AP - 36

STAGE 1 & 2 WORKPLANS

DATE: 8/2003

STAGE 1 AND 2
ABATEMENT PLAN

AP-0036
1R-139

TNM 97-23 RELEASE SITE
Lea County, New Mexico
NW ¼ of the NE ¼ of Section 14, Township 22 South, Range 37 East
NE ¼ of the NE ¼ of Section 14, Township 22 South, Range 37 East
Latitude: 32° 23′ 45.3″ North
Longitude: 103° 07′ 51.8″ West
NMOCD I.D. No.: 1R-139

Prepared For:

EOTT Energy, LLC
5805 East Highway 80
Midland, Texas 79701

ETGI Project # EO2010

Prepared By:
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August 2003

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1.0 CHRONOLOGY OF EVENTS

October 22, 1997	C-141 Submitted to NMOCD by EOTT, Reported 617-Barrel Release, 400 Recovered, and Pipeline Repaired
November 1997	Excavation of Heavily Impacted Soil, Stockpiled On-site
January 13, 1998	KEI Oversees Excavation of Nine Test Pits in Areas Exhibiting Surface Staining, Soil Stockpiled On-site, Soil Samples Were Collected from Each Test Pit; Groundwater Monitor Well MW-1 Installed, Soil Samples Collected
January 14, 1998	KEI Oversees Drilling and Sampling of Soil Boring SB-1
January 21, 1998	KEI Oversees Deepening and Sampling of Test Pits T-3, T-5, T-6 and T-9
February 4, 1998	KEI Samples Groundwater Monitor Well MW-1
December 5, 1999	ETGI Samples Groundwater Monitor Well MW-1
August 23, 1999	ETGI Samples Groundwater Monitor Well MW-1
November 4, 1999	ETGI Samples Groundwater Monitor Well MW-1
January 13, 2000	ETGI Samples Groundwater Monitor Well MW-1
January 17-25, 2000	ETGI Installs Geoprobe® Sample Points GP-1 Through GP-79, Soil Samples Collected
February 11, 2000	ETGI Oversees Installation of Groundwater Monitor Wells MW-1 Through MW-4 and Soil Boring SB-2, Soil Samples Collected
February 16, 2000	ETGI Oversees Installation of Groundwater Monitor Well MW-5, Soil Samples Collected
February 25, 2000	Groundwater Monitor Wells MW-2 Through MW-5 Sampled
March 2, 2000	Select Geoprobe® Sample Points Reinstalled, Soil Samples Collected
May 18, 2000	Groundwater Monitor Wells MW-1 Through MW-5 Sampled
June 6, 2000	Groundwater Monitor Wells MW-1 Through MW-5 Sampled
September 15, 2000	Groundwater Monitor Wells MW-1 Through MW-5 Sampled

November 30, 2000	Groundwater Monitor Wells MW-1 Through MW-5 Sampled
March 16, 2001	Groundwater Monitor Wells MW-1 Through MW-5 Sampled
June 4, 2001	Groundwater Monitor Wells MW-1 Through MW-5 Sampled
September 24, 2001	Groundwater Monitor Wells MW-1 Through MW-5 Sampled
October 30, 2001	Groundwater Monitor Wells MW-1 Through MW-5 Sampled
December 2001	General Site Excavation Conducted, Soil Stockpiled On-site
January 28, 2002	Groundwater Monitor Wells MW-1 Through MW-3 and MW-5 Sampled, MW-4 Not Accessible Due to Site Excavation Activities
May 21, 2002	Groundwater Monitor Wells MW-1 Through MW-3 and MW-5 Sampled, MW-4 Not Accessible Due to Site Excavation Activities
September 19, 2002	Groundwater Monitor Wells MW-1 Through MW-3 and MW-5 Sampled, MW-4 Not Accessible Due to Site Excavation Activities
November-December 2002	Excavation Bottom and Sidewall Samples Collected
December 16, 2002	Groundwater Monitor Wells MW-1 Through MW-3 and MW-5 Sampled, MW-4 Not Accessible Due to Site Excavation Activities
February 24, 2003	Groundwater Monitor Wells MW-1 Through MW-3 and MW-5 Sampled, MW-4 Not Accessible Due to Site Excavation Activities
May 20, 2003	Groundwater Monitor Wells MW-1 Through MW-5 Sampled

2.0 INTRODUCTION AND SITE BACKGROUND

The site is located approximately three miles southeast of the town of Eunice, New Mexico, in the NW ¼ of the NE ¼ of Section 14 Township 22 South, Range 37 East and NE ¼ of the NE ¼ of Section 14 Township 22 South, Range 37 East. For reference, a site location and site map are provided as Figures 1 and 2, respectively. The contents of this report are intended to fulfill requirements promulgated in 19 New Mexico Administrative Code (NMAC) 15.A19.E (3) and 19.E (4) and 20.6.2.4106 (C) and (D) of the NMAC.

According to the release report filed by the Texas-New Mexico Pipeline Company (TNM), a release was discovered on the 14-inch sour crude main line on 22 October 1997. A copy of the release report is included as Appendix D. Approximately 617 barrels (bbl) of crude oil was released and 400 bbl were recovered during emergency response actions. The pipeline was immediately excavated and repaired by TNM. Following pipeline inspection and repair, the release was attributed to internal corrosion. As a consequence of the release, two elongate areas of hydrocarbon-impacted soil extend outward from the release point. One area extended approximately 600 feet to the west and the other approximately 200 feet to the north from the release point resulting in approximately 24,000 square feet of stained surface soil (Figure 2). One groundwater monitor well and one soil boring were advanced on-site, MW-1 and SB-1, in January 1998 under the supervision of KEI Consultants, Inc. (KEI). In order to characterize the vertical extent of hydrocarbon impact to subsurface soils below the surface stained area, nine test pits were excavated by KEI within the stained areas on January 13, 1998. The test pits were extended to depths varying from 3.5 to 8.5 feet below ground surface (bgs) and sampled for Total Petroleum Hydrocarbons – Diesel Range Organics (TPH-DRO) constituent concentrations by EPA Method SW 846-8015 M. Following a review of the soil sampling results, additional excavation and soil sampling was conducted on January 21, 1998 in test pits 3, 5, 6 and 9, respectively. These pits were deepened to depths varying from 10 to 15 feet bgs and sampled for Benzene, Toluene, Ethyl-benzene and Xylene (BTEX) constituent concentrations by EPA Method SW 846-8021B/5030 and TPH-DRO constituent concentrations by EPA Method SW-846 8015M. Tabulated results and copies of laboratory reports of soil and groundwater sampling conducted by KEI prior to the involvement of the Environmental Technology Group, Inc. (ETGI) are included with the *Subsurface Investigation Report, TNM-97-23* dated June 3, 1998 on file at the New Mexico Oil Conservation Division (NMOCD) office in Hobbs, New Mexico.

ETGI is submitting this Stage I and II Abatement Plan for EOTT Energy, LLC (EOTT) to document remedial actions completed at the site since ETGI has assumed control of remedial planning (January 2000). ETGI also proposes additional response actions designed to fulfill requirements necessary to complete plume delineation and achieve site closure as set forth by the State of New Mexico under NMAC Title 19 standards. The regulatory basis for this Stage 1 and Stage 2 Abatement Plan is 19 NMAC 15.1.19.E. (3) & 19.E (4), 20 NMAC 6.2.4106 (C) and (D) and the NMOCD guidance document *Guidelines for Remediation of Leaks, Spills, and Releases*, (August 1993).

A review of the data existing for this site indicated the following:

- The soil column consisted primarily of very fine grained, well sorted, unconsolidated sands varying in color from white to brown with imbedded caliche nodules underlain by a firm, red to brown clay unit;
- An undetermined volume of hydrocarbon impacted soil was excavated from nine test pits and stockpiled on site pending treatment by the previous consultant;
- Groundwater at the site occurs at depths varying from approximately 56 to 62 feet bgs (Table 1);
- The inferred groundwater gradient at the site trends to the southeast, (Figure 4);
- No Phase Separated Hydrocarbons (PSH) have been detected in any of the groundwater monitor wells or excavations on site;

- Excavation of petroleum contaminated soil on-site is incomplete.

3.0 SUMMARY OF RECENT FIELD ACTIVITIES

ETGI assumed control of oversight and design of remedial actions at the site and conducted site characterization activities utilizing a truck-mounted Geoprobe® rig in January 2000. A total of 79 Geoprobe® borings were installed to terminal depths varying from approximately 8 to 16 feet bgs and analyzed for Total Petroleum Hydrocarbons–Gasoline Range Organics/Diesel Range Organics (TPH-GRO/DRO) constituent concentrations (Figure 3). Soil samples displaying elevated PID readings (> 100 ppm) were also analyzed for BTEX constituent concentrations. Soil samples that did not exhibit any evidence of visual staining, olfactory evidence or PID readings were not submitted for laboratory analysis during the Geoprobe® investigation. Review of the analytical reports generated by laboratory analysis of soil samples obtained during the Geoprobe® investigation indicated soils impacted with TPH-GRO/DRO concentrations in excess of NMOCD regulatory standards were present at depths varying from 4 to 16 feet bgs in a number of the boring locations. The majority of impacted soil on site would be considered as unsaturated contaminated soil as characterized by NMOCD guidelines (August 1993). Four of the soil samples collected from sampling locations GP-35, GP-66 and GP-67, are considered highly contaminated/saturated soil. ETGI installed four groundwater monitor wells and one soil boring (MW-2 through MW-5 and SB-2) in February 2000 to further delineate the lateral and vertical extent of soil impacts existing on-site and to characterize the on-site groundwater. Excavation of the areas exhibiting surface staining was supervised by ETGI in December 2001 resulting in a trench approximately 600 feet by 20 feet by 6 feet trending to the west from the release point and a trench approximately 185 feet by 15 feet by 4 feet trending north to south, roughly centered on the release point (Figure 2). The north south trench was deepened to a depth of approximately 10 to 12 feet bgs in the area immediately below the release point. Approximately 4,000 cubic yards of soil are currently on-site pending approval of a soil abatement option by the NMOCD. Excavation bottom and sidewall sampling was conducted on 14 November and 12 December 2002, respectively. Review of the analytical reports of soil samples collected from the excavation bottom and side walls indicated soils impacted with TPH-GRO/DRO concentrations in excess of NMOCD regulatory standards remained in place on the walls and bottom of the excavated area. Remedial actions proposed to address the remaining impacted soil on-site are included in Section 4.1, Soil Remediation Options of this report. Boring logs generated during the Geoprobe® investigation and monitor well installation actions reflecting site lithology data and well completion details are included as Appendix A. Analytical results of the soil samples collected during Geoprobe® boring activities, monitor well installation and site excavation activities discussed here are provided in Tables 2 through 4. Cumulative groundwater elevation data, as recorded since February 2000, are provided in Table 1. A groundwater gradient map reflecting data gathered during the most recent monitoring event is attached as Figure 4. Copies of the laboratory reports generated from soil and groundwater sampling activities described herein are included as Appendix B. All soil samples were submitted under a completed chain-of-custody to Environmental Lab of Texas of Odessa, Texas and analyzed for TPH-GRO/DRO constituent concentrations utilizing EPA SW 846-8015M. Selected soil samples were analyzed for BTEX constituent concentrations utilizing EPA SW 846-8021B, 5030. Groundwater samples

were submitted under a completed chain-of-custody and analyzed for required constituents by the methods listed below:

- BTEX constituents using EPA Method SW 846-8021B, 5030;
- Polynuclear Aromatic Hydrocarbons (PAH) indicating semi-volatile constituent compounds using EPA Method SW-846-8270c;
- Total Dissolved Solids (TDS) using EPA Method SW 846-160.1;
- New Mexico Water Quality Control Commission (WQCC) Metals using EPA Method SW 846-6010;
- Chlorides using EPA Method SW 846-9253, and;
- Cations and anions using EPA Methods SW 846-6010 and 300.

4.0 GEOLOGY/HYDROGEOLOGY

4.1 Area Geology/Hydrogeology

The site is located approximately three miles south-southeast of the town of Eunice, New Mexico. This places it in the Southern Desertic Basins and Plains physiographic feature. The average surface elevation in the area ranges between 3,800 to 3,900 feet above sea level with the average surface topography sloping to the south and southeast at approximately 10 feet per mile. The groundwater gradient in the region appears to reflect the topography with a similar slope to the south and southeast with some local variations.

The site is located on the Pyote and Maljamar fine sands unit within the Pyote Series type soils. This mapping unit is about 45 percent Pyote fine sand, 45 percent Maljamar fine sand and 10 percent inclusions of Palomas and Kermit soils. This association consists of well-drained soils that have a fine sandy loam subsoil. They are found as eolian deposits on upland plains and alluvial fan deposits. Permeability is moderately rapid and runoff is very slow. Data collected by the United States Weather Bureau indicate that the average annual precipitation in the site vicinity is approximately 10 to 12 inches. This amount occurs primarily as storm events during the period between June and October. Water intake is rapid and the available water holding capacity is approximately 5 to 7 inches. Soil blowing is a severe hazard in areas dominated by this soil type. This soil is primarily utilized as rangeland, wildlife habitat and for recreational purposes.

In the site vicinity, the surface is composed of unconsolidated, wind blown sands and finer materials associated with the Tertiary aged Ogallala Formation, which serves as a major aquifer for southeastern New Mexico and several high plains states. Unconfined groundwater is typically present in these sands at varying depths and generally flows from the north to the south. This aquifer is typically characterized by relatively high hydraulic conductivity and transmissivity.

The Ogallala unconformably overlies the Triassic aged Dockum Group, locally referred to as the "red beds". While there are sand lenses within the Dockum Group, it is typically classified as an aquitard characterized by red silt and micaceous clay in which detectable groundwater is often absent or limited in extent. Where groundwater is present, the aquitard is usually characterized by relatively low hydraulic conductivity and transmissivity.

4.2 Site Geology/Hydrogeology

The surface unit consists of brown, very fine-grained, well-sorted sand to a depth of approximately 5 feet bgs. It is underlain by a tan to white, very fine-grained, well-sorted sand to a depth of approximately 12 feet bgs. A hard, white, sandy caliche unit varying in thickness from approximately two to five feet thick underlies the surficial sand units. Underlying the caliche unit is a white, very fine-grained, well-sorted sand unit of variable thickness with imbedded caliche nodules. This unit grades into a tan, very fine-grained, well-sorted sand unit with imbedded caliche nodules. A tan to white, very fine-grained, well-sorted sand with imbedded caliche nodules occupies the lower vadose and capillary fringe zones on-site. It is the most substantial unit penetrated during monitor well installation activities varying in thickness from approximately 18 feet in monitor well MW-2 to 33 feet in monitor well MW-4. Groundwater was encountered in this unit at depths varying from 56 feet bgs to 62 feet bgs. Groundwater elevation contours generated from the May 20, 2003 groundwater monitoring event water level measurements indicate a general gradient of approximately 0.003 ft/ft to the southeast as measured between groundwater monitor wells MW-2 and MW-3.

WQCC statute 20.6.2 Subpart lll.3101 and NMOCD Rule 19 NMAC 15.A.19.A state that groundwater with a TDS concentration of less than 10,000 mg/L is considered to be of present or reasonably foreseeable beneficial usage and is subject to abatement. All of the TDS concentrations recorded from analysis of the on-site groundwater are below this value therefore, the site groundwater qualifies for beneficial use and is subject to abatement to conform to standards as defined in the above referenced statutes.

4.3 New Mexico Oil Conservation Division (NMOCD) Soil Classification

Initial site excavation activities have removed the highly contaminated/saturated soils that were associated with the heavily stained surface soil. Hydrocarbon impacted soil identified during the initial site characterization action extend to depths of approximately 16 feet bgs in certain areas (Table 2). The depth to groundwater on-site is approximately 56 to 62 feet bgs indicating that the lowermost contaminants are within 50 feet of the seasonal high water level (Table 1). Based on the NMOCD soil classification system 20 points would be assigned to the site as a result of this criterion.

The water well database, maintained by the New Mexico State Engineer's Office, was accessed in order to determine the location and type of nearby water wells in the area (Appendix C). The database indicated that there are 21 water wells located within an approximate 1 square mile radius of the site with at least one well located within 1,000 feet of the site. Based on the NMOCD soil classification system 20 points would be assigned to the site as a result of this criterion.

An intermittent stream, the Monument Draw is located approximately 200 feet to the east of the site. Based on the NMOCD soil classification system 10 points would be assigned to the site as a result of this criterion. The NMOCD guidelines indicate that the site would have a

Ranking Score of >19. The soil action levels for a site with a Ranking Score of >19 points are as follows:

- Benzene - 10 ppm
- BTEX - 50 ppm
- TPH - 100 ppm

4.4 Distribution of Hydrocarbons in the Unsaturated Zone

Soil located near the surface within the heavily stained area and soil located at variable depths encountered during the installation of GeoProbe® sample points GP-9, GP-9A, GP-35, GP-65, GP-66, GP-67, GP-69, GP-71, GP-76, GP-78 and GP-79 is considered unsaturated contaminated soil as characterized by NMOCD (1993) guidelines due to elevated TPH-GRO/DRO constituent concentrations (Table 2). As indicated by a review of the laboratory reports generated from the GeoProbe® site characterization activities, the impacted soil is restricted to depths varying from the surface to approximately 16 feet bgs. Geoprobe® sampling points GP-71, GP-78 and GP-79 were duplicated on March 20, 2000 to collect a second sample from the most highly impacted soil in these areas. Soil samples collected from these sample points were analyzed for TPH-GRO/DRO constituent concentrations. A soil sample collected from sample point GP-79 was also analyzed for volatile and semi-volatile constituent concentrations for comparison with a crude oil sample collected from the pipeline. Review of the volatile and semi-volatile organic compound concentrations detected in these samples was inconclusive. As indicated by PID readings on the boring logs and laboratory analysis of soil samples collected during the installation of groundwater monitor wells MW-2, MW-3, and MW-5 and soil boring SB-2, soil in these areas has not been impacted by the on-site release (Appendix A). Review of the PID readings recorded during the installation of monitor well MW-4 indicate soil impacts from the surface to the terminus of the well. The decrease in magnitude of the readings from a depth of approximately 20 feet bgs to total depth of the borings suggests that the significant impacts were limited to the near surface area. The hard caliche layer encountered at approximately 12 feet bgs in monitor well MW-4 appears to have acted as a restrictive formation effectively reducing the volume of crude oil migrating downward in the soil column. The soil sample collected from a depth of approximately 20 feet bgs during the installation of monitor well MW-4 indicated a slight impact attributable to the on-site release. Soil samples collected from stockpiled soil indicate that a significant volume of impacted soil has been removed by the initial site excavation activities. Excavation bottom and sidewall sampling was conducted on November 14 and December 14, 2002, respectively. Review of the analytical reports generated by laboratory analysis of soil samples collected from the excavation bottom and side wall samples indicated soils impacted with TPH-GRO/DRO concentrations in excess of NMOCD regulatory standards remains in place in selected areas of the excavation walls and bottom.

The distribution of hydrocarbons in the unsaturated zone has been estimated by utilizing the following techniques:

- Visual observations of subsurface soil samples;
- Review of laboratory analyses of soil samples, and;
- Review of PID readings and notes on the boring logs.

4.5 Distribution of Hydrocarbons in the Saturated Zone

Dissolved phase BTEX constituent concentrations detected in groundwater samples collected from monitor wells MW-1, MW-3 and MW-5 have not exceeded NMOCD regulatory standards (Table 3). The dissolved phase benzene constituent concentration recorded at groundwater monitor well MW-2 exceeded the NMOCD regulatory standard in the fourth quarterly monitoring period in November 2000. Subsequent groundwater samples collected from monitor well MW-2 indicates benzene concentrations are below NMOCD regulatory standards. Laboratory analysis of groundwater samples collected from monitor well MW-4 between February 2000 to October 2001 indicate that the dissolved phase benzene constituent concentration exceeded the NMOCD regulatory standard. Due to site excavation activities, monitor well MW-4 was not sampled between November 2001 and April 2003. BTEX analysis of a groundwater sample obtained from monitor well MW-4 in May 2003 indicated that the dissolved phase benzene concentration was below the method detection limit of 0.001 mg/L. Review of the cumulative analytical results from groundwater sampling events indicated that benzene constituent concentrations were fluctuating over time in the area of monitor well MW-4.

Analysis for WQCC regulated metal constituents in the on-site groundwater indicates that dissolved phase concentrations of aluminum exceeded the regulatory standards at monitor wells MW-4 and MW-5. The WQCC regulatory standard for iron was exceeded in the on-site groundwater in all monitor wells (Table 4). Review of the analytical results resultant from semi-volatile (PAH) analysis did not indicate detectible concentrations of any of the listed chemicals (Table 5). A one-time groundwater sampling event on monitor well MW-4 for volatile organic constituents conducted on March 17, 2000 indicated a dissolved phase concentration of 2.57 mg/L of m-, p- xylenes that exceeded the regulatory standard (Table 6). Review of subsequent groundwater sampling results indicates that the total xylene concentrations observed at this monitor well had decreased substantially and are currently below the regulatory standard. Analysis of groundwater samples collected from on-site monitor wells indicate that TDS concentrations range from 1,342 mg/L to 15,657 mg/L (Table 7). The concentration of chlorides in on-site groundwater as determined from samples collected from on-site monitor wells vary from 319 mg/L to 2,437 mg/L. At the time of this report, there are no promulgated standards for chlorides in groundwater under Title 19 but a concentration of 250 mg/L is listed as the regulatory standard by the WQCC in the state of New Mexico, Title 20.6.2 NMAC.

5.0 ABATEMENT OPTIONS

5.1 Soil Abatement Options

Excavation activities have removed the highly contaminated/saturated soils on the site attributed to the pipeline release. Baseline sampling has been conducted on soil stockpiled on-site pending construction of a soil treatment cell. The relative cost of the remediation technologies is estimated below. Operational issues associated with each remedial technology are described in order to comparatively rate the viability of each remedial technology considered.

Abatement of impacted soil at the site is proposed using the following technologies:

1. Excavation and off-site disposal;
2. Excavation and on-site treatment, and;
3. Human-health based risk assessment.

Under the first scenario, the stockpiled soil would be transported and subsequently disposed of at an NMOCD approved solid waste disposal facility. This would be the most costly soil remedial method due to costs incurred from transportation and disposal at an approved facility.

The second soil remedial technology would vary from the above scenario in that the stockpiled soil would be spread onto a treatment cell and treated on-site until confirmation sampling indicated that remedial activities had achieved cleanup goals applicable for this site. Soil shredding and nutrient enhancement activities followed by on-site aeration would achieve site cleanup goals in a reasonable time frame. The shredded soil would be spread out onto the treatment cell area approximately 18 to 24 inches thick and sampled for BTEX and TPH-GRO/DRO constituent concentrations to obtain a baseline reference. Soil in the treatment cell would be alternately disked and wetted as needed to induce volatilization and activate the nitrogen-enriched nutrients to promote destruction of the residual hydrocarbon materials. This treatment method has proven successful when utilized at sites impacted by subsurface hydrocarbon releases. Following confirmation of attainment of site cleanup goals, backfilling activities utilizing the treated soil and seeding and watering of the backfilled area would conclude site soil remediation action.

The third remedial technology selected to meet NMOCD regulatory cleanup standards is that of a Human-Health Based Risk Assessment technology. A site-specific approach will be employed to assess the probability of likely human exposure pathways with evaluations of the individual constituents of BTEX and TPH concentrations remaining in the unexcavated soil. Analytical fate-and-transport modeling will provide a means of estimating exposure concentrations and developing risk-based soil and groundwater remediation standards. Under ASTME E-1739 "Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites," modeling is recommended as a conservative first step under Tiers 1 and 2 of the site evaluation process, prior to use of more complex numerical modeling methods under Tier 3.

5.2 Groundwater Abatement Options

An accurate estimate of the hydrological properties of the contaminated aquifer materials will require completion of either a 24-hour steady state draw down test, slug test or laboratory analysis of core samples. Analysis of the data gathered from aquifer testing or core sample analysis will enable reliable estimates of transmissive and storage properties needed as modeling parameters used to design and test groundwater treatment alternatives at the site. In order to assess the effectiveness of potential bioremediation alternatives at the site, sampling and analysis of the indigenous microbe colonies present in both the unsaturated and saturated zones would need to be conducted.

Abatement of impacted groundwater at the site is technically feasible using the following technologies:

1. Air sparging and vapor extraction;
2. Monitored natural attenuation/long term groundwater monitoring, and;
3. Human-health based risk assessment.

Data obtained from the slug test or analysis of core samples will be used to determine the permeability, porosity and hydraulic conductivity values of the impacted aquifer materials. An accurate estimate of these parameters is necessary since they control the movement of fluids and distribution of electron acceptors and nutrients in the effected aquifer

The first remedial technology considered for groundwater remediation at this site is the utilization of the combination of Air Sparging and Vacuum/Vapor Extraction technologies (AS/VE). Air sparging remediates the groundwater by stripping or volatilizing the BTEX constituents out of the dissolved phase and also by increasing in-situ biodegradation by the addition of oxygen to the impacted groundwater. As BTEX constituents are liberated from the aqueous phase and enter the gas phase, they migrate to the capillary fringe and subsequently the vadose zone. Vacuum/vapor extraction wells installed at these depths induce pressure gradients in the vadose zone, capturing the gaseous phase BTEX constituents for removal and treatment on the surface. This treatment technique would effectively remove BTEX constituents from the saturated and vadose zones. A groundwater monitoring program would be designed to monitor dissolved phase BTEX constituents and dissolved oxygen.

A single injection well pilot test will be conducted to test the applicability of this remedial technology at this site. A skid mounted compressor and vapor treatment unit as well as three vadose zone monitoring wells and three vapor extraction wells will be utilized for pilot testing purposes. The following in-situ parameters will be monitored during pilot testing: soil gas concentrations of BTEX constituents, soil gas pressure/vacuum and groundwater level measurements. The following in-situ parameters will be monitored after the air injection is turned off: dissolved phase BTEX concentration, dissolved oxygen levels and temperature, and Redox potential/pH. If possible the existing groundwater monitor well, MW-4, will be utilized as the injection well for pilot testing purposes. If well construction parameters of this existing monitor well are not conducive for pilot testing purposes, a new well will be installed for testing purposes. The 2-inch, schedule 40 PVC injection well will penetrate the saturated zone with approximately 5 feet of fully immersed, 0.020-inch slotted pipe. Air compressor(s) will be utilized to generate the required air pressure for injection purposes. The vapor recovery (VR) well field design will be triangular in shape with the terminus of the intake piping located just above the approximate capillary fringe. Down-hole construction details of the VR wells includes an approximate 10 foot length of 4-inch, 0.020-inch slotted, schedule 40 PVC pipe connected to 4-inch PVC riser piping to the surface. On the surface the VR wells will be piped to an activated carbon filtering system for effluent gas treatment prior to atmospheric discharge. A moisture knock out pot will be installed down line of the effluent piping manifold to prevent moisture from entering the carbon treatment unit. The AS/VE system will generally consist of a compressor, pressure regulator, pressure gauges, flow meters, vacuum blower, component isolation ball valves and an effluent gas treatment device connected with schedule 40 PVC pipe. In-situ system operating parameters which will be

monitored during system operation include: soil gas concentrations of BTEX constituents, injection well pressure and flow rate, SVE well vacuum and flow rate, extraction vapor concentrations, weekly oxygen, carbon dioxide, nitrogen and methane concentrations and the pulsing frequency.

The 2-inch, schedule 40 PVC injection well will penetrate the saturated zone with approximately 5 feet of fully immersed, 0.020-inch slotted pipe. An air compressor will be utilized to generate the required air pressure for the injection wells. On the surface the VR wells will be piped to an activated carbon filtering system for effluent gas treatment prior to atmospheric discharge. A moisture knock out pot will be installed down line of the effluent piping manifold to prevent moisture from entering the carbon treatment unit. Surface piping will include influent and effluent sampling ports, pressure and temperature gauges, an air flow meter and a flow shut-off valve upstream of the carbon unit. Data derived from pilot testing will be utilized to design the final AS/VE system configuration utilized on-site. Because of the limited area impacted by dissolved phase hydrocarbons on-site and decreasing concentrations, utilization of AS/VE technology would not be considered cost effective.

The second remedial technology selected to meet NMOCD regulatory cleanup standards at this site is utilization of a Monitored Natural Attenuation/Long Term Groundwater Monitoring technology (NA/LT). This technology relies on naturally occurring processes such as dispersion, diffusion, sorption and degradation (either biodegradation or abiotic processes such as hydrolysis), volatilization and dilution to control plume movement and destruction of dissolved phase hydrocarbons in the groundwater. Volatilization and diffusion are relatively unimportant in most non-clay groundwater systems; therefore, the main attenuation processes are dispersion, sorption, degradation and dilution. Dispersion is subsurface mixing due to groundwater movement and aquifer heterogeneities. The limited size of the impacted groundwater area at this site reduces the attenuation effects of dispersion since longitudinal and transverse dispersion components are observed to be more substantial in extended plumes, e.g. 4,000 to 5,000 feet in length. Vertical dispersion is not common at sites impacted with light non-aqueous phase liquids such as crude oil so this component may be disregarded. Sorption is a nondestructive process in which hydrocarbon compounds are sorbed to the aquifer matrix, represented by a retardation factor. Sorption operates as an attenuation process by effectively reducing the mass available to the dissolved phase plume. Biodegradation involves chemical transformation of the hydrocarbon constituents into mineralized end products, for instance CO_2, H_2O and salts, by living organisms. Occasionally, metabolic activity does change the chemical form of the hydrocarbon constituents but does not conclude with mineralization; this is referred to as biotransformation. Of particular importance in this pathway of attenuation is the determination of whether the impacted area is controlled by either anaerobic or aerobic conditions. Aerobic conditions exist under relatively oxygen rich environments resulting in compounds being formed through the reaction of available oxygen and dissolved phase hydrocarbons transforming into H_2O. Anaerobic conditions are relatively oxygen poor environments and result in transformations into of nitrate, ferric iron, sulfate and carbon dioxide products. Dilution is mixing of the plume with groundwater flowing through the effected area. It becomes an important process in natural attenuation when the impacted groundwater enters a zone where significant surface recharge enters the impacted aquifer. There are no such zones that have been identified on-site therefore, dilution is not expected to be an active process when utilizing NA/LT technology.

Geochemical indicators and concentration migration rate calculations will be utilized to determine if dissolved phase hydrocarbons at this site are susceptible to natural attenuation. Because of the limited area impacted by dissolved phase hydrocarbons on-site, utilization of monitored natural attenuation/long term groundwater monitoring technology could be considered cost effective.

The third remedial technology selected to meet NMOCD regulatory cleanup standards at this site is utilization of a Human-Health Based Risk Assessment technology. A site-specific approach will be employed to assess the probability of likely human exposure pathways with evaluations of the individual constituents of BTEX and TPH-GRO/DRO concentrations present in the soil and the groundwater. Analytical fate-and-transport modeling will provide a means of estimating exposure concentrations and developing risk-based soil and groundwater remediation standards. Under ASTME E-1739 "Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites," modeling is recommended as a conservative first step under Tiers 1 and 2 of the site evaluation process, prior to use of more complex numerical modeling methods under Tier 3.

In order to prevent subsequent unintended or accidental human exposure to petroleum hydrocarbon constituents remaining on-site following a risk based scenario, the specific site area will be deed restricted preventing future consideration of development or improvements in the county clerk office, Lovington, Lea County, New Mexico.

6.0 SUMMARY AND CONCLUSIONS

The site has an NMOCD Ranking Score of >19 points. The soil action levels for a site with this score are as follows:

- Benzene - 10 ppm
- BTEX - 50 ppm
- TPH - 100 ppm

A total of 79 Geoprobe® borings and four groundwater monitor wells (MW-2 through MW-5) were installed within the time frame of events described in this report. Additionally, hydrocarbon impacted soil located beneath the stained areas was also excavated and stockpiled for on-site treatment.

Review of the analytical reports generated by laboratory analysis of soil samples obtained during the Geoprobe® investigation indicated soils impacted with TPH-GRO/DRO concentrations in excess of NMOCD regulatory standards were present at depths varying from 4 to 16 feet bgs in a number of the boring locations. The majority of impacted soil on site would be considered as unsaturated contaminated soil as characterized by NMOCD guidelines (August 1993). Soil samples collected from sampling locations GP-9A 005-16', GP-35 002-8', GP-66 002-12', GP-66 004-16', GP-67 003-12' and GP-71 004-16' are considered highly contaminated/saturated soil. ETGI installed four groundwater monitor wells (MW-2 through MW-5) in February 2000 to further delineate the lateral and vertical

extent of soil impacts existing on-site and to characterize the on-site groundwater. Analysis of the soil sampling results generated during installation of these monitor wells did not indicate significant hydrocarbon impacts in the areas of these monitor wells.

Excavation of the areas exhibiting surface staining was supervised by ETGI in December 2001 resulting in a trench approximately 600 feet by 20 feet by 6 feet trending to the west from the release point and a trench approximately 185 feet by 15 feet by 4 feet trending north to south, roughly centered on the release point (Figure 2). The north south trench was deepened to a depth of approximately 10 to 12 feet bgs in the area immediately below the release point. Excavation bottom and sidewall sampling was conducted on November 14 and December 12, 2002, respectively. Review of the analytical reports generated by laboratory analysis of soil samples collected from the excavation bottom and side walls indicated soils impacted with TPH-GRO/DRO concentrations in excess of NMOCD regulatory standards remained in place on the walls and bottom of the excavated area.

Dissolved phase BTEX constituent concentrations detected in groundwater samples collected from monitor wells MW-1, MW-3 and MW-5 have not exceeded NMOCD regulatory standards. The dissolved phase benzene constituent concentration recorded at monitor well MW-2 exceeded the NMOCD regulatory standard in the fourth quarterly monitoring period in November 2000 only. Subsequent groundwater samples collected from monitor well MW-2 indicates benzene concentrations have decreased to levels at or below method detection limits which is considerably below NMOCD regulatory standards. Laboratory analysis of groundwater samples collected from monitor well MW-4 between February 2000 to October 2001 indicate that the dissolved phase benzene constituent concentration exceeded the NMOCD regulatory standard. Due to site excavation activities, monitor well MW-4 was not sampled between November 2001 and April 2003. BTEX analysis of a groundwater sample obtained from monitor well MW-4 in May 2003 indicated that the dissolved phase benzene concentration was below the method detection limit of 0.001 mg/L. Review of the cumulative analytical results from groundwater sampling events indicate that benzene constituent concentrations were fluctuating over time in the area of monitor well MW-4. Excavation of the highly impacted surface soil surrounding monitor well MW-4 has apparently removed a majority of the residually impacted soil that was acting as the source area for groundwater impact in the area.

ETGI recommends utilization of the second soil treatment method described in Section 5.1, Soil Abatement Options to achieve site cleanup goals in the soil currently stockpiled on-site. Utilization of the third remediation technology described in Section 5.1 Soil Abatement Options is recommended to address impacted soil remaining in place. Utilization of the third groundwater remediation option described in Section 5.2 Groundwater Abatement Options is recommended to address on-site groundwater conditions and achieve site closure. The following assumptions and observations qualify this site for eventual closure from the NMOCD utilizing a human-health risk based assessment technology:

- Exposure Setting: depth to remaining impacted soil is >8 feet bgs and impacted groundwater >56 feet bgs;
- At Risk Population: technicians, heavy equipment operators, laborers, site supervisory personnel and local downwind population during soil treatment activities;

- Exposure Pathways: inhalation and ingestion when manipulating stockpiled soil in the treatment cells and groundwater sampling during regularly scheduled monitoring events, and;
- Exposure Points: soil and groundwater possibilities to the at-risk population identified above.

At this time, the existence of a threat to human exposure to petroleum hydrocarbon impacted soil at this site is limited; the work site is currently surrounded with barbed-wire fencing. Personnel associated with soil treatment and groundwater sampling activities are OSHA trained, experienced in soil and groundwater investigation and sampling methods and will be utilizing personal protective equipment while conducting site investigation activities. Filing of Deed Restriction documentation restricting future development or improvements to the area defined in this report in the county clerks office in Lovington, Lea County, New Mexico will reduce the potential for human exposure to the regulated constituents which may remain on-site following risk based site closure.

7.0 SCHEDULE OF ABATEMENT PLAN ACTIVITIES

Following NMOCD approval of this Stage 1 and 2 Abatement Plan, ETGI will schedule construction of a soil treatment cell measuring approximately 400 feet in length by 100 feet in width on the north side of the excavated area. Stockpiled soil will be transferred to the cell as described in Section 5.1, Soil Abatement Options, as Abatement Plan cleanup goals are achieved, treated soil will be utilized as backfill material and returned to the excavation. Completion of backfilling activities utilizing the treated soil and site reseeding would conclude site soil remedial action. A risk assessment will be conducted to identify groundwater closure standards applicable for this site. Following completion of the risk assessment and NMOCD approval of subsequent recommendations, a site closure request report documenting all remedial actions conducted on-site will be submitted to the appropriate regulatory agency offices.

8.0 MONITORING PROGRAM

All site monitoring wells will be gauged and sampled on a quarterly basis. Each well will be monitored for the presence of PSH and/or depth to groundwater. All of the groundwater monitoring wells, with the exception of those registering a presence of PSH, will be purged and sampled for dissolved phase BTEX constituents. Groundwater sampling methodology proposed at this site is described in Section 7.2, Groundwater Sampling of this report.

The quarterly groundwater monitoring data will be compiled and summarized in an annual report. The annual report will be submitted prior to April 1 of the following calendar year according to NMOCD guidelines.

9.0 QA/QC PROCEDURES

9.1 Soil Sampling

Samples of subsurface soils will be obtained utilizing a split spoon sampler. Representative soil samples will be divided into two separate portions using clean, disposable gloves and clean sampling tools. One portion of the soil sample will be placed in a zip-lock baggie. The baggie will be labeled and sealed for headspace analysis using a photoionization detector calibrated to a 100-ppm isobutylene standard. Each sample will be allowed to volatilize for approximately thirty minutes at ambient temperature prior to conducting the analysis. The soil sample registering the highest PID reading and any sample with a PID reading greater than or equal to 100 ppm will be selected for laboratory analysis.

