcium, Dissolved	479	mg/L	1.00	0.100		10054743	EPA6010		01/10/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

Lab #: 7303

Desc: AS eff/601096-11

Parameter	Result	Units	DF	MDL	POL	QC Batch	Method	CAS #	Analyzed
Magnesium, Dissolved	72.4	mg/L	1.00	0.0100		10054743	EPA6010		01/10/06
Potassium, Dissolved	11.2	mg/L	1.00	0.100		10054743	EPA6010		01/10/06
Sodium, Dissolved	1120 L	mg/L	1.00	0.500		10054743	EPA6010		01/10/06
Bicarbonate Alkalinity	650	mg/L	1.00	1.00		10054754	EPA310.1		01/18/06
Carbonate Alkalinity	1.68	mg/L	1.00	1.00		10054755	EPA310.1	3812-32-6	01/18/06
Total Alkalinity CaCO3	652	mg/L	1.00	1.00		10054756	EPA310.1	T-005	01/18/06
Arsenic	0.00378	mg/L	1.00	0.00100		10054802	EPA6020	7440-38-2	01/09/06
Barium	0.0493	mg/L	1.00	0.00200		10054802	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054802	EPA6020	7440-43-9	01/09/06
Chromium	0.00778	mg/L	1.00	0.00100		10054802	EPA6020	7440-47-3	01/09/06
Lead	0.00122	mg/L	1.00	0.00100		10054802	EPA6020	7439-92-1	01/09/06
Selenium	0.00200 U	mg/L	1.00	0.00200		10054802	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054802	EPA6020	7440-22-4	01/09/06

Lab #: 7304

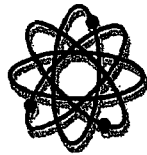
Desc: AS eff/601096-12

Parameter	Result	Units	DF	MDL	POL	QC Batch	Method	CAS #	Analyzed
Total Hardness CaCO3	3020	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Specific Conductance	9240	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	4370	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06
Base_Neutral_Extraction	920	ml	1.00	1.00		10054696	EPA3520		01/11/06
1-methyl-Naphthalene	0.490	ug/L	1.00	0.200		10054697	EPA8270	090-12-0	01/17/06
2-methyl-Naphthalene	0.370	ug/L	1.00	0.200		10054697	EPA8270	91-57-6	01/17/06
Acenaphthene	0.250	ug/L	1.00	0.200		10054697	EPA8270	83-32-9	01/17/06
Acenaphthylene	0.200 U	ug/L	1.00	0.200		10054697	EPA8270	208-96-8	01/17/06
Anthracene	0.200 U	ug/L	1.00	0.200		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)anthracene	0.380	ug/L	1.00	0.200		10054697	EPA8270	56-55-3	01/17/06
Benzo(a)pyrene	0.550	ug/L	1.00	0.200		10054697	EPA8270	50-32-8	01/17/06
Benzo(b)fluoranthene	0.200 U	ug/L	1.00	0.200		10054697	EPA8270	205-99-2	01/17/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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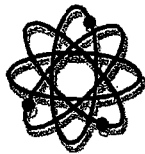
Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

Lab #: 7304

Desc: AS eff/601096-12

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Benzo(g,h,i)perylene	0.610	ug/L	1.00	0.200		10054697	EPA8270	191-24-2	01/17/06
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200		10054697	EPA8270	207-08-9	01/17/06
Chrysene	0.200 U	ug/L	1.00	0.200		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	0.200 U	ug/L	1.00	0.200		10054697	EPA8270	206-44-0	01/17/06
Fluorene	0.930	ug/L	1.00	0.200		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	0.560	ug/L	1.00	0.200		10054697	EPA8270	193-39-5	01/17/06
Naphthalene	1.32	ug/L	1.00	0.200		10054697	EPA8270	91-20-3	01/17/06
Phenanthrene	0.800	ug/L	1.00	0.200		10054697	EPA8270	85-01-8	01/17/06
Pyrene	0.200 U	ug/L	1.00	0.200		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	31.00%		1.00	1.00		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	37.00%		1.00	1.00		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	61.60%		1.00	1.00		10054697	EPA8270		01/17/06
Calcium, Dissolved	465	mg/L	1.00	0.100		10054743	EPA6010		01/10/06
Magnesium, Dissolved	72.3	mg/L	1.00	0.0100		10054743	EPA6010		01/10/06
Potassium, Dissolved	13.3	mg/L	1.00	0.100		10054743	EPA6010		01/10/06
Sodium, Dissolved	1140	mg/L	1.00	0.500		10054743	EPA6010		01/10/06
Bicarbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054754	EPA310.1		01/18/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054755	EPA310.1	3812-32-6	01/18/06
Total Alkalinity CaCO3	1.00 U	mg/L	1.00	1.00		10054756	EPA310.1	T-005	01/18/06
Arsenic	0.00656	mg/L	1.00	0.00100		10054802	EPA6020	7440-38-2	01/09/06
Barium	0.0466	mg/L	1.00	0.00200		10054802	EPA6020	7440-39-3	01/09/06
Cadmium	0.00122	mg/L	1.00	0.00100		10054802	EPA6020	7440-43-9	01/09/06
Chromium	0.00367	mg/L	1.00	0.00100		10054802	EPA6020	7440-47-3	01/09/06
Lead	0.374	mg/L	1.00	0.00100		10054802	EPA6020	7439-92-1	01/09/06
Selenium	0.0150	mg/L	1.00	0.00200		10054802	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054802	EPA6020	7440-22-4	01/09/06



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

Quality Report

Quality Control Batch: 10054539 Analyst: JME
Blank Result 2.50U Units mg/L
TDS

Laboratory Control Sample Result 1400 Units mg/L
Spike 1500 %REC 93.33 %REC Lim 81.33-118.67
TDS

Quality Control Batch: 10054544 Analyst: EVB
Blank Result 0.000200U Units mg/L
Mercury

Laboratory Control Sample Result 0.00496 Units mg/L
Spike 0.00500 %REC 99.20 %REC Lim 89.00-117.60
Mercury

Matrix Spike Result 0.00511 Units mg/L
Spike 0.00500 %REC 102.20 %REC Lim 74.00-128.00 Sample 0.000200U
Mercury

Matrix Spike Duplicate Result 0.00511 Units mg/L
Spike 0.00500 %REC 102.20 %REC Lim 74.00-128.00 Sample 0.000200U RPD 16.42
Mercury

Quality Control Batch: 10054697 Analyst: CLS
Blank Result 0.200U Units ug/L
Acenaphthene 0.200U ug/L
Acenaphthylene 0.200U ug/L
Anthracene 0.200U ug/L

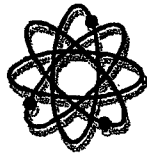


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Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

FLDOH: E83018 (Main Lab) FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

Quality Control Batch: 10054697

Analyst: CLS

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Dibenz(a,h)anthracene	42.9	ug/L	50.0	85.80	29.60-135.00
Fluoranthene	34.3	ug/L	50.0	68.60	26.00-119.20
Fluorene	32.3	ug/L	50.0	64.60	11.66-115.40
Indeno(1,2,3-cd)pyrene	51.0	ug/L	50.0	102.00	23.80-139.20
Naphthalene	27.2	ug/L	50.0	54.40	0.00-101.20
Phenanthrene	39.9	ug/L	50.0	79.80	23.00-107.40
Pyrene	50.9	ug/L	50.0	101.80	32.60-127.60
1-methyl-Naphthalene	24.0	ug/L	50.0	48.00	0.11-101.80
2-methyl-Naphthalene	21.6	ug/L	50.0	43.20	0.00-96.60
Surr:Nitrobenzene-d5	43.4	ug/L	50.0	86.80	0.79-110.80
Surr:Terphenyl-d14	53.3	ug/L	50.0	106.60	27.00-123.40
Surr:2-Fluorobiphenyl	31.7	ug/L	50.0	63.40	4.50-108.00

