AP - 007

STAGE 1 & 2 WORKPLANS

DATE:

Sept. 2002

AP-07

STAGE II ABATEMENT PLAN

DARR ANGELL NO. 2 SITE
Lea County, New Mexico
SW ¼ of the SE ¼ of Section 11, Township 15 South, Range 37 East
NW ¼ of the NE ¼ of Section 14, Township 15 South, Range 37 East
Latitude North 33° 01′ 47.0″
Longitude West 103° 10′ 10.7″

Prepared For:
EOTT Energy Corp.
5805 East Highway 80
Midland, Texas 79701

ETGI Project # EO 2020

Prepared By:
Environmental Technology Group, Inc.
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September 2002

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1.0 INTRODUCTION AND SITE BACKGROUND

The site is located approximately 11.2 miles east of the town of Lovington, New Mexico on State Highway 82 in the SW ¼ of the SE ¼ of Section 11, Township 15 South, Range 37 East and the NW ¼ of the NE ¼ of Section 14, Township 15 South, Range 37 East. For reference, a site location, site map and most current groundwater gradient map, are provided as Figures 1, 2, and 3, respectively. The on-site crude oil release was attributed to structural failure due to external corrosion on the 8-inch steel pipeline currently operated by EOTT Energy Corp. (EOTT). The release was reported to the New Mexico Oil Conservation Division (NMOCD) on July 29, 1999. No information concerning volume estimates of released product is available.

A total of 10 groundwater monitor wells, one of which (MW-2) has subsequently been retrofitted with a phase separated hydrocarbon (PSH) skimming device, and 2 PSH recovery wells are currently on-site. The three wells are currently recovering PSH are connected to an automated product recovery system consisting of pneumatic skimming pumps piped to above ground poly-tanks. The recovered PSH is periodically transported to the TNM 97-04 release site and transferred to a high 500-gallon tank for temporary storage. The PSH is then reintroduced into the EOTT transportation system. PSH recovery action began 01 September 2001 and as of 10 June 2002, 325 gallons of crude oil has been recovered from the site. Environmental Technology Group, Inc. (ETGI) is submitting this Stage II Abatement Plan to propose additional response actions designed to complete removal of PSH from the water table aquifer and to achieve site closure as set forth by the State of New Mexico under the New Mexico Administrative Code (NMAC) Rule 19 standards. The regulatory basis for this Stage II Abatement Plan is NMAC Rule 19 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 consists primarily of loose to packed sand with caliche distributed intermittently and irregularly across the section; a discontinuous, well-indurated sand unit with calcareous cement, varying in thickness from one to five feet, occurs irregularly at depths of approximately 8 to 10 feet and 28 to 33 feet below grade surface (bgs) across the site;
- Groundwater at this site occurs at depths of approximately 57 to 66 feet bgs as measured from the top of the well casings (Table 1); Review of the water well database found on the New Mexico Office of the State Engineer's website indicates that there are no agricultural, stock or domestic water sources located within 1,000 feet of the site location;
- There are no natural surface bodies of water within a one-mile radius of the site;
- The groundwater gradient, as measured during groundwater monitoring events conducted quarterly at the site, is to the southeast at approximately 0.002 ft/ft.;
- A PSH plume is distributed in an oval pattern emanating from the release point area; trending in a southeasterly (down gradient) direction corresponding with the contours of the groundwater gradient map, indicating that the primary method of contaminant transportation at the site is a combination of advective and dispersive processes;

- Review of the annual groundwater monitoring reports indicates that the PSH plume is expanding.

2.0 SUMMARY OF RECENT FIELD ACTIVITIES

Activities described in this Stage II Abatement Plan are subsequent to those described in the *Site Investigation Report* dated June 2001. ETGI supervised the excavation of hydrocarbon impacted soil remaining on the walls of the initial excavation until headspace readings registered less than or equal to 10 parts per million (ppm) on a Photoionization detector (PID) (Appendix C). Quarterly groundwater monitoring and annual reporting have been conducted at the site since June 2000. Groundwater monitor wells MW-5, MW-6, MW-7, MW-8 and MW-9 were installed in September 2001 and monitor well MW-10 was installed in February 2002 to further delineate hydrocarbon impacts to the soil and groundwater at the site. Boring logs of these recently installed wells are included in Appendix A. Results of the laboratory analysis of soil sampling conducted during monitor well installation activities are included in Table 2 and laboratory reports generated from monitor well installation activities are included as Appendix B. The automated PSH recovery system on-site is monitored on a weekly basis for scheduled operation and maintenance tasks including recovered product tank gauging, compressor condensate drainage, hose and fitting inspection and inspection of the general site appearance. The recovered product is evacuated as needed by ETGI field technicians, transported to the TNM 97-04 release site and transferred to a high 500-gallon tank for temporary storage. The PSH is then reintroduced into the EOTT transportation system. As of June 10, 2002, the on-site automated recovery system has recovered approximately 325 gallons of PSH.