The other portion of the soil sample will be placed in a sterile glass container equipped with a Teflon-lined lid furnished by the analytical laboratory. The container will be filled to capacity to limit the amount of headspace present. Each container will be labeled and placed on ice in an insulated cooler and sealed for shipment to the laboratory. Proper chain-of-custody documentation will be maintained throughout the sampling process.

Soil samples will be delivered to Environmental Lab of Texas, in Odessa, Texas for BTEX, TPH, and Water Quality Metals analyses using the methods described below. All samples will be analyzed within the appropriate holding times following the collection date.

- BTEX concentrations in accordance with EPA SW 846 Method 8021B, 5030;
- TPH concentrations in accordance with EPA SW 846 Method 8015M GRO/DRO, and;
- NMWQCC regulated metals in accordance with EPA SW Methods 6010B and 7470.

Core samples will be collected utilizing a Shelby tube sampling device, wrapped in plastic and sealed with duct tape. The core sample will be delivered to South West Laboratory, Inc. in Houston, Texas and analyzed for:

- Hydraulic conductivity in accordance with ASTM Method D5084;
- Moisture content in accordance with ASTM Method D2216;
- Wet and dry bulk density in accordance with ASTM Method D2937, and;
- Fractional organic carbon in accordance with ASTM Method D2974.

9.2 Groundwater Sampling

After purging the wells, groundwater samples will be collected with a disposable Teflon sampler and polyethylene line by personnel wearing clean, disposable gloves. Groundwater sample containers will be filled in the order of decreasing volatilization sensitivity [i.e., BTEX containers will be filled first, polynuclear aromatic hydrocarbons (PAH) containers second and RCRA metals last].

Groundwater samples collected for BTEX analysis will be placed in 40 mL glass VOA vials equipped with Teflon lined caps, provided by the analytical laboratory. The vials will be

filled to a positive meniscus, sealed, and visually checked to ensure the absence of air bubbles.

The filled containers will be labeled and placed on ice in an insulated cooler. The cooler will be sealed for transportation to the analytical laboratory. Proper chain-of-custody documentation will be maintained throughout the sampling process.

Groundwater samples will be delivered to AnalySys, Inc. of Austin, Texas, for analyses using the methods described below. All groundwater samples collected from existing monitoring wells will be analyzed for dissolved-phase BTEX concentrations in accordance with EPA Method 8021B, 5030. All groundwater samples collected from the newly installed monitoring wells will be analyzed for:

- BTEX constituents in accordance with EPA Method 8021B, 5030;
- PAH semi-volatile constituents in accordance with EPA Method 8270c;
- TDS in accordance with EPA Method 160.1;
- Anions and cations in accordance with EPA Methods 300 and 6010, and;
- RCRA metals in accordance with EPA Method 6010B, 7470.

9.3 Decontamination Of Equipment

Cleaning of drilling equipment is the responsibility of the drilling company. In general, the cleaning procedures will consist of using high-pressure steam to wash the drilling and sampling equipment prior to drilling and prior to starting each hole. Prior to use, the split spoon sampling tool will be cleaned with Liqui-Nox® detergent and rinsed with distilled water.

9.4 Laboratory Protocol

The laboratory will be responsible for proper QA/QC procedures after signing the chain-of-custody form. These procedures are either transmitted with the laboratory reports or are on file at the laboratory.

10.0 LIMITATIONS

Environmental Technology Group, Inc. has prepared this Stage I and Stage II Abatement Plan to the best of its ability. No other warranty, expressed or implied, is made or intended.

Environmental Technology Group, Inc. has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Environmental Technology Group, Inc. has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Environmental Technology Group, Inc. has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Environmental Technology Group, Inc. also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of EOTT. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Environmental Technology Group, Inc. and/or EOTT.

11.0 REFERENCES

Guidelines for Remediation of Leaks, Spills and Releases; August 1993 (NMOCD, 1993).

Title 19.15.1.19 NMAC: Prevention and Abatement of Water Pollution; 15 March 1997.

Title 20.6.2 NMAC: New Mexico Water Quality Control Commission Regulations; 1 December 2001.

Subsurface Investigation Report Monitoring Well MW-1, Soil Boring SB-1, Texas-New Mexico Pipeline Company, TNM 97-23, Eunice, New Mexico; KEI Consultants, 3 June 1998.

Ground-Water Report 6, Geology and Ground-Water Conditions in Southern Lea County, New Mexico; Alexander Nicholson, Jr. and Alfred Clebsch Jr.; United States Geological Survey, New Mexico State Bureau of Mines and Mineral Resources, 1961.

Soil Survey - Lea County, New Mexico; U.S. Department of Agriculture, Soil Conservation Service, 1994.

Remediation Engineering Design Concepts; Suthan S. Suthersan, Lewis Publishers, CRC Press, 1997.

Groundwater Contamination, Transport and Remediation, 2 ed.; Bedient, Rifai and Newell, Prentice Hall, 1999.

Practical Techniques for Groundwater and Soil Remediation; Evan K. Nyer, CRC Press LLC, 1993.

Remediation of Petroleum Contaminated Soils; Eve-Riser-Roberts, Lewis Publishers, CRC Press, 1998.

TABLES

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97- 23
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2010

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	11/04/99	3,338.00	-	59.26	0.00	3278.74
	02/25/00	3,338.00	-	59.33	0.00	3,278.67
	06/06/00	3,338.00	-	59.36	0.00	3,278.64
	09/15/00	3,338.00	-	59.42	0.00	3,278.58
	11/30/00	3,338.00	-	59.44	0.00	3,278.56
	03/16/01	3,338.00	-	59.38	0.00	3,278.62
	06/04/01	3,338.00	-	59.39	0.00	3,278.61
	09/24/01	3,338.00	-	59.48	0.00	3,278.52
	10/30/01	3,338.00	-	59.45	0.00	3,278.55
	01/28/02	3,338.00	-	59.54	0.00	3,278.46
	05/21/02	3,338.00	-	59.57	0.00	3,278.43
	09/19/02	3,338.00	-	59.71	0.00	3,278.29
	12/16/02	3,338.00	-	59.64	0.00	3,278.36
	02/24/03	3,338.00	-	59.72	0.00	3,278.28
	05/20/03	3,338.00	-	59.72	0.00	3,278.28
MW - 2	02/25/00	3,336.79	-	58.57	0.00	3,278.22
	06/06/00	3,336.79	-	58.60	0.00	3,278.19
	09/15/00	3,336.79	-	58.66	0.00	3,278.13
	11/30/00	3,336.79	-	58.66	0.00	3,278.13
	03/16/01	3,336.79	-	58.62	0.00	3,278.17
	06/04/01	3,336.79	-	58.63	0.00	3,278.16
	09/24/01	3,336.79	-	58.61	0.00	3,278.18
	10/30/01	3,336.79	-	58.72	0.00	3,278.07
	01/28/02	3,336.79	-	58.74	0.00	3,278.05
	05/21/02	3,336.79	-	58.78	0.00	3,278.01
	09/19/02	3,336.79	-	58.70	0.00	3,278.09
	12/16/02	3,336.79	-	58.64	0.00	3,278.15
	02/24/03	3,336.79	-	58.76	0.00	3,278.03
	05/20/03	3,336.79	-	58.87	0.00	3,277.92

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97- 23
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2010

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	02/25/00	3,339.32	-	61.89	0.00	3,277.43
	06/06/00	3,339.32	-	61.91	0.00	3,277.41
	09/15/00	3,339.32	-	61.98	0.00	3,277.34
	11/30/00	3,339.32	-	62.00	0.00	3,277.32
	03/16/01	3,339.32	-	61.95	0.00	3,277.37
	06/04/01	3,339.32	-	61.95	0.00	3,277.37
	09/24/01	3,339.32	-	61.99	0.00	3,277.33
	10/30/01	3,339.32	-	62.22	0.00	3,277.10
	01/28/02	3,339.32	-	62.05	0.00	3,277.27
	05/21/02	3,339.32	-	62.05	0.00	3,277.27
	09/19/02	3,339.32	-	62.17	0.00	3,277.15
	12/16/02	3,339.32	-	62.04	0.00	3,277.28
	02/24/03	3,339.32	-	62.18	0.00	3,277.14
	05/20/03	3,339.32	-	62.14	0.00	3,277.18
MW - 4	02/25/00	3,335.50	-	56.81	0.00	3,278.69
	06/06/00	3,335.50	-	56.82	0.00	3,278.68
	09/15/00	3,335.50	-	56.85	0.00	3,278.65
	11/30/00	3,335.50	-	56.85	0.00	3,278.65
	03/16/01	3,335.50	-	56.74	0.00	3,278.76
	06/04/01	3,335.50	-	56.76	0.00	3,278.74
	09/24/01	3,335.50	-	56.83	0.00	3,278.67
	10/30/01	3,335.50	-	56.87	0.00	3,278.63
*	01/28/02	3,335.50	-	-	-	-
*	05/21/02	3,335.50	-	-	-	-
*	09/19/02	3,335.50	-	-	-	-
*	12/16/02	3,335.50	-	-	-	-
*	02/24/03	3,335.50	-	-	-	-
	05/20/03	3,335.50	-	56.92	0.00	3,278.58
MW - 5	02/25/00	3,337.21	-	59.35	0.00	3,277.86
	06/06/00	3,337.21	-	59.38	0.00	3,277.83
	09/15/00	3,337.21	-	59.45	0.00	3,277.76
	11/30/00	3,337.21	-	59.44	0.00	3,277.77

TABLE 1

GROUNDWATER ELEVATION

EOTT ENERGY, LLC
TNM 97- 23
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2010

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	03/16/01	3,337.21	-	59.42	0.00	3,277.79
MW - 5	06/04/01	3,337.21	-	59.42	0.00	3,277.79
	09/24/01	3,337.21	-	59.46	0.00	3,277.75
	10/30/01	3,337.21	-	59.51	0.00	3,277.70
	01/28/02	3,337.21	-	59.50	0.00	3,277.71
	05/21/02	3,337.21	-	59.65	0.00	3,277.56
	09/19/02	3,337.21	-	59.59	0.00	3,277.62
	12/16/02	3,337.21	-	59.51	0.00	3,277.70
	02/24/03	3,337.21	-	59.61	0.00	3,277.60
	05/20/03	3,337.21	-	59.66	0.00	3,277.55

* Inaccessible due to excavation

TABLE 2

CONCENTRATIONS OF BTEX AND TPH IN SOIL

EOTT ENERGY, LLC
TNM 97-23
EUNICE, NEW MEXICO
PROJECT # EO 2010

All concentrations are in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8020, 8021B, 5030				METHOD: EPA SW 846-8015M GRO/DRO	
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	GRO	DRO
GP1 001-4'	01/17/00					<10	<10
GP1 003-8'	01/17/00					<10	13
GP2 001-4'	01/17/00					<10	<10
GP2 003-8'	01/17/00					<10	<10
GP3 001-4'	01/17/00					<10	<10
GP3 003-8'	01/17/00					<10	<10
GP4 001-4'	01/17/00					<10	<10
GP4 002-8'	01/17/00					<10	23
GP5 001-4'	01/17/00					<10	<10
GP5 004-11.5'	01/17/00					<10	<10
GP6 001-4'	01/17/00					<10	<10
GP6 002-8'	01/17/00					<10	<10
GP7 001-4'	01/17/00					<10	<10
GP7 002-8'	01/17/00					<10	<10
GP8 001-4'	01/17/00					<10	<10
GP8 002-8'	01/17/00					<10	<10
GP9 001-4'	01/20/00					<10	<10
GP9 002-8'	01/17/00					1711	4198
GP9A 005-16'	01/18/00					4188	6621
GP9A 006-19'	01/18/00					<10	137
GP9B 002-8'	01/18/00					<10	13
GP17 001-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP17 003-1'	03/02/00	<0.100	<0.100	<0.100	0.137	<10	709
GP35 001-1'	03/02/00	<0.100	0.260	1.05	3.62	1408	6009
GP35 002-1'	03/02/00	<0.100	0.775	6.95	15.01	2071	12213
GP35 003-1'	03/02/00	<0.100	56.9	6.43	124.3	3348	5508
GP35 004-1'	03/02/00	<0.100	46.9	7.82	97.0	2784	4980
GP49 001-1'	03/02/00	<0.100	0.204	<0.100	0.165	32	620
GP49 002-1'	03/02/00	<0.100	<0.100	<0.100	0.501	<10	377
GP49 003-1'	03/02/00	<0.100	<0.100	2.38	16.25	702	2064
GP49 004-1'	03/02/00	<0.100	<0.100	2.79	16.92	1240	3000
GP49 005-1'	03/02/00	<0.100	<0.100	<0.100	0.111	<10	<10
GP50 001-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP50 002-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP51 001-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP51 002-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10

TABLE 2

CONCENTRATIONS OF BTEX AND TPH IN SOIL

EOTT ENERGY, LLC
TNM 97-23
EUNICE, NEW MEXICO
PROJECT # EO 2010

All concentrations are in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8020, 8021B, 5030				METHOD: EPA SW 846-8015M GRO/DRO	
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	GRO	DRO
GP52 001-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP52 002-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP53 001-1'	03/02/00	<0.100	0.155	<0.100	<0.100	<10	<10
GP53 002-1'	03/02/00	<0.100	0.129	<0.100	<0.100	<10	<10
GP56 001-1'	03/02/00	<0.100	0.202	<0.100	0.151	<10	<10
GP56 002-1'	03/02/00	<0.100	0.115	<0.100	<0.100	<10	<10
GP57 001-1'	03/02/00	<0.100	<0.100	0.179	0.854	<10	<10
GP57 002-1'	03/02/00	<0.100	<0.100	<0.100	0.523	<10	<10
GP58 001-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP58 002-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP59 001-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP59 002-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP60 001-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP60 002-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP61 001-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP61 002-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP62 001-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP62 002-1'	03/02/00	<0.100	<0.100	<0.100	<0.100	<10	<10
GP63 001 4'	01/25/00					2294	3240
GP63 002 8'	01/25/00					<10	<10
GP63 003 12'	01/25/00					<10	<10
GP64 001 4'	01/25/00					906	2759
GP64 002 8'	01/25/00					306	1110
GP64 003 12'	01/25/00					330	938
GP64 004 16'	01/25/00					<10	<10
GP65 001 4'	01/25/00					2282	4237
GP65 002 8'	01/25/00					1368	2561
GP65 003 12'	01/25/00					3350	5739
GP65 004 16'	01/25/00					3378	5119
GP65 005 20'	01/25/00					<10	<10
GP66 001 4'	01/25/00					2993	4428
GP66 002 8'	01/25/00					845	677
GP66 003 12'	01/25/00					9391	12666
GP66 004 16'	01/25/00					6670	9700
GP67 001 4'	01/25/00					2664	4915
GP67 002 8'	01/25/00					1474	2454

TABLE 2

CONCENTRATIONS OF BTEX AND TPH IN SOIL

EOTT ENERGY, LLC
TNM 97-23
EUNICE, NEW MEXICO
PROJECT # EO 2010

All concentrations are in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8020, 8021B, 5030				METHOD: EPA SW 846-8015M GRO/DRO	
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	GRO	DRO
GP67 003 12'	01/25/00					5088	6370
GP67 004 16'	01/25/00					<10	<10
GP68 001-4'	01/25/00					826	4826
GP68 002-8'	01/25/00					<10	95
GP68 003-12'	01/25/00					<10	69
GP68 004-16'	01/25/00					<10	<10
GP69 001-4'	01/25/00					2388	4374
GP69 002-8'	01/25/00					<10	92
GP69 003-12'	01/25/00					<10	17
GP69 004-16'	01/25/00					<10	11
GP70 001-4'	01/25/00					<10	33
GP70 002-8'	01/25/00					<10	25
GP71 001-4'	01/25/00					<10	31
GP71 002-8'	01/25/00					214	842
GP71 003-12'	01/25/00					2613	4050
GP71 004-16'	01/25/00					8555	11326
GP71	03/20/00					402	7089
GP72 001-4'	01/25/00					<10	20
GP72 002-8'	01/25/00					<10	53
GP72 003-12'	01/25/00					<10	<10
GP73 001-4'	01/25/00					463	1709
GP73 002-8'	01/25/00					1324	2353
GP74 001-4'	01/25/00					<10	<10
GP74 002-8'	01/25/00					<10	24
GP74 003-12'	01/25/00					<10	<10
GP75 001-4'	01/25/00					406	752
GP75 002-8'	01/25/00					1336	2266
GP75 003-12'	01/25/00					<10	<10
GP76 001 4'	01/25/00					2933	5121
GP76 002-8'	01/25/00					1144	2202
GP76 003-12'	01/25/00					1446	3212
GP76 004-16'	01/25/00					<10	<10
GP77 001-4'	01/25/00					<10	<10
GP77 002-8'	01/25/00					<10	21
GP77 003-12'	01/25/00					<10	<10
GP78 001-4'	01/25/00					1168	2289

TABLE 2

CONCENTRATIONS OF BTEX AND TPH IN SOIL

EOTT ENERGY, LLC
TNM 97-23
EUNICE, NEW MEXICO
PROJECT # EO 2010

All concentrations are in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8020, 8021B, 5030				METHOD: EPA SW 846-8015M GRO/DRO	
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	GRO	DRO
GP78 002-8'	01/25/00					1655	2761
GP78 003-12'	01/25/00					3222	5592
GP78 004-16'	01/25/00					<10	<10
GP78	03/20/00					207	6764
GP79 001-4'	01/25/00					612	1137
GP79 002-8'	01/25/00					2654	4130
GP79 003-12'	01/25/00					127	352
GP79 004-16'	01/25/00					<10	<10
GP79	03/20/00					148	9339
MW - 2 (55')	02/11/00	<0.100	<0.100	<0.100	<0.100	<10	<10
MW - 3 (55')	02/11/00	<0.100	<0.100	<0.100	<0.100	<10	<10
MW - 4 (20')	02/11/00	<0.100	<0.100	<0.100	<0.100	<10	52
MW - 4 (55')	02/11/00	<0.100	<0.100	<0.100	<0.100	<10	<10
MW - 5 (55')	02/16/00	<0.100	<0.100	<0.100	<0.100	<10	<10
SB - 2 (55')	02/11/00	<0.100	<0.100	<0.100	<0.100	<10	<10
Sample 1	01/07/02	<0.025	0.032	<0.025	<0.025	<10	254
Sample 2	01/07/02	<0.025	0.053	0.035	0.470	78.0	3980
Sample 3	01/07/02	0.046	0.185	0.343	2.386	314	3980
Sample 4	01/07/02	<0.025	0.072	0.199	1.566	405	4950
Stockpile 1 Comp	11/14/02	<0.025	<0.025	<0.025	0.054	15.8	1660
Stockpile 2 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	29.3	1300
Stockpile 3 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	49.9	2340
Stockpile 4 Comp	11/14/02	0.042	0.178	0.086	0.675	38.0	1820
Stockpile 5 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	24.1	936
Stockpile 6 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	21.0	1120
Stockpile 7 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	17.0	744
Stockpile 8 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	34.6	1130
Stockpile 9 Comp	11/14/02	<0.025	0.114	0.223	2.327	435	5910
Stockpile 10 Comp	11/14/02	<0.025	<0.025	0.034	0.151	213	4660
Stockpile 11 Comp	11/14/02	<0.025	0.062	0.039	0.182	55.4	1820
Stockpile 12 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	10.5	482
Stockpile 13 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	56.2	3600
Stockpile 14 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	12.8	658
Stockpile 15 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	31.2	1780
Stockpile 16 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	<10.0	406
Stockpile 17 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	<10.0	204

TABLE 2

CONCENTRATIONS OF BTEX AND TPH IN SOIL

EOTT ENERGY, LLC
TNM 97-23
EUNICE, NEW MEXICO
PROJECT # EO 2010

All concentrations are in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8020, 8021B, 5030				METHOD: EPA SW 846-8015M GRO/DRO	
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	GRO	DRO
Stockpile 18 Comp	11/14/02	<0.025	0.094	0.104	1.511	553	4920
Stockpile 19 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	37.9	1480
Exc. 1 Comp 6-6.5'	11/14/02	<0.025	<0.025	<0.025	<0.025	<10.0	142
Exc. 2 Comp 6-6.5'	11/14/02	<0.025	<0.025	<0.025	<0.025	<10.0	156
Exc. 3 Comp 6-6.5'	11/14/02	<0.025	<0.025	<0.025	<0.025	<10.0	226
Exc. 4 Comp 6-6.5'	11/14/02	<0.025	<0.025	<0.025	<0.025	34.6	1140
Exc. 5 Comp 6-6.5'	11/14/02	<0.025	0.025	0.025	0.103	118	2540
Exc. 6 Comp 6-6.5'	11/14/02	<0.025	<0.025	<0.025	<0.025	<10.0	709
Exc. 7 Comp	11/14/02	<0.025	<0.025	<0.025	<0.025	44.4	2730
Exc. 8 Comp 4-5'	11/14/02	<0.025	0.026	<0.025	0.078	<10.0	413
Rel Comp 10-12'	11/14/02	<0.025	0.029	0.039	0.155	114	2660
WW - 1	12/11/02	<0.025	<0.025	<0.025	<0.025	65.5	870
NW - 1	12/11/02	<0.025	<0.025	<0.025	<0.025	36.7	849
SW - 1	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0
NW - 2	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0
SW - 2	12/11/02	<0.025	<0.025	<0.025	<0.025	10.3	787
NW - 3	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0
SW - 3	12/11/02	<0.025	0.043	0.052	0.199	38.3	722
NW - 4	12/11/02	<0.025	<0.025	<0.025	<0.025	21.5	346
SW - 4	12/11/02	<0.025	<0.025	0.034	0.138	290	4700
NW - 5	12/11/02	<0.025	<0.025	<0.025	<0.025	39.9	2770
SW - 5	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	358
NW - 6	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0
SW - 6	12/11/02	<0.025	<0.025	0.044	0.064	213	2590
SW - 7	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0
EW - 7	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0
WW - 7	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	196
EW - 8	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0
WW - 8	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0
NW - 8	12/11/02	<0.025	<0.025	<0.025	<0.025	<10.0	36.1

TABLE 3

CONCENTRATIONS OF BTEX IN GROUNDWATER

EOTT ENERGY, LLC
TNM 97-23
LEA COUNTY, NM
ETGI Project # EO 2010

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 1	05/12/99	<0.001	<0.001	<0.001	<0.001
	08/23/99	<0.001	<0.001	<0.001	<0.001
	11/04/99	<0.001	<0.001	<0.001	<0.001
	01/13/00	<0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	<0.001
	06/06/00	<0.001	<0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.001
	06/04/01	<0.005	0.0198	0.0197	0.0792
	09/24/01	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001
	05/20/03	<0.001	<0.001	<0.001	<0.001
MW - 2	02/25/00	0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	<0.001
	06/06/00	0.005	0.003	<0.001	0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001
	11/30/00	0.012	0.004	<0.001	0.002
	03/16/01	0.002	<0.001	<0.001	<0.001
	06/04/01	0.009	<0.005	<0.005	<0.005
	09/24/01	0.003	<0.001	<0.001	<0.001
	10/30/01	0.00191	<0.001	<0.001	<0.001
	01/28/02	0.00379	<0.001	<0.001	<0.001
	05/21/02	0.00581	0.001	<0.001	0.00125
	09/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.005	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001
	05/20/03	<0.001	<0.001	<0.001	<0.001
MW - 3	02/25/00	0.003	0.002	<0.001	<0.001
	05/18/00	0.001	<0.001	<0.001	<0.001
	06/06/00	<0.001	<0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001
	03/16/01	0.002	<0.001	<0.001	<0.001
	06/04/01	0.008	<0.005	<0.005	<0.005
	09/24/01	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.002	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001

TABLE 3

CONCENTRATIONS OF BTEX IN GROUNDWATER

EOTT ENERGY, LLC
TNM 97-23
LEA COUNTY, NM
ETGI Project # EO 2010

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 3	05/20/03	<0.001	<0.001	<0.001	<0.001
MW - 4	02/25/00	0.012	0.007	0.001	0.005
	05/18/00	0.002	<0.001	<0.001	<0.001
	06/06/00	0.022	0.014	0.003	0.009
	09/15/00	0.018	0.008	<0.001	<0.001
	11/30/00	0.041	0.027	0.005	0.015
	03/16/01	0.023	0.013	0.002	0.006
	06/04/01	0.0149	0.0198	<0.005	<0.005
	09/24/01	0.027	0.0156	0.003	0.001
	10/30/01	0.018	0.011	0.001	0.005
	01/28/02	NA	NA	NA	NA
	05/21/02	NA	NA	NA	NA
	09/19/02	NA	NA	NA	NA
	12/16/02	NA	NA	NA	NA
	02/24/03	NA	NA	NA	NA
	05/20/03	<0.001	<0.001	<0.001	<0.001
MW - 5	02/25/00	0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	0.002
	06/06/00	0.002	0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.001
	06/04/01	<0.005	<0.005	<0.005	<0.005
	09/24/01	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001
	05/20/03	<0.001	<0.001	<0.001	<0.001
EB - 1	09/15/00	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.001
	06/04/01	<0.001	<0.001	<0.001	<0.001
	09/24/01	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001

Note: NA denotes well MW-4 was not accessable for sampling on date specified due to on-site excavation.

TABLE 4
CONCENTRATIONS OF METALS IN GROUNDWATER

EOTT ENERGY , LLC
TNM 97-23
LEA COUNTY, NEW MEXICO
ETGI Project # EO2010

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-6010B, 7470																								
		Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Tin	Vanadium	Zinc	Boron	Strontium
MW - 1	02/04/98	<0.022	N/A	0.059	<0 022	<0 044	180	<0.11	<0.056	<0.033	<0.11	N/A	72.0	<0.056	N/A	<0.22	<0.11	8.76	N/A	<0.089	187	<0.22	0.058	0.13	0.48	3.86
MW - 2	02/25/00	2.400	0 0120	0 0640	<0.0040	<0.0010	133.0	<0.0050	<0.0200	<0.0100	1.600	<0.0030	75.30	0.0370	<0.00020	<0.050	<0.0100	13 90	0.0130	<0.00500	238.0	<0.0500	0.0630	<0.0200	0.587	3.57
MW - 3	02/25/00	4.250	0.0140	0.1100	<0.0040	<0.0010	171.0	0.0090	<0.0200	<0.0100	2.810	<0.0030	89.40	0.1370	<0.00020	<0.050	<0.0100	17.90	0.0170	<0.00500	433.0	<0.0500	0.0620	0.0240	0.612	4 71
MW - 4	02/25/00	7.100	0 0110	0 2370	<0.0040	<0.0010	636.0	<0.0050	<0.0200	0.0100	5.310	<0.0030	367.00	0.1620	<0.00020	<0.050	0.0130	45.10	0.0280	<0.00500	768.0	0.0620	0.0470	0.0290	0.517	15.70
MW - 5	02/25/00	5.060	0.0150	0.1060	<0.0040	<0.0010	164.0	0.0050	<0.0200	<0.0100	3.500	<0.0030	89.80	0.0810	<0.00020	<0.050	<0.0100	16.00	0.0180	<0.00500	252.0	<0.0500	0.0640	0.0220	0.639	4.18

Note: "NA" denotes analyt not reported from laboratory.
Note: Results reported from MW-1 are from the KEI report referenced in Section 10.0 of this report.

TABLE 5

CONCENTRATIONS OF SEMI-VOLATILES IN GROUNDWATER

EOTT ENERGY, LLC
TNM 97-23
LEA COUNTY, NEW MEXICO
ETGI Project # EO2010

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510															
		Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]anthracene	Chrysene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[a]pyrene	Indeno[1,2,3-cd]pyrene	Dibenz[a,h]anthracene	Benzo[g,h,i]perylene
MW - 1	02/04/98	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MW - 2	02/25/00	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW - 3	02/25/00	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW - 4	02/25/00	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW - 4	03/17/00	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW - 5	02/25/00	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Note: Results reported from MW-1 are from the KEI report referenced in Section 10.0 of this report.

TABLE 6

CONCENTRATIONS OF VOLATILES IN GROUNDWATER

EOTT ENERGY, LLC
TNM 97-23
LEA COUNTY, NEW MEXICO
ETGI Project # EO 2010

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8260																
		Chloromethane	Vinyl chloride	Bromomethane	Chloroethane	Trichlorofluoromethane	Acetone	1,1-Dichloroethene	Carbon Disulfide	Methylene Chloride	trans-1,2-Dichloroethene	1,1-Dichloroethane	2-Butanone	cis-1,2-dichloroethene	Bromochloromethane	Chloroform	1,1,1-Trichloroethane	Carbon Tetrachloride
MW-4	3/17/00	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0.100	<0.0020	<0.0020	<0.0050	<0.0020	<0.0020	<0.0100	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8260																
		Benzene	1,2 Dichloroethane	Trichloroethene	1,2-Dichloropropane	Dibromomethane	Bromodichloromethane	2-Hexanone	4-Methyl 2-Pentanone	cis 1,3 Dichoropropene	Toluene	trans 1,3-Dichloropropene	1,1,2-Trichloroethane	Dibromochloromethane	Tetrachloroethene	Chlorobenzene	1,1,1,2-Tetrachloroethane	Ethylbenzene
MW-4	3/17/00	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0.100	<0.0100	<0.0100	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8260							
		m & p Xylene	o-Xylene	Styrene	Bromoform	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	1,4-Dichlorobenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-Chloropropane
MW-4	3/17/00	2.57	<0.0020	<0.0020	<0.0020	<0.0020	<0.0.100	<0.0100	<0.0100	<0.0100

TABLE 7

CONCENTRATIONS OF ANIONS/CATIONS IN GROUNDWATER

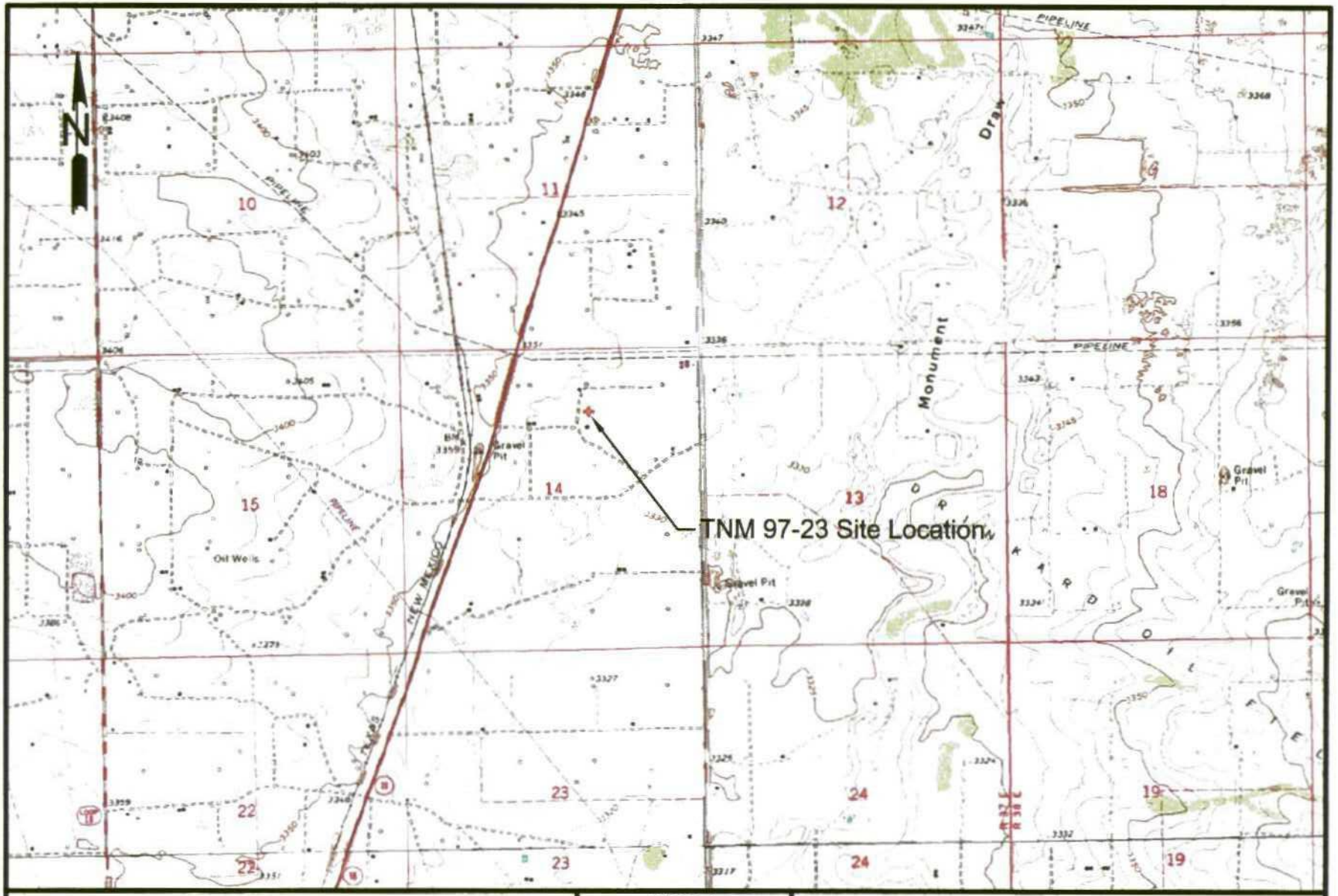
EOTT ENERGY, LLC
TNM 97-23
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2010

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	EPA SW375.4, 325,3, 310, 4500, 160.1				
		Sulfate	Chloride	Carbonate	Bicarbonate	TDS
MW - 1	02/04/98	165	405	<1.0	198	1570
MW - 2	02/25/00	480	319	0	205	1342
MW - 3	02/25/00	500	629	0	195	1841
MW - 4	02/25/00	822	2437	0	165	5657
MW - 5	02/25/00	492	399	0	215	1467

Note: Results reported from MW-1 are from the KEI report referenced in Section 10.0 of this report.

FIGURES



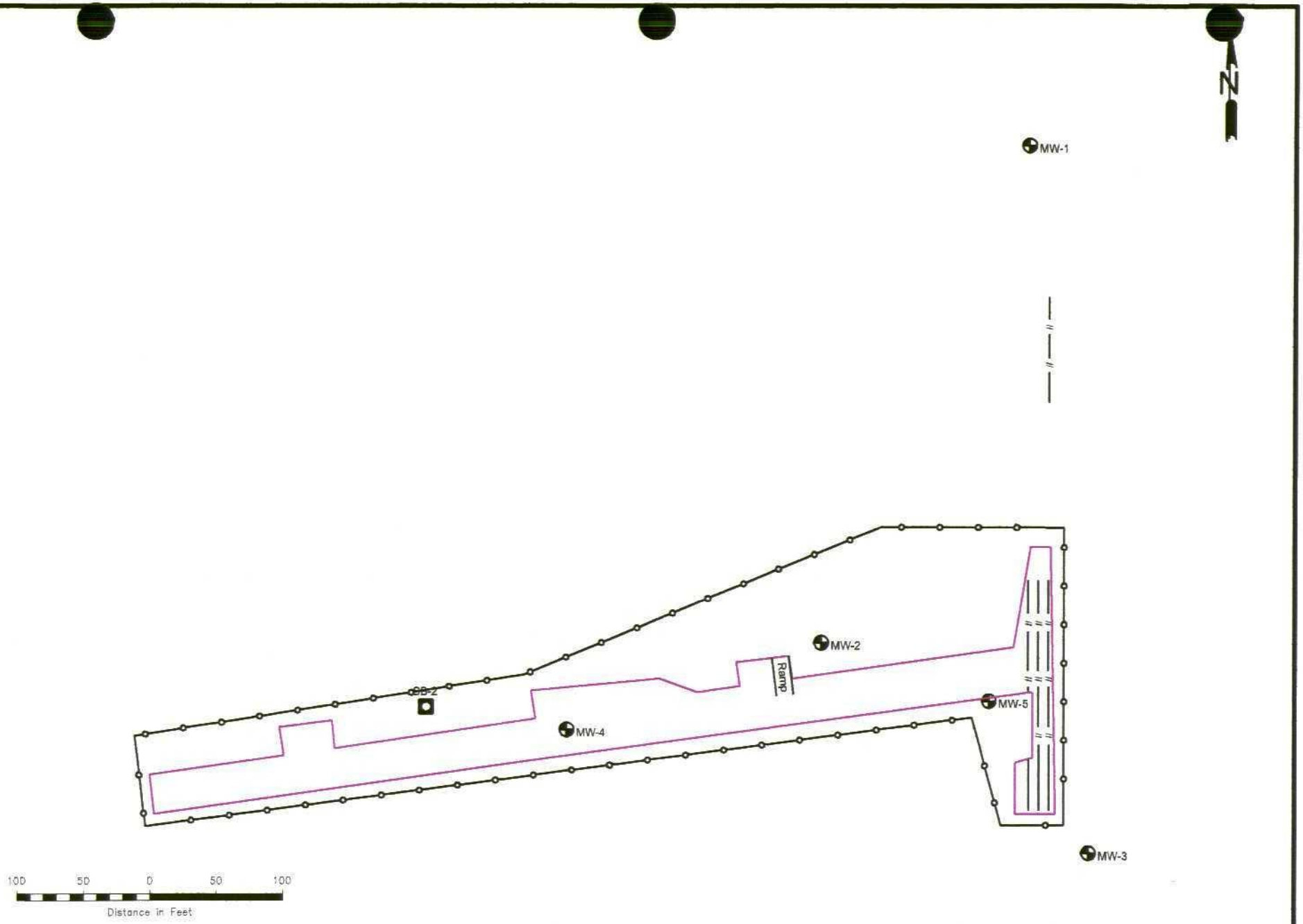
NW 1/4 NE 1/4 Sec 14 T22S R37E
NE 1/4 NE 1/4 Sec 14 T22S R37E
32° 23' 45.3" N 103° 07' 51.8" W

Figure 1
Site Location Map

EOTT Energy Corp.
TNM 97-23
Eunice, NM

Environmental Technology Group, Inc.