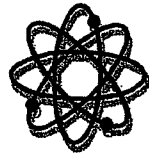
Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthene	25.1	ug/L	50.0	49.70	8.48-106.67	0.250
Acenaphthylene	20.3	ug/L	50.0	40.60	2.80-106.00	5.00U
Anthracene	33.7	ug/L	50.0	67.40	15.98-113.80	2.00U
Benzo(a)anthracene	33.7	ug/L	50.0	66.64	22.63-120.88	0.380
Benzo(a)pyrene	27.0	ug/L	50.0	52.90	20.38-113.55	0.550
Benzo(b)fluoranthene	23.2	ug/L	50.0	46.40	19.48-127.80	10.0U
Benzo(g,h,i)perylene	37.1	ug/L	50.0	72.98	19.32-127.05	0.610
Benzo(k)fluoranthene	38.0	ug/L	50.0	76.00	16.74-136.00	1.00U
Chrysene	32.7	ug/L	50.0	65.40	21.20-125.80	2.00U
Dibenz(a,h)anthracene	31.8	ug/L	50.0	63.60	19.78-134.40	5.00U
Fluoranthene	33.0	ug/L	50.0	66.00	22.00-113.00	5.00U
Fluorene	30.3	ug/L	50.0	58.74	9.42-114.67	0.930
Indeno(1,2,3-cd)pyrene	34.8	ug/L	50.0	68.48	21.36-127.97	0.560
Naphthalene	20.8	ug/L	50.0	38.96	10.21-96.65	1.32
Phenanthrene	39.4	ug/L	50.0	77.20	17.68-105.51	0.800

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NUDEP: FLO15 KYUSTP: 0007



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Pinnacle Laboratories
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Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

Quality Control Batch: 10054697 Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Pyrene	40.8	ug/L	50.0	81.60	14.28-135.60	10.0U
1-methyl-Naphthalene	17.0	ug/L	50.0	33.02	7.43-98.63	0.490
2-methyl-Naphthalene	19.1	ug/L	50.0	37.46	4.90-97.68	0.370
Surr:Nitrobenzene-d5	28.8	ug/L	50.0	57.60	0.00-95.80	
Surr:Terphenyl-d14	27.7	ug/L	50.0	55.40	2.08-99.20	
Surr:2-Fluorobiphenyl	19.7	ug/L	50.0	39.40	0.00-95.20	

Quality Control Batch: 10054743 Analyst: EVB

Blank	Result	Units
Calcium, Dissolved	0.100U	mg/L
Magnesium, Dissolved	0.0100U	mg/L
Potassium, Dissolved	0.100U	mg/L
Sodium, Dissolved	0.500U	mg/L

Laboratory Control Sample

Calcium, Dissolved	Result	Units	Spike	%REC	%REC Lim
Calcium, Dissolved	1.17	mg/L	1.00	117.00	0.00-0.00
Magnesium, Dissolved	1.08	mg/L	1.00	108.00	0.00-0.00
Potassium, Dissolved	9.63	mg/L	10.0	96.30	0.00-0.00
Sodium, Dissolved	1.12	mg/L	1.00	112.00	0.00-0.00

Matrix Spike

Calcium, Dissolved	Result	Units	Spike	%REC	%REC Lim	Sample
Calcium, Dissolved	491	mg/L	11.1	108.11	80.00-120.00	479
Magnesium, Dissolved	87.1	mg/L	11.1	132.43	80.00-120.00	72.4
Potassium, Dissolved	23.0	mg/L	11.1	106.31	80.00-120.00	11.2
Sodium, Dissolved	1110	mg/L	11.1	-90.09	80.00-120.00	1120

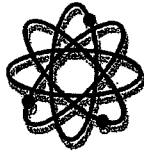
Matrix Spike Duplicate

Calcium, Dissolved	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Calcium, Dissolved	494	mg/L	11.1	135.14	80.00-120.00	479	0.61	

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NUDEP: FLO15 KYUSTP: 0007



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PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

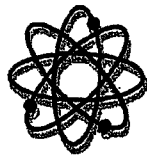
Quality Control Batch: 10054743		Analyst: EVB					
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD
Magnesium, Dissolved	85.0	mg/L	11.1	113.51	80.00-120.00	72.4	2.44
Potassium, Dissolved	26.1	mg/L	11.1	134.23	80.00-120.00	11.2	12.63
Sodium, Dissolved	1070	mg/L	11.1	-450.45	80.00-120.00	1120	3.67

Quality Control Batch: 10054756		Analyst: LCC					
Blank	Result	Units					
Total Alkalinity CaCO3	1.00U	mg/L					

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Total Alkalinity CaCO3	96.0	mg/L	100	96.00	69.20-132.00

Quality Control Batch: 10054802		Analyst: EVB					
Blank	Result	Units					
Arsenic	0.00100U	mg/L					
Barium	0.00200U	mg/L					
Cadmium	0.00100U	mg/L					
Chromium	0.00100U	mg/L					
Lead	0.00100U	mg/L					
Selenium	0.00200U	mg/L					
Silver	0.00100U	mg/L					

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Arsenic	0.206	mg/L	0.200	103.00	77.00-117.00
Barium	0.214	mg/L	0.200	107.00	82.50-126.50
Cadmium	0.226	mg/L	0.200	113.00	78.50-118.50
Chromium	0.223	mg/L	0.200	111.50	78.00-125.00



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Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

Quality Control Batch: 10054302

Analyst: EVB

Laboratory Control Sample

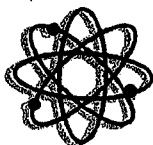
Lead	Result	Units	Spike	%REC	%REC Lim
	0.213	mg/L	0.200	106.50	81.50-121.50
Selenium	0.205	mg/L	0.200	102.50	74.00-118.50
Silver	0.215	mg/L	0.200	107.50	75.00-123.00

Matrix Spike

Arsenic	Result	Units	Spike	%REC	%REC Lim	Sample
	0.242	mg/L	0.200	119.11	69.68-146.73	0.00378
Barium	0.331	mg/L	0.200	140.85	71.00-153.23	0.0493
Cadmium	0.230	mg/L	0.200	115.00	74.50-138.00	0.00100U
Chromium	0.244	mg/L	0.200	118.11	70.75-151.60	0.00778
Lead	0.227	mg/L	0.200	112.89	69.08-143.13	0.00122
Selenium	0.257	mg/L	0.200	128.50	66.00-139.50	0.00200U
Silver	0.106	mg/L	0.200	53.00	36.60-156.00	0.00100U

Matrix Spike Duplicate

Arsenic	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
	0.259	mg/L	0.200	127.61	69.68-146.73	0.00378	6.79	25.10
Barium	0.335	mg/L	0.200	142.85	71.00-153.23	0.0493	1.20	23.70
Cadmium	0.247	mg/L	0.200	123.50	74.50-138.00	0.00100U	7.13	20.15
Chromium	0.258	mg/L	0.200	125.11	70.75-151.60	0.00778	5.58	23.30
Lead	0.235	mg/L	0.200	116.89	69.08-143.13	0.00122	3.46	22.50
Selenium	0.286	mg/L	0.200	143.00	66.00-139.50	0.00200U	10.68	25.35
Silver	0.137	mg/L	0.200	68.50	36.60-156.00	0.00100U	25.51	38.80



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Pinnacle Laboratories
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Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 03:05 PM
Jan 23, 2006; Invoice: 7303A06

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Additional Comments

The sodium concentration in the spiked sample interfered with the MS/MSD. The LCS validates the analytical batch. The pH of the Effluent sample (7304) was 2.69 pH, which is less than the titration endpoint for Alkalinity.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