3.0 ABATEMENT OPTIONS

3.1 Soil Abatement Options

Soil impacted above the applicable NMOCD regulatory standard for TPH at this site, as presented in the *Site Investigation Report*, June 2001, was identified on the sidewalls of the excavation and at depth in the following recovery well/monitor well locations: RW-1 (10'-15', and 50'-60'), RW-2 (10'-20' and 50'-65'), MW-2 (55'-65'), and MW-6 (42'-47'), (Table 2). The excavation sidewalls were over excavated until the soil remaining in place registered less than or equal to 10 ppm on a PID (Figure 2). As outlined in the "Request to Backfill Excavation" letter to the NMOCD dated March 11, 2002, the excavation was partially backfilled utilizing caliche rock which had been separated from the stockpiled soil during the screening and shredding operation (Appendix C). Unimpacted topsoil will be purchased from the landowner and utilized to complete the excavation backfilling process. Soil remaining in place exceeding the regulatory standard for TPH at this site is located below the former excavation bottom and in the capillary fringe in the area of the wells listed above. Due to the excessive depth to these impacted soils, the presence of excavation restrictive caliche units and the prohibitive volume of non-impacted overburden soil required to access this area, no additional soil specific abatement program is planned for this site. Two of the groundwater remedial technologies addressed in Section 3.2 of this Abatement Plan will also affect impacted soil located at depth on-site. At this time no further specific soil remedial action is planned at this

site.

3.2 Groundwater Abatement Options

The site is currently impacted by PSH in three of the on-site recovery/monitor wells, RW-1, RW-2 and MW-2. Monitor well MW-2 has been retrofitted with a PSH skimming pump and is connected to an automated product recovery system including the two recovery wells. Review of the site gauging data indicates that the PSH plume is expanding down gradient and that additional product recovery wells will be required to stabilize the plume and complete recovery of the PSH. Five additional PSH recovery wells will be installed in positions as shown on Figure 5. Installation of the new PSH recovery wells will begin in the northwestern portion of the plume area and progress southeasterly. When field evidence collected during the well installation procedure indicates that the southeastern extent of the plume has been reached, well installation action will conclude. The wells will be fitted with pneumatic product skimming pumps and integrated with the existing automated recovery system. While PSH is being recovered from the site additional groundwater remediation technologies will not be enacted. Aquifer testing methods commonly utilized at contaminated groundwater sites, slug testing and draw down pumping tests, are not typically conducted in the presence of PSH. Review of the Groundwater Chemistry Historical Table, (Table 3) indicates that a dissolved phase benzene concentration has been recorded at groundwater monitor well MW-4. Benzene is the most soluble component of the BTEX constituents and its presence in the area of MW-4 may be interpreted as the plume expanding into this down gradient area. The additional PSH recovery wells proposed previously in this paragraph should abate continued plume migration. Once PSH recovery action has been completed at the impacted wells on-site, groundwater sampling for BTEX constituents will begin or resume at these locations. As the former source area, it is anticipated that dissolved phase benzene concentrations in groundwater in these areas will also be excessive. Four additional groundwater monitor wells will be installed to delineate the dissolved phase BTEX plume (Figure 5).

An accurate estimate of the hydraulic properties of the contaminated aquifer materials will require completion of a 24-hour steady state draw down test. Analysis of the data gathered from aquifer testing 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 will also be conducted.

Upon completion of PSH recovery action and aquifer testing, abatement of the impacted groundwater on-site is technically feasible using the following technologies:

Groundwater Pump and Treat;
In-Situ Groundwater Bioremediation and Soil Vapor Extraction;
Air Sparging and Soil Vapor Extraction, and;
Human-Health Based Risk Assessment.

The pump and treat technology recommended at this site would employ air strippers, granulated activated carbon, ultraviolet radiation or other removal methods to remove

dissolved BTEX constituents from the groundwater. Hydraulic conductivity values expected from the loose, unconsolidated sands found in the area should support a relatively expanded range of groundwater withdrawal rates. As the project matures, withdrawal rates would be varied in response to shifting contaminants of concern (COC) concentration foci in an effort to maximize system utilization.

One of three scenarios typically develops when employing this technology. Either the volume of water moved is inadequate to control the water table and the dissolved phase plume is not captured, or the required amount of water is moved and the volume of water overwhelms the treatment system. Also, the water table rapidly returns to its natural state when the system is down for repair or maintenance, resulting in periodic loss of control of the plume. It is difficult to estimate the required duration of these systems and the associated maintenance cost. A condition referred to as rebound frequently occurs at pump and treat sites following termination of pumping actions. The process of obtaining hydraulic control at a site with a pump and treat system necessarily entails a lowering of the water table on site. An unpredictable volume of hydrocarbon materials remain bound to the soil within the capillary fringe as the groundwater elevations are lowered. When groundwater levels return to normal following system shut down the residual hydrocarbon materials trapped in the soil are liberated by the rising water levels and reimpact the site groundwater.