Scale: 1" = 100'	Prep By: JDJ	Checked By: RE
March 19, 2002	ETGI Project #: EOT2010C	



LEGEND:

- Monitor Well Location
- ETGI Soil Boring
- Extent of Excavation
- Exposed Pipeline

NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E

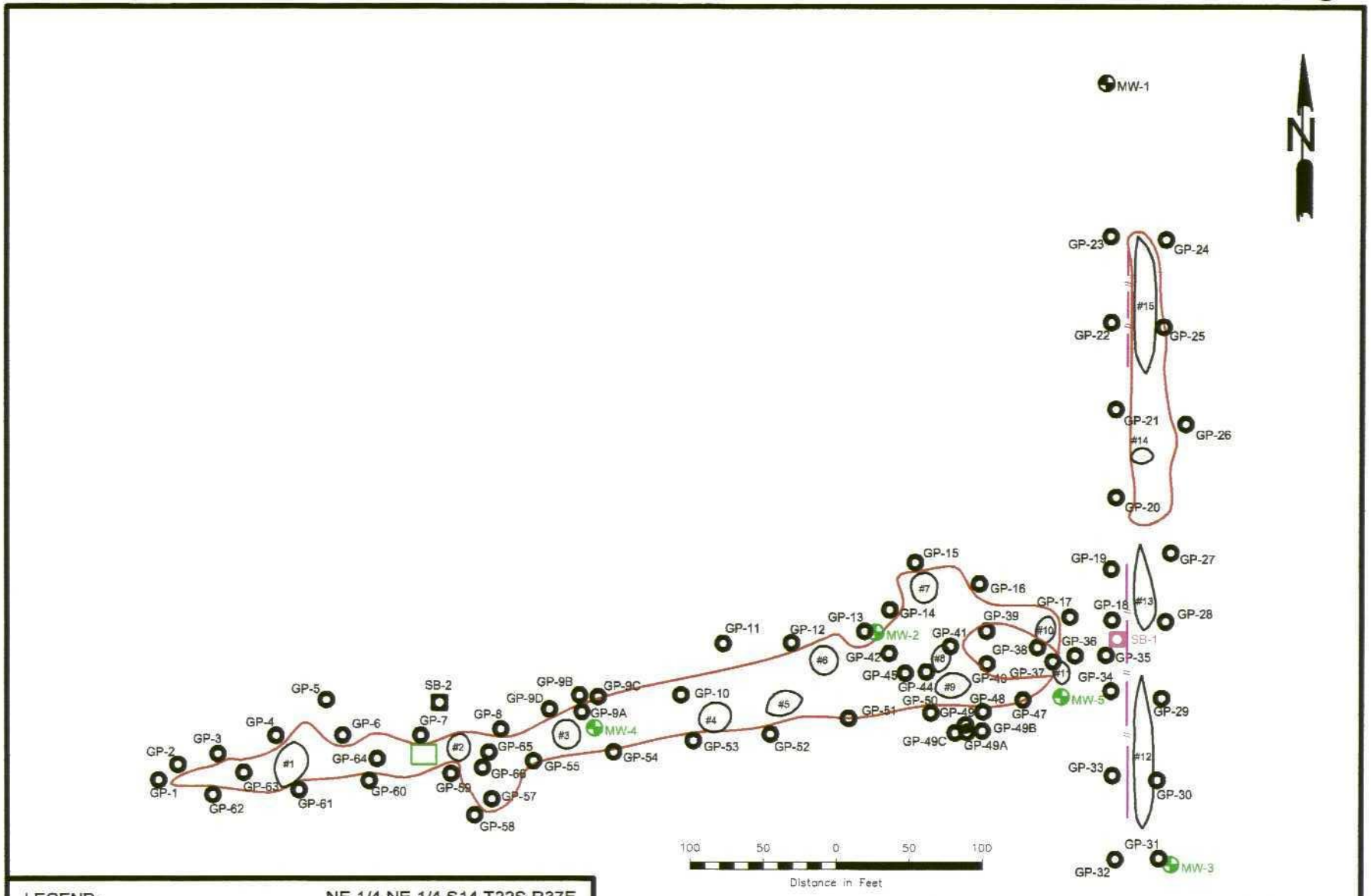
Figure 2
Site Map

EOTT Energy, LLC
TNM 97-23
Eunice, NM

Environmental Technology Group, Inc.

32° 23' 45.3N 103° 07' 51.8"W

Scale: 1" = 100'	Prep By: JDJ	Checked By: RE
April 30, 2003	ETGI Project # EO2010	



LEGEND:

- ETGI Monitoring Well Locations (2/11/00)
- KEI Monitoring Well (01/13/98)
- ETGI Soil Boring
- KEI Soil Boring
- ETGI Geoprobe Locations

NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E

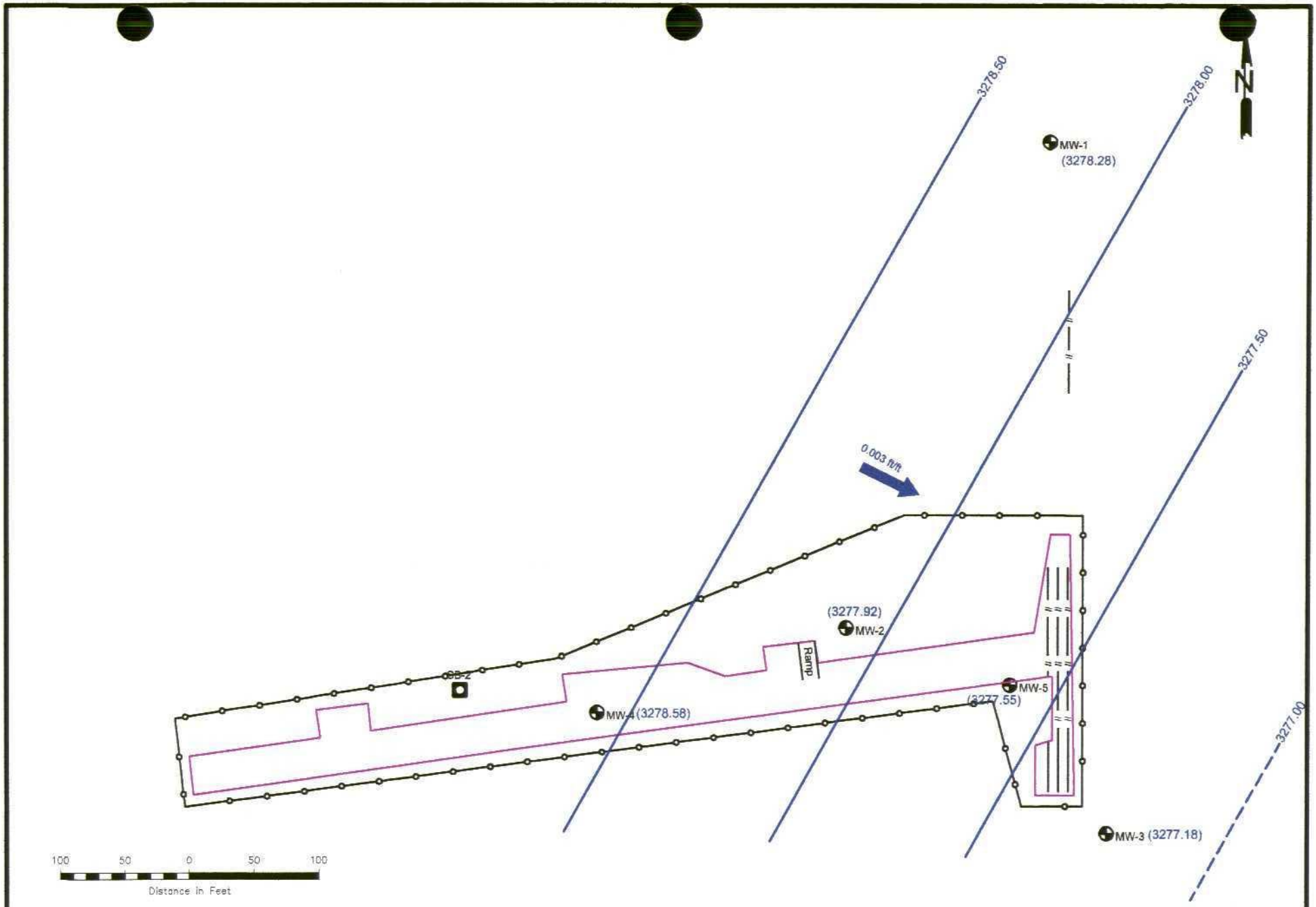
- #1 Dirt Piles/Numbers
- Area of Stained Surface Soil
- Exposed Pipeline
- Area of GP-67 through 79

Figure 3
GeoProbe Location Map

EOTT Energy, LLC
TNM 97-23
Eunice, NM

Environmental Technology Group, Inc.

Scale: 1" = 100'	Prep By: RS	Checked By: RE
April 21, 2003	ETGI Project # EO2010	



LEGEND:

- Monitor Well Location
- ETGI Soil Boring
- 3278.50 Groundwater Gradient Contour Line
- Extent of Excavation
- Exposed Pipeline
- Groundwater Gradient Direction and Magnitude

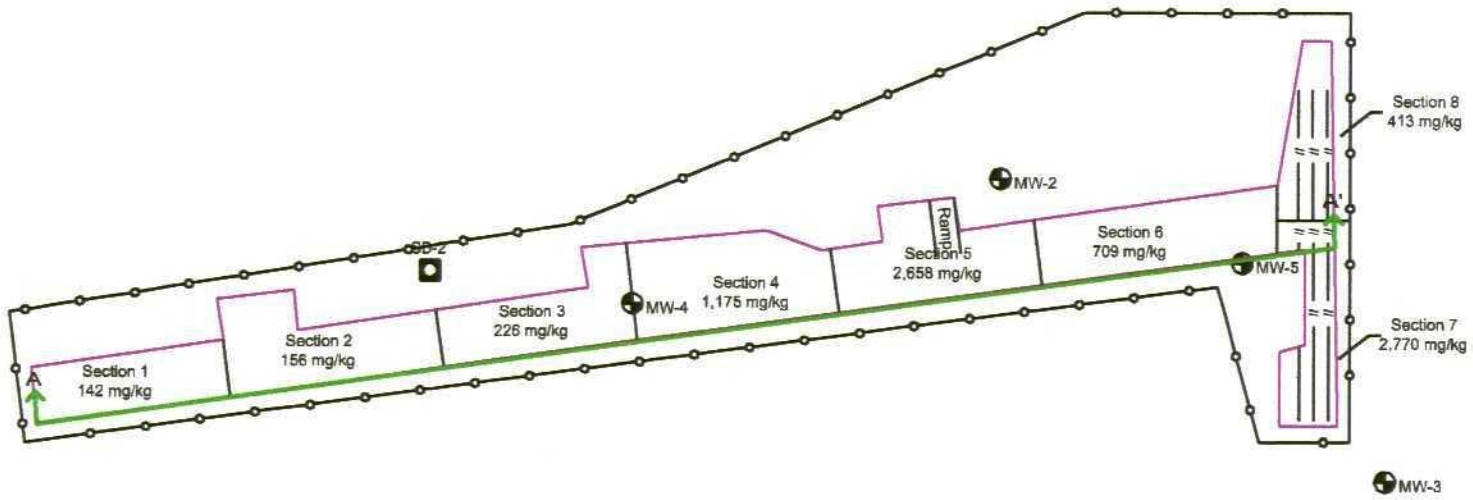
NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E

Figure 4
Inferred Groundwater Gradient Map (5/20/03)

EOTT Energy, LLC
TNM 97-23
Eunice, NM

Environmental Technology Group, Inc.

32° 23' 45.3N 103° 07' 51.6"W		
Scale: 1" = 100'	Prep By: JDJ	Checked By: RE
July 16, 2003	ETGI Project # EO2010	



100 50 0 50 100

Distance in Feet

LEGEND:

NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E

- Monitor Well Location
- ETGI Soil Boring
- 142 mg/kg TPH DRO/GRO Values in Bottom Hole Samples
- Extent of Excavation
- Exposed Pipeline
- Extent of Additional Excavation

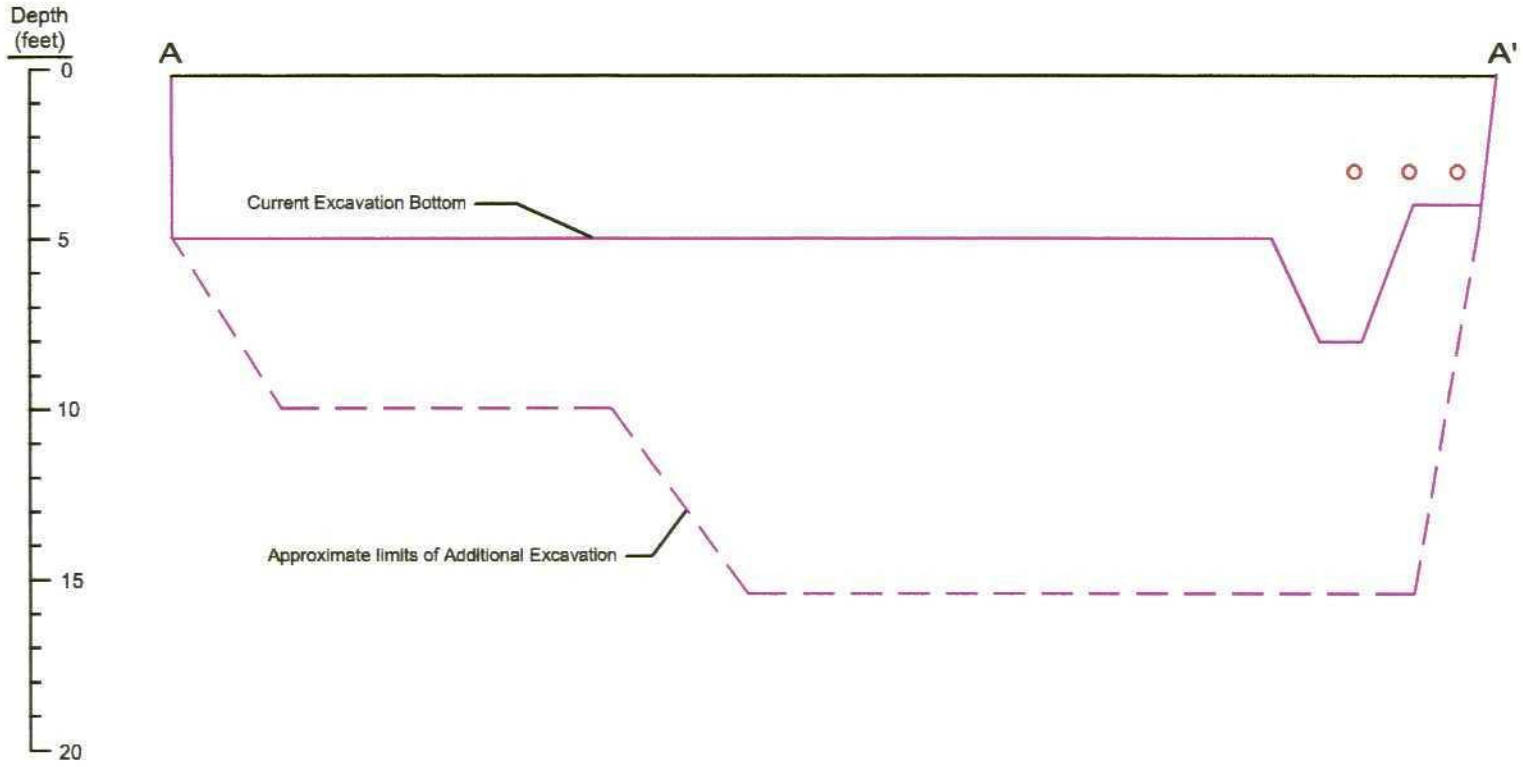
Figure 5a
Excavation Map

EOTT Energy, LLC
TNM 97-23
Eunice, NM

Environmental Technology Group, Inc.

32° 23' 45.3N 103° 07' 51.8"W

Scale: 1" = 100'	Prep By: JDJ	Checked By: RE
February 19, 2003	ETGI Project # EO2010	



NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E

Figure 5b
Conceptual Cross Section of Additional Excavation
A - A'

EOTT Energy, LLC TNM 97-23 Eunice, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: JDJ	Checked By: RE
August 1, 2001	ETGI Project # EO2010	

APPENDICES

APPENDIX A

Soil Boring Logs

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.	
Site Name: TNM 97-23	
Project Number: EOT1010C	
Date Drilled: 01/17/00	
Boring / Well Name: GP1	

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP1-001	0	None	None	Sand (SP) brown-red silty, soft fine sand, slight moisture, no odor.
6'			0	None	None	Sand (SP) brown-red fine sand, modules brown-red weathered caleche intermixed, moist, no odor.
8'		GP1-003	0	None	None	Sand (SP) brown-buff weathered caleche sand with brown stringers, dry, no odor.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/17/00
Boring / Well Name: GP2

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP2-001	0	None	None	Sand (SP) brown-red silty fine sand, soft, slightly moist, no odor.
6.5'			0	None	None	Sand (SP) brown-red silty sand to buff-brown caleche, soft, with brown sand intermixed, dry, no odor.
8'		GP2-003	0	None	None	Sand (SP) tan-buff weathered caleche sand, firm, dry, no odor.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/17/00
Boring / Well Name: GP3

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP3-001	0	None	None	Sand (SP) brown-red silty sand, with slight clay content, soft, slightly moist, no odor.
6'			0	None	None	Sand (SP) brown-red silty sand to weathered fragmented caleche sand, with slight clay content, firm, slightly moist, no odor.
8'		GP3-003	0	None	None	Sand (SP) buff-tan sandy weathered caleche, with slight clay, dry, no odor.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/17/00
Boring / Well Name: GP4

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP4-001	0	None	None	Sand (SP) red-brown, very fine grain, silty, soft, with slight clay content, dry, firm, no stain, no odor.
8'		GP4-002	0	None	None	Sand (SP) red-brown silty sand to light brown silty sand, firm, with slight clay content, with caleche stringers, firm, slightly moist, no odor.
8.5'						Caleche, buff, dense.
						Refusal at 8.5'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/17/00
Boring / Well Name: GP5

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP5-001	0	None	None	Sand (SP) brown-red silty soft sand, slight clay content, slightly moist, no odor.
6'			0	none	None	Sand (SP) brown-red silty firm sand, slight clay content, slightly moist, no odor
8'			0	None	None	Sand (SP) brown-red silty firm sand, with caleche stringers, slight clay content, dry, no odor
10'						
11.5'		GP5-004	0	None	None	Sand (SP) buff weathered firm caleche sand, slight clay content, dry, no odor.
						Refusal @ 11.5'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/17/00
Boring / Well Name: GP6

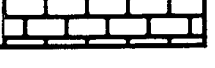
DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP6-001	0	None	None	Sand (SP) brown-red silty soft sand, slightly moist, no odor.
8'		GP6-002	0	None	None	Sand (SP) brown-red silty soft sand, slightly moist, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/17/00
Boring / Well Name: GP7

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP7-001	0	None	None	Sand (SP) brown-red silty soft sand, slightly moist, no odor.
8'		GP7-002	0	None	None	Sand (SP) brown-red silty firm sand, with caleche stringers, slight clay, slightly moist, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/17/00
Boring / Well Name: GP8

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP8-001	0	None	None	Sand (SP) brown-red silty firm sand, slightly moist, no odor.
8'		GP8-002	0	None	None	Sand (SP) brown-red silty sand, firm with slight clay content, slightly moist, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/17/00
Boring / Well Name: GP9

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP9-001	0	None	None	Sand (SP) brown-red silty firm sand, slightly moist, no odor.
8'		GP9-002	472	None	Slight	Sand (SP) brown-red silty clay and sand, slightly moist, slight odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name:	EOTT ENERGY CORP.
Site Name:	TNM 97-23
Project Number:	EOT1010C
Date Drilled:	01/18/00
Boring / Well Name:	GP9A

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP) brown-red silty sand, slight clay, dry, no odor.
8'			435	Moderate	Moderate to strong	Sand (SP) brown-red silty soft clayey sand, slightly moist, with black streaks (discoloration at 7' to 8'), moderate to strong odor.
12'			830	Moderate	Moderated to strong	Sand (SP) brown-red silty clayey sand, fine with black streaks, to tan-red clayey sand, at 9' to 10' to buff sandy caleche, at 10' to 11' moderated to strong odor.
14'			790	Moderate	Strong	Buff to tan sandy caleche with black streaks at 11' to 13' to tan-brown fine sandy caleche with black-gray streaks, strong odor, slightly moist.
16'		GP9A-005	840	None	Moderate	Brown-red-tan silty clayey sand with fine caleche gravel intermixed, to fine sand at 16', moderate odor.
19'		GP9A-006	9.5	None	Slight	Light brown-tan-buff silty sandy caleche, slight odor.
22'			23.2	None	None	Light brown-buff fine grain silty sandy caleche, dry, no odor.

Refusal @ 22'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/18/00
Boring / Well Name: GP9B

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP) brown-red silty firm clayey sand, slightly moist, no odor.
8'		GP9B-002	0	None	None	Sand (SP) brown-red silty clayey sand, dry, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/19/00
Boring / Well Name: GP9C

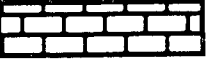
DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, trace caleche nodules.
10'			0	None	None	Sand (SP), red -brown, very fine grain, well sorted, dry, no stain, no odor, abundant caleche nodules.
						Refusal @ 10'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/19/00
Boring / Well Name: GP9D

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, trace caleche nodules at 7.5'.
10'			0			Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, abundant caleche nodules.
						Refusal @ 10'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/19/00
Boring / Well Name: GP10

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/19/00
Boring / Well Name: GP11

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/19/00
Boring / Well Name: GP12

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, caleche nodules at 7'.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/19/00
Boring / Well Name: GP13

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, caleche nodules at 7.5'.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/19/00
Boring / Well Name: GP14

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/19/00
Boring / Well Name: GP15

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.	
Site Name: TNM 97-23	
Project Number: EOT1010C	
Date Drilled: 01/19/00	
Boring / Well Name: GP16	

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.	
Site Name: TNM 97-23	
Project Number: EOT1010C	
Date Drilled: 01/19/00 and 03/02/00	
Boring / Well Name: GP17 and GP17-1	

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP17-001-1	5.2	None	Slight	Sand (SP) , red-brown, very fine grain, well sorted, dry, no stain, slight odor.
8'			0.2	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, caleche nodules at 7.5'.
12'		GP17-003-1	7.3	None	None	Sand (SP), white to tan, very fine grain, well sorted, no stain, no odor.
16'			0	None	None	Sand (SP), white, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 16.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP18

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, caleche nodules at 7.0'.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP19

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, caleche nodules at 8.0'.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP20

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP21

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey sand at 7.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP22

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey sand at 7.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP23

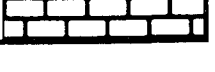
DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), Tan, very fine grain, well sorted, dry, no stain, no odor, caleche nodules at 7.5'.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP24

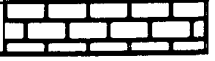
DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			15.7	None	None	Sand (SP), tan to white, very fine grain, well sorted, dry, no stain, no odor, clayey at 5.0', abundant caleche nodules at 6.0'.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP25

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0			Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0			Sand (SP), tan to white, very fine grain, well sorted, dry, no stain, no odor, clayey at 5.0'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name:	EOTT ENERGY CORP.
Site Name:	TNM 97-23
Project Number:	EOT1010C
Date Drilled:	01/20/00
Boring / Well Name:	GP26

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry. no stain, no odor, clayey at 5.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP27

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry no stain, no odor, abundant caleche nodules at 4.0'.
8'			0	None	None	Sand (SP) tan-white, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP28

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, abundant caleche nodules at 3.5' to 5.0'.
8'			0	None	None	Sand (SP), tan-white, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP29

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, abundant caleche nodules at 3.5' to 6.0'.
8'			0	None	None	Sand (SP), tan-white, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP30

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, abundant caleche nodules at 3.5' to 6.0'.
8'			0	None	None	Sand (SP), tan, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.0'.
12'			0	None	None	Sand (SP), white-tan, very fine grain, well sorted, dry, no stain, no odor, caleche nodules at 10.5'.
						Refusal @ 12.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name:	EOTT ENERGY CORP.
Site Name:	TNM 97-23
Project Number:	EOT1010C
Date Drilled:	01/20/00
Boring / Well Name:	GP31

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, abundant caleche nodules at 3.5' to 5.5'.
8'			0	None	None	Sand (SP), white-tan, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP32

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, abundant caleche nodules at 4.0' to 7.0'.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
12'			0	None	None	Sand (SP), tan-white, very fine grain, well sorted, dry, no stain, no odor, clayey at 8.5'.
						TD @ 12.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP33

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, abundant caleche nodules at 3.5' to 6.5'.
8'			0	None	None	Sand (SP), tan-white, very fine grain, well sorted, dry, no stain, no odor, clayey at 7.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00
Boring / Well Name: GP34

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, abundant caleche nodules at 3.5'.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 7.0', caleche at 7.5.
10'			0	None	None	Sand (SP), tan, very fine grain, well sorted, dry, no stain, no odor, caleche ending at 8.5'.
						TD @ 10.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/20/00 and 1/21/00 and 03/02/00
Boring / Well Name: GP35 and GP35-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP35-001-1	50.1	Slight	Mod.	Sand (SP), red-brown, very fine grain, well sorted, dry, slight stain, moderate odor.
8'		GP35-002-1	302	Heavy	Strong	Sand (SP), red-brown, very fine grain, well sorted, wet, heavy stain, strong odor.
10'		GP35-003-1	1137	Heavy	Strong	Sand (SP), red-brown, very fine grain, well sorted, wet, heavy stain, strong odor.
12.5'		GP35-004-1	995	None	Mod.	Sand (SP), red-brown, very fine grain, well sorted, moist at 12.5', no stain, moderate odor.
						Refusal @ 12.5'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP36

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP37

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 7.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name:	EOTT ENERGY CORP.
Site Name:	TNM 97-23
Project Number:	EOT1010C
Date Drilled:	01/21/00
Boring / Well Name:	GP38

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.0'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP39

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP40

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.0.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP41

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5'.
						TD @ 8.0'

	SILT	
	CLAY	
	SAND	
	CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP42

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP43

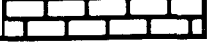
DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.5' to 5.5'..
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP44

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	none	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.0'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP45

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 5.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP46

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 7.0'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP47

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00
Boring / Well Name: GP48

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.5' to 5.5'.
8'			0	None	None	Sand (SP), tan-white, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/21/00 and 03/02/00
Boring / Well Name: GP49 and GP49-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP49-001-1	18.0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.5'.
8'		GP49-002-1	39.3	None	Slight	Sand (SP), tan-white, very fine grain, well sorted, dry, no stain, slight odor, silty at 6.5'.
10'		GP49-003-1	166	None	Slight	Sand (SP), tan-white, very fine grain, well sorted, dry, no stain, slight odor, silty.
12'		GP49-004-1	322	None	Slight	Sand (SP), white, very fine grain, well sorted, dry, no stain, slight odor, silty with abundant caleche nodules.
14'		GP49-005-1	27.8	None	Slight	Sand (SP), white, very fine grain, well sorted, dry, no stain, slight odor, silty with abundant caleche nodules and caleche.
						Refusal @ 14.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name:	EOTT ENERGY CORP.
Site Name:	TNM 97-23
Project Number:	EOT1010C
Date Drilled:	01/24/00
Boring / Well Name:	GP49A

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5', imbedded with caleche nodules.
12'			0	None	None	Sand (SP), tan-white, very fine grain, well sorted, dry, no stain, no odor, imbedded with abundant caleche nodules.
						Refusal @ 12.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00
Boring / Well Name: GP49B

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5', imbedded with caleche nodules.
12'			0	None	None	Sand (SP), tan-white, very fine grain, well sorted, dry, no stain, no odor, imbedded with abundant caleche nodules.
						Refusal @ 12.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00
Boring / Well Name: GP49C

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.8'.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey with imbedded caleche nodules.
12'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey with abundant caleche nodules at 10.5'.
						Refusal @ 12.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00 and 03/02/00
Boring / Well Name: GP50 and GP50-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP50-001-1	6.5	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'		GP50-002-1	6.2	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5' with imbedded caleche nodules at 7.5'.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00 and 03/02/00
Boring / Well Name: GP51 and GP51-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP51-001-1	5.0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'		GP51-002-1	4.3	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00 and 03/02/00
Boring / Well Name: GP52 and GP52-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP52-001-1	52			Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'		GP52-002-1	3.2			Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 7.0'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00 and 03/02/00
Boring / Well Name: GP53 and GP53-1

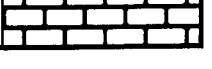
DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP53-001-1	3.1	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.5' to 8.0'.
8'		GP53-002-1	3.9	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

	SILT	
	CLAY	
	SAND	
	CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00
Boring / Well Name: GP54

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.5' to 8.0'.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00
Boring / Well Name: GP55

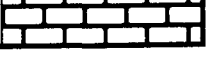
DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'			0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00 and 03/02/00
Boring / Well Name: GP56 and GP56-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP56-001-1	2.4	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'		GP56-002-1	2.5	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 6.5'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00 and 03/02/00
Boring / Well Name: GP57 and GP57-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP57-001-1	2.2	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.5' to 8.0'.
8'		GP57-002-1	2.5	None	none	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00 and 03/02/00
Boring / Well Name: GP58 and GP58-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP58-001-1	3.0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.8' to 8.0'.
8'		GP58-002-1	3.9	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.	
Site Name: TNM 97-23	
Project Number: EOT1010C	
Date Drilled: 01/24/00 and 03/02/00	
Boring / Well Name: GP59 and GP59-1	

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP59-001-1	2.8	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.6' to 6.5'.
8'		GP59-002-1	1.5	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00 and 03/02/00
Boring / Well Name: GP60 and GP60-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP60-001-1	3.0	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.8'.
8'		GP60-002-1	4.3	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey and imbedded with caleche nodules at 7.5'.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00 and 03/02/00
Boring / Well Name: GP61 and GP61-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP61-001-1	4.8	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.9'.
8'		GP61-002-1	4.3	None	none	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey and imbedded with caleche nodules at 7.8'.
						Refusal @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/24/00 and 03/02/00
Boring / Well Name: GP62 and GP62-1

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP62-001-1	8.5	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'		GP62-002-1	7.7	None	None	Sand (SP). red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP63

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP63-001	829	Heavy	Strong	Sand (SP), red-brown, very fine grain, well sorted, wet with heavy stain, strong odor..
8'		GP63-002	54.1	Heavy	Strong	Sand (SP), red-brown, very fine grain, well sorted, wet with heavy stain, strong odor.
12'		GP63-003	69.4	Mod.	Strong	Sand (SP), red-brown, very fine grain, well sorted, wet with moderate stain, strong odor, clayey at 9.0' with white color.
						Refusal @ 12.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name:	EOTT ENERGY CORP.
Site Name:	TNM 97-23
Project Number:	EOT1010C
Date Drilled:	01/25/00
Boring / Well Name:	GP64

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP64-001	563	Mod.	Strong	Sand (SP), red-brown, very fine grain, well sorted, wet with crude, moderate stain, strong odor.
8'		GP64-002	449	Mod.	Strong	Sand (SP), red-brown, very fine grain, well sorted, wet with crude, moderate stain, strong odor.
12'		GP64-003	137	Mod.	Slight	Sand (SP), red-brown, very fine grain, well sorted, moist, moderate stain, slight odor, clayey at 8.5', imbedded with caleche nodules at 11.0'.
16'		GP64-004	17.2	None	None	Sand (SP), tan-white, very fine grain, well sorted, dry, no stain, no odor, clayey with imbedded caleche nodules at 13.5'.
						Refusal @ 16.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP65

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP65-001	261	Slight	Mod.	Sand (SP), red-brown, very fine grain, well sorted, dry, slight stain, moderate odor, clayey at 3.5'.
8'		GP65-002	111	Slight	Slight	Sand (SP), red-brown, very fine grain, well sorted, dry, slight stain, slight odor, clayey at 5.5'.
12'		GP65-003	654	None	Slight	Sand (SP), tan, very fine grain, well sorted, dry, no stain, slight odor, clayey with caleche(not imbedded).
16'		GP65-004	509	None	Slight	Sand (SP), tan to red-brown, very fine grain, well sorted, dry, no stain, slight odor, caleche noduled ending at 15.5', with silty sand imbedded with caleche nodules.
20'		GP65-005	148	None	Slight	Sand (SP), tan to red-brown, very fine grain, well sorted, dry, no stain, slight odor, caleche nodules ending at 15.5', with silty sand imbedded with caleche nodules.
						Refusal @ 20.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP66

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP66-001	533	Heavy	Strong	Sand (SP), red-brown, very fine grain, well sorted, wet, heavy stain, strong odor, clayey at 4.0'.
8'		GP66-002	651	Heavy	Strong	Sand (SP), red-brown, very fine grain, well sorted, wet to moist, heavy stain, strong odor, clayey.
12'		GP66-003	860	Heavy	Strong	Sand (SP). red-brown to tan, very fine grain, well sorted, wet with crude, heavy stain, strong odor, clayey with silty sand.
16'		GP66-004	563	Slight	Mod.	Sand (SP) red-brown to tan, very fine grain, well sorted, wet with crude, slight stain, moderate odor, clayey with silty sand.
						Refusal @ 16.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP67

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP67-001	449	Slight	Mod.	Sand (SP), red-brown, very fine grain, well sorted, dry, slight stain, moderate odor, clayey at 3.8'.
8'		GP67-002	128	None	Mod.	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, moderate odor, clayey with silty sand.
12'		GP67-003	553	None	Mod.	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, moderate odor, clayey with silty sand.
16'		GP67-004	18.1	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey with silty sand imbedded with caleche nodules.
						Refusal @ 16.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.	
Site Name: TNM 97-23	
Project Number: EOT1010C	
Date Drilled: 01/25/00	
Boring / Well Name: GP68	

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP68-001	56.2	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, slight odor.
8'		GP68-002	414	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, slight odor, clayey at 8.0'.
12'		GP68-003	26.9	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, slight odor, clayey imbedded with caleche nodules at 10.5'.
16'		GP68-004	67.0	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, slight odor, clayey imbedded with abundant caleche nodules at 11.5'.
						Refusal @ 16.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP69

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP69-001	469	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, moist, no stain, slight odor, clayey at 3.5'.
8'		GP69-002	20.8	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, slight odor, clayey imbedded with caleche nodules at 7.5'.
12'		GP69-003	141	Slight	Slight	Sand (SP), red-brown, very fine grain, well sorted, dry, slight stain, slight odor, clayey imbedded with caleche nodules.
16'		GP69-004	22.9	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, slight odor, clayey imbedded with abundant caleche nodules at 13.0.
						Refusal @ 16.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP70

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP70-001	16.8	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.5' to 8.0'.
8'		GP70-002	8.3	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name:	EOTT ENERGY CORP.
Site Name:	TNM 97-23
Project Number:	EOT1010C
Date Drilled:	01/25/00
Boring / Well Name:	GP71

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP71-001	98.4	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor.
8'		GP71-002	67.2	None	Slight	Sand (SP), red-brown, very fine grain. well sorted, dry, no stain, slight odor, clayey at 7.0'.
12'		GP71-003	852	None	Mod.	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, moderate odor, clayey silty sand.
16'		GP71-004	1130	None	Heavy	Sand (SP), tan, very fine grain, well sorted, dry, no stain, heavy odor, clayey with silty sand at 14.5' imbedded with abundant caleche nodules.
						Refusal @ 16.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP72

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP72-001	38.9	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 2.5'.
8'		GP72-002	22.8	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey imbedded with caleche nodules at 6.5'.
12'		GP72-003	4.4	None	Slight	Sand (SP), tan to white, very fine grain, well sorted, dry, no stain, slight odor, clayey imbedded with caleche nodules.
						Refusal @ 12.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP73

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP73-001	89.1	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, clayey at 3.5'.
8'		GP73-002	870	None	Slight	Sand (SP), tan to white, very fine grain, well sorted, dry, no stain, slight odor, clayey imbedded with silty sand at 7.2'.
						TD @ 8.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP74

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP74-001	28.8	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, slight odor, clayey at 3.0'.
8'		GP74-002	34.1	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, slight odor, clayey.
12'		GP74-003	22.7	None	None	Sand (SP), tan, very fine grain, well sorted, dry, no stain, no odor, clayey imbedded with caleche nodules at 10.5'.
						Refusal @ 12.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP75

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP75-001	354	Heavy	Strong	Sand (SP), red-brown, very fine grain, well sorted, moist at 3.6', heavy stain, stong odor.
8'		GP75-002	449	Heavy	Strong	Sand (SP), red-brown, very fine grain, well sorted, moist, heavy stain, strong odor, clayey at 5.0'.
12'		GP75-003	29.9	None	None	Sand (SP), red-brown, very fine grain, well sorted, dry, no stain, no odor, silty sand imbedded with caleche nodules at 9.0'.
						Refusal @ 12.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.	
Site Name: TNM 97-23	
Project Number: EOT1010C	
Date Drilled: 01/25/00	
Boring / Well Name: GP76	

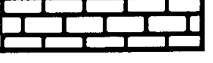
DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP76-001	709	None	Slight	Sand (SP), white to tan, very fine grain, well sorted, dry, no stain, slight odor.
8'		GP76-002	714	Mod.	Slight	Sand (SP), white to tan, very fine grain, well sorted, dry, moderate stain, slight odor, imbedded with caleche nodules at 7.5'.
12'		GP76-003	889	None	Mod.	Sand (SP), white to tan, very fine grain, well sorted, dry, no stain, moderate odor, imbedded with caleche nodules.
16'		GP76-004	13.7	None	None	Sand (SP), tan to red-brown, very fine grain, well sorted, dry, no stain, no odor, imbedded with caleche nodules and caleche at 13.5'.
						Refusal @ 16.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP77