LABORATORY NETWORK PROJECT MANAGER: Jacinta Tenorio				ANALYSIS REQUEST																												
Pinnacle Laboratories, Inc. 2709-D Pan American Freeway, NE Albuquerque, NM 87107 (505) 344-3777 Fax (505) 344-4413				SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA Total	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Ca, Mg, K, Na	Hardness	TOC	Gen Chemistry: TDS, Conductivity	Alkalinity: Bicarb / Carb.	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310) (8270 SIMS)	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS		
Aristique Influent /				6010916-11	1-5-06	1505	WW	7303	X				X	X			X															
Aristique Effluent /				6010916-17	1-5-06	1526	WW	7304	X				X	X			X							X								

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY:		RELINQUISHED BY:	
PROJECT #:	6010916	Total Number of Containers		PENSACOLA - STL-FL		Signature:		Signature:	
PROJ. NAME:	AES	Chain of Custody Seals		ESL - OR		Time:	1700	Time:	
QC LEVEL:	STD. IV	Received Intact?		ATEL - AZ		Date:		Date:	
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold		ATEL - MARION		Printed Name:		Printed Name:	
TAT:	STANDARD RUSH!!	LAB NUMBER:		ATEL - MELMORE		Company:	Pinnacle Laboratories, Inc.	Company:	
COMMENTS:				FCL		1. RECEIVED BY:		2.	
DUE DATE: 1-20-06				EHL		Signature:		Signature:	
RUSH SURCHARGE:				GEL		Time:		Time: 0700	
CLIENT DISCOUNT:				WCAS		Date:		Date: 1/19/06	
SPECIAL CERTIFICATION REQUIRED: YES (NO)				WOHL		Printed Name:		Printed Name: S. W. G. L.	
						Company:		Company: F&L	



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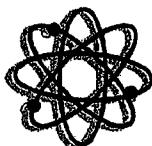
PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Report Summary

Date Received: Jan 9, 2006

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
7294	MW-29/601096-02	EPA120.1	LCC	Main Lab	Ground Water
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
7295	MW-24/601096-03	EPA130.2	JGK	Main Lab	Ground Water
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
7296	MW-12/601096-04	EPA160.1	JME	Main Lab	Ground Water
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
7297	RW-25/601096-05	EPA310.1	LCC	Main Lab	Ground Water
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
7298	RW-24/601096-06	EPA3520	CDG	Main Lab	Ground Water
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
7299	RW-26/601096-07	EPA130.2	JGK	Main Lab	Ground Water
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	



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PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

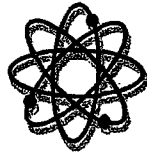
7300	MW-2/601096-08	EPA3520	CDG	Main Lab	Ground Water
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
7301	MW-17/601096-09	EPA6010	EVB	Main Lab	Ground Water
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
7302	MW-3/601096-10	EPA6020	EVB	Main Lab	Ground Water
		EPA7470	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		EPA120.1	LCC	Main Lab	
		EPA130.2	JGK	Main Lab	
		EPA160.1	JME	Main Lab	
		EPA310.1	LCC	Main Lab	
		EPA3520	CDG	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
7302	MW-3/601096-10	EPA7470	EVB	Main Lab	Ground Water
		EPA8270	CLS	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Analysis Report

Lab #: 7294

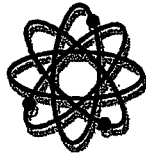
Desc: MFL 29/601096-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00978	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	0.294	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.0108	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.384	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.0150	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	567	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	75.9	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	11.2	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	796	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	2240	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Specific Conductance	4710	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	3550	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06
Total Alkalinity CaCO3	791	mg/L	1.00	1.00		10054693	EPA310.1	T-005	01/17/06
Carbonate Alkalinity	1.54	mg/L	1.00	1.00		10054694	EPA310.1	3812-32-6	01/17/06
Bicarbonate Alkalinity	790	mg/L	1.00	1.00		10054695	EPA310.1		01/17/06
Base Neutral Extraction	1000	ml	25.0	25.0		10054696	EPA3520		01/17/06
1-methyl-Naphthalene	465	ug/L	25.0	5.00		10054697	EPA8270	090-12-0	01/17/06
2-methyl-Naphthalene	493	ug/L	25.0	5.00		10054697	EPA8270	91-57-6	01/17/06
Acenaphthene	34.6	ug/L	25.0	5.00		10054697	EPA8270	83-32-9	01/17/06
Acenaphthylene	12.6	ug/L	25.0	5.00		10054697	EPA8270	208-96-8	01/17/06
Anthracene	7.06	ug/L	25.0	5.00		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)anthracene	7.70	ug/L	25.0	5.00		10054697	EPA8270	56-55-3	01/17/06
Benzo(a)pyrene	11.9	ug/L	25.0	5.00		10054697	EPA8270	50-32-8	01/17/06
Benzo(b)fluoranthene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	205-99-2	01/17/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Lab #: 7294

Desc: MW 29.601095-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Benzo(g,h,i)perylene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	191-24-2	01/17/06
Benzo(k)fluoranthene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	207-08-9	01/17/06
Chrysene	8.54	ug/L	25.0	5.00		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	206-44-0	01/17/06
Fluorene	72.1	ug/L	25.0	5.00		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	193-39-5	01/17/06
Naphthalene	462	ug/L	25.0	5.00		10054697	EPA8270	91-20-3	01/17/06
Phenanthrene	80.8	ug/L	25.0	5.00		10054697	EPA8270	85-01-8	01/17/06
Pyrene	13.8	ug/L	25.0	5.00		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	92.20%		25.0	25.0		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	246.00%		25.0	25.0		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	25.0 U		25.0	25.0		10054697	EPA8270		01/17/06

Lab #: 7295

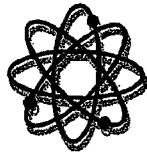
Desc: MW 24.601095-03

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00878	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	0.101	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.0111	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.0441	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.0182	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	623	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	80.8	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	11.0	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	1010	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	2010	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Specific_Conductance	5550	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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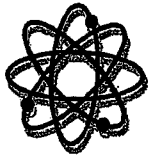
Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Lab #: 7295

Desc: MW-24-601096-03

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	4640	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
Mercury	0.000200	U	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06
Total Alkalinity CaCO3	1060	mg/L	1.00	1.00		10054693	EPA310.1	T-005	01/17/06
Carbonate Alkalinity	1.05	mg/L	1.00	1.00		10054694	EPA310.1	3812-32-6	01/17/06
Bicarbonate Alkalinity	1060	mg/L	1.00	1.00		10054695	EPA310.1		01/17/06
Base_Neutral_Extraction	1000	ml	25.0	25.0		10054696	EPA3520		01/11/06
1-methyl-Naphthalene	761	ug/L	25.0	5.00		10054697	EPA8270	090-12-0	01/17/06
2-methyl-Naphthalene	734	ug/L	25.0	5.00		10054697	EPA8270	91-57-6	01/17/06
Acenaphthene	105	ug/L	25.0	5.00		10054697	EPA8270	83-32-9	01/17/06
Acenaphthylene	25.9	ug/L	25.0	5.00		10054697	EPA8270	208-96-8	01/17/06
Anthracene	14.6	ug/L	25.0	5.00		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)anthracene	5.00	U	25.0	5.00		10054697	EPA8270	56-55-3	01/17/06
Benzo(a)pyrene	12.4	ug/L	25.0	5.00		10054697	EPA8270	50-32-8	01/17/06
Benzo(b)fluoranthene	5.00	U	25.0	5.00		10054697	EPA8270	205-99-2	01/17/06
Benzo(g,h,i)perylene	5.00	U	25.0	5.00		10054697	EPA8270	191-24-2	01/17/06
Benzo(k)fluoranthene	5.00	U	25.0	5.00		10054697	EPA8270	207-08-9	01/17/06
Chrysene	19.2	ug/L	25.0	5.00		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	5.00	U	25.0	5.00		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	14.8	ug/L	25.0	5.00		10054697	EPA8270	206-44-0	01/17/06
Fluorene	251	ug/L	25.0	5.00		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	5.00	U	25.0	5.00		10054697	EPA8270	193-39-5	01/17/06
Naphthalene	616	ug/L	25.0	5.00		10054697	EPA8270	91-20-3	01/17/06
Phenanthrene	318	ug/L	25.0	5.00		10054697	EPA8270	85-01-8	01/17/06
Pyrene	41.4	ug/L	25.0	5.00		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	82.20%		25.0	25.0		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	206.00%		25.0	25.0		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	51.80%		25.0	25.0		10054697	EPA8270		01/17/06



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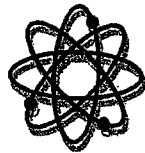
Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Lab #: 7296

Desc: MW-12601996-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00400	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	0.110	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.0141	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.0277	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.0209	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	398	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	76.7	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	10.8	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	1660	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	1770	mg/L	1.00	1.00		10054493	EPA130.2		01/10/06
Specific Conductance	6940	umhos/cm	1.00	2.00		10054538	EPA120.1		01/12/06
TDS	5160	mg/L	1.00	2.50		10054539	EPA160.1	40-11-9	01/10/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	10-34-4	01/10/06
Total Alkalinity CaCO3	818	mg/L	1.00	1.00		10054693	EPA310.1	10-33-3	01/11/06
Carbonate Alkalinity	1.84	mg/L	1.00	1.00		10054694	EPA310.1	7439-97-6	01/17/06
Bicarbonate Alkalinity	816	mg/L	1.00	1.00		10054695	EPA310.1	T-005	01/17/06
Base Neutral Extraction	950	ml	50.0	50.0		10054696	EPA3520	3812-32-6	01/17/06
1-methyl-Naphthalene	1400	ug/L	50.0	10.0		10054697	EPA8270		01/17/06
2-methyl-Naphthalene	1300	ug/L	50.0	10.0		10054697	EPA8270	090-12-0	01/17/06
Acenaphthene	152	ug/L	50.0	10.0		10054697	EPA8270	91-57-6	01/17/06
Acenaphthylene	45.0	ug/L	50.0	10.0		10054697	EPA8270	83-32-9	01/17/06
Anthracene	25.1	ug/L	50.0	10.0		10054697	EPA8270	208-96-8	01/17/06
Benzo(a)anthracene	10.9	ug/L	50.0	10.0		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)pyrene	25.2	ug/L	50.0	10.0		10054697	EPA8270	56-55-3	01/17/06
Benzo(b)fluoranthene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	50-32-8	01/17/06
Benzo(g,h,i)perylene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	205-99-2	01/17/06
Benzo(k)fluoranthene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	191-24-2	01/17/06
						10054697	EPA8270	207-08-9	01/17/06



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Lab #: 7296

Desc: MW-12/601996-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chrysene	32.4	ug/L	50.0	10.0		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	17.2	ug/L	50.0	10.0		10054697	EPA8270	206-44-0	01/17/06
Fluorene	384	ug/L	50.0	10.0		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	193-39-5	01/17/06
Naphthalene	683	ug/L	50.0	10.0		10054697	EPA8270	91-20-3	01/17/06
Phenanthrene	461	ug/L	50.0	10.0		10054697	EPA8270	85-01-8	01/17/06
Pyrene	63.1	ug/L	50.0	10.0		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	130.80%		50.0	50.0		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	206.00%		50.0	50.0		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	100.00%		50.0	50.0		10054697	EPA8270		01/17/06

Lab #: 7297

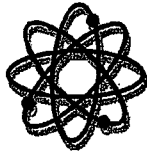
Desc: RW-25/601996-05

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00589	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	0.0272	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.00933	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.0656	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.0138	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	670	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	76.3	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Potassium, Dissolved	11.1	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	799	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	2210	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Specific Conductance	5350	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	4120	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Lab #: 7297

Desc: RW-25/60 1096-95

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Total Alkalinity CaCO3	682	mg/L	1.00	1.00		10054693	EPA310.1	T-005	01/17/06
Carbonate Alkalinity	1.16	mg/L	1.00	1.00		10054694	EPA310.1	3812-32-6	01/17/06
Bicarbonate Alkalinity	681	mg/L	1.00	1.00		10054695	EPA310.1		01/17/06
Base_Neutral_Extraction	960	ml	50.0	50.0		10054696	EPA3520		01/11/06
1-methyl-Naphthalene	1270	ug/L	50.0	10.0		10054697	EPA8270	090-12-0	01/17/06
2-methyl-Naphthalene	1280	ug/L	50.0	10.0		10054697	EPA8270	91-57-6	01/17/06
Acenaphthene	129	ug/L	50.0	10.0		10054697	EPA8270	83-32-9	01/17/06
Acenaphthylene	38.4	ug/L	50.0	10.0		10054697	EPA8270	208-96-8	01/17/06
Anthracene	18.4	ug/L	50.0	10.0		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)anthracene	14.5	ug/L	50.0	10.0		10054697	EPA8270	56-55-3	01/17/06
Benzo(a)pyrene	24.8	ug/L	50.0	10.0		10054697	EPA8270	50-32-8	01/17/06
Benzo(b)fluoranthene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	205-99-2	01/17/06
Benzo(g,h,i)perylene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	191-24-2	01/17/06
Benzo(k)fluoranthene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	207-08-9	01/17/06
Chrysene	34.8	ug/L	50.0	10.0		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	14.2	ug/L	50.0	10.0		10054697	EPA8270	206-44-0	01/17/06
Fluorene	297	ug/L	50.0	10.0		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	193-39-5	01/17/06
Naphthalene	870	ug/L	50.0	10.0		10054697	EPA8270	91-20-3	01/17/06
Phenanthrene	345	ug/L	50.0	10.0		10054697	EPA8270	85-01-8	01/17/06
Pyrene	46.7	ug/L	50.0	10.0		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	50.0 U		50.0	50.0		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	216.00%		50.0	50.0		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	50.0 U		50.0	50.0		10054697	EPA8270		01/17/06

Lab #: 7298

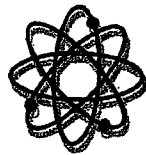
Desc: RW-24/60 1096-96

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	920	ml	10.0	10.0		10054696	EPA3520		01/11/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Lab #: 7298

Desc: RW-26/601096-06

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1-methyl-Naphthalene	79.6	ug/L	10.0	2.00		10054697	EPA8270	090-12-0	01/17/06
2-methyl-Naphthalene	38.4	ug/L	10.0	2.00		10054697	EPA8270	91-57-6	01/17/06
Acenaphthene	4.93	ug/L	10.0	2.00		10054697	EPA8270	83-32-9	01/17/06
Acenaphthylene	2.00 U	ug/L	10.0	2.00		10054697	EPA8270	208-96-8	01/17/06
Anthracene	2.00 U	ug/L	10.0	2.00		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)anthracene	2.00 U	ug/L	10.0	2.00		10054697	EPA8270	56-55-3	01/17/06
Benzo(a)pyrene	2.00 U	ug/L	10.0	2.00		10054697	EPA8270	50-32-8	01/17/06
Benzo(b)fluoranthene	2.00 U	ug/L	10.0	2.00		10054697	EPA8270	205-99-2	01/17/06
Benzo(g,h,i)perylene	2.00 U	ug/L	10.0	2.00		10054697	EPA8270	191-24-2	01/17/06
Benzo(k)fluoranthene	2.00 U	ug/L	10.0	2.00		10054697	EPA8270	207-08-9	01/17/06
Chrysene	3.09	ug/L	10.0	2.00		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	2.00 U	ug/L	10.0	2.00		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	2.89	ug/L	10.0	2.00		10054697	EPA8270	206-44-0	01/17/06
Fluorene	10.7	ug/L	10.0	2.00		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	2.00 U	ug/L	10.0	2.00		10054697	EPA8270	193-39-5	01/17/06
Naphthalene	58.9	ug/L	10.0	2.00		10054697	EPA8270	91-20-3	01/17/06
Phenanthrene	12.5	ug/L	10.0	2.00		10054697	EPA8270	85-01-8	01/17/06
Pyrene	4.06	ug/L	10.0	2.00		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	32.00%		10.0	10.0		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	86.40%		10.0	10.0		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	10.0 U		10.0	10.0		10054697	EPA8270		01/17/06