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP77-001	15.7	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, moist, no stain, slight odor.
8'		GP77-002	0	None	Slight	Sand (SP), red-brown, very fine grain, well sorted, moist, no stain, slight odor, imbedded with caleche nodules at 7.0'.
12'		GP77-003	30.5	None	None	Sand (SP), white to tan, very fine grain, well sorted, dry, no stain, no odor, clayey at 9.5' imbedded with silty sand at 10.5'.
						Refusal @ 12.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP78

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP78-001	618	Slight	Slight	Sand (SP), red-brown, very fine grain, well sorted, moist, slight stain, slight odor, clayey at 3.5'.
8'		GP78-002	1072	Heavy	Slight	Sand (SP), red-brown, very fine grain, well sorted, moist, heavy stain, slight odor, clayey.
12'		GP78-003	109	None	Mod.	Sand (SP), white, very fine grain, well sorted, dry, no stain, moderate odor, clayey to 9.5', silty sand at 9.5'.
16'		GP78-004	67.2	None	None	Sand (SP), white to tan, very fine grain, well sorted, dry, no stain, no odor, silty sand to 16.0.
						Refusal @ 16.0'

SILT	
CLAY	
SAND	
CALECHE	

FIELD BORING LOG

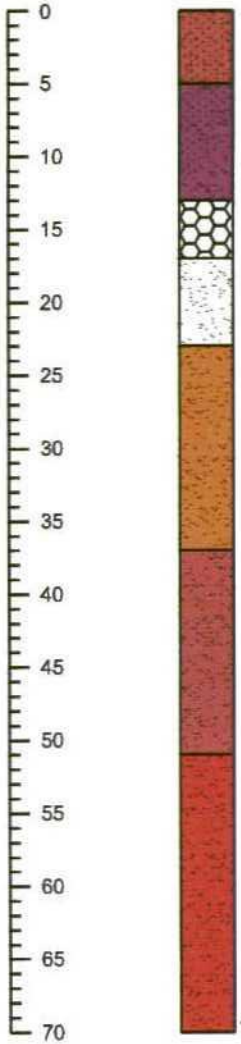
Client Name: EOTT ENERGY CORP.
Site Name: TNM 97-23
Project Number: EOT1010C
Date Drilled: 01/25/00
Boring / Well Name: GP79

DEPTH	LITH.	LAB SAMPLE	PID (ppm)	STAIN	ODOR	SOIL DESCRIPTION
4'		GP79-001	938	Heavy	Stong	Sand (SP), red-brown, very fine grain, well sorted, wet, heavy stain, strong odor.
8'		GP79-002	1096	Mod.	Strong	Sand (SP), red-brown, very fine grain, well sorted, wet, moderate stain, strong odor.
12'		GP79-003	171	None	Slight	Sand (SP), red-brown to tan, very fine grain, well sorted, moist, no stain, slight odor, clayey at 8.5' imbedded with silty sand at 10.5'.
16'		GP79-004	36.3	None	None	Sand (SP), tan to white, very fine grain, well sorted, dry, no stain, no odor, clayey layer ends at 13.0' with silty layer at 13.0' to 14.0'.
						Refusal @ 16.0'

SILT	
CLAY	
SAND	
CALECHE	

Soil Boring SB - 2

Depth (feet)	Soil Columns	PID Reading	Notes
0		0.0	
5		0.0	
10		0.0	
15		0.0	
20		0.0	
25		0.0	
30		0.0	
35		0.0	
40		0.0	
45		0.0	
50		0.0	
55		(0.0)	moist gravel
60		0.0	
65		0.0	
70	TD	0.0	



Legend

- Sand - (SP) - Brown, very fine grain, well sorted, dry.
- Sand - (SP) - White, very fine grain, well sorted, dry, interbedded with caleche nodules.
- Sand - (SP) - Tan, very fine grain, well sorted, dry, interbedded with caleche nodules.
- Sand - (SP) - Tan to White, very fine grain, well sorted, dry, interbedded with caleche nodules.
- Clay - (ML) - Red bed, dry
- Caliche - White, hard, interbedded with sand.
- PID — Head-space reading in ppm obtained with a photo-ionization detector.
- (0.0) — Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 11 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

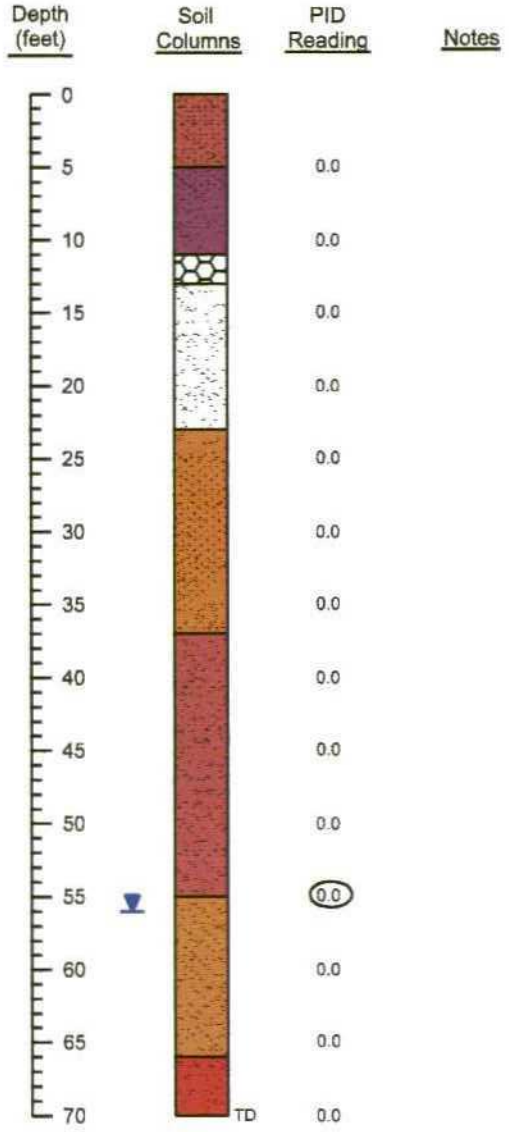
Soil Boring SB - 2

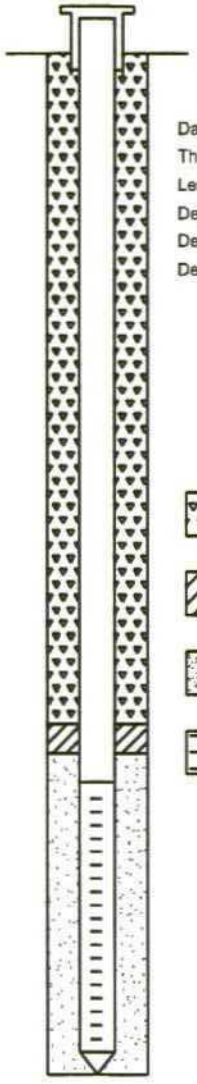
EOTT Energy Corp. TNM 97 - 23 Eunice, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 11, 2000	ETGI Project # EOT 1010C	

Monitoring Well MW - 2





Monitoring Well Details

Date Drilled	02 - 11 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	70 ft
Depth of Exploratory Well	70 ft
Depth to Ground Water	56 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry.

Sand - (SP) - White, very fine grain, well sorted, dry, interbedded with caleche nodules.

Sand - (SP) - Tan, very fine grain, well sorted, dry, interbedded with caleche nodules.

Sand - (SP) - Tan to White, very fine grain, well sorted, dry, interbedded with caleche nodules.

Clay - (ML) - Red bed, dry

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on drilling date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

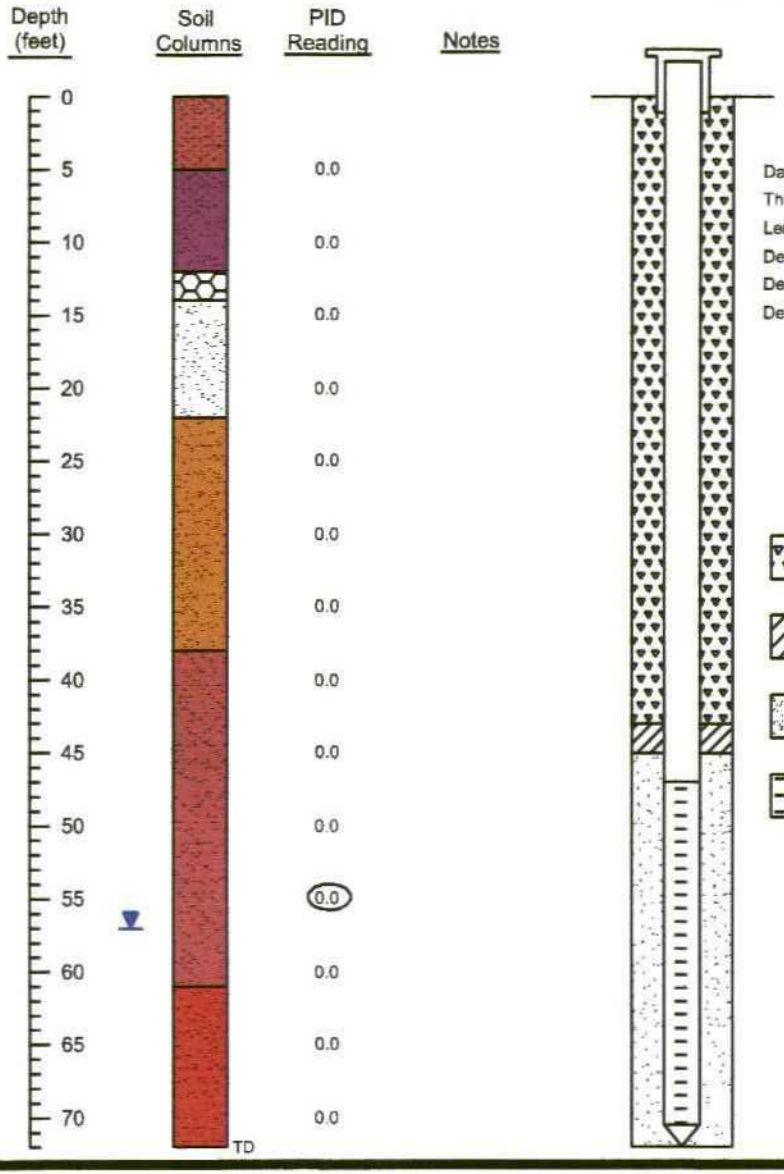
Monitoring Well - 2

EOTT Energy Corp. TNM 97 - 23 Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 11, 2000	ETGI Project # EOT 1010C	

Monitoring Well MW - 3



Monitoring Well Details

Date Drilled	02 - 11 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	25 ft
Depth of PVC Well	72 ft
Depth of Exploratory Well	72 ft
Depth to Ground Water	57 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

Legend

- Sand - (SP) - Brown, very fine grain, well sorted, dry.
- Sand - (SP) - White, very fine grain, well sorted, dry, interbedded with caleche nodules.
- Sand - (SP) - Tan, very fine grain, well sorted, dry, interbedded with caleche nodules.
- Sand - (SP) - Tan to White, very fine grain, well sorted, dry, interbedded with caleche nodules.
- Clay - (ML) - Red bed, dry
- Caliche - White, hard, interbedded with sand.
- Indicates samples selected for laboratory analysis.
- Indicates the PSH level measured on date.
- Indicates the ground water level measured on drilling date.
- PID — Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

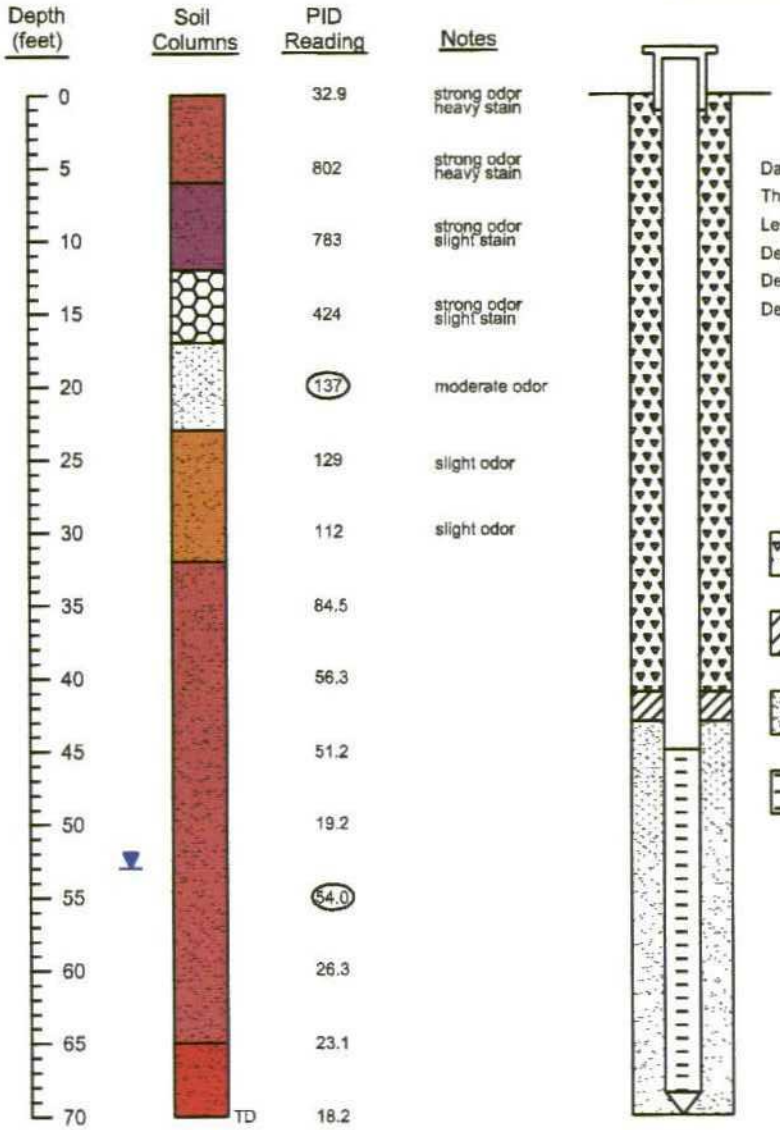
Monitoring Well - 3

EOTT Energy Corp. TNM 97 - 23 Eunice, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 11, 2000	ETGI Project # EOT 1010C	

Monitoring Well MW - 4



Monitoring Well Details

Date Drilled	02 - 11 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	25 ft
Depth of PVC Well	70 ft
Depth of Exploratory Well	70 ft
Depth to Ground Water	53 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry.

Sand - (SP) - White, very fine grain, well sorted, dry, interbedded with caleche nodules.

Sand - (SP) - Tan, very fine grain, well sorted, dry, interbedded with caleche nodules.

Sand - (SP) - Tan to White, very fine grain, well sorted, dry, interbedded with caleche nodules.

Clay - (ML) - Red bed, dry

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on drilling date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

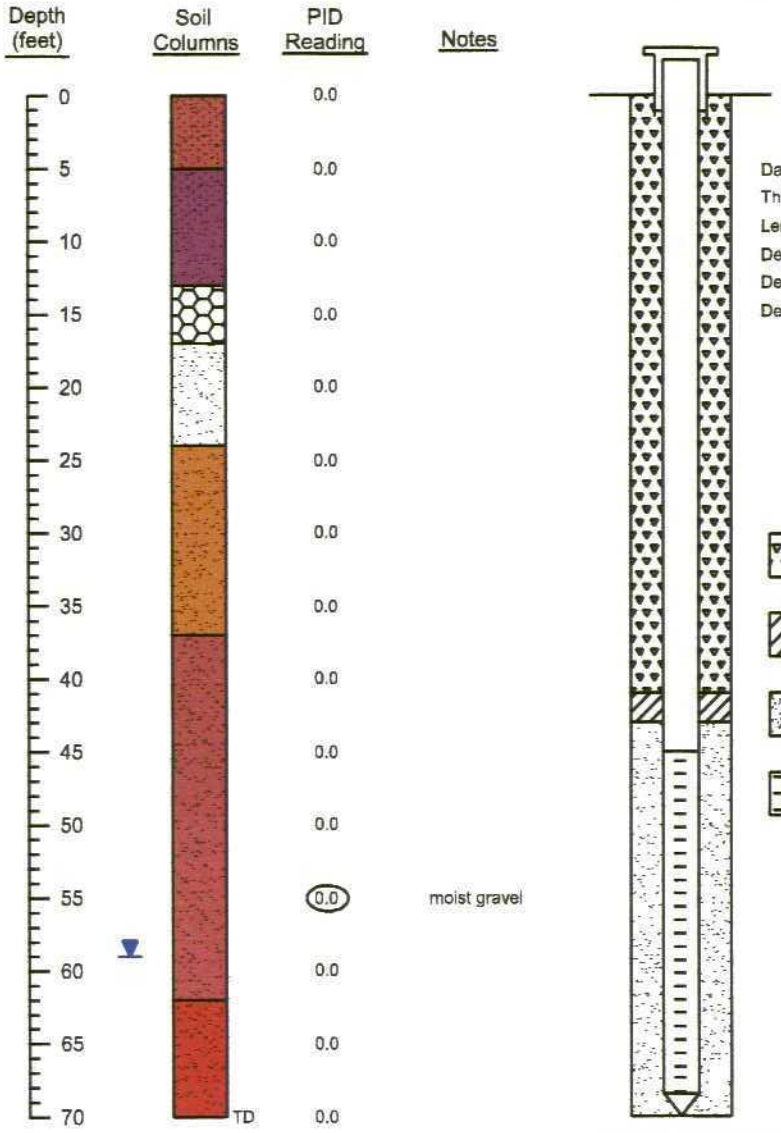
Monitoring Well - 4

EOTT Energy Corp. TNM 97 - 23 Eunice, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 11, 2000	ETGI Project # EOT 1010C	

Monitoring Well MW - 5



Monitoring Well Details

Date Drilled	02 - 16 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	25 ft
Depth of PVC Well	70 ft
Depth of Exploratory Well	70 ft
Depth to Ground Water	59.35 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry.

Sand - (SP) - White, very fine grain, well sorted, dry, interbedded with caleche nodules.

Sand - (SP) - Tan, very fine grain, well sorted, dry, interbedded with caleche nodules.

Sand - (SP) - Tan to White, very fine grain, well sorted, dry, interbedded with caleche nodules.

Clay - (ML) - Red bed, dry

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on drilling date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked slick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

Monitoring Well - 5

EOTT Energy Corp. TNM 97 - 23 Eunice, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 16, 2000	ETGI Project # EOT 1010C	

APPENDIX B

Laboratory Reports

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JERRY NICKELL
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1010C
Project Name: None Given
Project Location: Eunice, N.M.

Sampling Date: 01/17/00
Receiving Date: 01/18/00
Analysis Date: 01/18/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
22877	GP1 - 001 4 ft.	<10	<10
22879	GP1 - 003 8 ft.	<10	13
22880	GP2 - 001 4 ft.	<10	<10
22882	GP2 - 003 8 ft.	<10	<10
22883	GP3 - 001 4 ft.	<10	<10
22885	GP3 - 003 8 ft.	<10	<10
22886	GP4 - 001 4 ft.	<10	<10
22887	GP4 - 002 8 ft.	<10	23
22888	GP5 - 001 4 ft.	<10	<10
22891	GP5 - 004 11.5 ft.	<10	<10
22892	GP6 - 001 4 ft.	<10	<10
22893	GP6 - 002 8 ft.	<10	<10
22894	GP7 - 001 4 ft.	<10	<10
22895	GP7 - 002 8 ft.	<10	<10
22896	GP8 - 001 4 ft.	<10	<10
22897	GP8 - 002 8 ft.	<10	<10
22898	GP9 - 001 4 ft.	<10	<10
22899	GP9 - 002 8 ft.	1711	4198
	%INSTRUMENT ACCURACY	97	89
	% EXTRACTION ACCURACY	114	94
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

1-19-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JERRY NICKELL
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1010C
Project Name: TNM Consulting
Project Location: Eunice, N.M.

Sampling Date: 01/18/00
Receiving Date: 01/19/00
Analysis Date: 01/20/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
22918	GP9A-005 16	4188	6621
22919	GP9A-006 19	<10	137
22922	GP9B-002 8	<10	13

%INSTRUMENT ACCURACY	99	88
% EXTRACTION ACCURACY	98	93
BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

1-21-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Page 1 of 2

Project Manager: Jerry Nickell

Phone #: 915-522-1139

FAX #: 915-520-4310

Company Name & Address: ETOI

Project #: EOT 0100

Project Name:

Project Location: Eunice NM

Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE		# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE (2000)	TIME
22877	GP1-001	4ft ☆	4oz			X						X			1/17	
22878	GP1-002	6ft														
22879	GP1-003	8ft ☆														
22880	GP2-001	4ft ☆														
22881	GP2-002	6.5 ft														
22882	GP2-003	8 ft ☆														
22883	GP3-001	4ft ☆														
22884	GP3-002	6ft														
22885	GP3-003	8ft ☆														
22886	GP4-001	4ft ☆														
22887	GP4-002	8ft ☆														

ANALYSIS REQUEST

BTEX 8021B/5030	TPH #418.1 modified GRO/DRO	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	Hold for Analysis
	X						✓	
							✓	
							✓	

Relinquished by:	Date:	Time:	Received by:
	1/18/00	0755	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS: ☆ Run ones with Stars and hold Others as per Jerry Nickell 1/18/00, 11:00

FAX RESULTS ASAP

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: T. Nick II
Phone #: 915-522-1139
FAX #: 915-520-4310
Company Name & Address: ETGI
Project #: EOT 1010 C
Project Name: [illegible]
Project Location: Eunice NM
Sampler Signature: [signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8020/5030	TPH 8015 modified GRO/DRO	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	Metal for Analysis
22888	SS-001/4'	1	4oz	X							X			1/17			X							
22889	-002/6'																X						✓	
22890	-002/8'																						✓	
22891	-004 11.5'																							
22892	GP6 -001 4'																							
22893	-002 8'																							
22894	GP7 -001 4 ft																							
22895	-002 8 ft																							
22896	GP8 -001 4 ft																							
22897	-002 8 ft																							
22898	GP9 -001 4 ft																						✓	
22891	-002																							

Relinquished by:	Date:	Time:	Received by:
[signature]	1/18/00	0755	[signature]
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS: Fax Results to [illegible]

Pg 2 of 2

(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Tony Nickell

Phone #: 915-522-1139

FAX #: 915-520-4510

Company Name & Address: ETGT

Project #: EOTIGIOC

Project Name: TNM Consulting

Project Location: Eunice NM

Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	HONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH ~~418.1~~ 8015 modified DRO/GRO	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	
22914	GP9A-001 4	4oz			X						X			1/18	2000									
22915	GP9A-002 8																							
22916	GP9A-003 12																							
22917	GP9A-004 14																							
22918	GP9A-005 16 *																							
22919	GP9A-006 19 *																							
22920	GP9A-007 22																							
22921	GP9B-001 4																							
22922	GP9B-002 8 *																							

Relinquished by:	Date:	Times:	Received by:
	1/18/00		
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times: 9:05	Received by Laboratory: Celey Keene

REMARKS: Hold samples

FAX Results

(915) 563-1800 FAX (915) 563-1713

Project Manager: Jerry Nickell

Phone #: 915-522-1139

FAX #: 915-520-4310

Company Name & Address: ETGI

Project #: EOT1010C

Project Name: TNM 97-23

Project Location: Eunice NM

Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE		# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	H2SO4	OTHER	SAMPLING: DATE 2000	TIME	BTEX 8020/5030	TPH	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
22942	GPSC-001	4 ft	4oz			X						X			1/19									
22943	GPSC-002	8 ft																						
22944	GPSC-003	10 ft																						
22945	GPSD-001	4 ft																						
22946	GPSD-002	8 ft																						
22947	GPSD-003	10 ft																						
22948	GP10-001	4 ft																						
22949	GP10-002	8 ft																						
22950	GP11-001	4 ft																						
22951	GP11-002	8 ft																						
22952	GP12-001	4 ft																						
22953	GP12-002	8 ft																						

Relinquished by:	Date:	Time:	Received by:
	1/19/00		
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 1/20/00	Time:	Received by Laboratory: Cliff Reese

REMARKS

Hold until hear otherwise

Thanks

(915) 563-1800 FAX (915) 563-1713

Project Manager: Jerry Nickell

Phone #: 915-522-1151

FAX #: 915-520-4310

Company Name & Address: ETGI

Project #: EOT1010C

Project Name: TNM 9732

Project Location: Eunice NM

Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 8015 mod. DRO/GRO	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
22954	GP13-001 4ft	4oz		X							X			1/19	2000								
22955	GP13-002 8ft																						
22956	GP14 001 4ft																						
22957	GP14-002 8ft																						
22958	GP15 001 4ft																						
22959	GP15 002 8ft																						
22960	GP16 001 4ft																						
22961	GP16 002 8ft																						
22962	GP17 001 4ft																						
22963	GP17 002 8ft																						
22964	GP17 003 12ft																						
22965	GP17 004 15ft																						
22966	GP17 005 17ft																						

Relinquished by:	Date:	Time:	Received by:
GP17 004 15ft GP17 005 17ft			
Relinquished by:	Date:	Time:	Received by:
	1/19/00		
Relinquished by:	Date:	Time:	Received by Laboratory:
	1-20-00		

REMARKS

Hold until 'hear otherwise

Thanks

(915) 585-1800 FAX (915) [illegible]

Project Manager: Tony Mackell

Phone #: 915-5[illegible]1139

FAX #: 915-520-4310

Company Name & Address: ETGI

Project #: EOT1010 C

Project Name: TNM 9732

Project Location: Eunice NM

Sampler Signature: Quinetta Jones

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE		# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE 2000	TIME	BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	NCI	8015 Modified DRO/GRO
22979	GP18	001	4FT		1	X						X			1/21										X
22980	GP18	002	8FT																						
22981	GP19	001	4FT																						
22982	GP19	002	8FT																						
22983	GP20	001	4FT																						
22984	GP20	002	8FT																						
22985	GP21	001	4FT																						
22986	GP21	002	8FT																						
22987	GP22	001	4FT																						
22988	GP22	002	8FT																						
22989	GP23	001	4FT																						
22990	GP23	002	8FT																						

Relinquished by:	Date:	Time:	Received by:	REMARKS
Quinetta Jones	1/21/00			Hold until hear otherwise
Relinquished by:	Date: 1/21/00	Time:	Received by Laboratory: Cilley Kent	

Project Manager: Terry Nickell

Phone #: 915-[illegible]13[illegible]

FAX #: 915-520-4310

Company Name & Address: ETGI

Project #: EOT1010C

Project Name: TNM 9732

Project Location: Eunice NM

Sampler Signature: Justin Jones

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	H2SO4	OTHER	SAMPLING: DATE 2000	TIME
22991	GP24 001 4FT	4oz			X						X			1/25	
22992	GP24 002 8FT														
22993	GP25 001 4FT														
22994	GP25 002 8FT														
22995	GP26 001 4FT														
22996	GP26 002 8FT														
22997	GP27 001 4FT														
22998	GP27 002 8FT														
22999	GP28 001 4FT														
23000	GP28 002 8FT														
23001	GP29 001 4FT														
	GP29 002 8FT														

ANALYSIS REQUEST

DTEX XH2H/5H3H	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	8015 mod NM DRO/GRO
								X

REMARKS

Relinquished by:	Date:	Time:	Received by:
GP29 002 8FT 23001			
Justin Jones	1/21/00		
	1/21/00		Received by Laboratory: Cathy Reed

(915) 563-1800 FAX (915) 563-1713

Project Manager: Jerry Nickell

Phone #: 915-522-1151

FAX #: 915-520-4310

Company Name & Address: ETGI

Project #: ECT1010C

Project Name: TNM 9739

Project Location: Eunice NM

Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	H2SO4	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	NCI	SO4	Mod. Ford DROGRO
23003	GP30 COMP 4FT	402			X						X			1/21											
23004	GP30 COMP 9FT																								
23005	GP30 COMP 11FT																								
23006	GP31 COMP 4FT																								
23007	GP31 COMP 9FT																								
23008	GP32 COMP 4FT																								
23009	GP32 COMP 8FT																								
23010	GP32 COMP 11FT																								
23011	GP33 COMP 4FT																								
23012	GP33 COMP 9FT																								
23013	GP34 COMP 4FT																								

Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 1/21/00	Time:	Received by:
Relinquished by:	Date: 1/21/00	Time:	Received by Laboratory:

REMARKS

Hold until hear otherwise

Project Manager: J Nickell

Phone #: 915-[illegible]-1157

FAX #: 915-520-4310

Company Name & Address: ETGT

Project #: EOT10108C

Project Name: TNM 9732

Project Location: Eunice NM

Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE			# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	HONE	OTHER	SAMPLING: DATE	TIME	BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	NCI	8015 modified DRO/GRO
23014	GP34	002	8ft	402			X						X			1/21										
23015	GP34	003	10ft																							
23016	GP35	001	4ft																							
23017	GP35	002	8ft																							
23018	GP35	003	10ft																							

Relinquished by:	Date:	Time:	Received by:
	1/21/00		
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 1/21/00	Time:	Received by Laboratory:

REMARKS

Hold until hear otherwise

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

FILE

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JERRY NICKELL
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1010C
Project Name: TNM 97-23
Project Location: Eunice, N.M.

Sampling Date: 01/25/00
Receiving Date: 01/25/00
Analysis Date: 01/26/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23130	GP63 001 4'	2294	3240
23131	GP63 002 8'	<10	<10
23132	GP63 003 12'	<10	<10
23133	GP64 001 4'	906	2759
23134	GP64 002 8'	306	1110
23135	GP64 003 12'	330	938
23136	GP64 004 16'	<10	<10
23137	GP65 001 4'	2282	4237
23138	GP65 002 8'	1368	2561
23139	GP65 003 12'	3350	5739
23140	GP65 004 16'	3378	5119
23141	GP65 005 20'	<10	<10
23142	GP66 001 4'	2993	4428
23143	GP66 002 8'	845	677
23144	GP66 003 12'	9391	12666
23145	GP66 004 16'	6670	9700
23146	GP67 001 4'	2664	4915
23147	GP67 002 8'	1474	2454
23148	GP67 003 12'	5088	6370
23149	GP67 004 16'	<10	<10
	%INSTRUMENT ACCURACY	110	102
	% EXTRACTION ACCURACY	110	93
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

1-31-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JERRY NICKELL
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1010C
Project Name: TNM 97-23
Project Location: Eunice, N.M.

Sampling Date: 01/25/00
Receiving Date: 01/25/00
Analysis Date: 01/27/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23150	GP68 001 4'	826	4826
23151	GP68 002 8'	<10	95
23152	GP68 003 12'	<10	69
23153	GP68 004 16'	<10	<10
23154	GP69 001 4'	2388	4374
23155	GP69 002 8'	<10	92
23156	GP69 003 12'	<10	17
23157	GP69 004 16'	<10	11
23158	GP70 001 4'	<10	33
23159	GP70 002 8'	<10	25
23160	GP71 001 4'	<10	31
23161	GP71 002 8'	214	842
23162	GP71 003 12'	2613	4050
23163	GP71 004 16'	8555	11326
23164	GP72 001 4'	<10	20
23165	GP72 002 8'	<10	53
23166	GP72 003 12'	<10	<10
	%INSTRUMENT ACCURACY	103	85
	% EXTRACTION ACCURACY	101	86
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

1-31-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JERRY NICKELL
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1010C
Project Name: TNM 97-23
Project Location: Eunice, N.M.

Sampling Date: 01/25/00
Receiving Date: 01/25/00
Analysis Date: 1/27 & 1/28/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23167	GP73 001 4'	463	1709
23168	GP73 002 8'	1324	2353
23169	GP74 001 4'	<10	<10
23170	GP74 002 8'	<10	24
23171	GP74 003 12'	<10	<10
23172	GP75 001 4'	406	752
23173	GP75 002 8'	1336	2266
23174	GP75 003 12'	<10	<10
23175	GP76 001 4'	2933	5121
23176	GP76 002 8'	1144	2202
23177	GP76 003 12'	1446	3212
23178	GP76 004 16'	<10	<10
23179	GP77 001 4'	<10	<10
23180	GP77 002 8'	<10	21
23181	GP77 003 12'	<10	<10
23182	GP78 001 4'	1168	2289
23183	GP78 002 8'	1655	2761
23184	GP78 003 12'	3222	5592
23185	GP78 004 16'	<10	<10
23186	GP79 001 4'	612	1137
23187	GP79 002 8'	2654	4130
23188	GP79 003 12'	127	352
23189	GP79 004 16'	<10	<10
	%INSTRUMENT ACCURACY	103	88
	% EXTRACTION ACCURACY	101	87
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

1-31-00
Date

(915) 563-1800 FAX (915) 563-1713

Project Manager: J Nickell

Phone #: 915-522-1139

FAX #: 915-520-4310

Company Name & Address: ETGI

Project #: EOT 1010C

Project Name: TNM 97-23

Project Location: Eunice NM

Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	80.15 mod DRO GRO
23130	GP63 001 4'	4oz			X						X			1/25/2000										
23131	GP63 002 8'																							
23132	GP63 003 12'																							
23133	GP64 001 4'																							
23134	GP64 002 8'																							
23135	GP64 003 12'																							
23136	GP64 004 16'																							
23137	GP65 001 4'																							
23138	GP65 002 8'																							
23139	GP65 003 12'																							
23140	GP65 004 16'																							

Relinquished by:	Date:	Time:	Received by:
Quista Jones	1/26/00	1200	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

(915) 563-1800 FAX (915) 563-1713

Project Manager: J Nickell

Phone #: 915-522-1139

FAX #: 915-520-4310

Company Name & Address: ETGI

Project #: EOT1010C

Project Name: TNM 97-23

Project Location: Eunice NM

Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	HCl	8015 mod DRO/GRO
23141	GP65 ~~004~~ 005	20'	402		X						X			1/25	2000									
23142	GP66 001	4'																						
23143	GP66 002	8'																						
23144	GP66 003	12'																						
23145	GP66 004	16'																						
23146	GP67 001	4'																						
23147	GP67 002	8'																						
23148	GP67 003	12'																						
23149	GP67 004	16'																						
23150	GP68 001	4'																						
23151	GP68 002	8'																						

Relinquished by:	Date:	Time:	Received by:
Juanita Jones	1/26/00	1200	Paula Jones
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

(915) 563-1800 FAX (915) 563-1713

Project Manager: | Phone #: | FAX #:

Company Name & Address:

Project #: | Project Name:

Project Location: | Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	PD.15 mod. DRO/GRO
23152	GP68 003 12'	4oz			X						X			1/25										
23153	GP68 004 16'																							
23154	GP69 001 4'																							
23155	GP69 002 8'																							
23156	GP69 003 12'																							
23157	GP69 004 16'																							
23158	GP70 001 4'																							
23159	GP70 002 8'																							
23160	GP71 001 4'																							
23161	GP71 003 8'																							
23162	GP71 003 12'																							

Relinquished by:	Date:	Time:	Received by:
Juanita Jones	1/26/00	1200	Richard Judd
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: J Nickell

Phone #: 915-522-1139

FAX #: 915-520-4310

Company Name & Address: ETGI

Project #: EOT1010C

Project Name: TNM 97-23

Project Location: Eunice NM

Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE			# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	HONE	OTHER	SAMPLING: DATE	TIME
23163	GP71	004	16'	4oz			X						X			1/25/2000	
23164	GP72	001	4'														
23165	GP72	002	8'														
23166	GP72	003	12'														
23167	GP73	001	4'														
23168	GP73	002	8'														
23169	GP74	001	4'														
23170	GP74	002	8'														
23171	GP74	003	12'														
23172	GP75	001	4'														
23173	GP75	002	8'														

ANALYSIS REQUEST

- BTEX 8021B/5030
- TPH 418.1
- TCLP Metals Ag As Ba Cd Cr Pb Hg Se
- Total Metals Ag As Ba Cd Cr Pb Hg Se
- TCLP Volatiles
- TCLP Semi Volatiles
- TDS
- RCI
- 80, 15 mod. DRO GRO

Relinquished by:	Date:	Time:	Received by:
Christy Gomez	1/26/00	1200	Richard Jones
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

(915) 563-1800 FAX (915) 563-1713

Project Manager: J Nickell

Phone #: 915-522-1139

FAX #: 915-520-4310

Company Name & Address: ETGI

Project #: EOT 10106

Project Name: TNM 97-23

Project Location: Eunice NM

Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	MATRIX: OTHER	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD: OTHER	SAMPLING: DATE 2000	SAMPLING: TIME	BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	8015 mod. DRO/GRO
23174	GP75 003 12'	4oz			X						X			1/25										
23175	GP76 001 4'																							
23176	GP76 002 8'																							
23177	GP76 003 12'																							
23178	GP76 004 16'																							
23179	GP77 001 4'																							
23180	GP77 002 8'																							
23181	GP77 003 12'																							
23182	GP78 001 4'																							
23183	GP78 002 8'																							
23184	GP78 003 12'																							

Relinquished by:	Date:	Time:	Received by:
Kristi Gomez	1/26/00	1200	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

(915) 563-1800 FAX (915) 563-1713

Project Manager: J Nickell

Phone #: 915-522-1137

FAX #: 915-520-4310

Company Name & Address: ETCoI

Project #: EOT1010C

Project Name: TNM 97-23

Project Location: Eunice NM

Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME
23185	GP78 004 16'	4oz			X						X			1/25/2000	
23186	GP79 001 4'														
23187	GP79 002 8'														
23188	GP79 003 12'														
23189	GP79 004 16'														

BTEX 8021B/5030

TPH 418.1

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

Total Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

TDS

RCI

80.15 mod. DRO GRO

Relinquished by:	Date:	Time:	Received by:
Quinton Jones	1/26/00	1200	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT 1010C
Project Name: TNM 97-23
Project Location: Eunice, N.M.