Lab #: 7299

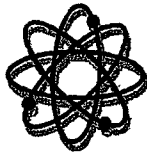
Desc: RW-26/601096-07

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00500	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	0.535	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.00589	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.0309	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Albuquerque, NM 87107

PO #: 601096

Client Project #: AES

Date Sampled: Jan 5, 2006; 09:30 AM

Jan 20, 2006; Invoice: 7294A06

Lab #: 7299

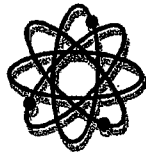
Desc: RW-291601996-07

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Selenium	0.0138	mg/L	1.00	0.00200		10054350	EPA8020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	397	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	43.5	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	9.57	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	952	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	1880	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Specific Conductance	5160	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	3750	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06
Total Alkalinity CaCO3	716	mg/L	1.00	1.00		10054693	EPA310.1	T-005	01/17/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054694	EPA310.1	3812-32-6	01/17/06
Bicarbonate Alkalinity	715	mg/L	1.00	1.00		10054695	EPA310.1		01/17/06
Base Neutral Extraction	1000	ml	50.0	50.0		10054696	EPA3520		01/11/06
1-methyl-Naphthalene	1520	ug/L	50.0	10.0		10054697	EPA8270	090-12-0	01/17/06
2-methyl-Naphthalene	1350	ug/L	50.0	10.0		10054697	EPA8270	91-57-6	01/17/06
Acenaphthene	192	ug/L	50.0	10.0		10054697	EPA8270	83-32-9	01/17/06
Acenaphthylene	48.1	ug/L	50.0	10.0		10054697	EPA8270	208-96-8	01/17/06
Anthracene	14.7	ug/L	50.0	10.0		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)anthracene	22.9	ug/L	50.0	10.0		10054697	EPA8270	56-55-3	01/17/06
Benzo(a)pyrene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	50-32-8	01/17/06
Benzo(b)fluoranthene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	205-99-2	01/17/06
Benzo(g,h,i)perylene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	191-24-2	01/17/06
Benzo(k)fluoranthene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	207-08-9	01/17/06
Chrysene	24.1	ug/L	50.0	10.0		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	16.9	ug/L	50.0	10.0		10054697	EPA8270	206-44-0	01/17/06
Fluorene	441	ug/L	50.0	10.0		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	10.0 U	ug/L	50.0	10.0		10054697	EPA8270	193-39-5	01/17/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Lab #: 7299

Desc: RW-26/601096-07

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Naphthalene	855	ug/L	50.0	10.0		10054697	EPA8270	91-20-3	01/17/06
Phenanthrene	466	ug/L	50.0	10.0		10054697	EPA8270	85-01-8	01/17/06
Pyrene	58.6	ug/L	50.0	10.0		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	104.60%		50.0	50.0		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	216.00%		50.0	50.0		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	50.0 U		50.0	50.0		10054697	EPA8270		01/17/06

Lab #: 7300

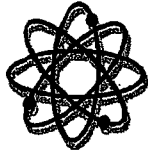
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Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00233	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	1.12	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.0152	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.0294	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.00911	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	51.8	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	12.4	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	2.74	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	715	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	1620	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Specific Conductance	2760	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	1720	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06
Total Alkalinity CaCO3	1130	mg/L	1.00	1.00		10054693	EPA310.1	T-005	01/17/06
Carbonate Alkalinity	2.84	mg/L	1.00	1.00		10054694	EPA310.1	3812-32-6	01/17/06
Bicarbonate Alkalinity	1130	mg/L	1.00	1.00		10054695	EPA310.1		01/17/06
Base_Neutral_Extraction	1000	ml	600	600		10054696	EPA3520		01/11/06
1-methyl-Naphthalene	10800	ug/L	600	120		10054697	EPA8270	090-12-0	01/17/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Albuquerque, NM 87107

PO #: 601096

Client Project #: AES

Date Sampled: Jan 5, 2006; 09:30 AM

Jan 20, 2006; Invoice: 7294A06

Lab #: 7300

Desc: MW-21601096-08

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
2-methyl-Naphthalene	11600	ug/L	600	120		10054697	EPA8270	91-57-6	01/17/06
Acenaphthene	1240	ug/L	600	120		10054697	EPA8270	83-32-9	01/17/06
Acenaphthylene	379	ug/L	600	120		10054697	EPA8270	208-96-8	01/17/06
Anthracene	136	ug/L	600	120		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)anthracene	197	ug/L	600	120		10054697	EPA8270	56-55-3	01/17/06
Benzo(a)pyrene	278	ug/L	600	120		10054697	EPA8270	50-32-8	01/17/06
Benzo(b)fluoranthene	120 U	ug/L	600	120		10054697	EPA8270	205-99-2	01/17/06
Benzo(g,h,i)perylene	120 U	ug/L	600	120		10054697	EPA8270	191-24-2	01/17/06
Benzo(k)fluoranthene	120 U	ug/L	600	120		10054697	EPA8270	207-08-9	01/17/06
Chrysene	900	ug/L	600	120		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	120 U	ug/L	600	120		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	206	ug/L	600	120		10054697	EPA8270	206-44-0	01/17/06
Fluorene	3620	ug/L	600	120		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	120 U	ug/L	600	120		10054697	EPA8270	193-39-5	01/17/06
Naphthalene	6780	ug/L	600	120		10054697	EPA8270	91-20-3	01/17/06
Phenanthrene	4950	ug/L	600	120		10054697	EPA8270	85-01-8	01/17/06
Pyrene	1050	ug/L	600	120		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	600 U		600	600		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	600 U		600	600		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	600 U		600	600		10054697	EPA8270		01/17/06

Lab #: 7301

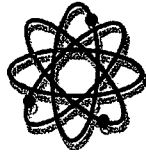
Desc: MW-17601096-09

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00589	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	0.107	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.0128	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.00789	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.00756	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Client Project #: AES

Date Sampled: Jan 5, 2006; 09:30 AM

Jan 20, 2006; Invoice: 7294A06

Lab #: 7301

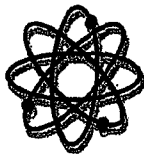
Date: MW-7/80/099-99

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	530	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	70.2	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	14.3	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	1030	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	3800	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Specific Conductance	6110	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	3900	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06
Total Alkalinity CaCO3	478	mg/L	1.00	1.00		10054693	EPA310.1	T-005	01/17/06
Carbonate Alkalinity	1.00 U	mg/L	1.00	1.00		10054694	EPA310.1	3812-32-6	01/17/06
Bicarbonate Alkalinity	478	mg/L	1.00	1.00		10054695	EPA310.1		01/17/06
Base Neutral Extraction	1000	ml	5.00	5.00		10054696	EPA3520		01/11/06
1-methyl-Naphthalene	48.4	ug/L	5.00	1.00		10054697	EPA8270	090-12-0	01/17/06
2-methyl-Naphthalene	53.5	ug/L	5.00	1.00		10054697	EPA8270	91-57-6	01/17/06
Acenaphthene	5.00	ug/L	5.00	1.00		10054697	EPA8270	83-32-9	01/17/06
Acenaphthylene	2.12	ug/L	5.00	1.00		10054697	EPA8270	208-96-8	01/17/06
Anthracene	1.76	ug/L	5.00	1.00		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)anthracene	1.59	ug/L	5.00	1.00		10054697	EPA8270	56-55-3	01/17/06
Benzo(a)pyrene	1.00 U	ug/L	5.00	1.00		10054697	EPA8270	50-32-8	01/17/06
Benzo(b)fluoranthene	1.00 U	ug/L	5.00	1.00		10054697	EPA8270	205-99-2	01/17/06
Benzo(g,h,i)perylene	1.00 U	ug/L	5.00	1.00		10054697	EPA8270	191-24-2	01/17/06
Benzo(k)fluoranthene	1.00 U	ug/L	5.00	1.00		10054697	EPA8270	207-08-9	01/17/06
Chrysene	2.10	ug/L	5.00	1.00		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	1.00 U	ug/L	5.00	1.00		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	1.26	ug/L	5.00	1.00		10054697	EPA8270	206-44-0	01/17/06
Fluorene	14.7	ug/L	5.00	1.00		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	1.00 U	ug/L	5.00	1.00		10054697	EPA8270	193-39-5	01/17/06
Naphthalene	31.1	ug/L	5.00	1.00		10054697	EPA8270	91-20-3	01/17/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096

Client Project #: AES

Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Lab #: 7301

Desc: MW-77601986-09

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Phenanthrene	15.6	ug/L	5.00	1.00		10054697	EPA8270	85-01-8	01/17/06
Pyrene	3.54	ug/L	5.00	1.00		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	47.60%		5.00	5.00		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	85.60%		5.00	5.00		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	28.40%		5.00	5.00		10054697	EPA8270		01/17/06

Lab #: 7302

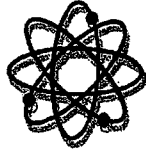
Desc: MW-31601986-10

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.114	mg/L	1.00	0.00100		10054350	EPA6020	7440-38-2	01/09/06
Barium	3.67	mg/L	1.00	0.00200		10054350	EPA6020	7440-39-3	01/09/06
Cadmium	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-43-9	01/09/06
Chromium	0.0119	mg/L	1.00	0.00100		10054350	EPA6020	7440-47-3	01/09/06
Lead	0.0402	mg/L	1.00	0.00100		10054350	EPA6020	7439-92-1	01/09/06
Selenium	0.00833	mg/L	1.00	0.00200		10054350	EPA6020	7782-49-2	01/09/06
Silver	0.00100 U	mg/L	1.00	0.00100		10054350	EPA6020	7440-22-4	01/09/06
Calcium, Dissolved	256	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Magnesium, Dissolved	45.0	mg/L	1.00	0.0100		10054351	EPA6010		01/10/06
Potassium, Dissolved	11.3	mg/L	1.00	0.100		10054351	EPA6010		01/10/06
Sodium, Dissolved	805	mg/L	1.00	0.500		10054351	EPA6010		01/10/06
Total Hardness CaCO3	1440	mg/L	1.00	1.00		10054493	EPA130.2	40-11-9	01/10/06
Specific Conductance	4130	umhos/cm	1.00	2.00		10054538	EPA120.1	10-34-4	01/12/06
TDS	2340	mg/L	1.00	2.50		10054539	EPA160.1	10-33-3	01/10/06
Mercury	0.000200 U	mg/L	1.00	0.000200		10054544	EPA7470	7439-97-6	01/11/06
Total Alkalinity CaCO3	819	mg/L	1.00	1.00		10054693	EPA310.1	T-005	01/17/06
Carbonate Alkalinity	1.26	mg/L	1.00	1.00		10054694	EPA310.1	3812-32-6	01/17/06
Bicarbonate Alkalinity	818	mg/L	1.00	1.00		10054695	EPA310.1		01/17/06
Base_Neutral_Extraction	1000	ml	25.0	25.0		10054696	EPA3520		01/11/06
1-methyl-Naphthalene	667	ug/L	25.0	5.00		10054697	EPA8270	090-12-0	01/17/06
2-methyl-Naphthalene	684	ug/L	25.0	5.00		10054697	EPA8270	91-57-6	01/17/06

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007



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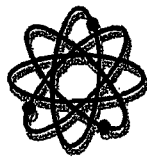
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2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Lab #: 7302

Desc: MW 31601096-10

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Acenaphthene	94.7	ug/L	25.0	5.00		10054697	EPA8270	83-32-9	01/17/06
Acenaphthylene	28.2	ug/L	25.0	5.00		10054697	EPA8270	208-96-8	01/17/06
Anthracene	10.5	ug/L	25.0	5.00		10054697	EPA8270	120-12-7	01/17/06
Benzo(a)anthracene	13.6	ug/L	25.0	5.00		10054697	EPA8270	56-55-3	01/17/06
Benzo(a)pyrene	14.8	ug/L	25.0	5.00		10054697	EPA8270	50-32-8	01/17/06
Benzo(b)fluoranthene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	205-99-2	01/17/06
Benzo(g,h,i)perylene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	191-24-2	01/17/06
Benzo(k)fluoranthene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	207-08-9	01/17/06
Chrysene	32.6	ug/L	25.0	5.00		10054697	EPA8270	218-01-9	01/17/06
Dibenz(a,h)anthracene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	53-70-3	01/17/06
Fluoranthene	14.2	ug/L	25.0	5.00		10054697	EPA8270	206-44-0	01/17/06
Fluorene	221	ug/L	25.0	5.00		10054697	EPA8270	86-73-7	01/17/06
Indeno(1,2,3-cd)pyrene	5.00 U	ug/L	25.0	5.00		10054697	EPA8270	193-39-5	01/17/06
Naphthalene	534	ug/L	25.0	5.00		10054697	EPA8270	91-20-3	01/17/06
Phenanthrene	243	ug/L	25.0	5.00		10054697	EPA8270	85-01-8	01/17/06
Pyrene	60.5	ug/L	25.0	5.00		10054697	EPA8270	129-00-0	01/17/06
Surr:2-Fluorobiphenyl (0-95%)	74.00%		25.0	25.0		10054697	EPA8270	321-60-8	01/17/06
Surr:Nitrobenzene-d5 (0-95%)	192.80%		25.0	25.0		10054697	EPA8270		01/17/06
Surr:Terphenyl-d14 (2-99%)	121.00%		25.0	25.0		10054697	EPA8270		01/17/06



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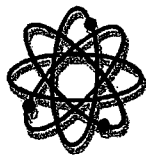
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Date Sampled: Jan 5, 2006; 09:30 AM
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Quality Report

Quality Control Batch: 10054350		Analyte: EVR	
	Result	Units	
Blank	0.00100U	mg/L	
Arsenic	0.00200U	mg/L	
Barium	0.00100U	mg/L	
Cadmium	0.00100U	mg/L	
Chromium	0.00100U	mg/L	
Lead	0.00100U	mg/L	
Selenium	0.00200U	mg/L	
Silver	0.00100U	mg/L	
Laboratory Control Sample			
Arsenic	Result	Units	Spike
Barium	0.217	mg/L	0.200
Cadmium	0.216	mg/L	0.200
Chromium	0.201	mg/L	0.200
Lead	0.206	mg/L	0.200
Selenium	0.226	mg/L	0.200
Silver	0.229	mg/L	0.200
	0.208	mg/L	0.200
			%REC
			108.50
			108.00
			100.50
			103.00
			113.00
			114.50
			104.00
			%REC Lim
			77.00-117.00
			82.50-126.50
			78.50-118.50
			78.00-125.00
			81.50-121.50
			74.00-118.50
			75.00-123.00
Matrix Spike			
Arsenic	Result	Units	Spike
Barium	0.235	mg/L	0.222
Cadmium	0.362	mg/L	0.222
Chromium	0.232	mg/L	0.222
Lead	0.243	mg/L	0.222
Selenium	0.225	mg/L	0.222
Silver	0.251	mg/L	0.222
	0.207	mg/L	0.222
			%REC
			104.50
			101.35
			104.50
			107.51
			99.70
			108.29
			93.24
			%REC Lim
			69.78-146.67
			71.03-153.20
			74.32-137.84
			70.69-151.55
			69.13-143.13
			65.78-139.29
			36.62-155.86
Matrix Spike Duplicate			
	Result	Units	Spike
			%REC
			104.50
			101.35
			104.50
			107.51
			99.70
			108.29
			93.24
			%REC Lim
			69.78-146.67
			71.03-153.20
			74.32-137.84
			70.69-151.55
			69.13-143.13
			65.78-139.29
			36.62-155.86
			Sample
			0.00300
			0.137
			0.00100U
			0.00433
			0.00367
			0.0106
			0.00100U
			RPD
			RPD Lim