Sampling Date: 02/11/00
Receiving Date: 02/15/00
Analysis Date: 02/15/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23564	MW-2 (55')	<0.100	<0.100	<0.100	<0.100	<0.100
23565	MW-3 (55')	<0.100	<0.100	<0.100	<0.100	<0.100
23566	MW-4 (20')	<0.100	<0.100	<0.100	<0.100	<0.100
23567	MW-4 (55')	<0.100	<0.100	<0.100	<0.100	<0.100
23568	SB-2 (55')	<0.100	<0.100	<0.100	<0.100	<0.100
	% IA	111	104	103	107	104
	% EA	106	103	100	102	100
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle

2-17-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1010C
Project Name: TNM 97-23
Project Location: Eunice, N.M.

Sampling Date: 02/11/00
Receiving Date: 02/15/00
Analysis Date: 02/16/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23564	MW-2 (55')	<10	<10
23565	MW-3 (55')	<10	<10
23566	MW-4 (20')	<10	52
23567	MW-4 (55')	<10	<10
23568	SB-2 (55')	<10	<10
	%INSTRUMENT ACCURACY	100	108
	% EXTRACTION ACCURACY	106	109
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

2-17-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 082

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. BOX 4845 MIDLAND TX 79704

Project #: [redacted] EOT1010C

Project Name: TNM 97-23

Project Location: EUNICE NM

Sampler Signature: Jon Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	HONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TOS	RCI	TPH 8015 DRO/GRO
23564	MW 2 (55')	1	40Z	X							X			2-11	1000	X								X
23565	MW-3 (55')														1145									
23566	MW-4 (20')														1610									
23567	MW-4 (55')														1645									
23568	SB-2 (55')														1410									

Relinquished by:	Date:	Time:	Received by:
Jon Dutton	0800 -15 FEB 00	0800	Simon Casas
Simon Casas	1100 2/15/00	1100	
	Date:	Time:	Received by Laboratory:
	2/15/00	1155	

REMARKS

F R:
K. DUTTON,

INVOICE: L. FROST

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1010C
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 02/16/00
Receiving Date: 02/24/00
Analysis Date: 02/24/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23721	MW-5 (55')	<10	<10
	%INSTRUMENT ACCURACY	120	102
	% EXTRACTION ACCURACY	124	93
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

2-28-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-2760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT 1010C
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 02/16/00
Receiving Date: 02/24/00
Analysis Date: 02/25 & 02/26/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23721	MW-5 (55')	<0.100	<0.100	<0.100	<0.100	<0.100
	% IA	100	96	94	96	94
	% EA	98	96	91	94	93
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle

2-28-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 85

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 MIDLAND TX 79704

Project #: EOT 1010C

Project Name: TNM 97-23

Project Location: LEA COUNTY NM

Sampler Signature: Ken Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021(5030)	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015-DRO/GRO
														2000										
23721	MW-5 (55')	1	4oz		X						X			2-16	0945	X								X

Relinquished by:	Date:	Times:	Received by:
Ken Dutton	2-16-00	1425	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS

F.R.
K. DUTTON

INV: L. FROST

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310(Jerry)
FAX: 281-362-8932(Teresa)

SampleType: Soil
Sample Condition: Intact/ Iced
Project #: EOT 1010C
Project Name: TNM 97-23
Project Location: Eunice, N.M.

Sampling Date: 03/02/00
Receiving Date: 03/02/00
Analysis Date: 3/03 & 3/04/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23927	GP-17-001-1	<0.100	<0.100	<0.100	<0.100	<0.100
23928	GP-17-003-1	<0.100	<0.100	<0.100	0.137	<0.100
23931	GP-35-001-1	<0.100	0.260	1.05	1.45	2.17
23932	GP-35-002-1	<0.100	0.775	6.95	5.73	9.28
23933	GP-35-003-1	<0.100	56.9	6.43	85.4	38.9
23934	GP-35-004-1	<0.100	46.9	7.82	68.9	28.1
23935	GP-49-001-1	<0.100	0.204	<0.100	<0.100	0.165
23936	GP-49-002-1	<0.100	<0.100	<0.100	0.297	0.204
23937	GP-49-003-1	<0.100	<0.100	2.38	10.0	6.25
23938	GP-49-004-1	<0.100	<0.100	2.79	10.9	6.02
23939	GP-49-005-1	<0.100	<0.100	<0.100	0.111	<0.100
23940	GP-50-001-1	<0.100	<0.100	<0.100	<0.100	<0.100
23941	GP-50-002-1	<0.100	<0.100	<0.100	<0.100	<0.100
23942	GP-51-001-1	<0.100	<0.100	<0.100	<0.100	<0.100
23943	GP-51-002-1	<0.100	<0.100	<0.100	<0.100	<0.100
23944	GP-52-001-1	<0.100	<0.100	<0.100	<0.100	<0.100
23945	GP-52-002-1	<0.100	<0.100	<0.100	<0.100	<0.100
23946	GP-53-001-1	<0.100	0.155	<0.100	<0.100	<0.100
23947	GP-53-002-1	<0.100	0.129	<0.100	<0.100	<0.100
23948	GP-56-001-1	<0.100	0.202	<0.100	0.151	<0.100
23949	GP-56-002-1	<0.100	0.115	<0.100	<0.100	<0.100
23950	GP-57-001-1	<0.100	<0.100	0.179	0.854	<0.100
23951	GP-57-002-1	<0.100	<0.100	<0.100	0.523	<0.100
	% IA	104	99	98	101	98
	% EA	102	98	96	98	96
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle

3-6-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310(Jerry)
FAX: 281-362-8932(Teresa)

SampleType: Soil
Sample Condition: Intact/ Iced
Project #: EOT 1010C
Project Name: TNM 97-23
Project Location: Eunice, N.M.

Sampling Date: 03/02/00
Receiving Date: 03/02/00
Analysis Date: 03/05/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23952	GP-58-001-1	<0.100	<0.100	<0.100	<0.100	<0.100
23953	GP-58-002-1	<0.100	<0.100	<0.100	<0.100	<0.100
23954	GP-59-001-1	<0.100	<0.100	<0.100	<0.100	<0.100
23955	GP-59-002-1	<0.100	<0.100	<0.100	<0.100	<0.100
23956	GP-60-001-1	<0.100	<0.100	<0.100	<0.100	<0.100
23957	GP-60-002-1	<0.100	<0.100	<0.100	<0.100	<0.100
23958	GP-61-001-1	<0.100	<0.100	<0.100	<0.100	<0.100
23959	GP-61-002-1	<0.100	<0.100	<0.100	<0.100	<0.100
23960	GP-62-001-1	<0.100	<0.100	<0.100	<0.100	<0.100
23961	GP-62-002-1	<0.100	<0.100	<0.100	<0.100	<0.100
% IA		101	99	96	99	96
% EA		107	102	99	103	99
BLANK		<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle

3-6-00
Date

ENVIRONMENTAL LAB OF , INC.

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P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310(Jerry)
FAX: 281-362-8932 (Teresa)

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1010C
Project Name: TNM 97-23
Project Location: Eunice, N.M.

Sampling Date: 03/02/00
Receiving Date: 03/02/00
Analysis Date: 03/03/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23927	GP-17-001-1	<10	<10
23928	GP-17-003-1	<10	709
23931	GP-35-001-1	1408	6009
23932	GP-35-002-1	2071	12213
23933	GP-35-003-1	3348	5508
23934	GP-35-004-1	2784	4980
23935	GP-49-001-1	32	620
23936	GP-49-002-1	<10	377
23937	GP-49-003-1	702	2064
23938	GP-49-004-1	1240	3000
23939	GP-49-005-1	<10	<10
23940	GP-50-001-1	<10	<10
23941	GP-50-002-1	<10	<10
23942	GP-51-001-1	<10	<10
23943	GP-51-002-1	<10	<10
23944	GP-52-001-1	<10	<10
23945	GP-52-002-1	<10	<10
23946	GP-53-001-1	<10	<10
23947	GP-53-002-1	<10	<10
23948	GP-56-001-1	<10	<10
23949	GP-56-002-1	<10	<10
	%INSTRUMENT ACCURACY	113	85
	% EXTRACTION ACCURACY	109	88
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

3-6-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310(Jerry)
FAX: 281-362-8932 (Teresa)

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1010C
Project Name: TNM 97-23
Project Location: Eunice, N.M.

Sampling Date: 03/02/00
Receiving Date: 03/02/00
Analysis Date: 03/03/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23950	GP-57-001-1	<10	<10
23951	GP-57-002-1	<10	<10
23952	GP-58-001-1	<10	<10
23953	GP-58-002-1	<10	<10
23954	GP-59-001-1	<10	<10
23955	GP-59-002-1	<10	<10
23956	GP-60-001-1	<10	<10
23957	GP-60-002-1	<10	<10
23958	GP-61-001-1	<10	<10
23959	GP-61-002-1	<10	<10
23960	GP-62-001-1	<10	<10
23961	GP-62-002-1	<10	<10

%INSTRUMENT ACCURACY	96	79
% EXTRACTION ACCURACY	94	77
BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

3-6-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 95

Project Manager: Jessie Taylor
Phone #: (915) 664-9166
FAX #: (915) 392-3760

Company Name & Address: E.T.G.I. P.O. Box 4845 Midland Tx 79704

Project #: EOT 1010C
Project Name: TNM 9723

Project Location: Eunice N.M.
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23927	6P-17-001-1	1	4oz		X						X				8:30	X								X
23928	6P-17-003-1														8:45	X								X
23929	6P-24-001-1														9:00		HOLD							
23930	6P-24-002-1														9:15		HOLD							
23931	6P-35-001-1														9:30	X								X
23932	6P-35-002-1														9:40	X								X
23933	6P-35-003-1														9:45	X								X
23934	6P-35-004-1														10:00	X								X
23935	6P-49-001-1														4:00	X								X
23936	6P-49-002-1														4:15	X								X
23937	6P-49-003-1														10:15	X								X

Relinquished by:	Date:	Times:	Received by:
Jon Dutton	2 MAR 00	5:46	Rolanck Jones
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS: 9x FR results
K DUTTON - HOBBS
J. NICKELLS - MIDLAND
Teresa - Houston 281-362-8932

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 95

Project Manager: Jessie Taylor
Phone #: (915)664-9166
FAX #: (505)392-3760

Company Name & Address: E.T.G.I. P.O. Box 4845 Midland Tx 79704

Project #: EOT 1010C
Project Name: TNM 9723

Project Location: E Unice N.M.
Sampler Signature: Ron Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23938	6P-49-004-1	1	4oz		X						X			4:30		X								X
23939	6P-49-005-1													4:45		X								X
23940	6P-50-001-1													10:30		X								X
23944	6P-50-002-1													10:45		X								X
23942	6P-51-001-1													11:00		X								X
23943	6P-51-002-1													11:15		X								X
23944	6P-52-001-1													11:30		X								X
23945	6P-52-002-1													11:45		X								X
23946	6P-53-001-1													12:00		X								X
23947	6P-53-002-1													12:15		X								X
23948	6P-56-001-1													12:30		X								X

Relinquished by:	Date:	Times:	Received by:
Ron Dutton	2 MAR 00	5:46	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS

3 of 4

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC; 95

Project Manager: Jessie Taylor	Phone #: (915) 664-9166 FAX #: (505) 392-3760
Company Name & Address: E.T.G.I. P.O. Box 4845 Midland Tx. 79704	
Project #: EOT 1010 C	Project Name: TNM 9723
Project Location: Eunice NM.	Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23949	6P-56-002-1	1	4 oz		X						X			12:45		X								X
23950	6P-57-001-1													1:00		X								X
23951	6P-57-002-1													1:15		X								X
23952	6P-58-001-1													1:30		X								X
23953	6P-58-002-1													1:45		X								X
23954	6P-59-001-1													2:00		X								X
23955	6P-59-002-1													2:15		X								X
23956	6P-60-001-1													2:30		X								X
23957	6P-60-002-1													2:45		X								X
23958	6P-61-001-1													3:00		X								X
23959	6P-61-002-1													3:15		X								X

Relinquished by:	Date:	Times:	Received by:	REMARKS
Jessie Taylor	2 MAR 00	5:46	Rebecca Jones	
Relinquished by:	Date:	Times:	Received by:	
Relinquished by:	Date:	Times:	Received by Laboratory:	

4 of 4

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Jessie Taylor	Phone #: (915) 664-9166 FAX #: (505) 392-3760
Company Name & Address: E.T.G.I. P.O. Box 4845 Midland Tx. 79704	
Project #: EOT 1010 C	Project Name: TNM 9723
Project Location: Eunice NM.	Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23960	GP-62-001-1	1	4 oz		X						X				3:30	X								X
23961	GP-62-002-1														3:45	X								X
23962	GP17-002-1																HOLD							

Relinquished by:	Date:	Times:	Received by:
Jessie Taylor	2 MAR 00	5:46	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 03/21 & 03/22/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
24179	GP 71	402	7089
24180	GP 78	207	6764
24181	GP 79	148	9339

%INSTRUMENT ACCURACY	114	104
% EXTRACTION ACCURACY	62	113
BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

4-13-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: GP 79

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 04/03/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24181	REPORTING LIMIT	%DEV	Method Blank
Chloromethane	ND	0.100	22.9	ND
Vinyl chloride	ND	0.100	13.8	ND
Bromomethane	ND	0.100	24.7	ND
Chloroethane	ND	0.100	10.4	ND
Trichlorofluoromethane	ND	0.100	5.2	ND
Acetone	ND	0.100	-17.2	ND
1,1-Dichloroethene	ND	0.100	12.6	ND
Carbon Disulfide	ND	0.100	12.9	ND
Methylene Chloride	ND	0.100	18.0	ND
trans-1,2-Dichloroethene	ND	0.100	10.5	ND
1,1-Dichloroethane	ND	0.100	8.6	ND
2-Butanone	0.532	0.100	24.8	ND
cis-1,2-dichloroethene	ND	0.100	9.6	ND
Bromochloromethane	ND	0.100	10.3	ND
Chloroform	ND	0.100	5.8	ND
1,1,1-Trichloroethane	ND	0.100	11.5	ND
Carbon Tetrachloride	ND	0.100	12.8	ND
Benzene	ND	0.100	6.2	ND
1,2 Dichloroethane	ND	0.100	1.7	ND
Trichloroethene	ND	0.100	2.5	ND
1,2-Dichloropropane	ND	0.100	8.1	ND
Dibromomethane	ND	0.100	10.3	ND
Bromodichloromethane	ND	0.100	5.3	ND
2-Hexanone	ND	0.100	23.6	ND
4-Methyl 2-Pentanone	ND	0.100	23.9	ND
cis 1,3 Dichloropropene	ND	0.100	8.2	ND
Toluene	ND	0.100	4.2	ND
trans 1,3-Dichloropropene	ND	0.100	18.3	ND
1,1,2-Trichloroethane	ND	0.100	6.3	ND
Dibromochloromethane	ND	0.100	-0.7	ND

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P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: GP 79

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 04/03/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24181	REPORTING LIMIT	%DEV	Method Blank
Tetrachloroethene	ND	0.100	-17.6	ND
Chlorobenzene	ND	0.100	-8.0	ND
1,1,1,2-Tetrachloroethane	ND	0.100	14.0	ND
Ethylbenzene	ND	0.100	-1.2	ND
m&p Xylene	ND	0.100	5.8	ND
o-Xylene	ND	0.100	-1.8	ND
Styrene	ND	0.100	-4.7	ND
Bromoform	ND	0.100	-1.9	ND
1,1,2,2-Tetrachloroethane	ND	0.100	14.0	ND
1,2,3-Trichloropropane	ND	0.100	10.3	ND
1,4-Dichlorobenzene	ND	0.100	-0.5	ND
1,2-Dichlorobenzene	ND	0.100	0.2	ND
1,2-Dibromo-3-Chloropropane	ND	0.100	12.7	ND

SYSTEM MONITORING COMPOUNDS	% RECOVERY
Dibromofluoromethane	101
Toluene-d8	91
4-Bromofluorobenzene	93
1,2-dichloroethane-d4	99

ND=<REPORTING LIMIT

Raland K. Tuttle

4-13-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: GP 79

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00

EPA SW846 8270 (mg/kg)	REPORT LIMIT	ELT# 24181	RPD	%EA	%DEV
Naphthalene	0.250	ND			4.5
Acenaphthylene	0.250	ND			4.2
Acenaphthene	0.250	ND	8	41	5.2
Fluorene	0.250	ND			5.7
Phenanthrene	0.250	ND			3.9
Anthracene	0.250	ND			1.1
Fluoranthene	0.250	ND			5.0
Pyrene	0.250	ND	2	34	8.6
Benzo[a]anthracene	0.250	ND			11.3
Chrysene	0.250	ND			13.2
Benzo[b]fluoranthene	0.250	ND			17.4
Benzo[k]fluoranthene	0.250	ND			12.9
Benzo [a]pyrene	0.250	ND			8.3
Indeno[1,2,3-cd]pyrene	0.250	ND			0.0
Dibenz[a,h]anthracene	0.250	ND			1.7
Benzo[g,h,i]perylene	0.250	ND			2.0

	% RECOVERY
Nitrobenzene-d5 SURR	*
2-Fluorobiphenyl SURR	*
Terphenyl-d14 SURR	*

ND= not detected at reporting limit
*NOTE: surrogate diluted out

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: GP 79

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00
ELT # 24181

Tenatively Identified Compounds	EQL mg/kg
2-Methylnaphthalene	0.001
3,6-dimethyl-undecane	0.016
Tridecane	0.029
6-propyl-tridecane	0.025
Heptadecane	0.034
2,6-dimethyl-heptadecane	0.040
Octadecane	0.029
2,6,10,14-tetramethyl-hexadecane	0.042
Tetradecane	0.040
Eicosane	0.044
Docosane	0.049
Nonadecane	0.021
10-methyl-eicosane	0.050

EQL = estimated quantitation level

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

4-13-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Oil
Sample Condition: Intact/Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: Pipeline

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 04/03/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24182	REPORTING LIMIT	%DEV	Method Blank
Chloromethane	ND	81	22.9	ND
Vinyl chloride	ND	81	13.8	ND
Bromomethane	ND	81	24.7	ND
Chloroethane	ND	81	10.4	ND
Trichlorofluoromethane	ND	81	5.2	ND
Acetone	ND	81	-17.2	ND
1,1-Dichloroethene	ND	81	12.6	ND
Carbon Disulfide	ND	81	12.9	ND
Methylene Chloride	ND	81	18.0	ND
trans-1,2-Dichloroethene	ND	81	10.5	ND
1,1-Dichloroethane	ND	81	8.6	ND
2-Butanone	ND	81	24.8	ND
cis-1,2-dichloroethene	ND	81	9.6	ND
Bromochloromethane	ND	81	10.3	ND
Chloroform	ND	81	5.8	ND
1,1,1-Trichloroethane	ND	81	11.5	ND
Carbon Tetrachloride	ND	81	12.8	ND
Benzene	8019	81	6.2	ND
1,2 Dichloroethane	ND	81	1.7	ND
Trichloroethene	ND	81	2.5	ND
1,2-Dichloropropane	ND	81	8.1	ND
Dibromomethane	ND	81	10.3	ND
Bromodichloromethane	ND	81	5.3	ND
2-Hexanone	ND	81	23.6	ND
4-Methyl 2-Pentanone	ND	81	23.9	ND
cis 1,3 Dichloropropene	ND	81	8.2	ND
Toluene	13441	81	4.2	ND
trans 1,3-Dichloropropene	ND	81	18.3	ND
1,1,2-Trichloroethane	ND	81	6.3	ND
Dibromochloromethane	ND	81	-0.7	ND

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Oil
Sample Condition: Intact/Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: Pipeline

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 04/03/00

Volatiles EPA SW 846-8260, (mg/kg) Compounds	ELT# 24182	REPORTING LIMIT	%DEV	Method Blank
Tetrachloroethene	ND	81	-17.6	ND
Chlorobenzene	ND	81	-8.0	ND
1,1,1,2-Tetrachloroethane	ND	81	14.0	ND
Ethylbenzene	2879	81	-1.2	ND
m&p Xylene	6644	81	5.8	ND
o-Xylene	ND	81	-1.8	ND
Styrene	ND	81	-4.7	ND
Bromoform	ND	81	-1.9	ND
1,1,2,2-Tetrachloroethane	ND	81	14.0	ND
1,2,3-Trichloropropane	ND	81	10.3	ND
1,4-Dichlorobenzene	ND	81	-0.5	ND
1,2-Dichlorobenzene	ND	81	0.2	ND
1,2-Dibromo-3-Chloropropane	ND	81	12.7	ND

SYSTEM MONITORING COMPOUNDS	% RECOVERY
Dibromofluoromethane	99
Toluene-d8	88
4-Bromofluorobenzene	84
1,2-dichloroethane-d4	99

ND=<REPORTING LIMIT

Tenatively Identified Compound	*EQL mg/kg*	*Tenatively Identified Compound*	*EQL mg/kg*
1,3-Dichloropropane	6	sec-Butylbenzene	439
Isopropylbenzene	924	p-Isopropyltoluene	459
1,3,5-Trimethylbenzene	823	Naphthalene	1251

Raland K. Tuttle

Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Oil
Sample Condition: Intact/ Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: Pipeline

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00

EPA SW846 8270 (mg/kg)	REPORT LIMIT	ELT# 24182	RPD	%EA	%DEV
Naphthalene	0.250	ND			1.4
Acenaphthylene	0.250	ND			10.4
Acenaphthene	0.250	ND	8	41	1.5
Fluorene	0.250	ND			2.0
Phenanthrene	0.250	ND			7.6
Anthracene	0.250	ND			6.6
Fluoranthene	0.250	ND			-1.1
Pyrene	0.250	ND	2	34	5.2
Benzo[a]anthracene	0.250	ND			9.7
Chrysene	0.250	ND			8.0
Benzo[b]fluoranthene	0.250	ND			15.9
Benzo[k]fluoranthene	0.250	ND			16.3
Benzo [a]pyrene	0.250	ND			5.3
Indeno[1,2,3-cd]pyrene	0.250	ND			3.6
Dibenz[a,h]anthracene	0.250	ND			3.8
Benzo[g,h,i]perylene	0.250	ND			-2.4
		% RECOVERY			
Nitrobenzene-d5 SURR		*			
2-Fluorobiphenyl SURR		*			
Terphenyl-d14 SURR		*			

ND= not detected at reporting limit
*NOTE: surrogate diluted out

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Oil
Sample Condition: Intact/ Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: Pipeline

Sampling Date: 03/20/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00
ELT # 24182

Tenatively Identified Compounds	EQL mg/kg
Phenol	0.028
2-Chlorophenol	0.027
1,4-Dichlorobenzene	0.010
n-Nitroso-di-n-propylamine	0.021
1,2,4-Trichlorobenzne	0.013
4-Chloro-3-methylphenol	0.047
2-Methylnaphthalene	0.001
2,6-dimethyl-naphthalene	0.001
2,3-dimethyl-naphthalene	0.002
3-nitro-phenol	0.004
1-methyl-2,4-dinitro-benzene	0.010
2-methyl-anthracene	0.002
1H-Phenalen-1-one	0.006
9-Phenanthrenol	0.002
1-iodo-dodecane	0.002
Pyrene	0.025

EQL = estimated quantitation level

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

4-13-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

110

Project Manager: JESSE TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 MIDLAND TX 79704

Project #:
Project Name: TNM 97-23

Project Location: Lea County NM
Sampler Signature: Jamon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME
24179	GP 71	2	40z		X						X			3-20	1045
24180	GP 78	↓	↓		↓						↓			↓	1030
24181	GP 79	↓	↓		↓						↓			↓	1100
24182	PIPELINE	2	V					X			X			↓	1055

ANALYSIS REQUEST

BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	GC MASS SPEC Vol + Semi-Vol	8015 DRO/GRO
								X	X
								X	X
								X	(X)
								X	

Relinquished by:	Date:	Times:	Received by:
Jamon Casas	3-20-00	1500	J McMurrey
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS

RUN GP MASS SPEC ON HOTTEST 8015 RESULTS.

CALL Ken Dutton IF ANY QUESTIONS
887-0677

FILE

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: KEN DUTTON
2540 W. MARLAND
HOBBS, NM 88240
FAX. 505-397-4701

Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.5 deg C
Project Name: TNM 97-23
Project #: EOT 2010C
Project Location: Eunice, NM

Sampling Date: 01/07/02
Receiving Date: 01/07/02
Analysis Date: 01/07/02

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0202345-01	Sample 1	<0.025	0.032	<0.025	<0.025	<0.025
QUALITY CONTROL		0.102	0.099	0.095	0.206	0.099
TRUE VALUE		0.100	0.100	0.100	0.200	0.100
% IA		102	99	95	112	111
SPIKED AMOUNT		0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE		<0.025	0.041	<0.025	0.044	<0.025
SPIKE		0.108	0.112	0.107	0.229	0.111
SPIKE DUP		0.104	0.106	0.103	0.222	0.107
%EA		104	104	103	110	107
BLANK		<0.025	<0.025	<0.025	<0.025	<0.025
RPD		3.77	5.50	3.81	3.10	3.67

METHODS: EPA SW 846-8021B ,5030

Celey D. Keene
Raland K. Tuttle

1-09-02
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: KEN DUTTON
2540 W. MARLAND
HOBBS, NM 88240
FAX: 505-397-4701

Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.5 deg C
Project Name: TNM 97-23
Project #: EOT 2010C
Project Location: Eunice, NM

Sampling Date: 01/07/02
Receiving Date: 01/07/02
Analysis Date: 01/07/02

ELT #	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0202345-02	Sample 2	<0.025	0.053	0.035	0.390	0.080
0202345-03	Sample 3	0.046	0.185	0.343	2.10	0.286
0202345-04	Sample 4	<0.025	0.072	0.199	1.20	0.366
	QUALITY CONTROL	0.110	0.109	0.103	0.223	0.106
	TRUE VALUE	0.100	0.100	0.100	0.200	0.100
	% IA	110	109	103	112	106
	SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
	ORIGINAL SAMPLE	<0.025	0.031	<0.025	<0.025	<0.025
	SPIKE	0.113	0.116	0.112	0.244	0.115
	SPIKE DUP	0.109	0.112	0.109	0.238	0.112
	%EA	109	110	108	111	109
	BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
	RPD	3.60	3.51	2.71	2.49	2.64

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

Corey D. Keene
Raland K. Tuttle

1-09-02
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: KEN DUTTON
2540 W. MARLAND
HOBBS, NM 88240
FAX: 505-397-4701

Sample Type: Soil
Sample Condition: Intact/ Iced/ 1.5 deg C
Project Name: TNM 97-23
Project #: EOT 2010C
Project Location: Eunice, NM

Sampling Date: 01/07/02
Receiving Date: 01/07/02
Analysis Date: 01/07/02

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0202345-01	Sample 1	<10	254
0202345-02	Sample 2	78	3980
0202345-03	Sample 3	314	3980
0202345-04	Sample 4	405	4950

QUALITY CONTROL	545	530
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	109	106
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	52
SPIKE	582	533
SPIKE DUP	544	530
% EXTRACTION ACCURACY	114	100
BLANK	<10	<10
RPD	6.75	0.56

Methods: SW 846-8015M

Corey D. Keene
Raland K. Tuttle

1-09-02
Date

Coc # 002

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Ken Dutton
Company Name: ETGI
Company Address: 2540 W. Marland
City/State/Zip: Hobbs, NM 88240
Telephone No: (505)397-4882 Fax No: (505)397-4701
Sampler Signature: Camille Reynolds

Project Name: TNM 97-23
Project #: EOT 2010C
Project Loc: Eunice, NM
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP / TOTAL: TOX / TCL / SAR / EC	TPH 418.1	TPH 1X 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 602 / 8020	RUSH TAT (Pre-Schedule)	Standard TAT
0202345-01	Sample 1	1-7	1050	1	X									X					X				X		X
02	Sample 2		1058																						
03	Sample 3		1105																						
04	Sample 4		1111																						

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 1.5°C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Camille Reynolds	1-7-02	1315			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Jana McMurrey	1-7-02	1315

COPY

ANALYTICAL REPORT

Prepared for:

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Project:	TNM 97-23
PO#:	EO2010
Order#:	G0205070
Report Date:	11/25/2002

Certificates
US EPA Laboratory Code TX00158

FILE

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242
505-394-4701

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0205070-01	Stockpile 4 comp	SOIL	11/14/02 10:38	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-02	Exc. 8 Comp 4-5'	SOIL	11/14/02 10:00	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-03	Stockpile 17 comp	SOIL	11/14/02 13:50	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-04	Stockpile 8 comp	SOIL	11/14/02 11:10	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-05	Stockpile 18 comp	SOIL	11/14/02 13:57	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-06	Stockpile 13 Comp	SOIL	11/14/02 13:20	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-07	Stockpile 14 Comp	SOIL	11/14/02 13:27	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0C		

FILE

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242
505-394-4701

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
	8015M 8021B/5030 BTEX					
0205070-08	Stockpile 7 Comp	SOIL	11/14/02 10:55	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0C		
	8015M 8021B/5030 BTEX					
0205070-09	Exc. 6 Comp 6-6.5'	SOIL	11/14/02 9:25	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0C		
	8015M 8021B/5030 BTEX					
0205070-10	Stockpile 16 Comp	SOIL	11/14/02 13:40	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0C		
	8015M 8021B/5030 BTEX					
0205070-11	Exc. 2 Comp 6-6.5'	SOIL	11/14/02 8:45	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0C		
	8015M 8021B/5030 BTEX					
0205070-12	Stockpile 10 comp	SOIL	11/14/02 11:22	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0C		
	8015M 8021B/5030 BTEX					
0205070-13	Exc 1 Comp 6-6.5'	SOIL	11/14/02 8:32	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0C		
	8015M 8021B/5030 BTEX					

FILE

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242
505-394-4701

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0205070-14	Exc 4 Comp 6-6.5'	SOIL	11/14/02 9:05	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0C		
	8015M					
	8021B/5030 BTEX					
0205070-15	Stockpile 11 Comp	SOIL	11/14/02 11:28	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0C		
	8015M					
	8021B/5030 BTEX					
0205070-16	Stockpile 15 Comp	SOIL	11/14/02 13:34	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0C		
	8015M					
	8021B/5030 BTEX					
0205070-17	Exc. 3 Comp 6-6.5'	SOIL	11/14/02 8:55	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0C		
	8015M					
	8021B/5030 BTEX					
0205070-18	Stockpile 3 Comp	SOIL	11/14/02 10:30	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0C		
	8015M					
	8021B/5030 BTEX					
0205070-19	Stockpile 1 Comp	SOIL	11/14/02 10:20	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0C		
	8015M					
	8021B/5030 BTEX					
0205070-20	Stockpile 9 Comp	SOIL	11/14/02 11:16	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0C		

FILE

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242
505-394-4701

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
	8015M 8021B/5030 BTEX					
0205070-21	Exc. 7 Comp	SOIL	11/14/02 9:50	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-22	Stockpile 6 Comp	SOIL	11/14/02 10:49	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-23	Stockpile 5 Comp	SOIL	11/14/02 10:44	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-24	Release pt. Comp 10-12'	SOIL	11/14/02 9:40	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-25	Exc. 5 Comp 6-6.5'	SOIL	11/14/02 9:15	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		
0205070-26	Stockpile 19 Comp	SOIL	11/14/02 14:07	11/19/02 17:15	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	Rejected: No		Temp: 2.0C		

FILE

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242
505-394-4701

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0205070-27	Stockpile 12 Comp	SOIL	11/14/02 11:33	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0C		
	8015M					
	8021B/5030 BTEX					
0205070-28	Stockpile 2 Comp	SOIL	11/14/02 10:25	11/19/02 17:15	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0C		
	8015M					
	8021B/5030 BTEX					

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-01
Sample ID: Stockpile 4 comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	38.0	10.0
DRO, >C12-C35	1,820	10.0
TOTAL, C6-C35	1,858	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	101%	70	130
1-Chlorooctadecane	100%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 0:07	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	0.042	0.025
Ethylbenzene	0.086	0.025
Toluene	0.178	0.025
p/m-Xylene	0.616	0.025
o-Xylene	0.059	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	110%	80	120
Bromofluorobenzene	102%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-02
Sample ID: Exc. 8 Comp 4-5'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	413	10.0
TOTAL, C6-C35	413	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	109%	70	130
1-Chlorooctadecane	108%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 0:29	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	0.026	0.025
p/m-Xylene	0.078	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	94%	80	120
Bromofluorobenzene	100%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-03
Sample ID: Stockpile 17 comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	204	10.0
TOTAL, C6-C35	204	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	121%	70	130
1-Chlorooctadecane	121%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 0:50	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	95%	80	120
Bromofluorobenzene	103%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-04
Sample ID: Stockpile 8 comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	34.6	10.0
DRO, >C12-C35	1,130	10.0
TOTAL, C6-C35	1,165	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	103%	70	130
1-Chlorooctadecane	104%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 1:11	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	102%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EG-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-05
Sample ID: Stockpile 18 comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	553	10.0
DRO, >C12-C35	4,920	10.0
TOTAL, C6-C35	5,473	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	117%	70	130
1-Chlorooctadecane	144%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 1:32	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	0.104	0.025
Toluene	0.094	0.025
p/m-Xylene	0.907	0.025
o-Xylene	0.604	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	83%	80	120
Bromofluorobenzene	109%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-06
Sample ID: Stockpile 13 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	56.2	10.0
DRO, >C12-C35	3,600	10.0
TOTAL, C6-C35	3,656	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	108%	70	130
1-Chlorooctadecane	110%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 1:53	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	89%	80	120
Bromofluorobenzene	96%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison		Order#:	G0205070
Environmental Technology Group, Inc.		Project:	EO-2010
2540 West Mariand		Project Name:	TNM 97-23
Hobbs, NM 88242		Location:	Eunice, NM

Lab ID: 0205070-07
Sample ID: Stockpile 14 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	12.8	10.0
DRO, >C12-C35	658	10.0
TOTAL, C6-C35	671	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	106%	70	130
1-Chlorooctadecane	105%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 2:14	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	101%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-08
Sample ID: Stockpile 7 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	17.0	10.0
DRO, >C12-C35	744	10.0
TOTAL, C6-C35	761	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	105%	70	130
1-Chlorooctadecane	107%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 2:35	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	86%	80	120
Bromofluorobenzene	97%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-09
Sample ID: Exc. 6 Comp 6-6.5'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	709	10.0
TOTAL, C6-C35	709	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	106%	70	130
1-Chlorooctadecane	107%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 2:56	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	87%	80	120
Bromofluorobenzene	94%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2016
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-10
Sample ID: Stockpile 16 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	406	10.0
TOTAL, C6-C35	406	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	117%	70	130
1-Chlorooctadecane	115%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 3:17	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	99%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2016
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-11
Sample ID: Exc. 2 Comp 6-6.5'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	156	10.0
TOTAL, C6-C35	156	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	99%	70	130
1-Chlorooctadecane	95%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 4:00	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	81%	80	120
Bromofluorobenzene	91%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EQ-2010
Project Name: TNM 97-25
Location: Eunice, NM

Lab ID: 0205070-12
Sample ID: Stockpile 10 comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	213	10.0
DRO, >C12-C35	4,660	10.0
TOTAL, C6-C35	4,873	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	112%	70	130
1-Chlorooctadecane	125%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 8:19	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	0.034	0.025
Toluene	<0.025	0.025
p/m-Xylene	0.100	0.025
o-Xylene	0.051	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	100%	80	120
Bromofluorobenzene	104%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Mariand
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-13
Sample ID: Exc. 1 Comp 6-6.5'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	142	10.0
TOTAL, C6-C35	142	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	95%	70	130
1-Chlorooctadecane	92%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 8:40	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	96%	80	120
Bromofluorobenzene	100%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-14
Sample ID: Exc 4 Comp 6-6.5'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	34.6	10.0
DRO, >C12-C35	1,140	10.0
TOTAL, C6-C35	1,175	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	96%	70	130
1-Chlorooctadecane	94%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 9:01	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	86%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Mariand
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-15
Sample ID: Stockpile 11 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	55.4	10.0
DRO, >C12-C35	1,820	10.0
TOTAL, C6-C35	1,875	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	123%	70	130
1-Chlorooctadecane	118%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 9:22	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	0.039	0.025
Toluene	0.062	0.025
p/m-Xylene	0.147	0.025
o-Xylene	0.035	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	89%	80	120
Bromofluorobenzene	98%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-16
Sample ID: Stockpile 15 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/21/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	31.2	10.0
DRO, >C12-C35	1,780	10.0
TOTAL, C6-C35	1,811	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	103%	70	130
1-Chlorooctadecane	100%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 9:43	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	88%	80	120
Bromofluorobenzene	95%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EG-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-17
Sample ID: Exc. 3 Comp 6-6.5'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	226	10.0
TOTAL, C6-C35	226	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	115%	70	130
1-Chlorooctadecane	115%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 10:04	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	99%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-18
Sample ID: Stockpile 3 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	49.9	10.0
DRO, >C12-C35	2,340	10.0
TOTAL, C6-C35	2,390	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	106%	70	130
1-Chlorooctadecane	109%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 10:26	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	98%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-19
Sample ID: Stockpile 1 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	15.8	10.0
DRO, >C12-C35	1,660	10.0
TOTAL, C6-C35	1,676	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	114%	70	130
1-Chlorooctadecane	111%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 10:47	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	0.054	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	84%	80	120
Bromofluorobenzene	96%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-20
Sample ID: Stockpile 9 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	435	10.0
DRO, >C12-C35	5,910	10.0
TOTAL, C6-C35	6,345	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	120%	70	130
1-Chlorooctadecane	151%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003845-02		11/22/02 11:08	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	0.223	0.025
Toluene	0.114	0.025
p/m-Xylene	1.64	0.025
o-Xylene	0.687	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	84%	80	120
Bromofluorobenzene	100%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-21
Sample ID: Exc. 7 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	44.4	10.0
DRO, >C12-C35	2,730	10.0
TOTAL, C6-C35	2,770	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	107%	70	130
1-Chlorooctadecane	112%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003858-02		11/22/02 13:57	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	83%	80	120
Bromofluorobenzene	85%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-22
Sample ID: Stockpile 6 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	21.0	10.0
DRO, >C12-C35	1,120	10.0
TOTAL, C6-C35	1,141	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	116%	70	130
1-Chlorooctadecane	116%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003858-02		11/22/02 14:18	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	88%	80	120
Bromofluorobenzene	97%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-23
Sample ID: Stockpile 5 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	24.1	10.0
DRO, >C12-C35	936	10.0
TOTAL, C6-C35	960	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	100%	70	130
1-Chlorooctadecane	100%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003858-02		11/22/02 14:39	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	86%	80	120
Bromofluorobenzene	95%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-24
Sample ID: Release pt. Comp 10-12'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	114	10.0
DRO, >C12-C35	2,660	10.0
TOTAL, C6-C35	2,774	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	121%	70	130
1-Chlorooctadecane	133%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003858-02		11/22/02 15:20	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	0.039	0.025
Toluene	0.029	0.025
p/m-Xylene	0.107	0.025
o-Xylene	0.048	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	85%	80	120
Bromofluorobenzene	92%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-25
Sample ID: Exc. 5 Comp 6-6.5'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	118	10.0
DRO, >C12-C35	2,540	10.0
TOTAL, C6-C35	2,658	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	112%	70	130
1-Chlorooctadecane	116%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003858-02		11/22/02 15:41	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	0.025	0.025
Toluene	0.025	0.025
p/m-Xylene	0.103	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	84%	80	120
Bromofluorobenzene	88%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-26
Sample ID: Stockpile 19 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	37.9	10.0
DRO, >C12-C35	1,480	10.0
TOTAL, C6-C35	1,518	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	104%	70	130
1-Chlorooctadecane	105%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003858-02		11/22/02 16:02	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	83%	80	120
Bromofluorobenzene	94%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-27
Sample ID: Stockpile 12 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	10.5	10.0
DRO, >C12-C35	482	10.0
TOTAL, C6-C35	492	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	98%	70	130
1-Chlorooctadecane	96%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003858-02		11/22/02 16:23	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	80%	80	120
Bromofluorobenzene	92%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Edison
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070
Project: EO-2010
Project Name: TNM 97-23
Location: Eunice, NM

Lab ID: 0205070-28
Sample ID: Stockpile 2 Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/22/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	29.3	10.0
DRO, >C12-C35	1,300	10.0
TOTAL, C6-C35	1,329	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	103%	70	130
1-Chlorooctadecane	103%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003858-02		11/22/02 16:44	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	89%	80	120
Bromofluorobenzene	84%	80	120

Approval: Raland K Tuttle 11-25-02
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

FILE

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0205070

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0003846-02			<10.0		
TOTAL, C6-C35-mg/kg	0003847-02			<10.0		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0205070-08	761	952	1680	96.5%	
TOTAL, C6-C35-mg/kg	0205070-28	1329	952	2230	94.5%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0205070-08	761	952	1830	112.3%	8.5%
TOTAL, C6-C35-mg/kg	0205070-28	1329	952	2120	83.%	5.1%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0003846-05		1000	1100	110.%	
TOTAL, C6-C35-mg/kg	0003847-05		1000	1070	107.%	

FILE

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0205070

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0003845-02			<0.025		
Benzene-mg/kg	0003858-02			<0.025		
Ethylbenzene-mg/kg	0003845-02			<0.025		
Ethylbenzene-mg/kg	0003858-02			<0.025		
Toluene-mg/kg	0003845-02			<0.025		
Toluene-mg/kg	0003858-02			<0.025		
p/m-Xylene-mg/kg	0003845-02			<0.025		
p/m-Xylene-mg/kg	0003858-02			<0.025		
o-Xylene-mg/kg	0003845-02			<0.025		
o-Xylene-mg/kg	0003858-02			<0.025		

MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0205070-18	0	0.1	0.093	93.%	
Benzene-mg/kg	0205075-07	0	0.1	0.089	89.%	
Ethylbenzene-mg/kg	0205070-18	0	0.1	0.098	98.%	
Ethylbenzene-mg/kg	0205075-07	0	0.1	0.096	96.%	
Toluene-mg/kg	0205070-18	0	0.1	0.095	95.%	
Toluene-mg/kg	0205075-07	0	0.1	0.090	90.%	
p/m-Xylene-mg/kg	0205070-18	0	0.2	0.209	104.5%	
p/m-Xylene-mg/kg	0205075-07	0	0.2	0.203	101.5%	
o-Xylene-mg/kg	0205070-18	0	0.1	0.099	99.%	
o-Xylene-mg/kg	0205075-07	0	0.1	0.096	96.%	

MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0205070-18	0	0.1	0.090	90.%	3.3%
Benzene-mg/kg	0205075-07	0	0.1	0.089	89.%	0.%
Ethylbenzene-mg/kg	0205070-18	0	0.1	0.094	94.%	4.2%
Ethylbenzene-mg/kg	0205075-07	0	0.1	0.096	96.%	0.%
Toluene-mg/kg	0205070-18	0	0.1	0.092	92.%	3.2%
Toluene-mg/kg	0205075-07	0	0.1	0.091	91.%	1.1%
p/m-Xylene-mg/kg	0205070-18	0	0.2	0.200	100.%	4.4%
p/m-Xylene-mg/kg	0205075-07	0	0.2	0.203	101.5%	0.%
o-Xylene-mg/kg	0205070-18	0	0.1	0.094	94.%	5.2%
o-Xylene-mg/kg	0205075-07	0	0.1	0.096	96.%	0.%

SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0003845-05		0.1	0.097	97.%	
Benzene-mg/kg	0003858-05		0.1	0.093	93.%	
Ethylbenzene-mg/kg	0003845-05		0.1	0.102	102.%	
Ethylbenzene-mg/kg	0003858-05		0.1	0.104	104.%	
Toluene-mg/kg	0003845-05		0.1	0.100	100.%	

FILE

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0205070

SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Toluene-mg/kg	0003858-05		0.1	0.099	99.%	
p/m-Xylene-mg/kg	0003845-05		0.2	0.216	108.%	
p/m-Xylene-mg/kg	0003858-05		0.2	0.226	113.%	
o-Xylene-mg/kg	0003845-05		0.1	0.103	103.%	
o-Xylene-mg/kg	0003858-05		0.1	0.106	106.%	

FILE

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070

Project: TNM 97-23

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
Stockpile 4 comp	0205070-01	SOIL	11/14/2002	11/19/2002
Exc. 8 Comp 4-5'	0205070-02	SOIL	11/14/2002	11/19/2002
Stockpile 17 comp	0205070-03	SOIL	11/14/2002	11/19/2002
Stockpile 8 comp	0205070-04	SOIL	11/14/2002	11/19/2002
Stockpile 18 comp	0205070-05	SOIL	11/14/2002	11/19/2002
Stockpile 13 Comp	0205070-06	SOIL	11/14/2002	11/19/2002
Stockpile 14 Comp	0205070-07	SOIL	11/14/2002	11/19/2002
Stockpile 7 Comp	0205070-08	SOIL	11/14/2002	11/19/2002
Exc. 6 Comp 6-6.5'	0205070-09	SOIL	11/14/2002	11/19/2002
Stockpile 16 Comp	0205070-10	SOIL	11/14/2002	11/19/2002
Exc. 2 Comp 6-6.5'	0205070-11	SOIL	11/14/2002	11/19/2002
Stockpile 10 comp	0205070-12	SOIL	11/14/2002	11/19/2002
Exc. 1 Comp 6-6.5'	0205070-13	SOIL	11/14/2002	11/19/2002
Exc 4 Comp 6-6.5'	0205070-14	SOIL	11/14/2002	11/19/2002
Stockpile 11 Comp	0205070-15	SOIL	11/14/2002	11/19/2002
Stockpile 15 Comp	0205070-16	SOIL	11/14/2002	11/19/2002
Exc. 3 Comp 6-6.5'	0205070-17	SOIL	11/14/2002	11/19/2002
Stockpile 3 Comp	0205070-18	SOIL	11/14/2002	11/19/2002
Stockpile 1 Comp	0205070-19	SOIL	11/14/2002	11/19/2002
Stockpile 9 Comp	0205070-20	SOIL	11/14/2002	11/19/2002
Exc. 7 Comp	0205070-21	SOIL	11/14/2002	11/19/2002
Stockpile 6 Comp	0205070-22	SOIL	11/14/2002	11/19/2002
Stockpile 5 Comp	0205070-23	SOIL	11/14/2002	11/19/2002
Release pt. Comp 10-	0205070-24	SOIL	11/14/2002	11/19/2002
Exc. 5 Comp 6-6.5'	0205070-25	SOIL	11/14/2002	11/19/2002
Stockpile 19 Comp	0205070-26	SOIL	11/14/2002	11/19/2002
Stockpile 12 Comp	0205070-27	SOIL	11/14/2002	11/19/2002
Stockpile 2 Comp	0205070-28	SOIL	11/14/2002	11/19/2002

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205070

Project: TNM 97-23

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

Surrogate recoveries on the 8015M TPH are outside control limits due to matrix interference from coeluting compounds. (0205070-05, 20, 24)

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this

FILE

Environmental Lab of Texas, Inc.

COC: 195 Pg 1 of 3

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I 20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Robert Ediger
Company Name: E.T.G.I.
Company Address: 2510 W. Marland
City/State/Zip: Hobbs, N.M. 88240
Telephone No: 505-397-4882
Fax No: 505-397-4701
Sampler Signature: Eb Taylor & Danny Stern

Project Name: TNM 97-23
Project #: EO-2010
Project Loc: Eunice, N.M.
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP TDS/CL/SAR/EC	TOTAL TDS/CL/SAR/EC	TPH 418.1	TPH Tx 1005/1006	TPH 8015M GRO/DRO	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030						RUSH TAT (Pre-Schedule)	Standard TAT
0005-10-01	Stockpile 4 composite	11/14/02	1038	1	X									X						X				X							X
02	Exc. 8 comp. 4-5'	11/14/02	1000	1																											
03	Stockpile 17 comp.	11-14-02	1350	1																											
04	Stockpile 8 comp	11-14-02	1110	1																											
05	Stockpile 18 comp	11-14-02	1359	1																											
06	Stockpile 13 comp.	11-14-02	1320	1																											
07	Stockpile 14 comp.	11-14-02	1327	1																											
08	Stockpile 7 comp	11-14-02	1055	1																											
09	Exc. 6 comp 6-6.5'	11-14-02	0925	1																											
10	Stockpile 16 comp	11-14-02	1340	1	↓									↓						↓				↓							↓

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
Rec 2°C

Relinquished by	Date	Time	Received by:	Date	Time
Manuel Campos	11/14/02	1315		11/14/02	1442
Relinquished by	Date	Time	Received by ELOT:	Date	Time
	11/14/02	1715	R.L. [illegible]	11-14-02	1715

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

COC: 195 Pg 2 of 3

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Robert Edison
Company Name: E.T.G.I.
Company Address: 2540 W. Marland
City/State/Zip: Hobbs, N.M. 88240
Telephone No: 505-397-4882 Fax No: 505-397-4701
Sampler Signature: E6 Taylor & Danny Stevens

Project Name: TNM 97-23
Project #: EO-2010
Project Loc: Eunice, NM
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP: TOX / TCL: 8260 / TEC	TPH 418.1	TPH TX 1005/1005	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
	Exc. 2 comp. 6-6.5'	11-14-02	0845	1	X									X					X				X		X
	Stockpile 10 comp.	11-14-02	1122	1																					
	Exc. 1 comp. 6-6.5'	11-14-02	0832	1																					
	Exc. 4 comp. 6-6.5'	11-14-02	0905	1																					
	Stockpile 11 comp.	11-14-02	1128	1																					
	Stockpile 15 comp.	11-14-02	1334	1																					
	Exc. 3 comp. 6-6.5'	11-14-02	0855	1																					
	Stockpile 3 comp.	11-14-02	1030	1																					
	Stockpile 1 comp	11-14-02	1020	1																					
	Stockpile 9 comp.	11-14-02	1116	1																					

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: Ice 2°C

Relinquished by:	Date	Time	Received by:	Date	Time
Marcelo Campos	11/19/02	1315		11/19/02	1442
			Received by ELOT:	Date	Time
	11/19/02	1715		11/19/02	1715

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

COC: 195 pg 3 of 3

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Robert Edeson
Company Name: E.T.G.I.
Company Address: 2540 W. Marland
City/State/Zip: Hobbs, N.M. 88248
Telephone No: 505-397-4882 Fax No: 505-397-4701
Sampler Signature: Eb Taylor & Danny Stevens

Project Name: TNM 97-23
Project #: EO-2010
Project Loc: Eunice N.M.
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	MeOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP: TDS/TCLP/SAR/EC	TOTAL: TDS/TCLP/SAR/EC	TPH TX 1005/1005	TPH 8015M GRO/DRO	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
	Exc. 7 comp. 4-5'	11-14-02	0950	1	X									X					X				X		X
	Stockpile 6 comp.	11-14-02	1049	1																					
	Stockpile 5 comp.	11-14-02	1044	1																					
	Release pt. comp 10-12'	11-14-02	0940	1																					
	Exc 5 comp 6-6.5'	11-14-02	0915	1																					
	Stockpile 19 comp.	11-14-02	1407	1																					
	Stockpile 12 comp.	11-14-02	1133	1																					
	Stockpile 2 comp.	11-14-02	1025	1																					

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: Rec 2°C

Relinquished by:	Date	Time	Received by:	Date	Time
Marcelo Campos	11/19/02	1315		11/19/02	1442
	11/19/02	1715	Received by ELOT	11-19-02	1715

FILE

ANALYTICAL REPORT

Prepared for:

Robert Eidson
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Project:	Kennan
PO#:	EO 2010
Order#:	G0205234
Report Date:	12/19/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

bert Eidson
vironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

COPY

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-01
Sample ID: WW 1

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**65.5**	10.0
DRO, >C12-C35	**870**	10.0
TOTAL, C6-C35	**936**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**84%**	**70**	**130**
1-Chlorooctadecane	**99%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/15/02 2:59	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**106%**	**80**	**120**
Bromofluorobenzene	**113%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

obert Eidson
nvironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#:	G0205234
Project:	TNM 97-23
Project Name:	Kennan
Location:	Eunice, NM

Lab ID: 0205234-02
Sample ID: NW 1

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**36.7**	10.0
DRO, >C12-C35	**849**	10.0
TOTAL, C6-C35	**886**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**84%**	**70**	**130**
1-Chlorooctadecane	**99%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/15/02 3:41	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**105%**	**80**	**120**
Bromofluorobenzene	**115%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

obert Eidson
nvironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#:	G0205234
Project:	TNM 97-23
Project Name:	Kennan
Location:	Eunice, NM

Lab ID: 0205234-03
Sample ID: SW 1

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**81%**	**70**	**130**
1-Chlorooctadecane	**85%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/15/02 4:02	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**111%**	**80**	**120**
Bromofluorobenzene	**116%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

obert Eidson
nvironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-04
Sample ID: NW 2

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**83%**	**70**	**130**
1-Chlorooctadecane	**85%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/14/02 23:29	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**105%**	**80**	**120**
Bromofluorobenzene	**102%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Eidson
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#:	G0205234
Project:	TNM 97-23
Project Name:	Kennan
Location:	Eunice, NM

Lab ID: 0205234-05
Sample ID: SW 2

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**10.3**	10.0
DRO, >C12-C35	**787**	10.0
TOTAL, C6-C35	**797**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**87%**	**70**	**130**
1-Chlorooctadecane	**101%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/15/02 9:37	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**82%**	**80**	**120**
Bromofluorobenzene	**108%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

obert Eidson
vironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#:	G0205234
Project:	TNM 97-23
Project Name:	Kennan
Location:	Eunice, NM

Lab ID: 0205234-06
Sample ID: NW 3

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**90%**	**70**	**130**
1-Chlorooctadecane	**94%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/15/02 9:58	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**119%**	**80**	**120**
Bromofluorobenzene	**114%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

obert Eidson
nvironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-07
Sample ID: SW 3

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**38.3**	10.0
DRO, >C12-C35	**722**	10.0
TOTAL, C6-C35	**760**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**88%**	**70**	**130**
1-Chlorooctadecane	**102%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/17/02 3:28	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**0.043**	0.025
Ethylbenzene	**0.052**	0.025
p/m-Xylene	**0.145**	0.025
o-Xylene	**0.054**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**97%**	**80**	**120**
Bromofluorobenzene	**105%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Eidson
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-08
Sample ID: NW 4

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**21.5**	10.0
DRO, >C12-C35	**346**	10.0
TOTAL, C6-C35	**368**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**86%**	**70**	**130**
1-Chlorooctadecane	**93%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/17/02 8:42	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**108%**	**80**	**120**
Bromofluorobenzene	**109%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

obert Eidson
vironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-09
Sample ID: SW 4

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**290**	50.0
DRO, >C12-C35	**4700**	50.0
TOTAL, C6-C35	**4990**	50.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**17%**	**70**	**130**
1-Chlorooctadecane	**30%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/17/02 9:03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**0.034**	0.025
p/m-Xylene	**0.138**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**97%**	**80**	**120**
Bromofluorobenzene	**106%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Eidson
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-10
Sample ID: NW 5

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**39.9**	10.0
DRO, >C12-C35	**2,770**	10.0
TOTAL, C6-C35	**2,810**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**86%**	**70**	**130**
1-Chlorooctadecane	**100%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/15/02 11:23	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**80%**	**80**	**120**
Bromofluorobenzene	**111%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Eidson
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-11
Sample ID: SW 5

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**358**	10.0
TOTAL, C6-C35	**358**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**90%**	**70**	**130**
1-Chlorooctadecane	**96%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004084-02		12/17/02 9:25	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**106%**	**80**	**120**
Bromofluorobenzene	**105%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

bert Eidson
vironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-12
Sample ID: NW 6

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**91%**	**70**	**130**
1-Chlorooctadecane	**97%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004117-02		12/18/02 1:01	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**114%**	**80**	**120**
Bromofluorobenzene	**109%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

[redacted]obert Eidson
[redacted]vironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-13
Sample ID: SW 6

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**213**	10.0
DRO, >C12-C35	**2,590**	10.0
TOTAL, C6-C35	**2,803**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**92%**	**70**	**130**
1-Chlorooctadecane	**92%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004117-02		12/18/02 1:45	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**0.044**	0.025
p/m-Xylene	**0.064**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**110%**	**80**	**120**
Bromofluorobenzene	**109%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Eidson
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-14
Sample ID: SW 7

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**89%**	**70**	**130**
1-Chlorooctadecane	**92%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004117-02		12/18/02 10:22	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**121%**	**80**	**120**
Bromofluorobenzene	**113%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Eidson
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#:	G0205234
Project:	TNM 97-23
Project Name:	Kennan
Location:	Eunice, NM

Lab ID: 0205234-15
Sample ID: EW 7

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	99%	70	130
1-Chlorooctadecane	107%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004117-02		12/18/02 2:51	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	115%	80	120
Bromofluorobenzene	109%	80	120

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

obert Eidson
nvironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-16
Sample ID: WW 7

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**196**	10.0
TOTAL, C6-C35	**196**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**89%**	**70**	**130**
1-Chlorooctadecane	**97%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004117-02		12/18/02 8:34	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**120%**	**80**	**120**
Bromofluorobenzene	**108%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Eidson
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-17
Sample ID: EW 8

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**90%**	**70**	**130**
1-Chlorooctadecane	**95%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004117-02		12/18/02 8:56	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**113%**	**80**	**120**
Bromofluorobenzene	**104%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Robert Eidson
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#:	G0205234
Project:	TNM 97-23
Project Name:	Kennan
Location:	Eunice, NM

Lab ID: 0205234-18
Sample ID: WW 8

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**90%**	**70**	**130**
1-Chlorooctadecane	**96%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004117-02		12/18/02 9:17	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**115%**	**80**	**120**
Bromofluorobenzene	**107%**	**80**	**120**

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

obert Eidson
nvironmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: G0205234
Project: TNM 97-23
Project Name: Kennan
Location: Eunice, NM

Lab ID: 0205234-19
Sample ID: NW 8

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**36.1**	10.0
TOTAL, C6-C35	**36.1**	10.0

Surrogates	% Recovered	QC Limits	
1-Chlorooctane	**86%**	**70**	**130**
1-Chlorooctadecane	**92%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004117-02		12/18/02 9:47	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits	
aaa-Toluene	**110%**	**80**	**120**
Bromofluorobenzene	**104%**	**80**	**120**

Approval:
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted N/A = Not RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0205234

BLANK	SOIL	LAB-ID #	Concentr.	Sample	Concentr	Spike	QC Test	Result
Recovery	**Pct (%)**	**RPD**						
	SOIL							
TOTAL, C6-C35-mg/kg		0004058-02			<10.0			
MS	SOIL	LAB-ID #	Concentr.	Sample	Concentr	Spike	QC Test	Result
Recovery	**Pct (%)**	**RPD**						
	SOIL							
TOTAL, C6-C35-mg/kg		0205234-17	0	952	937	98.4%		
MSD	SOIL	LAB-ID #	Concentr.	Sample	Concentr	Spike	QC Test	Result
Recovery	**Pct (%)**	**RPD**						
	SOIL							
TOTAL, C6-C35-mg/kg		0205234-17	0	952	977	102.6%	4.2%	
SRM	SOIL	LAB-ID #	Concentr.	Sample	Concentr	Spike	QC Test	Result
Recovery	**Pct (%)**	**RPD**						
	SOIL							
TOTAL, C6-C35-mg/kg		0004058-05		1000	1040	104.%		

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0205234

BLANK Recovery	SOIL Pct (%) SOIL	LAB-ID # RPD	Concentr.	Sample	Concentr	Spike	QC Test	Result
Benzene-mg/kg		0004084-02			<0.025			
Benzene-mg/kg		0004117-02			<0.025			
Toluene-mg/kg		0004084-02			<0.025			
Toluene-mg/kg		0004117-02			<0.025			
Ethylbenzene-mg/kg		0004084-02			<0.025			
Ethylbenzene-mg/kg		0004117-02			<0.025			
p/m-Xylene-mg/kg		0004084-02			<0.025			
p/m-Xylene-mg/kg		0004117-02			<0.025			
o-Xylene-mg/kg		0004084-02			<0.025			
o-Xylene-mg/kg		0004117-02			<0.025			

MS Recovery	SOIL Pct (%) SOIL	LAB-ID # RPD	Concentr.	Sample	Concentr	Spike	QC Test	Result
Benzene-mg/kg		0205234-03	0	0.1	0.108	108.%		
Benzene-mg/kg		0205251-02	0	0.1	0.105	105.%		
Toluene-mg/kg		0205234-03	0	0.1	0.109	109.%		
Toluene-mg/kg		0205251-02	0	0.1	0.111	111.%		
Ethylbenzene-mg/kg		0205234-03	0	0.1	0.106	106.%		
Ethylbenzene-mg/kg		0205251-02	0	0.1	0.108	108.%		
[illegible]ylene-mg/kg		0205234-03	0	0.2	0.222	111.%		
p/m-Xylene-mg/kg		0205251-02	0	0.2	0.228	114.%		
o-Xylene-mg/kg		0205234-03	0	0.1	0.110	110.%		
o-Xylene-mg/kg		0205251-02	0	0.1	0.111	111.%		

MSD Recovery	SOIL Pct (%) SOIL	LAB-ID # RPD	Concentr.	Sample	Concentr	Spike	QC Test	Result
Benzene-mg/kg		0205234-03	0	0.1	0.106	106.%	1.9%	
Benzene-mg/kg		0205251-02	0	0.1	0.109	109.%	3.7%	
Toluene-mg/kg		0205234-03	0	0.1	0.108	108.%	0.9%	
Toluene-mg/kg		0205251-02	0	0.1	0.114	114.%	2.7%	
Ethylbenzene-mg/kg		0205234-03	0	0.1	0.105	105.%	0.9%	
Ethylbenzene-mg/kg		0205251-02	0	0.1	0.112	112.%	3.6%	
p/m-Xylene-mg/kg		0205234-03	0	0.2	0.222	111.%	0.%	
p/m-Xylene-mg/kg		0205251-02	0	0.2	0.233	116.5%	2.2%	
o-Xylene-mg/kg		0205234-03	0	0.1	0.108	108.%	1.8%	
o-Xylene-mg/kg		0205251-02	0	0.1	0.113	113.%	1.8%	

SRM Recovery	SOIL Pct (%) SOIL	LAB-ID # RPD	Concentr.	Sample	Concentr	Spike	QC Test	Result
Benzene-mg/kg		0004084-05		0.1	0.104	104.%		
Benzene-mg/kg		0004117-05		0.1	0.105	105.%		
Toluene-mg/kg		0004084-05		0.1	0.106	106.%		
[illegible]ne-mg/kg		0004117-05		0.1	0.107	107.%		
[illegible]ylbenzene-mg/kg		0004084-05		0.1	0.103	103.%		

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0205234

SRM Recovery	SOIL Pct (%) SOIL	LAB-ID # RPD	Concentr.	Sample	Concentr	Spike	QC Test	Result
Ethylbenzene-mg/kg		0004117-05		0.1	0.109	109.%		
p/m-Xylene-mg/kg		0004084-05		0.2	0.218	109.%		
p/m-Xylene-mg/kg		0004117-05		0.2	0.223	111.5%		
o-Xylene-mg/kg		0004084-05		0.1	0.108	108.%		
o-Xylene-mg/kg		0004117-05		0.1	0.107	107.%		

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: **G0205234**

Project: **Kennan**

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
WW 1	0205234-01	SOIL	12/11/2002	12/12/2002
NW 1	0205234-02	SOIL	12/11/2002	12/12/2002
SW 1	0205234-03	SOIL	12/11/2002	12/12/2002
NW 2	0205234-04	SOIL	12/11/2002	12/12/2002
SW 2	0205234-05	SOIL	12/11/2002	12/12/2002
NW 3	0205234-06	SOIL	12/11/2002	12/12/2002
SW 3	0205234-07	SOIL	12/11/2002	12/12/2002
NW 4	0205234-08	SOIL	12/11/2002	12/12/2002
SW 4	0205234-09	SOIL	12/11/2002	12/12/2002
NW 5	0205234-10	SOIL	12/11/2002	12/12/2002
SW 5	0205234-11	SOIL	12/11/2002	12/12/2002
NW 6	0205234-12	SOIL	12/11/2002	12/12/2002
SW 6	0205234-13	SOIL	12/11/2002	12/12/2002
SW 7	0205234-14	SOIL	12/11/2002	12/12/2002
EW 7	0205234-15	SOIL	12/11/2002	12/12/2002
WW 7	0205234-16	SOIL	12/11/2002	12/12/2002
EW 8	0205234-17	SOIL	12/11/2002	12/12/2002
WW 8	0205234-18	SOIL	12/11/2002	12/12/2002
NW 8	0205234-19	SOIL	12/11/2002	12/12/2002

Surrogate recoveries on the 8015M TPH are outside the control limits because they were diluted out. (0205234-09)

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

Environmental Technology Group, Inc.
2540 West Marland
Hobbs, NM 88242

Order#: **G0205234**

Project: **Kennan**

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By: Date:

Environmental Lab of Texas I, Ltd.

Environmental Technology Group, Inc.

For Use On EOTT ENERGY CORP Projects Only

4830 West Wall
Midland, TX 79703
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TX 79702
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5805
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COC # 209

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: ROBERT EIDSON

EOTT Leak Number: TNM 97-23

Project Name: KENNAN

ETGI Project Number: E02010

Project Location: SUNICE NM

Sampler Signature: Elr Taylor

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
0205234		402 of 445																								
01	WW1	1			X						X		12/11	12:35	X		X									
02	NW1	1			X						X			12:51												
03	SW1	1			X						X			12:45												
04	NW2	1			X						X			12:58												
05	SW2	1			X						X			13:03												
06	NW3	1			X						X			13:10												
07	SW3	1			X						X			13:15												
08	NW4	1			X						X			13:21												
09	SW4	1			X						X			13:27												
10	NW5	1			X						X			13:34												
11	SW5	1			X						X			13:39												
12	NW6	1			X						X			13:45												
13	SW6	1			X						X			13:50												

Relinquished by: Date: Time:
Elr Taylor 12/12/02 14:10

Relinquished by: Date: Time:

Received by: Date: Time:

Received at Lab by: Date: Time:
Jane Mooney 12-12-02 1410

REMARKS:
0,5°C

Environmental Technology Group, Inc.
Environmental Consulting & Remediation Services

For Use On EOTT ENER CORP Projects Only

4600 West Wall
Midland, TX 79703
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TX 79702
(915) 687-3400
(915) 582-2781

5805
Midland,
Tel
Fax

CoC # 209

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: ROBERT EIDSON
EOTT Leak Number: TNM 97-23
Project Name: KENNAN
ETGI Project Number: E02010
Project Location: EUNICE NM
Sampler Signature: Ed Taylor

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME
	SW7	1			X						X		12/11	13:57
	EW7	1			X						X			14:01
	WW7	1			X						X			14:07
	E W8	1			X						X			14:14
	WW8	1			X						X			14:22
	NW8	1			X						X			14:28

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B/5030	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
X		X									

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received at Lab by: Date: Time:

REMARKS:

97-003
EO 2010

XENCO Laboratories
11381 Meadowglen Suite L
Houston, Texas 77082-2647
(281) 589-0692 Fax: (281) 589-0695
Houston - Dallas - San Antonio - Latin America

FILE

May 20, 1999

Project Manager: Stanley Grover
KEI Consultants, Ltd.
5309 Wurzbach Rd. Suite 100
San Antonio, TX 78238

Reference: **XENCO Report No.: -91912**
Project Name: EOTT
Project ID: 710046-1-0
Project Address: Lea County, NM

Dear Stanley Grover:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with XENCO Chain of Custody Number -91912.G All results being reported to you apply only to the samples analyzed, properly identified with a Laboratory ID number. This letter documents the official transmission of the contents of the report and validates the information contained within.

All the results for the quality control samples passed thorough examination. Also, all parameters for data reduction and validation checked satisfactorily. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 3 years in our archives and after that time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. -91912G will be filed for 60 days, and after that time they will be properly disposed of without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc)

XENCO operates under the A2LA guidelines. Our Quality System meets ISO/IEC Guide 25 requirements which is strictly implemented and enforced through our standard QA/QC procedures.

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Sincerely,

Eddie L. Clemons, II
QA/QC Manager

ANALYTICAL CHAIN OF CUSTODY REPORT
CHRONOLOGY OF SAMPLES

KEI Consultants, Ltd.

Project ID: *710046-1-0*
Project Manager: *Stanley Grover*
Project Location: *Lea County, NM*

Project Name: EOTT

XENCO COC#: -91912
Date Received in Lab: *May 13, 1999 12:57 by DA*
XENCO contact : *Carlos Castro/Debbie Simmons*

							Date and Time			
	Field ID	Lab. ID	Method Name	Method ID	Units	Turn Around	Sample Collected	Addition Requested	Extraction	Analysis
1	MW 1	91912-001	BTEX	SW-846	ppm	7 days	May 12, 1999 09:15		May 18, 1999 by MGC	May 18, 1999 15:01 by MG

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY -91912

KEI Consultants, Ltd.

Project Name: EOTT

Project ID: *710046-1-0*
Project Manager: *Stanley Grover*
Project Location: *Lea County, NM*

Date Received in Lab : *May 13, 1999 12:57*
Date Report Faxed: *May 20, 1999*
XENCO contact : *Carlos Castro/Debbie Simmons*

Analysis Requested	Lab ID: / Field ID: / Depth: / Matrix: / Sampled:	91912 001 / MW-1 / Liquid / 05/12/99 09:15			
BTEX EPA 8021B	Analyzed: / Units:	05/18/99 ppm	R.L.		
Benzene		< 0.001	(0.001)		
Toluene		< 0.001	(0.001)		
Ethylbenzene		< 0.001	(0.001)		
m,p-Xylene		< 0.002	(0.002)		
o-Xylene		< 0.001	(0.001)		
Total BTEX		N.D.			

Eddie L. Clemons, II
QA/QC Manager

ECENG Laboratories

Certificate Of Quality Control for Batch : 19A03C11

SW- 846 5030/8021B BTEX

Date Validated: May 19, 1999 14:00
Date Analyzed: May 18, 1999 12:23

Analyst: MG
Matrix: Liquid

BLANK SPIKE / BLANK SPIKE DUPLICATE AND RECOVERY

Parameter	[A] Blank Result ppm	[B] Blank Spike Result ppm	[C] Blank Spike Duplicate Result ppm	[D] Blank Spike Amount ppm	[E] Detection Limit ppm	Blank Limit Relative Difference %	[F] QC Spike Relative Difference %	[G] QC Blank Spike Recovery %	[H] QC B.S.D. Recovery %	[I] Blank Spike Recovery Range %	[J] Qualifier
Benzene	< 0.0010	0.0961	0.0933	0.1000	0.0010	20.0	3.0	96.1	93.3	65-135	
Toluene	< 0.0010	0.0947	0.0920	0.1000	0.0010	20.0	2.9	94.7	92.0	65-135	
Ethylbenzene	< 0.0010	0.1030	0.1001	0.1000	0.0010	20.0	2.9	103.0	100.1	65-135	
m,p Xylene	< 0.0020	0.1958	0.1907	0.2000	0.0020	20.0	2.6	97.9	95.4	65-135	
o Xylene	< 0.0010	0.0922	0.0900	0.1000	0.0010	20.0	2.4	92.2	90.0	65-135	

Spike Relative Difference [F] = 200*(B-C)/(B+C)
Blank Spike Recovery [G] = 100*(B-A)/[D]
B.S.D. = Blank Spike Duplicate
B.S.D. Recovery [H] = 100*(C-A)/[D]
BDL = Below detection limit or not detected
All results are based on MDL and validated for QC purposes

Eddie L. Clemons, II
QA/QC Manager

XENCO Laboratories

☐ 11353 Bee Cave Road, Suite C, Houston TX 77082 281-589-0692
☒ 5002 Wurzbach Road, Suite 104, San Antonio, TX 78238 210-509-3334
☐ 11078 Morrison Road, Suite D, Dallas, TX 75229 972-481-9999

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

On-LINE Help & Technical Services at XENCO.com

Company COC No: 332 Work Order No: d812

Page 1 of 1

Company: KET Phone: (210) 680-3767

Project Name: EOTT ☒ Previously done at XENCO Project ID: 710646-1-0

Location: LEA COUNTY NM

Project Manager (PM): S. GROVER Project Director (PD): M. NEWTON/RNE

Fax Results to: ☐ PM ☐ and / or Fax: (210) 680-3763

Invoice to: ☐ Accounting ☐ Include Invoice with Final Report Attn PM ☐ Invoice

Initial Invoice to P.O. Bill to:

Quote No: P.O No ☒ Call for a P.O.

Special Instructions (MRL, RCRA, DW, QAPP, See Lab PM, Call Proj. PM)

Specifications

Sampler Name: K. Dietz Signature: K. Dietz

Lab Only: # 91912-001

TAT: 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d Standard TAT is 10 Working Days unless otherwise agreed in writing. But often reported in 5-7 Working Days

Remarks: QUESTION S. GROVER (210) 680-3767

Lab Only Additions: From: / Rev by: / Date

Sample ID	Sampling Date	Time	Depth (ft. in. m)	Matrix (A, P, S, W)	Composite	Grab	# Containers	Container Size	Type	Preservatives	BTEX by 8020	BTEX-MTBE by 8020	TPH by TX1005	PAHs by 8270	METALS by 6010 8RCRA	VOAs by 8260	SVOAs by 8270	TAT 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d	Addn. PAH above	Hold Analysis
1 1141-1	12 MAY 99	0915		W		X	2	V	GA	H C4	X									

Columns: BTEX by 8020 / BTEX-MTBE by 8020 / TPH by TX1005 416.1 8015GRO 8015DRO 8015JetF / PAHs by 8270 8100 8310 / METALS by 6010 8RCRA Tot Pb TCLP8 13PP 23TAL See List / VOAs by 8260 624 BTEX MTBE PPs TCL See List Call PM / SVOAs by 6270 625 PAHs BN&A TCL PPs See List Call PM

FedEx # 815490005885

Relinquished by (Initials and Signature)	Relinquished to (Initials and Signature)	Date & Time
K. Dietz		12 May 99 1600
	Lab: J. Amos - Vis	5/13/99 12:57

Total Containers per COC: 2

Rush TATs Fax Due: Final Fax Due:

Final Report Data Package Due Date:

Rush Charges are Pre-Approved upon Requesting them. All Terms Apply

Preservatives: Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), NaOH+Asbc Acid (NAA), ZnAc+NaOH (ZA), (Cool,<4C) (C4), None (N), See Label (SL), Other (O) _____

SIZE: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (.5), Tedlar Bag (B), Wipe (W), Other _____ TYPE Glass Amb (GA), Glass Clear (GC), Plastic (P), Other (O) _____

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/HCl
Project #: TNM 97-23
Project Name: None Given
Project Location: Lea County, N.M.