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Client Project #: AES
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Quality Control Batch: 10054350

Analyst: EVB

Matrix Spike Duplicate

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
0.256	mg/L	0.222	113.96	69.78-146.67	0.00300	8.55	25.09
0.379	mg/L	0.222	109.01	71.03-153.20	0.137	4.59	23.69
0.250	mg/L	0.222	112.61	74.32-137.84	0.00100U	7.47	20.14
0.254	mg/L	0.222	112.46	70.69-151.55	0.00433	4.43	23.29
0.238	mg/L	0.222	105.55	69.13-143.13	0.00367	5.62	22.48
0.280	mg/L	0.222	121.35	65.78-139.29	0.0106	10.92	25.36
0.225	mg/L	0.222	101.35	36.62-155.86	0.00100U	8.33	38.83

Quality Control Batch: 10054351

Analyst: EVB

Blank

Result	Units
0.100U	mg/L
0.0100U	mg/L
0.100U	mg/L
0.500U	mg/L

Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
1.15	mg/L	1.00	115.00	91.60-116.00
1.07	mg/L	1.00	107.00	99.10-113.00
10.7	mg/L	10.0	107.00	90.90-107.00
1.06	mg/L	1.00	106.00	79.50-120.00

Matrix Spike

Result	Units	Spike	%REC	%REC Lim	Sample
502	mg/L	11.1	81.08	69.63-139.85	493
67.3	mg/L	11.1	153.15	101.14-112.54	50.3
25.7	mg/L	11.1	141.44	50.24-153.55	10.0
588	mg/L	11.1	72.07	5.23-163.42	580

Matrix Spike Duplicate

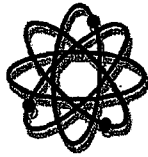
Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
503	mg/L	11.1	90.09	69.63-139.85	493	0.20	16.04

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015 KYUSTP: 0007

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Date Sampled: Jan 5, 2006; 09:30 AM
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Quality Control Batch: 10054351		Analyst: EVB							
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim	
Magnesium, Dissolved	67.7	mg/L	11.1	156.76	101.14-112.54	50.3	0.59	3.33	
Potassium, Dissolved	25.2	mg/L	11.1	136.94	50.24-153.55	10.0	1.96	19.91	
Sodium, Dissolved	588	mg/L	11.1	72.07	5.23-163.42	580	0.00	50.45	

Quality Control Batch: 10054539		Analyst: JME							
Blank	Result	Units							
TDS	2.50U	mg/L							

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim				
TDS	1400	mg/L	1500	93.33	81.33-118.67				

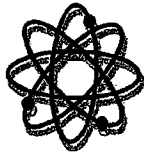
Quality Control Batch: 10054544		Analyst: EVB							
Blank	Result	Units							
Mercury	0.000200U	mg/L							

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim				
Mercury	0.00496	mg/L	0.00500	99.20	89.00-117.60				

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample			
Mercury	0.00511	mg/L	0.00500	102.20	74.00-128.00	0.000200U			

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim	
Mercury	0.00511	mg/L	0.00500	102.20	74.00-128.00	0.000200U	0.00	16.42	

Quality Control Batch: 10054693		Analyst: LCC							
Blank	Result	Units							



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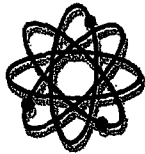
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Date Sampled: Jan 5, 2006; 09:30 AM
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Quality Control Batch: 10054693		Analyst: LCC	
Blank	Result	Units	
Total Alkalinity CaCO3	1.00U	mg/L	
Laboratory Control Sample			
Total Alkalinity CaCO3	Result	Units	%REC
	92.9	mg/L	92.90
			Spike
			100
			%REC Lim
			69.20-132.00

Quality Control Batch: 10054697		Analyst: GLS	
Blank	Result	Units	
Acenaphthene	0.200U	ug/L	
Acenaphthylene	0.200U	ug/L	
Anthracene	0.200U	ug/L	
Benzo(a)anthracene	0.200U	ug/L	
Benzo(a)pyrene	0.200U	ug/L	
Benzo(b)fluoranthene	0.200U	ug/L	
Benzo(g,h,i)perylene	0.200U	ug/L	
Benzo(k)fluoranthene	0.200U	ug/L	
Chrysene	0.200U	ug/L	
Dibenz(a,h)anthracene	0.200U	ug/L	
Fluoranthene	0.200U	ug/L	
Fluorene	0.200U	ug/L	
Indeno(1,2,3-cd)pyrene	0.200U	ug/L	
Naphthalene	0.200U	ug/L	
Phenanthrene	0.200U	ug/L	
Pyrene	0.200U	ug/L	
1-methyl-Naphthalene	0.200U	ug/L	
2-methyl-Naphthalene	0.200U	ug/L	



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PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
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Quality Control Batch: 10054697	Analyst: CLS
Blank	Result Units
Surr:Nitrobenzene-d5	43.4 ug/L
Surr:Terphenyl-d14	55.8 ug/L
Surr:2-Fluorobiphenyl	29.3 ug/L

Laboratory Control Sample

Sample	Result	Units	Spike	%REC	%REC Lim
Acenaphthene	35.0	ug/L	50.0	70.00	5.54-106.80
Acenaphthylene	26.9	ug/L	50.0	53.80	0.55-104.20
Anthracene	36.3	ug/L	50.0	72.60	28.40-111.20
Benzo(a)anthracene	46.5	ug/L	50.0	93.00	32.60-121.80
Benzo(a)pyrene	42.1	ug/L	50.0	84.20	32.60-113.60
Benzo(b)fluoranthene	16.0	ug/L	50.0	32.00	32.00-127.20
Benzo(g,h,i)perylene	55.5	ug/L	50.0	111.00	31.00-126.60
Benzo(k)fluoranthene	67.5	ug/L	50.0	135.00	31.40-130.60
Chrysene	48.4	ug/L	50.0	96.80	36.60-126.00
Dibenz(a,h)anthracene	42.9	ug/L	50.0	85.80	29.60-135.00
Fluoranthene	34.3	ug/L	50.0	68.60	26.00-119.20
Fluorene	32.3	ug/L	50.0	64.60	11.66-115.40
Indeno(1,2,3-cd)pyrene	51.0	ug/L	50.0	102.00	23.80-139.20
Naphthalene	27.2	ug/L	50.0	54.40	0.00-101.20
Phenanthrene	39.9	ug/L	50.0	79.80	23.00-107.40
Pyrene	50.9	ug/L	50.0	101.80	32.60-127.60
1-methyl-Naphthalene	24.0	ug/L	50.0	48.00	0.11-101.80
2-methyl-Naphthalene	21.6	ug/L	50.0	43.20	0.00-96.60
Surr:Nitrobenzene-d5	43.4	ug/L	50.0	86.80	0.79-110.80
Surr:Terphenyl-d14	53.3	ug/L	50.0	106.60	27.00-123.40
Surr:2-Fluorobiphenyl	31.7	ug/L	50.0	63.40	4.50-108.00

Matrix Spike

Sample	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthene	25.1	ug/L	50.0	49.70	8.48-106.67	0.250



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs FL 32715-0597 Phone 407 - 339 - 5984 Fax 407 - 260 - 6110 www.flowerslabs.com
8253 South U.S. Highway 1, Port St. Lucie FL 34952-2860 Phone 772 - 343 - 8006 Fax 772 - 343 - 8089