Sampling Date: 08/23/99
Receiving Date: 08/27/99
Analysis Date: 08/27/99

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
19611	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		97	92	93	91	92
% EA		97	89	85	86	86
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030

Raland K. Tuttle

9-2-99
Date

COC: 007

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #:

Company Name & Address: ETGI PO BOX 4845 MIDLAND TX 79704

Project #: TNM 97-23

Project Name: —

Project Location: LEA COUNTY NM

Sampler Signature: Ken Dutton

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
19611	MW-1	2	✓	X					X		X			8-23	1400	X							

Relinquished by:	Date:	Times:	Received by:
Ken Dutton	26 Aug 99	0845	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date: 9/27/99	Times: 10:30	Received by Laboratory: Celey Keene

REMARKS: MAIL RESULTS TO:
KEN DUTTON
1606 W. CALLE SUR, APT B
HOBBS NM 88240-0985

INVOICE TO: LENNAR FROST
PO #1015M

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ETGI
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760(Ken Dutton)

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1015C
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 11/04/99
Receiving Date: 11/06/99
Analysis Date: 11/06/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
21394	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		105	101	102	103	102
% EA		103	98	98	99	98
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021,5030

Celey D. Keene

Celey D. Keene

11/8/99
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 37

Project Manager: Jesse Taylor

Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 MIDLAND, TX 79704

Project #: EOT 1015 C

Project Name: TNM 97-23

Project Location: Lea County, NM

Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8020	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
21394	MW 1	2	V	X					X		X			11-4-1999	1330	X							

Relinquished by:	Date:	Times:	Received by:
Simon Casas	11-6-99		
Jim Ditto	6 Nov 99	1398	J McMurrey
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS
Mail Results to K. Dutton

Invoice Lennah Frost PO# 1015 M

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT1015C
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 01/13/00
Receiving Date: 01/14/00
Analysis Date: 01/18 & 01/19/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
22849	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		94	91	89	91	88
% EA		93	90	87	88	87
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

Raland K. Tuttle

1-20-00

Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 070

Project Manager: Jesse Taylor
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 Midland TX 79704

Project #: EOT 1015 C
Project Name: TNM 97-23

Project Location: Lea County NM
Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B 8260	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
22949	MW 1	2	✓	X					X		X			1/13	1250	X							

Relinquished by:	Date:	Times:	Received by:
Simon Casas	1/14/00	1430	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS
MAIL RESULT: K. DUTTON

INVOICE LENNAH FROST 1015 M

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT1010R
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 02/25/00
Receiving Date: 02/25/00
Analysis Date: 02/28/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
23786	MW-2	0.001	<0.001	<0.001	<0.001	<0.001
23787	MW-3	0.003	0.002	<0.001	<0.001	<0.001
23788	MW-4	0.012	0.007	0.001	0.004	0.001
23789	MW-5	0.001	<0.001	<0.001	<0.001	<0.001
	% IA	99	96	92	97	95
	% EA	97	94	90	91	90
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

3-2-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1010R
Project Name: TNM 97-23
Project Location: Lea County,N.M.

Sampling Date: 02/25/00
Receiving Date: 02/25/00
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
23786	MW-2	480	319	0	205	1342
23787	MW-3	500	629	0	195	1841
23788	MW-4	822	2437	0	165	5657
23789	MW-5	492	399	0	215	1467
	QUALITY CONTROL	56.4	5052	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	113	101	*	*	*
	ANALYSIS DATE	02/28/00	02/28/00	02/28/00	02/28/00	02/29/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

3-2-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1010R
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: MW-2

Sampling Date: 02/25/00
Receiving Date: 02/25/00
Extraction Date: 02/29/00
Analysis Date: 02/29/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23786	RPD	%EA	%IA
Naphthalene	0.005	ND			60
Acenaphthylene	0.005	ND			74
Acenaphthene	0.005	ND	11.27	75	80
Fluorene	0.005	ND			86
Phenanthrene	0.005	ND			82
Anthracene	0.005	ND			82
Fluoranthene	0.005	ND			82
Pyrene	0.005	ND	3.64	81	86
Benzo[a]anthracene	0.005	ND			86
Chrysene	0.005	ND			84
Benzo[b]fluoranthene	0.005	ND			62
Benzo[k]fluoranthene	0.005	ND			104
Benzo [a]pyrene	0.005	ND			84
Indeno[1,2,3-cd]pyrene	0.005	ND			76
Dibenz[a,h]anthracene	0.005	ND			90
Benzo[g,h,i]perylene	0.005	ND			94

	% RECOVERY
Nitrobenzene-d5 SURR	72
2-Fluorobiphenyl SURR	91
Terphenyl-d14 SURR	82

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

3-2-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1010R
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: MW-3

Sampling Date: 02/25/00
Receiving Date: 02/25/00
Extraction Date: 02/29/00
Analysis Date: 02/29/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23787	RPD	%EA	%IA
Naphthalene	0.005	ND			60
Acenaphthylene	0.005	ND			74
Acenaphthene	0.005	ND	11.27	75	80
Fluorene	0.005	ND			86
Phenanthrene	0.005	ND			82
Anthracene	0.005	ND			82
Fluoranthene	0.005	ND			82
Pyrene	0.005	ND	3.64	81	86
Benzo[a]anthracene	0.005	ND			86
Chrysene	0.005	ND			84
Benzo[b]fluoranthene	0.005	ND			62
Benzo[k]fluoranthene	0.005	ND			104
Benzo [a]pyrene	0.005	ND			84
Indeno[1,2,3-cd]pyrene	0.005	ND			76
Dibenz[a,h]anthracene	0.005	ND			90
Benzo[g,h,i]perylene	0.005	ND			94

	% RECOVERY
Nitrobenzene-d5 SURR	75
2-Fluorobiphenyl SURR	97
Terphenyl-d14 SURR	83

ND= NOT DETECTED

Method: EPA SW 846 8270C . 3510

Raland K Tuttle
Raland K. Tuttle

3-2-00
Date

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1010R
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: MW-4

Sampling Date: 02/25/00
Receiving Date: 02/25/00
Extraction Date: 02/29/00
Analysis Date: 02/29/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23788	RPD	%EA	%IA
Naphthalene	0.005	ND			60
Acenaphthylene	0.005	ND			74
Acenaphthene	0.005	ND	11.27	75	80
Fluorene	0.005	ND			86
Phenanthrene	0.005	ND			82
Anthracene	0.005	ND			82
Fluoranthene	0.005	ND			82
Pyrene	0.005	ND	3.64	81	86
Benzo[a]anthracene	0.005	ND			86
Chrysene	0.005	ND			84
Benzo[b]fluoranthene	0.005	ND			62
Benzo[k]fluoranthene	0.005	ND			104
Benzo [a]pyrene	0.005	ND			84
Indeno[1,2,3-cd]pyrene	0.005	ND			76
Dibenz[a,h]anthracene	0.005	ND			90
Benzo[g,h,i]perylene	0.005	ND			94

	% RECOVERY
Nitrobenzene-d5 SURR	75
2-Fluorobiphenyl SURR	95
Terphenyl-d14 SURR	82

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

3-2-00
Date

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1010R
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: MW-5

Sampling Date: 02/25/00
Receiving Date: 02/25/00
Extraction Date: 02/29/00
Analysis Date: 02/29/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23789	RPD	%EA	%IA
Naphthalene	0.005	ND			60
Acenaphthylene	0.005	ND			74
Acenaphthene	0.005	ND	11.27	75	80
Fluorene	0.005	ND			86
Phenanthrene	0.005	ND			82
Anthracene	0.005	ND			82
Fluoranthene	0.005	ND			82
Pyrene	0.005	ND	3.64	81	86
Benzo[a]anthracene	0.005	ND			86
Chrysene	0.005	ND			84
Benzo[b]fluoranthene	0.005	ND			62
Benzo[k]fluoranthene	0.005	ND			104
Benzo [a]pyrene	0.005	ND			84
Indeno[1,2,3-cd]pyrene	0.005	ND			76
Dibenz[a,h]anthracene	0.005	ND			90
Benzo[g,h,i]perylene	0.005	ND			94

	% RECOVERY
Nitrobenzene-d5 SURR	71
2-Fluorobiphenyl SURR	89
Terphenyl-d14 SURR	71

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

3-2-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HNO3
Project #: EOT 1010R
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sample Date: 02/25/00
Receiving Date: 02/25/00
Analysis Date: 03/01/00

Analyte (mg/L)	MW-2 23786	MW-3 23787	MW-4 23788	MW-5 23789	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	2.400	4.250	7.100	5.060	0.0500	98	98	<0.0500	0.46
Arsenic	0.0120	0.0140	0.0110	0.0150	0.0050	108	114	<0.0050	2.94
Barium	0.0640	0.1100	0.2370	0.1060	0.0100	90	95	<0.0100	1.01
Beryllium	ND	ND	ND	ND	0.0040	98	102	<0.0040	0.00
Cadmium	ND	ND	ND	ND	0.0010	92	94	<0.0010	0.00
Calcium	133.0	171.0	636.0	164.0	1.000	91	*	<1.000	1.48
Chromium	ND	0.0090	ND	0.0050	0.0050	95	98	<0.0050	1.02
Cobalt	ND	ND	ND	ND	0.0200	94	95	<0.0200	1.25
Copper	ND	ND	0.0100	ND	0.0100	93	101	<0.0100	1.18
Iron	1.600	2.810	5.310	3.500	0.0500	102	61	<0.0500	0.00
Lead	ND	ND	ND	ND	0.0030	92	96	<0.0030	0.00
Magnesium	75.30	89.40	367.0	89.80	1.000	90	*	<1.000	1.31
Manganese	0.0370	0.1370	0.1620	0.0810	0.0150	95	97	<0.0150	0.96
Mercury	ND	ND	ND	ND	0.00020	109	87	<0.00020	10.87
Molybdenum	ND	ND	ND	ND	0.050	100	102	<0.050	1.55
Nickel	ND	ND	0.0130	ND	0.0100	96	95	<0.0100	1.05
Potassium	13.90	17.90	45.10	16.00	1.000	80	*	<1.000	2.15
Selenium	0.0130	0.0170	0.0280	0.0180	0.0050	94	102	<0.0050	0.00
Silver	ND	ND	ND	ND	0.00500	90	98	<0.0050	0.00
Sodium	238.0	433.0	768.0	252.0	1.000	96	*	<1.000	6.53
Tin	ND	ND	0.0620	ND	0.0500	104	107	<0.0500	1.85
Vanadium	0.0630	0.0620	0.0470	0.0640	0.0200	93	98	<0.0200	1.26
Zinc	ND	0.0240	0.0290	0.0220	0.0200	103	99	<0.0200	1.40
Boron	0.587	0.612	0.517	0.639	0.050	92	104	<0.050	1.22
Strontium	3.57	4.71	15.7	4.18	0.050	102	101	<0.050	1.52

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

3-2-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 90

Project Manager: Jesse Tavolo

Phone #: (915) 664-9166

FAX #: (505-392-3760

Company Name & Address: ETGI
P.O. Box 4625 Midland TX 79704

Project #: EOT 101012

Project Name: TNM 97-23

Project Location: Lea County NM

Sampler Signature: Jesse Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	PAH 8100 or 8270	HEAVY METALS TEPSAN 6010	CATIONS 6010	ANIONS 300.1
23786	mw 2	5	4.5	X					X	X	X			2/25	1123	X						X		X	X	X	X
23787	mw 3	↓	↓	↓					↓	↓	↓			↓	1215	X						X		X	X	X	X
23788	mw 4														1157	X						X		X	X	X	X
23789	mw 5														1115	X						X		X	X	X	X

Relinquished by:	Date:	Time:	Received by:
Jesse Casas	2/25/00	1330	
Relinquished by:	Date:	Time:	Received by:
Buster Jones	2/25/00		
Relinquished by:	Date:	Time:	Received by Laboratory:
		16:20	Celey Keene

REMARKS

Fax Halliburton

RUSH

Invoice: Jennifer Frost 1015 M

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County
Field Code: MW-4

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/L) Compounds	ELT# 24177	REPORTING LIMIT	%DEV	Method Blank	% EA
Chloromethane	ND	0.0020	19.2	ND	
Vinyl chloride	ND	0.0020	9.7	ND	
Bromomethane	ND	0.0020	6.6	ND	
Chloroethane	ND	0.0020	1.5	ND	
Trichlorofluoromethane	ND	0.0020	-8.0	ND	
Acetone	ND	0.0100	-19.8	ND	
1,1-Dichloroethene	ND	0.0020	-0.4	ND	110
Carbon Disulfide	ND	0.0020	-6.4	ND	
Methylene Chloride	ND	0.0050	2.3	ND	
trans-1,2-Dichloroethene	ND	0.0020	-1.6	ND	
1,1-Dichloroethane	ND	0.0020	-1.5	ND	
2-Butanone	ND	0.0100	-4.0	ND	
cis-1,2-dichloroethene	ND	0.0020	-1.9	ND	
Bromochloromethane	ND	0.0020	4.7	ND	
Chloroform	ND	0.0020	-4.2	ND	
1,1,1-Trichloroethane	ND	0.0020	-3.4	ND	
Carbon Tetrachloride	ND	0.00200	-5.8	ND	
Benzene	ND	0.0020	-8.6	ND	122
1,2 Dichloroethane	ND	0.0020	-9.5	ND	
Trichloroethene	ND	0.0020	-12.3	ND	120
1,2-Dichloropropane	ND	0.0020	-14.4	ND	
Dibromomethane	ND	0.0020	-14.7	ND	
Bromodichloromethane	ND	0.0020	-17.0	ND	
2-Hexanone	ND	0.0100	-21.6	ND	
4-Methyl 2-Pentanone	ND	0.0100	-18.4	ND	
cis 1,3 Dichloropropene	ND	0.0020	-7.3	ND	
Toluene	ND	0.0020	-9.9	ND	124
trans 1,3-Dichloropropene	ND	0.0020	-18.0	ND	
1,1,2-Trichloroethane	ND	0.0020	-4.4	ND	
Dibromochloromethane	ND	0.0020	-7.7	ND	

ENVIRONMENTAL
LAB OF , INC.
"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County
Field Code: MW-4

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/22/00

Volatiles EPA SW 846-8260, (mg/L) Compounds	ELT# 24177	REPORTING LIMIT	%DEV	Method Blank	% EA
Tetrachloroethene	ND	0.0020	-8.2	ND	
Chlorobenzene	ND	0.0020	-3.7	ND	110
1,1,1,2-Tetrachloroethane	ND	0.0020	-9.7	ND	
Ethylbenzene	ND	0.0020	4.9	ND	
m&p Xylene	2.57	0.0020	5.7	ND	
o-Xylene	ND	0.0020	-5.5	ND	
Styrene	ND	0.0020	-2.1	ND	
Bromoform	ND	0.0020	-12.8	ND	
1,1,2,2-Tetrachloroethane	ND	0.0020	-8.5	ND	
1,2,3-Trichloropropane	ND	0.0020	-4.6	ND	
1,4-Dichlorobenzene	ND	0.0020	-7.0	ND	
1,2-Dichlorobenzene	ND	0.0020	-9.7	ND	
1,2-Dibromo-3-Chloropropane	ND	0.0100	-30.2	ND	

SYSTEM MONITORING COMPOUNDS	% RECOVERY
Dibromofluoromethane	108
Toluene-d8	92
4-Bromofluorobenzene	94
1,2-dichloroethane-d4	112

ND=<REPORTING LIMIT

Tenatively Identified Compound	*EQL mg/L*	*Tenatively Identified Compound*	*EQL mg/L*
methyl-cyclopentane	0.0034	methyl-cyclohexane	0.0050
Cyclohexane	0.0086		

Raland K. Tuttle

4-7-00
Date

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County, N.M.
Field Code: MW-4

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 24177	RPD	%EA	%DEV
Naphthalene	0.005	ND			4.5
Acenaphthylene	0.005	ND			4.2
Acenaphthene	0.005	ND	8	41	5.2
Fluorene	0.005	ND			5.7
Phenanthrene	0.005	ND			3.9
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			5.0
Pyrene	0.005	ND	2	34	8.6
Benzo[a]anthracene	0.005	ND			11.3
Chrysene	0.005	ND			13.2
Benzo[b]fluoranthene	0.005	ND			17.4
Benzo[k]fluoranthene	0.005	ND			12.9
Benzo [a]pyrene	0.005	ND			8.3
Indeno[1,2,3-cd]pyrene	0.005	ND			0.0
Dibenz[a,h]anthracene	0.005	ND			1.7
Benzo[g,h,i]perylene	0.005	ND			2.0

	% RECOVERY
Nitrobenzene-d5 SURR	52
2-Fluorobiphenyl SURR	62
Terphenyl-d14 SURR	64

ND= not detected at reporting limit

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: None Given
Project Name: TNM 97-23
Project Location: Lea County
Field Code: MW-4

Sampling Date: 03/17/00
Receiving Date: 03/20/00
Analysis Date: 03/31/00
ELT # 24177

Tenatively Identified Compounds	EQL mg/L
3-nit-1,2-benzenedicarboxylic acid	*

* NOTE: Present but less than report limit.

EQL = estimated quantitation level

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

4-7-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

109

Project Manager: Jesse Tavarez

Phone #: (915) 664-9166

FAX #: (505) 392-3260

Company Name & Address: ETGI
P.O. Box 4995 Midland TX 79704

Project #:

Project Name: TNM 97-23

Project Location: Lea County

Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME
24177	MW 4	3	VL	X							X			3-17	1140

ANALYSIS REQUEST

BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	GC SPEC (VOLT+SEMI-VOL)
								X

Relinquished by:	Date:	Times:	Received by:
Simon Casas	3-20-00	1500	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS: Main Results: K. Dutton

Invoice Lennah Frost 101Sm

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

SampleType: Water
Sample Condition: Intact/ Iced/HCl/ 56 deg. F
Project #: EOT 2010C
Project Name: TNM 97-23
Project Location: Lea County, N.M

Sampling Date: 05/18/00
Receiving Date: 05/22/00
Analysis Date: 05/27 & 05/28/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
25942	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
25943	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001
25944	MW 3	0.001	<0.001	<0.001	<0.001	<0.001
25945	MW 4	0.002	<0.001	<0.001	<0.001	<0.001
25946	MW 5	<0.001	<0.001	<0.001	0.002	<0.001
	% IA	97	94	95	102	94
	% FA	94	91	93	98	91
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Roland K. Tuttle

5-30-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC #140

Project Manager: JESSE TAYLOR
Phone #: (505) 392-8731
FAX #: (505) 392-3760

Company Name & Address: EOT
P.O. BOX 4845 MIDLAND TX 79704

Project #: EOT 2016 C
Project Name: TNM 9723

Project Location: LEA COUNTY NM
Sampler Signature: Aimee Cole

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
25942	MW 1	2	V	X					X		X			5-18	0920	X							
25943	MW 2														0944								
25944	MW 3														0918								
25945	MW 4														0905								
25946	MW 5														0925								

Relinquished by:	Date:	Time:	Received by:
Aimee Cole	5-19-00	1400	Ron Dotson
Ron Dotson	22 MAY 00	1115	Jmcmurrey
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
Mail Results to M Patton
(Rec 56°F)
Invoice to EOT Houston

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

SampleType: Water
Sample Condition: Intact/ Iced/HCl/ 32 deg. F
Project #: EOT 2010C
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 06/06/00
Receiving Date: 06/10/00
Analysis Date: 06/12/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
26556	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
26557	MW 2	0.005	0.003	<0.001	0.001	<0.001
26558	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001
26559	MW 4	0.022	0.014	0.003	0.007	0.002
26560	MW 5	0.002	0.001	<0.001	<0.001	<0.001
% IA		90	87	89	96	88
% EA		96	95	98	106	97
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Umesh Rao

Umesh Rao, Ph. D.

6/14/00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 124

Project Manager: JESSE TAYLOR
Phone #: (505) 392-8731
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. BOX 4625 MIDLAND TX 79704

Project #: EOT 2010 DC
Project Name: TNM97-23

Project Location: LEA COUNTY NM
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TOS	RCI
26556	MW 1	2	V	X					X		X			6-6	1040	X							
26557	MW 2														1220								
26558	MW 3														1130								
26559	MW 4														1300								
26560	MW 5														1140								

Relinquished by:	Date:	Times:	Received by:
Jesse Casas	16 Jun 00	1100	
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS
FAX Results: Hobbs Office
32°F
ETGI
Invoice
~~EOT Fonsea~~

FILE

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-397-4701

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ -1 deg. C
Project #: EOT 2010C
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 09/15/00
Receiving Date: 09/16/00
Analysis Date: 09/21/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L	TOTAL BTEX mg/L
31033	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
31034	MW 2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
31035	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
31036	MW 4	0.018	0.008	<0.001	<0.001	<0.001	0.026
31037	MW 5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
31038	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		98	96	95	96	90	
% EA		92	90	91	92	86	
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001	

METHODS: SW 846-8021B,5030

Raland K. Tuttle

9-25-00
Date

Environmental Lab of Texas, Inc.

12600 West I-2[illegible]t Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 232

Project Manager: BETH ALDRICH
Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: ETGI
2540 W MARLAND HOBBS NM

Project #: EOT 2016C
Project Name: TNM 97-23

Project Location: LEA COUNTY NM
Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
31033	MW 1	2	V	X					X		X			9-15	0940	X							
31034	MW 2														1105								
31035	MW 3														0925								
31036	MW 4														1136								
31037	MW 5														1020								
31038	EB1														1145								

Relinquished by:	Date:	Time:	Received by:
Simon Casas	9-15-00	1500	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:
	9-16-00	14:55	

REMARKS

-1°C

INVOICE: EOTT

FAX RESULTS: HOBBS OFFICE

MAIL RESULTS: EOTT

Sep 25 00 11:52a

p.2

ENVIRONMENTAL LAB OF , INC.

FILE

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 0.5 deg. C
Project #: EOT 2010C
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 11/30/00
Receiving Date: 12/02/00
Analysis Date: 12/03/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
34576	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
34577	MW 2	0.012	0.004	<0.001	0.002	<0.001
%IA		95	102	100	103	98
%EA		96	103	101	104	99
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

12-4-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 0.5 deg. C
Project #: EOT 2010C
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 11/30/00
Receiving Date: 12/02/00
Analysis Date: 12/03/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
34578	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001
34579	MW 4	0.041	0.027	0.005	0.011	0.004
34580	MW 5	<0.001	<0.001	<0.001	<0.001	<0.001
34581	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
%IA		95	102	100	103	98
%EA		96	103	101	104	99
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

12-4-00
Date

COC # 285 Page of

Environmental Technology Group, Inc. — Environmental Consulting & Remediation Services

For Use On **EOTT ENERGY CORP.** Projects Only

4600 West Wall
Midland, TX 79703
Tel (915) 522-1139
Fax (915) 520-4310

2540 West Marland
Hobbs, NM 88242
Tel (505) 397-4882
Fax (505) 397-4701

EOTT ENERGY CORP.
5805 East Business 20
Midland, TX 79702
Tel (915) 687-3400
Fax (915) 582-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)

Project Manager: BETH ALDRICH

Project Name: TNM 97-23

Project Number: EOT 2Ø1ØC

Project Location: LEA COUNTY NM

Sampler Signature: Jerrow Crocs

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
34576	MW 1	2	V	X				X			X		11-30	1100	X											
34577	MW 2													1225												
34578	MW 3													1120												
34579	MW 4													1300												
34580	MW 5													1138												
34581	EB 1													1315												

Relinquished by: Date: Time:
12-1-00 1600

Received by: Date: Time:
Camille Reynolds 12/01/00 1600

Relinquished by: Date: Time:
Camille Reynolds 12/02/00 1200

Received at Lab by: Date: Time:
mc Murrey 12-02-00 1200

REMARKS:
FAX RESULTS: HOBBS OFFICE
MAIL RESULTS: EOTT
INVOICE: EOTT
Rec 0.5°C

P.11

Dec 05 00 08:41a

ENVIRONMENTAL LAB OF , INC.

FIL

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310
FAX: 505-397-4701

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 0.5 deg. C
Project #: EOT 2010C
Project Name: TNM 97-23
Project Location: Lea County, N.M.

Sampling Date: 03/16/01
Receiving Date: 03/26/01
Analysis Date: 03/28/01

ELT #	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
38497	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
38498	MW 2	0.002	<0.001	<0.001	<0.001	<0.001
38499	MW 3	0.002	<0.001	<0.001	<0.001	<0.001
38500	MW 4	0.023	0.013	0.002	0.005	0.001
38501	MW 5	<0.001	<0.001	<0.001	<0.001	<0.001
38502	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
	%IA	86	89	94	99	94
	%EA	86	88	92	97	93
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

3-30-01
Date

COC # 039 Page of

For Use On **EOTT ENERGY CORP.** Projects Only

Environmental Technology Group, Inc.

4600 West Wall, Midland, TX 79703, Tel (915) 522-1139, Fax (915) 520-4310
2540 West Marland, Hobbs, NM 88242, Tel (505) 397-4882, Fax (505) 397-4701
EOTT ENERGY CORP., East Business 20, TX 79702, (915) 687-3400, (915) 582-2781
5805 Midland, Tel Fax

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)

Project Manager: JESSE TAYLOR
Project Name: TNM 97-23
Project Location: LEA County, NM
EOTT Leak Number:
ETGI Project Number: EOT 2010C
Sampler Signature: Simon Casas

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/~~8260~~	TPH 418.1/TX 1005	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
38497	MW 1	2	V	X				X			X		3-16	1000	X											
38498	MW 2													1130												
38499	MW 3													1025												
38500	MW 4													1205												
38501	MW 5													1059												
38502	EB 1													1219												

Relinquished by: Simon Casas Date: 3-23-01 Time: 0700
Received by: [signature] Date: 3-23-01 Time: 0700
Relinquished by: [signature] Date: 3-26-01 Time: 3:00
Received at Lab by: Cindy Keene Date: 3/26/01 Time: 15:00

REMARKS:
FAX RESULTS: HOBBS OFFICE
MAIL RESULTS: EOTT
INVOICE: EOTT
0.5°C

Summary Report

Ken Dutton
ETGI
2540 W. Marland
Hobbs, NM

Report Date: June 14, 2001

Order ID Number: A01060719

Project Number: EOT 2010C
Project Name: TNM 97-23
Project Location: Lea County NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
172811	MW-1	Water	6/4/01	11:15	6/7/01
172812	MW-2	Water	6/4/01	12:25	6/7/01
172813	MW-3	Water	6/4/01	11:35	6/7/01
172814	MW-4	Water	6/4/01	12:42	6/7/01
172815	MW-5	Water	6/4/01	12:00	6/7/01
172816	EB-1	Water	6/4/01	13:00	6/7/01

This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

	BTEX				
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	M,P,O-Xylene (mg/L)	Total BTEX (mg/L)
172811 - MW-1	<0.005	0.0198	0.0197	0.0792	0.1187
172812 - MW-2	0.0091	<0.005	<0.005	<0.005	0.0091
172813 - MW-3	0.0085	<0.005	<0.005	<0.005	0.0085
172814 - MW-4	0.0149	0.0198	<0.005	<0.005	0.0347
172815 - MW-5	<0.005	<0.005	<0.005	<0.005	<0.005
172816 - EB-1	<0.005	<0.005	<0.005	<0.005	<0.005

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Ken Dutton
ETGI
2540 W. Marland
Hobbs, NM

Report Date: June 14, 2001

Order ID Number: A01060719

Project Number: EOT 2010C
Project Name: TNM 97-23
Project Location: Lea County NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
172811	MW-1	Water	6/4/01	11:15	6/7/01
172812	MW-2	Water	6/4/01	12:25	6/7/01
172813	MW-3	Water	6/4/01	11:35	6/7/01
172814	MW-4	Water	6/4/01	12:42	6/7/01
172815	MW-5	Water	6/4/01	12:00	6/7/01
172816	EB-1	Water	6/4/01	13:00	6/7/01

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 172811 - MW-1

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11906	Date Analyzed:	6/11/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10188	Date Prepared:	6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.005	mg/L	5	0.001
Toluene		0.0198	mg/L	5	0.001
Ethylbenzene		0.0197	mg/L	5	0.001
M,P,O-Xylene		0.0792	mg/L	5	0.001
Total BTEX		0.1187	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.503	mg/L	5	0.10	100	72 - 128
4-BFB		0.471	mg/L	5	0.10	94	72 - 128

Sample: 172812 - MW-2

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11906	Date Analyzed:	6/11/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10188	Date Prepared:	6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0091	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		0.0091	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.507	mg/L	5	0.10	101	72 - 128
4-BFB		0.468	mg/L	5	0.10	93	72 - 128

Sample: 172813 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11906	Date Analyzed:	6/11/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10188	Date Prepared:	6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0085	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		0.0085	mg/L	5	0.001

Continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.497	mg/L	5	0.10	99	72 - 128
4-BFB		0.453	mg/L	5	0.10	90	72 - 128

Sample: 172814 - MW-4

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11906	Date Analyzed:	6/11/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10188	Date Prepared:	6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0149	mg/L	5	0.001
Toluene		0.0198	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		0.0347	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.496	mg/L	5	0.10	99	72 - 128
4-BFB		0.452	mg/L	5	0.10	90	72 - 128

Sample: 172815 - MW-5

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11906	Date Analyzed:	6/11/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10188	Date Prepared:	6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.005	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		<0.005	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.498	mg/L	5	0.10	99	72 - 128
4-BFB		0.454	mg/L	5	0.10	90	72 - 128

Sample: 172816 - EB-1

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11906	Date Analyzed:	6/11/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10188	Date Prepared:	6/11/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.005	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001

Continued . . .

... *Continued* Sample: 172816 Analysis: BTEX

Param	Flag	Result	Units	Dilution	RDL
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		<0.005	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.512	mg/L	5	0.10	102	72 - 128
4-BFB		0.463	mg/L	5	0.10	92	72 - 128

Quality Control Report
Method Blank

Method Blank

QCBatch: QC11906

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0893	mg/L	1	0.10	89	72 - 128
4-BFB		0.0822	mg/L	1	0.10	82	72 - 128

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC11906

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.104	0.106	mg/L	1	0.10	<0.001	104	1	80 - 120	20
Benzene	0.0972	0.0984	mg/L	1	0.10	<0.001	97	1	80 - 120	20
Toluene	0.0968	0.0985	mg/L	1	0.10	<0.001	96	1	80 - 120	20
Ethylbenzene	0.0981	0.0997	mg/L	1	0.10	<0.001	98	1	80 - 120	20
M,P,O-Xylene	0.299	0.304	mg/L	1	0.30	<0.001	99	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.101	0.103	mg/L	1	0.10	101	103	72 - 128
4-BFB	0.0985	0.0997	mg/L	1	0.10	98	99	72 - 128

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC11906

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0944	94	85 - 115	6/11/01
Benzene		mg/L	0.10	0.0878	87	85 - 115	6/11/01

Continued ...

... Continued

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.10	0.0874	87	85 - 115	6/11/01
Ethylbenzene		mg/L	0.10	0.088	88	85 - 115	6/11/01
M,P,O-Xylene		mg/L	0.30	0.269	89	85 - 115	6/11/01

CCV (2)

QCBatch: QC11906

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0911	91	85 - 115	6/11/01
Benzene		mg/L	0.10	0.0914	91	85 - 115	6/11/01
Toluene		mg/L	0.10	0.0906	90	85 - 115	6/11/01
Ethylbenzene		mg/L	0.10	0.0907	90	85 - 115	6/11/01
M,P,O-Xylene		mg/L	0.30	0.2758	91	85 - 115	6/11/01

ICV (1)

QCBatch: QC11906

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.1	100	85 - 115	6/11/01
Benzene		mg/L	0.10	0.0966	96	85 - 115	6/11/01
Toluene		mg/L	0.10	0.0964	96	85 - 115	6/11/01
Ethylbenzene		mg/L	0.10	0.0975	97	85 - 115	6/11/01
M,P,O-Xylene		mg/L	0.30	0.297	99	85 - 115	6/11/01

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
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Fax (806) 794-1298
1 (800) 378-1296

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 10060719

Company Name: ETGI
Phone #: (505) 397-4882
Address: (Street, City, Zip) 2540 W MARLAND HOBBS NM 88240
Fax #: (505) 397-4701
Contact Person: KEN DUTTON
Invoice to: (If different from above) EOTT
Project #: EOT 2010C
Project Name: TNM 97-23
Project Location: LEA COUNTY NM
Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
172811	MW 1	2	V	X				X				X		6-4	1115
812	MW 2														1225
813	MW 3														1135
814	MW 4														1242
815	MW 5														1200
816	EB 1	V	V	V				V				V		V	1300

2001

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Turn Around Time if different from standard	Hold
	X															

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Simon Casas	6-6-01	1400		6-6-01	1410
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Vicki Dansby	6-7-01	10:00

LAB USE ONLY
Intact (Y) N
Headspace Y / (N)
Temp 4 °
Log-in Review MA

REMARKS:
sediment in vial
6/15

☐ Check If Special Reporting Limits Are Needed

Carrier # Bus 902 4290174

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

ORIGINAL COPY

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Ch[illegible] TX 78408
(512) 444-5896 • FAX (512) [illegible]766

FILE

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 120052 **Report Date:** 10/09/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 1
Sample Matrix: water
Date Received: 10/02/2001 **Time:** 14:53
Date Sampled: 09/24/2001 **Time:** 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		10/05/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/05/01	8260b	J	3.8	92	94.3	104.8
Ethylbenzene	<1	µg/L	1	<1	10/05/01	8260b	---	3	92.8	95	[illegible]
m,p-Xylenes	<1	µg/L	1	<1	10/05/01	8260b	J	3.1	92.6	94.8	[illegible]
o-Xylene	<1	µg/L	1	<1	10/05/01	8260b	---	3.3	93.8	96.3	97.6
Toluene	<1	µg/L	1	<1	10/05/01	8260b	---	3.9	87.7	90.5	100.4

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-[illegible]6

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 1

Report#/Lab ID#: 120052
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	80.2	80-120	---
Toluene-d8	8260b	95	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 120052 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 1

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.

Notes:

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 444-1766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 120053 **Report Date:** 10/09/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 2
Sample Matrix: water
Date Received: 10/02/2001 **Time:** 14:53
Date Sampled: 09/24/2001 **Time:** 14:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		10/05/01	8260b	---	---	---	---	---
Benzene	3.45	µg/L	1	<1	10/05/01	8260b	---	3.8	92	94.3	104.8
Ethylbenzene	<1	µg/L	1	<1	10/05/01	8260b	---	3	92.8	95	96.7
m,p-Xylenes	<1	µg/L	1	<1	10/05/01	8260b	---	3.1	92.6	94.8	[illegible]
o-Xylene	<1	µg/L	1	<1	10/05/01	8260b	---	3.3	93.8	96.3	97.6
Toluene	<1	µg/L	1	<1	10/05/01	8260b	J	3.9	87.7	90.5	100.4

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 2

Report#/Lab ID#: 120053
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	82.5	80-120	---
Toluene-d8	8260b	89.7	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 120053 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 2

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene	J	See J-flag discussion above.