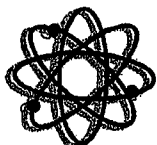
Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Quality Control Batch: 10054697

Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthylene	20.3	ug/L	50.0	40.60	2.80-106.00	5.00U
Anthracene	33.7	ug/L	50.0	67.40	15.98-113.80	2.00U
Benzo(a)anthracene	33.7	ug/L	50.0	66.64	22.63-120.88	0.380
Benzo(a)pyrene	27.0	ug/L	50.0	52.90	20.38-113.55	0.550
Benzo(b)fluoranthene	23.2	ug/L	50.0	46.40	19.48-127.80	10.0U
Benzo(g,h,i)perylene	37.1	ug/L	50.0	72.98	19.32-127.05	0.610
Benzo(k)fluoranthene	38.0	ug/L	50.0	76.00	16.74-136.00	1.00U
Chrysene	32.7	ug/L	50.0	65.40	21.20-125.80	2.00U
Dibenz(a,h)anthracene	31.8	ug/L	50.0	63.60	19.78-134.40	5.00U
Fluoranthene	33.0	ug/L	50.0	66.00	22.00-113.00	5.00U
Fluorene	30.3	ug/L	50.0	58.74	9.42-114.67	0.930
Indeno(1,2,3-cd)pyrene	34.8	ug/L	50.0	68.48	21.36-127.97	0.560
Naphthalene	20.8	ug/L	50.0	38.96	10.21-96.65	1.32
Phenanthrene	39.4	ug/L	50.0	77.20	17.68-105.51	0.800
Pyrene	40.8	ug/L	50.0	81.60	14.28-135.60	10.0U
1-methyl-Naphthalene	17.0	ug/L	50.0	33.02	7.43-98.63	0.490
2-methyl-Naphthalene	19.1	ug/L	50.0	37.46	4.90-97.68	0.370
Surr:Nitrobenzene-d5	28.8	ug/L	50.0	57.60	0.00-95.80	
Surr:Terphenyl-d14	27.7	ug/L	50.0	55.40	2.08-99.20	
Surr:2-Fluorobiphenyl	19.7	ug/L	50.0	39.40	0.00-95.20	



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P.O. Box 150597, Altamonte Springs FL 32715-0597 Phone 407-339-5984 Fax 407-260-6110 www.flowerslabs.com
8253 South U.S. Highway 1, Port St. Lucie FL 34952-2860 Phone 772-343-8006 Fax 772-343-8089

Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque, NM 87107

PO #: 601096
Client Project #: AES
Date Sampled: Jan 5, 2006; 09:30 AM
Jan 20, 2006; Invoice: 7294A06

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Additional Comments

EPA8270-SIM surrogates may be out of control limits due to required dilution or matrix interference.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 1/6/04 Page: 1 of 1

SAMPLE INFORMATION				ANALYSIS REQUEST																						
SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA Total	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Ca, Mg, K, Na	Hardness	TOC	Gen Chemistry: TDS, Conductivity	Alkalinity Bicarb / Carb	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310/8270 SIMS)	8260 (TCPLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS	
MWD-29 / 601096-02	1-5-06	1000	GW	7294	X			X	X		X	X							X							
MWD-24 / 601096-03		0930		95	X			X	X		X	X						X								
MWD-12 / 601096-04		1038		96	X			X	X		X	X						X								
R10-25 / 601096-05		1133		97	X			X	X		X	X						X								
R10-24 / 601096-06		1206		98	X			X	X		X	X						X								
R10-26 / 601096-07		1246		7299	X			X	X		X	X						X								
MWD-2 / 601096-08		1335		7300	X			X	X		X	X						X								
MWD-17 / 601096-09		1415		7301	X			X	X		X	X						X								
MWD-3 / 601096-10		1435		7302	X			X	X		X	X						X								

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY:		RELINQUISHED BY:	
PROJECT #	PROJ. NAME	Total Number of Containers	Chain of Custody Seals	ESL - OR	ATEL - AZ	Signature	Time	Signature	Time
601096	AES								
QC LEVEL: (STD) IV		Received Intact?							
QC REQUIRED: MS MSD BLANK		Received Good Cond/Cold							
TAT: (STANDARD) RUSH!!		LAB NUMBER:							
DUE DATE: 1-20-06		COMMENTS:		FCL		RECEIVED BY:		RECEIVED BY:	
RUSH SURCHARGE:				EHL		Signature		Signature	
CLIENT DISCOUNT:				GEL		Time		Time	
SPECIAL CERTIFICATION REQUIRED: YES (NO)				WCAS		Date		Date	
				WOHL		Printed Name		Printed Name	
						Company		Company	

Thriftyway Refinery #810, Bloomfield, NM

Pinnacle
Laboratories

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 1-5-06 PAGE: 1 OF 2

PLI Accession #

6010916

SHADED AREAS ARE FOR LAB USE ONLY

PROJECT MANAGER: Ross Kenner

COMPANY: Animas Environmental Services

ADDRESS: 624 E. Comanche

Farmington, NM 87401

PHONE: (505) 564-2281

FAX: 324-2022

BILL TO: BioTech Remediation, Inc.

COMPANY: _____

ADDRESS: _____

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
Travel Blank	1-5-06	0620	H ₂ O	01
NW-29	1-5-06	1000	H ₂ O	02
NW-24	1-5-06	0930	H ₂ O	03
NW-12	1-5-06	1038	H ₂ O	04
RW-25	1-5-06	1133	H ₂ O	05
RW-24	1-5-06	1200	H ₂ O	06
RW-26	1-5-06	1246	H ₂ O	07
NW-2	1-5-06	1335	H ₂ O	08
NW-17	1-5-06	1415	H ₂ O	09
NW-3	1-5-06	1435	H ₂ O	10

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION

PROJ. NO.: Thriftyway

PROJ. NAME: Refinery #810

P.O. NO.: _____

SHIPPED VIA: _____

SAMPLE RECEIPT

NO CONTAINERS

CUSTODY SEALS Y (N) NA

RECEIVED INTACT YES

BLUE TOPICE 43C

COMMENTS: NW-29 - Diss. Metals to be Filtered
NW-17 - Diss @ Lab - Free Product on Well
Metals to be Filtered @ Lab.
NW-12 - Free Product on Well
RW-25 - Free Product on Well
NW-3 - Free Product on Well
RW-24 - Free Product on Well
RW-26 - Free Product on Well
NW-2 - Free Product on Well

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ METALS ☐ TOTAL ☐ DISSOLVED

RELINQUISHED BY: 1. Signature: Ross Kenner Time: 0730 Date: _____

Printed Name: Ross Kenner Date: 1-6-05

Company: _____

See Reverse side (Force Majeure)

RECEIVED BY: 1. Signature: Subsequent Time: 1103 Date: _____

Printed Name: Subsequent Date: 1-6-07

Company: Pinnacle Laboratories Inc.

ANALYSIS REQUEST	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310) (270-SIMS)	General Chemistry:	PH, CI, SO ₄ , F, B ₁	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (6) Total + Hurdles	RCRA Metals by TCLP (Method 1311)	Metals: Dissolved: Co, Mn, K, Na	EC, TDS, Aik-Ground	NUMBER OF CONTAINERS
504.1 EDB ☐ DBCP ☐																	1
8021 (CUST)																	10
8021 (HALO)																	10
8021 (EDX)																	10
8021 (TCL)																	10
8021 (BTEX) ☐ MTBE ☐ DCE																	10
8021 (BTEX)/8015 (Gasoline) MTBE																	10
(M8015) Gas/Purge & Trap																	10
(MOD.8015) Diesel/Direct Inject																	10
Petroleum Hydrocarbons (418.1) TFRPH																	10

PLEASE FILL THIS FORM IN COMPLETELY.