Notes:

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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 120054 **Report Date:** 10/09/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 3
Sample Matrix: water
Date Received: 10/02/2001 **Time:** 14:53
Date Sampled: 09/24/2001 **Time:** 13:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		10/05/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/05/01	8260b	---	3.8	92	94.3	104.8
Ethylbenzene	<1	µg/L	1	<1	10/05/01	8260b	---	3	92.8	95	[illegible]7
m,p-Xylenes	<1	µg/L	1	<1	10/05/01	8260b	---	3.1	92.6	94.8	[illegible]5
o-Xylene	<1	µg/L	1	<1	10/05/01	8260b	---	3.3	93.8	96.3	97.6
Toluene	<1	µg/L	1	<1	10/05/01	8260b	---	3.9	87.7	90.5	100.4

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 3	**Report#/Lab ID#:** 120054 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.1	80-120	---
Toluene-d8	8260b	90.2	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 120055 **Report Date:** 10/09/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 4
Sample Matrix: water
Date Received: 10/02/2001 **Time:** 14:53
Date Sampled: 09/24/2001 **Time:** 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		10/05/01	8260b	---	---	---	---	---
Benzene	26.9	µg/L	1	<1	10/05/01	8260b	---	3.8	92	94.3	104.8
Ethylbenzene	2.78	µg/L	1	<1	10/05/01	8260b	---	3	92.8	95	96.7
m,p-Xylenes	7.31	µg/L	1	<1	10/05/01	8260b	---	3.1	92.6	94.8	[illegible]
o-Xylene	2.67	µg/L	1	<1	10/05/01	8260b	---	3.3	93.8	96.3	97.6
Toluene	15.6	µg/L	1	<1	10/05/01	8260b	---	3.9	87.7	90.5	100.4

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 4	**Report#/Lab ID#:** 120055 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.9	80-120	---
Toluene-d8	8260b	88.8	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) [redacted]766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 120056 **Report Date:** 10/09/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 5
Sample Matrix: water
Date Received: 10/02/2001 **Time:** 14:53
Date Sampled: 09/24/2001 **Time:** 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		10/05/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/05/01	8260b	---	3.8	92	94.3	104.8
Ethylbenzene	<1	µg/L	1	<1	10/05/01	8260b	---	3	92.8	95	96.7
m,p-Xylenes	<1	µg/L	1	<1	10/05/01	8260b	---	3.1	92.6	94.8	[redacted]
o-Xylene	<1	µg/L	1	<1	10/05/01	8260b	---	3.3	93.8	96.3	97.6
Toluene	<1	µg/L	1	<1	10/05/01	8260b	---	3.9	87.7	90.5	100.4

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

inc.
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lient: Environmental Tech Group **ttn:** Ken Dutton	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 5	**Report#/Lab ID#:** 120056 **Sample Matrix:** water

EPORT OF SURROGATE RECOVERY

urrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
2-Dichloroethane-d4	8260b	90.1	80-120	---
oluene-d8	8260b	88.7	88-110	---

ıta Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 120057 **Report Date:** 10/09/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: EB 1
Sample Matrix: water
Date Received: 10/02/2001 **Time:** 14:53
Date Sampled: 09/24/2001 **Time:** 15:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		10/05/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/05/01	8260b	---	3.8	92	94.3	104.8
Ethylbenzene	<1	µg/L	1	<1	10/05/01	8260b	---	3	92.8	95	[illegible]
m,p-Xylenes	<1	µg/L	1	<1	10/05/01	8260b	---	3.1	92.6	94.8	[illegible]
o-Xylene	<1	µg/L	1	<1	10/05/01	8260b	---	3.3	93.8	96.3	97.6
Toluene	<1	µg/L	1	<1	10/05/01	8260b	---	3.9	87.7	90.5	100.4

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** EB 1	**Report#/Lab ID#:** 120057 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.5	80-120	---
Toluene-d8	8260b	91.7	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

CRC: 136

CHAIN-OF-CUSTODY

ANALYSYS INC.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
Phone: (512) 444-5896
Fax: (512) 447-4766

$225

Send Reports To:
Company Name ETGI
Address 2540 W MARLAND
City HOBBS State NM Zip 88240
ATTN: KEN DUTTON
Phone (505) 397-4182 Fax (505) 397-4701

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: TNM 97-43 EOT 2010 C Sampler: Simon Casas

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B	Comments
MW 1	9-24	1300	2		X		120052	X	
MW 2		1430					120053		
MW 3		1330					120054		
MW 4		1500					120055		
MW 5		1400					120056		
EB 1		1520					120057		

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp 0.0 °C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas		10-1-01	1700	Stephanie Humphrey	ASI	10/2/01	1453

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

FILE

Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 121915 **Report Date:** 11/15/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 1
Sample Matrix: water
Date Received: 11/02/2001 **Time:** 09:30
Date Sampled: 10/30/2001 **Time:** 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		11/09/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/09/01	8260b	---	17.7	101.9	103.5	101.4
Ethylbenzene	<1	µg/L	1	<1	11/09/01	8260b	---	0.3	93	95.4	91.2
m,p-Xylenes	<1	µg/L	1	<1	11/09/01	8260b	---	0.3	96.4	98.7	95
o-Xylene	<1	µg/L	1	<1	11/09/01	8260b	---	0.2	96.6	98.4	95.7
Toluene	<1	µg/L	1	<1	11/09/01	8260b	---	17.4	108.6	110.8	109.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. *Less than* ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 1	**Report#/Lab ID#:** 121915 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.3	80-120	---
Toluene-d8	8260b	91.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 121916 **Report Date:** 11/15/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 2
Sample Matrix: water
Date Received: 11/02/2001 **Time:** 09:30
Date Sampled: 10/30/2001 **Time:** 10:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		11/09/01	8260b	---	---	---	---	---
Benzene	1.91	µg/L	1	<1	11/09/01	8260b	---	17.7	101.9	103.5	101.4
Ethylbenzene	<1	µg/L	1	<1	11/09/01	8260b	---	0.3	93	95.4	91.2
m,p-Xylenes	<1	µg/L	1	<1	11/09/01	8260b	J	0.3	96.4	98.7	95
o-Xylene	<1	µg/L	1	<1	11/09/01	8260b	---	0.2	96.6	98.4	95.7
Toluene	<1	µg/L	1	<1	11/09/01	8260b	---	17.4	108.6	110.8	109.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

4221 Freidrich Lane,Suite 190, Austin, TX [illegible]44 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 2	**Report#/Lab ID#:** 121916 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.8	80-120	---
Toluene-d8	8260b	92.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 121916 **Matrix:** water
Client: Environmental Tech Group **Attn:** Matina Smith
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 2

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 121917 **Report Date:** 11/15/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 3
Sample Matrix: water
Date Received: 11/02/2001 **Time:** 09:30
Date Sampled: 10/30/2001 **Time:** 10:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		11/09/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/09/01	8260b	---	17.7	101.9	103.5	101.4
Ethylbenzene	<1	µg/L	1	<1	11/09/01	8260b	---	0.3	93	95.4	91.2
m,p-Xylenes	<1	µg/L	1	<1	11/09/01	8260b	---	0.3	96.4	98.7	95
o-Xylene	<1	µg/L	1	<1	11/09/01	8260b	---	0.2	96.6	98.4	95.7
Toluene	<1	µg/L	1	<1	11/09/01	8260b	---	17.4	108.6	110.8	109.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Matina Smith

Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 3

Report#/Lab ID#: 121917
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.6	80-120	---
Toluene-d8	8260b	88.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 121918 **Report Date:** 11/15/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 4
Sample Matrix: water
Date Received: 11/02/2001 **Time:** 09:30
Date Sampled: 10/30/2001 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		11/09/01	8260b	---	---	---	---	---
Benzene	17.6	µg/L	1	<1	11/09/01	8260b	---	17.7	101.9	103.5	101.4
Ethylbenzene	1.2	µg/L	1	<1	11/09/01	8260b	---	0.3	93	95.4	91.2
m,p-Xylenes	3.65	µg/L	1	<1	11/09/01	8260b	---	0.3	96.4	98.7	95
o-Xylene	1.42	µg/L	1	<1	11/09/01	8260b	---	0.2	96.6	98.4	95.7
Toluene	10.6	µg/L	1	<1	11/09/01	8260b	---	17.4	108.6	110.8	109.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 4	**Report#/Lab ID#:** 121918 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	80-120	---
Toluene-d8	8260b	90.6	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 121919 **Report Date:** 11/15/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 5
Sample Matrix: water
Date Received: 11/02/2001 **Time:** 09:30
Date Sampled: 10/30/2001 **Time:** 10:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		11/09/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/09/01	8260b	---	17.7	101.9	103.5	101.4
Ethylbenzene	<1	µg/L	1	<1	11/09/01	8260b	---	0.3	93	95.4	91.2
m,p-Xylenes	<1	µg/L	1	<1	11/09/01	8260b	---	0.3	96.4	98.7	95
o-Xylene	<1	µg/L	1	<1	11/09/01	8260b	---	0.2	96.6	98.4	95.7
Toluene	<1	µg/L	1	<1	11/09/01	8260b	---	17.4	108.6	110.8	109.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

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Client: Environmental Tech Group
Attn: Matina Smith

Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 5

Report#/Lab ID#: 121919
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.8	80-120	---
Toluene-d8	8260b	90.1	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 121920 **Report Date:** 11/15/01
Project ID: TNM 97-23 EOT 2010C
Sample Name: EB 1
Sample Matrix: water
Date Received: 11/02/2001 **Time:** 09:30
Date Sampled: 10/30/2001 **Time:** 11:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		11/09/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/09/01	8260b	---	17.7	101.9	103.5	101.4
Ethylbenzene	<1	µg/L	1	<1	11/09/01	8260b	---	0.3	93	95.4	91.2
m,p-Xylenes	<1	µg/L	1	<1	11/09/01	8260b	---	0.3	96.4	98.7	95
o-Xylene	<1	µg/L	1	<1	11/09/01	8260b	---	0.2	96.6	98.4	95.7
Toluene	<1	µg/L	1	<1	11/09/01	8260b	---	17.4	108.6	110.8	109.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Matina Smith

Project ID: TNM 97-23 EOT 2010C
Sample Name: EB 1

Report#/Lab ID#: 121920
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	89.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

CHAIN-OF-CUSTODY

ANALYSYS INC.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
Phone: (512) 444-5896
Fax: (512) 447-4766

Send Reports To:
Company Name E.T.G.I.
Address 4600 WEST WALL
City MIDLAND State TX Zip 79703
ATTN: MATINA SMITH
Phone (915) 522 1134 Fax (915) 520-4310

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: TNM 97-23 Sampler: Simon Casas
EOT 2010C

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B	Comments
MW 1	10-30-01	1000	2		X		121915	X	
MW 2		1045					121916		
MW 3		1015					121917		
MW 4		1100					121918		
MW 5		1030					121919		
EB1		1115					121920		

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's BSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp 0.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas	ETGI	11/1/01	1500	Melanie	Humphrey ASI	11/02/01	0938

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

FILE

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 125228 **Report Date:** 02/05/02
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 1
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:18
Date Sampled: 01/28/2002 **Time:** 16:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.6	108.1	115	96.6
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.4	102.9	106.8	101
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.5	113.9	117.9	111.1
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	2	102.5	106.6	100
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	0.7	98.5	111	83.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

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Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 1	**Report#/Lab ID#:** 125228 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.9	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 125229 **Report Date:** 02/05/02
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 2
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:18
Date Sampled: 01/28/2002 **Time:** 15:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	3.79	µg/L	1	<1	02/01/02	8260b	---	0.6	108.1	115	96.6
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.4	102.9	106.8	101
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.5	113.9	117.9	111.1
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	2	102.5	106.6	100
Toluene	<1	µg/L	1	<1	02/01/02	8260b	J	0.7	98.5	111	83.8

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Matina Smith

Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 2

Report#/Lab ID#: 125229
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	84.6	80-120	---
Toluene-d8	8260b	103	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 125229 **Matrix:** water
Client: Environmental Tech Group **Attn:** Matina Smith
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 2

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 125230 **Report Date:** 02/05/02
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 3
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:18
Date Sampled: 01/28/2002 **Time:** 16:19

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	J	0.6	108.1	115	96.6
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.4	102.9	106.8	101
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.5	113.9	117.9	111.1
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	2	102.5	106.6	100
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	0.7	98.5	111	83.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 3	**Report#/Lab ID#:** 125230 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 125230 **Matrix:** water
Client: Environmental Tech Group **Attn:** Matina Smith
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 3

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 125231 **Report Date:** 02/05/02
Project ID: TNM 97-23 EOT 2010C
Sample Name: MW 5
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:18
Date Sampled: 01/28/2002 **Time:** 16:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.6	108.1	115	96.6
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.4	102.9	106.8	101
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.5	113.9	117.9	111.1
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	2	102.5	106.6	100
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	0.7	98.5	111	83.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** MW 5	**Report#/Lab ID#:** 125231 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.4	80-120	---
Toluene-d8	8260b	98.6	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Tech Group
Attn: Matina Smith
Address: 4600 W. Wall
Midland, TX 79703

Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 125232 **Report Date:** 02/05/02
Project ID: TNM 97-23 EOT 2010C
Sample Name: EB 1
Sample Matrix: water
Date Received: 02/01/2002 **Time:** 10:18
Date Sampled: 01/28/2002 **Time:** 17:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		02/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.6	108.1	115	96.6
Ethylbenzene	<1	µg/L	1	<1	02/01/02	8260b	---	0.4	102.9	106.8	101
m,p-Xylenes	<1	µg/L	1	<1	02/01/02	8260b	---	1.5	113.9	117.9	111.1
o-Xylene	<1	µg/L	1	<1	02/01/02	8260b	---	2	102.5	106.6	100
Toluene	<1	µg/L	1	<1	02/01/02	8260b	---	0.7	98.5	111	83.8

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** TNM 97-23 EOT 2010C **Sample Name:** EB 1	**Report#/Lab ID#:** 125232 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.3	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

COC: 012 1434

CHAIN-OF-CUSTODY

ANALYSYS INC.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
Phone: (512) 444-5896
Fax: (512) 447-4766

Send Reports To:
Company Name E.T.G.E.
Address 4600 West Wall
City Midland State TX Zip 79703
ATTN: Matina Smith
Phone (915) 522 1139 Fax (915) 520-4310

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: TNM 97-23 EOT 2010C Sampler: Susan Casas

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B	Comments
MW 1	1-28-02	1600	2		X		125228	X	
MW 2		1545					125229		
MW 3		1619					125230		
MW 5		1640					125231		
EB 1		1700					125232		

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 6.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Susan Casas	EOTT	1/30/02	1200	E. Lee	ASI	2-1-02	10:18

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 130180 **Report Date:** 06/04/02
Project ID: TNM-97-23 EOT 2010C
Sample Name: MW 1
Sample Matrix: water
Date Received: 05/31/2002 **Time:** 09:40
Date Sampled: 05/21/2002 **Time:** 15:37

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		06/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/01/02	8260b	---	3.4	89.5	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/01/02	8260b	---	1.2	99.3	99.1	100
m,p-Xylenes	<1	µg/L	1	<1	06/01/02	8260b	---	2.4	98.8	99.9	100
o-Xylene	<1	µg/L	1	<1	06/01/02	8260b	---	1.9	99	98.9	99.2
Toluene	<1	µg/L	1	<1	06/01/02	8260b	---	4.4	92.6	95.8	94.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

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4221 Freidrich Lane,Suite 190, Austin, TX 78[illegible] &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM-97-23 EOT 2010C **Sample Name:** MW 1	**Report#/Lab ID#:** 130180 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.8	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 130181 **Report Date:** 06/04/02
Project ID: TNM-97-23 EOT 2010C
Sample Name: MW 2
Sample Matrix: water
Date Received: 05/31/2002 **Time:** 09:40
Date Sampled: 05/21/2002 **Time:** 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		06/01/02	8260b	---	---	---	---	---
Benzene	5.81	µg/L	1	<1	06/01/02	8260b	---	3.4	89.5	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/01/02	8260b	---	1.2	99.3	99.1	100
m,p-Xylenes	1.25	µg/L	1	<1	06/01/02	8260b	---	2.4	98.8	99.9	100
o-Xylene	<1	µg/L	1	<1	06/01/02	8260b	J	1.9	99	98.9	99.2
Toluene	1.39	µg/L	1	<1	06/01/02	8260b	---	4.4	92.6	95.8	94.6

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM-97-23 EOT 2010C **Sample Name:** MW 2	**Report#/Lab ID#:** 130181 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	102	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 130181 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: TNM-97-23 EOT 2010C
Sample Name: MW 2

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
o-Xylene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 130182 **Report Date:** 06/04/02
Project ID: TNM-97-23 EOT 2010C
Sample Name: MW 3
Sample Matrix: water
Date Received: 05/31/2002 **Time:** 09:40
Date Sampled: 05/21/2002 **Time:** 14:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		06/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/01/02	8260b	---	3.4	89.5	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/01/02	8260b	---	1.2	99.3	99.1	100
m,p-Xylenes	<1	µg/L	1	<1	06/01/02	8260b	---	2.4	98.8	99.9	100
o-Xylene	<1	µg/L	1	<1	06/01/02	8260b	---	1.9	99	98.9	99.2
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4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM-97-23 EOT 2010C **Sample Name:** MW 3	**Report#/Lab ID#:** 130182 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.4	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 130183 **Report Date:** 06/04/02
Project ID: TNM-97-23 EOT 2010C
Sample Name: MW 5
Sample Matrix: water
Date Received: 05/31/2002 **Time:** 09:40
Date Sampled: 05/21/2002 **Time:** 16:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		06/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/01/02	8260b	---	3.4	89.5	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/01/02	8260b	---	1.2	99.3	99.1	100
m,p-Xylenes	<1	µg/L	1	<1	06/01/02	8260b	---	2.4	98.8	99.9	100
o-Xylene	<1	µg/L	1	<1	06/01/02	8260b	---	1.9	99	98.9	99.2
Toluene	<1	µg/L	1	<1	06/01/02	8260b	---	4.4	92.6	95.8	94.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM-97-23 EOT 2010C **Sample Name:** MW 5	**Report#/Lab ID#:** 130183 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	103	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 130184 **Report Date:** 06/04/02
Project ID: TNM-97-23 EOT 2010C
Sample Name: EB 1
Sample Matrix: water
Date Received: 05/31/2002 **Time:** 09:40
Date Sampled: 05/21/2002 **Time:** 16:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		06/01/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/01/02	8260b	---	3.4	89.5	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/01/02	8260b	---	1.2	99.3	99.1	100
m,p-Xylenes	<1	µg/L	1	<1	06/01/02	8260b	---	2.4	98.8	99.9	100
o-Xylene	<1	µg/L	1	<1	06/01/02	8260b	---	1.9	99	98.9	99.2
Toluene	<1	µg/L	1	<1	06/01/02	8260b	---	4.4	92.6	95.8	94.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM-97-23 EOT 2010C **Sample Name:** EB 1	**Report#/Lab ID#:** 130184 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.1	80-120	---
Toluene-d8	8260b	100	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

COC #83

CHAIN-OF-CUSTODY

ANALYSYS INC.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
Phone: (512) 444-5896
Fax: (512) 447-4766

Send Reports To:
Company Name ETGI
Address 2540 W MARLAND
City HOBBS State NM Zip 88240
ATTN: KEN DUTTON
Phone (505) 397-4182 Fax (505) 397-4701

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: TNM 97-23 EOT 2010C Sampler: Simon Casas

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	3 TEX 8021B	Comments
MW 1	5/21/02	1537	4 2		X		130180	X	
MW 2		1500					130181		
MW 3		1415					130182		
MW 5		1600					130183		
EB 1		1615					130184		

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutant or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 0.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas	ETGI	5/30/02	1600	Melanie Humphrey	ASI	5/31/02	0940

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

AnalySys Inc.

FILE

3512 Montopolis Dr., Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 134051 **Report Date:** 10/02/02
Project ID: TNM 97 - 23 EOT 2010
Sample Name: MW 1
Sample Matrix: water
Date Received: 09/25/2002 **Time:** 09:45
Date Sampled: 09/19/2002 **Time:** 09:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/27/02	8260b	---	11.6	112.9	99.7	128.9
Ethylbenzene	<1	µg/L	1	<1	09/27/02	8260b	---	5.8	102.4	104.4	102.5
m,p-Xylenes	<1	µg/L	1	<1	09/27/02	8260b	---	4.5	96.6	100.3	98.2
o-Xylene	<1	µg/L	1	<1	09/27/02	8260b	---	3.1	96.2	100.6	98.3
Toluene	<1	µg/L	1	<1	09/27/02	8260b	---	9.9	89.8	100.4	98

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

3512 Montopolis Dr., Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** TNM 97 - 23 EOT 2010	**Report#/Lab ID#:** 134051
Attn: Ken Dutton	**Sample Name:** MW 1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	80-120	---
Toluene-d8	8260b	96.2	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 134052 **Report Date:** 10/02/02
Project ID: TNM 97 - 23 EOT 2010
Sample Name: MW 2
Sample Matrix: water
Date Received: 09/25/2002 **Time:** 09:45
Date Sampled: 09/19/2002 **Time:** 09:43

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/27/02	8260b	---	11.6	112.9	99.7	128.9
Ethylbenzene	<1	µg/L	1	<1	09/27/02	8260b	---	5.8	102.4	104.4	102.5
m,p-Xylenes	<1	µg/L	1	<1	09/27/02	8260b	---	4.5	96.6	100.3	98.2
o-Xylene	<1	µg/L	1	<1	09/27/02	8260b	---	3.1	96.2	100.6	98.3
Toluene	<1	µg/L	1	<1	09/27/02	8260b	---	9.9	89.8	100.4	98

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97 - 23 EOT 2010 **Sample Name:** MW 2	**Report#/Lab ID#:** 134052 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	94.7	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 134053 **Report Date:** 10/02/02
Project ID: TNM 97 - 23 EOT 2010
Sample Name: MW 3
Sample Matrix: water
Date Received: 09/25/2002 **Time:** 09:45
Date Sampled: 09/19/2002 **Time:** 10:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		09/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/27/02	8260b	---	11.6	112.9	99.7	128.9
Ethylbenzene	<1	µg/L	1	<1	09/27/02	8260b	---	5.8	102.4	104.4	102.5
m,p-Xylenes	<1	µg/L	1	<1	09/27/02	8260b	---	4.5	96.6	100.3	98.2
o-Xylene	<1	µg/L	1	<1	09/27/02	8260b	---	3.1	96.2	100.6	98.3
Toluene	<1	µg/L	1	<1	09/27/02	8260b	---	9.9	89.8	100.4	98

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Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.
3512 Montopolis Dr., Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97 - 23 EOT 2010 **Sample Name:** MW 3	**Report#/Lab ID#:** 134053 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.1	80-120	---
Toluene-d8	8260b	96.8	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

3512 Montopolis Dr., Austin, TX 787[illegible]
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 134054 **Report Date:** 10/02/02
Project ID: TNM 97 - 23 EOT 2010
Sample Name: MW 5
Sample Matrix: water
Date Received: 09/25/2002 **Time:** 09:45
Date Sampled: 09/19/2002 **Time:** 10:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/27/02	8260b	---	11.6	112.9	99.7	128.9
Ethylbenzene	<1	µg/L	1	<1	09/27/02	8260b	---	5.8	102.4	104.4	102.5
m,p-Xylenes	<1	µg/L	1	<1	09/27/02	8260b	---	4.5	96.6	100.3	98.2
o-Xylene	<1	µg/L	1	<1	09/27/02	8260b	---	3.1	96.2	100.6	98.3
Toluene	<1	µg/L	1	<1	09/27/02	8260b	---	9.9	89.8	100.4	98

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Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97 - 23 EOT 2010 **Sample Name:** MW 5	**Report#/Lab ID#:** 134054 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99	80-120	---
Toluene-d8	8260b	96.5	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

3512 Montopolis Dr., Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 134055 **Report Date:** 10/02/02
Project ID: TNM 97 - 23 EOT 2010
Sample Name: EB 1
Sample Matrix: water
Date Received: 09/25/2002 **Time:** 09:45
Date Sampled: 09/19/2002 **Time:** 10:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/27/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/27/02	8260b	---	11.6	112.9	99.7	128.9
Ethylbenzene	<1	µg/L	1	<1	09/27/02	8260b	---	5.8	102.4	104.4	102.5
m,p-Xylenes	<1	µg/L	1	<1	09/27/02	8260b	---	4.5	96.6	100.3	98.2
o-Xylene	<1	µg/L	1	<1	09/27/02	8260b	---	3.1	96.2	100.6	98.3
Toluene	<1	µg/L	1	<1	09/27/02	8260b	---	9.9	89.8	100.4	98

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** TNM 97 - 23 EOT 2010 **Sample Name:** EB 1	**Report#/Lab ID#:** 134055 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	96.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

COC: 168

CHAIN OF CUSTODY

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
Phone (512) 444-5896
Fax (512) 442-4766

Send Reports To:
Company Name E.T.G.I.
Address 2560 W. MARLAND
City HOBBS State NM Zip 88240
ATTN: GLEN DUTTON
Phone (505) 397-8582 Fax (505) 397-4701

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: TNM 97-23 Sampler: Manuela Campos
EOT - 2010

Analyses Requested (1)
Please attach explanation/information as required

Client Sample No. / Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B	Comments
mw 1	9-19-02	0915	2		X		134051	X	
mw 2		0943					134052		
mw 3		1030					134053		
mw 5		1010					134054		
EB-1		1040					134055		

(1) Unless specifically requested otherwise on this Chain of Custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported for ASI's normal reporting limits. For TCLP, Ten Day C.L.P. volatiles and extractables, unless specific analytical parameter lists are specified on this chain of custody or attached to this chain of custody, ASI will default to Priority Pollutant or ASP+A list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 2-5 °C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Manuela Campos	E.T.G.I.	9-24-02	1030	Melanie Humphry	ASI	9/25/02	0945

FILE

ANALYSYS INC.
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137516 **Report Date:** 12/26/02
Project ID: TNM 97-23 EO 2010
Sample Name: MW 1
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 13:48

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/20/02	8260b	---	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/20/02	8260b	---	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/20/02	8260b	---	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/20/02	8260b	---	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/20/02	8260b	---	12.9	101	90.1	88.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Robert Edison	**Project ID:** TNM 97-23 EO 2010 **Sample Name:** MW 1	**Report#/Lab ID#:** 137516 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85	80-120	---
Toluene-d8	8260b	98.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137517 **Report Date:** 12/26/02
Project ID: TNM 97-23 EO 2010
Sample Name: MW 2
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 14:13

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/20/02	8260b	---	---	---	---	---
Benzene	**5.15**	µg/L	1	<1	12/20/02	8260b	---	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/20/02	8260b	---	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/20/02	8260b	J	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/20/02	8260b	J	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/20/02	8260b	J	12.9	101	90.1	88.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** TNM 97-23 EO 2010	**Report#/Lab ID#:** 137517
Attn: Robert Edison	**Sample Name:** MW 2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.1	80-120	---
Toluene-d8	8260b	97.7	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 137517 **Matrix:** water
Client: Environmental Tech Group **Attn:** Robert Edison
Project ID: TNM 97-23 EO 2010
Sample Name: MW 2

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137518 **Report Date:** 12/26/02
Project ID: TNM 97-23 EO 2010
Sample Name: MW 3
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 15:19

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/20/02	8260b	---	---	---	---	---
Benzene	2.26	µg/L	1	<1	12/20/02	8260b	---	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/20/02	8260b	J	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/20/02	8260b	J	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/20/02	8260b	---	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/20/02	8260b	J	12.9	101	90.1	88.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Robert Edison	**Project ID:** TNM 97-23 EO 2010 **Sample Name:** MW 3	**Report#/Lab ID#:** 137518 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.1	80-120	---
Toluene-d8	8260b	96.4	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 137518 **Matrix:** water
Client: Environmental Tech Group **Attn:** Robert Edison
Project ID: TNM 97-23 EO 2010
Sample Name: MW 3

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137519 **Report Date:** 12/26/02
Project ID: TNM 97-23 EO 2010
Sample Name: MW 5
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 14:54

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/20/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/20/02	8260b	---	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/20/02	8260b	---	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/20/02	8260b	---	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/20/02	8260b	---	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/20/02	8260b	---	12.9	101	90.1	88.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Robert Edison	**Project ID:** TNM 97-23 EO 2010 **Sample Name:** MW 5	**Report#/Lab ID#:** 137519 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	82.7	80-120	---
Toluene-d8	8260b	99.2	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Edison
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 137520 **Report Date:** 12/26/02
Project ID: TNM 97-23 EO 2010
Sample Name: EB 1
Sample Matrix: water
Date Received: 12/18/2002 **Time:** 14:30
Date Sampled: 12/16/2002 **Time:** 15:26

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/19/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/19/02	8260b	---	7.9	88.5	86.6	80.3
Ethylbenzene	<1	µg/L	1	<1	12/19/02	8260b	---	3.7	111.2	111.2	105.4
m,p-Xylenes	<1	µg/L	1	<1	12/19/02	8260b	---	5.7	108.3	107.3	99.7
o-Xylene	<1	µg/L	1	<1	12/19/02	8260b	---	4.6	112.2	110.7	105.4
Toluene	<1	µg/L	1	<1	12/19/02	8260b	---	12.9	101	90.1	88.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Robert Edison	**Project ID:** TNM 97-23 EO 2010 **Sample Name:** EB 1	**Report#/Lab ID#:** 137520 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	81.8	80-120	---
Toluene-d8	8260b	98	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

4658

CHAIN-OF-CUSTODY

AnalySys Inc.

4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

COC: 213

Send Reports To:
Company Name E.T.G.I.
Address 2540 W. Marland
City Hobbs State NM Zip 88240
ATTN: Robert Ellis
Phone 505 397-1882 Fax 505-397-4701

Bill to (if different):
Company Name
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: Ippa 97-23 Sampler: Manuel Campos
50 2910

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8260B	Comments
MW 1	12/16/02	1348	2		X		137516	X	
MW 2		1413					137517		
MW 3		1519					137518		
MW 5		1454					137519		
E-13-1		1526					137520		

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/POL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 4.1°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Manuel Campos	E.T.G.I.	12/17/02	0939	Melanie Humphrey	ASI	12/18/02	14:30

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 139986 **Report Date:** 03/07/03
Project ID: EO 2010
Sample Name: WE972322403MW-1
Sample Matrix: water
Date Received: 02/28/2003 **Time:** 14:30
Date Sampled: 02/24/2003 **Time:** 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		03/06/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.4	70.2	100.2	70.1
Ethylbenzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.7	102.8	97.8	104.1
m,p-Xylenes	<1	µg/L	1	<1	03/06/03	8260b	---	1	95.3	89	96.9
o-Xylene	<1	µg/L	1	<1	03/06/03	8260b	---	6.6	101.5	102.7	126.6
Toluene	<1	µg/L	1	<1	03/06/03	8260b	---	4	90.9	84.3	87.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** EO 2010	**Report#/Lab ID#:** 139986
Attn: Robert Eidson	**Sample Name:** WE972322403MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	107	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 139987 **Report Date:** 03/07/03
Project ID: EO 2010
Sample Name: WE972322403MW-2
Sample Matrix: water
Date Received: 02/28/2003 **Time:** 14:30
Date Sampled: 02/24/2003 **Time:** 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		03/06/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.4	70.2	100.2	70.1
Ethylbenzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.7	102.8	97.8	104.1
m,p-Xylenes	<1	µg/L	1	<1	03/06/03	8260b	---	1	95.3	89	96.9
o-Xylene	<1	µg/L	1	<1	03/06/03	8260b	---	6.6	101.5	102.7	126.6
Toluene	<1	µg/L	1	<1	03/06/03	8260b	---	4	90.9	84.3	87.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** EO 2010	**Report#/Lab ID#:** 139987
Attn: *Robert Eidson*	**Sample Name:** WE972322403MW-2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	102	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 139988 **Report Date:** 03/07/03
Project ID: EO 2010
Sample Name: WE972322403MW-3
Sample Matrix: water
Date Received: 02/28/2003 **Time:** 14:30
Date Sampled: 02/24/2003 **Time:** 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		03/06/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.4	70.2	100.2	70.1
Ethylbenzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.7	102.8	97.8	104.1
m,p-Xylenes	<1	µg/L	1	<1	03/06/03	8260b	---	1	95.3	89	96.9
o-Xylene	<1	µg/L	1	<1	03/06/03	8260b	---	6.6	101.5	102.7	126.6
Toluene	<1	µg/L	1	<1	03/06/03	8260b	---	4	90.9	84.3	87.5

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Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Robert Eidson	**Project ID:** EO 2010 **Sample Name:** WE972322403MW-3	**Report#/Lab ID#:** 139988 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	94.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 139989 **Report Date:** 03/07/03
Project ID: EO 2010
Sample Name: WE972322403MW-5
Sample Matrix: water
Date Received: 02/28/2003 **Time:** 14:30
Date Sampled: 02/24/2003 **Time:** 16:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		03/06/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.4	70.2	100.2	70.1
Ethylbenzene	<1	µg/L	1	<1	03/06/03	8260b	---	0.7	102.8	97.8	104.1
m,p-Xylenes	<1	µg/L	1	<1	03/06/03	8260b	---	1	95.3	89	96.9
o-Xylene	<1	µg/L	1	<1	03/06/03	8260b	---	6.6	101.5	102.7	126.6
Toluene	<1	µg/L	1	<1	03/06/03	8260b	---	4	90.9	84.3	87.5

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** EO 2010	**Report#/Lab ID#:** 139989
Attn: Robert Eidson	**Sample Name:** WE972322403MW-5	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	94.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

CHAIN-OF-CUSTODY

5352

ANALYSYS INC.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5806

Send Reports to:
Company Name E.T.G.I.
Address 2548 W. Marland
City Hobbs State NM Zip 88240
ATTN: Robert Eidson
Phone 505-397-4882 Fax 505-397-4901

Bill to (if different):
Company Name Eott
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: EO 2010 Sampler:

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B	Comments
WE9723 22403 mw-1	2-24-03	9:30	2		X		139986	X	
WE9723 22403 mw-2	2-24-03	11:30	2		X		139987	X	
WE9723 22403 mw-3	2-24-03	2:00	2		X		139988	X	
WE9723 22403 mw-5	2-24-03	4:00	2		X		139989	X	

1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutant + ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T = 5.6°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
	ETGI	2-24-03		Melanie Humphrey	ASI	2/28/03	14:30

Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.

ANALYSYS INC

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(512) 385-5886 • FAX (512) 385-7411

FILE

Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 143245 **Report Date:** 06/03/03
Project ID: EO 2010
Sample Name: MW-1
Sample Matrix: water
Date Received: 05/28/2003 **Time:** 15:20
Date Sampled: 05/20/2003 **Time:** 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

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ANALYSYS INC
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** EO 2010	**Report#/Lab ID#:** 143245
Attn: *Robert Eidson*	***Sample Name:*** MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	103	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 143246 **Report Date:** 06/03/03
Project ID: EO 2010
Sample Name: MW-2
Sample Matrix: water
Date Received: 05/28/2003 **Time:** 15:20
Date Sampled: 05/20/2003 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	**Project ID:** EO 2010	**Report#/Lab ID#:** 143246
Attn: Robert Eidson	**Sample Name:** MW-2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.1	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 143247 **Report Date:** 06/03/03
Project ID: EO 2010
Sample Name: MW-3
Sample Matrix: water
Date Received: 05/28/2003 **Time:** 15:20
Date Sampled: 05/20/2003 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Robert Eidson	**Project ID:** EO 2010 **Sample Name:** MW-3	**Report#/Lab ID#:** 143247 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.1	80-120	---
Toluene-d8	8260b	102	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 143248 **Report Date:** 06/03/03
Project ID: EO 2010
Sample Name: MW-4
Sample Matrix: water
Date Received: 05/28/2003 **Time:** 15:20
Date Sampled: 05/20/2003 **Time:** 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

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Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group ***Attn:*** *Robert Eidson*	**Project ID:** EO 2010 ***Sample Name:*** MW-4	**Report#/Lab ID#:** 143248 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.9	80-120	---
Toluene-d8	8260b	106	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 143249 **Report Date:** 06/03/03
Project ID: EO 2010
Sample Name: MW-5
Sample Matrix: water
Date Received: 05/28/2003 **Time:** 15:20
Date Sampled: 05/20/2003 **Time:** 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/30/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/30/03	8260b	---	0.9	87.7	83.8	89.5
Ethylbenzene	<1	µg/L	1	<1	05/30/03	8260b	---	2.2	96.4	92.3	98.7
m,p-Xylenes	<1	µg/L	1	<1	05/30/03	8260b	---	1	100.4	95.3	103.3
o-Xylene	<1	µg/L	1	<1	05/30/03	8260b	---	0.8	98.7	94.6	106.6
Toluene	<1	µg/L	1	<1	05/30/03	8260b	---	0.4	96	89.8	99.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Robert Eidson	**Project ID:** EO 2010 **Sample Name:** MW-5	**Report#/Lab ID#:** 143249 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.2	80-120	---
Toluene-d8	8260b	103	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

CHAIN-OF-CUSTODY

WWW.ANALYSYSINC.COM

AnalySys Inc.

3512 Montopolis Drive, Austin, TX 78744
Phone: (512) 385-5886 Fax: (512) 385-7411

2209 N.P.I.D., Ste K, Corpus Christi, TX 7840
Phone: (361) 289-6384 Fax: (361) 289-0875

Send Reports To:
Company Name Environmental Technology Group Inc.
Address 2540 W. Marland
City Hobbs State N.M. Zip 88240
ATTN: Robert Eidson
Phone (505) 397-4882 Fax (505) 397-4701

Bill to (if different):
Company Name Ett
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: EO 2010 Sampler: Justin Frisk

Analyses Requested (1)
Please attach explanatory information as require

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B	Comments
MW-1	5-20-03	10:00	2		+		143245	+	
MW-2	5-20-03	11:00	2		+		143246	+	
MW-3	5-20-03	12:00	2		+		143247	+	
MW-4	5-20-03	1:00	2		+		143248	+	
MW-5	5-20-03	2:00	2		+		143249	+	

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reportin limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T=4.7°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
	ETGI	5-20-03		Melanie Humphrey	ASI	5/28/03	15:20

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

APPENDIX C

Water Well Search

lexico Office of the State Engineer
Vell Reports and Downloads

37E Sections: 10,11,12,13,14,15,22,23,24

Zone: Search Radius:

Number: Suffix:

(Last) Non-Domestic Domestic All

Avg Depth to Water Report | Water Column Report

orm | WATERS Menu | Help

3

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest X Y are in Feet UTM are in Meters)

mber	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northir
87 DCL		22S	37E	24	1	3	3				13	676515	35837(
89 DCL		22S	37E	13	1	1	4				13	676680	358571
95 DCL		22S	37E	12	1	1	4				13	676652	358732
99 DCL		22S	37E	14	2	4	2				13	676285	35855(
13 DCL		22S	37E	15	3	3	3				13	673285	35844E
81 DCL		22S	37E	22	4	1	3				13	674108	35832E
82 DCL		22S	37E	22	4	3	3				13	674114	35828E
83 DCL		22S	37E	22	4	1	3				13	674108	35832E
55 EXP		22S	37E	14	2	2					13	676179	358581
581	Shallow	22S	37E	14	2	2	2				13	676278	358591
581 EXP		22S	37E	14	2	2	2				13	676278	358591
662	Shallow	22S	37E	15	1	3	3				13	673271	35852E
673 EXP		22S	37E	15	2	2					13	674570	35857E
674	Shallow	22S	37E	15	1	1					13	673366	35857E
675	Shallow	22S	37E	15	1	2	2				13	673866	35858E
679	Shallow	22S	37E	15	3	3					13	673386	35845E
684	Shallow	22S	37E	15	1	1					13	673366	35857E
699	Shallow	22S	37E	15	1						13	673573	35855E
706	Shallow	22S	37E	24	3	1	3				13	676522	35833(
708	Shallow	22S	37E	15							13	673989	35851E
709	Shallow	22S	37E	15	3	4	2				13	673887	35846E

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 22S Range: 37E Sections: 10,11,12,13,14,15,22,23,24

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 07/22/2003

							(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	22S	37E	14				1	65	65	65
CP	22S	37E	15				7	75	185	125
CP	22S	37E	24				1	60	60	60

Record Count: 9

APPENDIX D

Release Notification Form (C-141)

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 South First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
[illegible], NM 87410
District IV - (505) 827-7131

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-141
Originated 2/13/97

Submit 2 copies to Appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action
OPERATOR
☒ Initial Report ☐ Final Report

Name	Contact
Texas-New Mexico Pipe Line Company	Edwin H. Gripp
Address	**Telephone No.**
Box 60028, San Angelo, TX 76906	(915) 947-9000
Facility Name	**Facility Type**
14" main line	pipe line

Surface Owner	Mineral Owner	Lease No.
L. V. Jones Estate		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	14	22S	37E					Lea

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Sour crude	617 barrels	400 barrels
Source of Release	**Date and Hour of Occurrence**	**Date and Hour of Discovery**
14" main line	Unknown	10-22-97 11:45 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?**	
	Bonnie Prichard	
By Whom?	**Date and Hour**	
Johnny W. Chapman	10-22-97 2:30 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse.**	
	—	

If a Watercourse was Impacted, Describe Fully.*

—

Describe Cause of Problem and Remedial Action Taken.*

Internal Corrosion

Describe Area Affected and Cleanup Action Taken.*

17385 sq. ft. pasture land. On site remediation.

Describe General Conditions Prevailing (Temperature, Precipitation, etc.).*

70° Cloudy Dry

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
Signature:

Printed Name: Edwin H. Gripp
Title: District Manager
Date: Phone: 915-947-9001

OIL CONSERVATION DIVISION

Approved by District Supervisor:
Approval Date: Expiration Date:
Conditions of Approval: Attached ☐

* Attach Additional Sheets If Necessary

State Corp. Commission
Pipe Line Division

Hazardous Waste Section
NM Environmental Improvement Div.

JWC JAS TNM-97-23