The second option for remediation of impacted groundwater at this site involves the combination of two currently accepted treatment technologies. In-situ bioremediation (ISBIO) has been shown to be an effective groundwater remediation technology for the full range of dissolved phase petroleum hydrocarbons identified on-site. To increase the efficiency of site groundwater remediation, the ISBIO technology will be combined with soil vapor extraction technology (SVE). Utilizing these remedial technologies simultaneously will treat petroleum constituents in the unsaturated and saturated zones. SVE treatment technology is appropriate for applications at crude oil release sites with elevated BTEX constituents dissolved in the groundwater, therefore, SVE is considered a reliable treatment alternative at this site.

With a typical ISBIO remediation system, groundwater is extracted using one or more wells and, if necessary, treated to remove residual dissolved constituents. The treated groundwater is then mixed with an electron acceptor (oxygen and/or nitrogen) and nutrients, and other constituents if required, and re-injected upgradient of or within the contaminant source area. Infiltration galleries or injection wells may be used as re-injection methods. In an ideal configuration, a "closed-loop" system would be established. All water extracted would be re-injected without treatment and all remediation would occur in-situ. This ideal system would continuously circulate the water until cleanup levels have been achieved. Groundwater monitor wells in the area would be used to monitor and verify the success of the treatment process.

Data obtained from the 24-hour steady state draw down test will be used to determine the hydraulic conductivity, storage coefficient and transmissivity of the impacted aquifer materials. An accurate estimate of these parameters is necessary to estimate groundwater characteristics utilizing modeling routines. These characteristics will also be used to define the distribution of electron acceptors (oxygen and/or nitrogen) and nutrients introduced to the

effected aquifer. Additional parameters required to determine if ISBIO technology is applicable at the site are the type and relative abundance of indigenous microorganisms, total dissolved solids, total organic carbon, biological oxygen demand, carbon dioxide and the pH of on-site groundwater. A review of field data obtained during quarterly groundwater sampling events on-site will be conducted in order to determine the relative pH of the groundwater.

If analysis of the steady-state draw down test and additional water quality data indicate that ISBIO and SVE technologies are appropriate at this site, pilot testing of both technologies will be conducted in the vicinity of the highest COC concentrations. Skid mounted treatment units will be employed during the pilot testing. If possible, existing groundwater monitor wells will be utilized as injection wells. All of the monitor wells currently installed on-site are fitted with 2-inch schedule 40 PVC well materials. Because of the increased annular capacity required by SVE extraction wells, two to four additional wells will be installed and fitted with 4-inch schedule 40 PVC well materials prior to pilot testing. Location, spacing and depth parameters of the extraction wells will be determined from analysis of the draw down and pilot testing data. SVE extraction wells installed in this area will be used to determine/demonstrate the calculated and measured zone of influence of extraction wells in this substrate. Groundwater extraction rates, electron acceptor and nutrient injection rates and wellhead vacuum will be closely monitored, analyzed and varied over the duration of the test. Depending upon results achieved it is expected that the duration of the pilot testing program will be approximately 3 to 6 months. Analysis of the pilot testing results will be used to design and subsequently install a remediation system utilizing the ISBIO and SVE technologies. Installation of injection and extraction wells will be done incrementally to optimize the configuration. Details of system operation and maintenance requirements will be determined in the final system design process.

The third remedial technology considered for this site is the utilization of the combination of Air Sparging and Vacuum/Vapor Extraction technologies (AS/VE). Air Sparging treats the groundwater by stripping or volatilizing the BTEX constituents out of the dissolved phase and also by increasing in-situ biodegradation of BTEX constituents 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 screened at these depths induce pressure gradients in the vadose zone, capturing the gaseous phase BTEX constituents for removal and treatment on the surface (Figure 6). A long-term groundwater monitoring program would be conducted to monitor concentrations of dissolved phase BTEX constituents during site AS/VE treatment.

A single injection well pilot test will be conducted to test the applicability of this technology at this site. A skid mounted compressor and vapor treatment unit as well as three vadose zone monitor 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 analysis of the AS/VE pilot test data indicates that this technology is feasible, a system well field configuration as shown on Figure 6 is proposed. Installation of injection

and extraction wells will be conducted incrementally to optimize the well field configuration. The 2-inch, schedule 40 PVC injection wells will penetrate the saturated zone with approximately 5 feet of fully immersed, 0.020-inch slotted pipe. Air compressors will be utilized to generate the required air pressure for injection purposes. The vapor recovery (VR) well field design is analogous to that of the injection well configuration with the exception that the terminus of these wells will be located just above the approximate capillary fringe. Down-hole construction details of the VR wells includes an approximate 20 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. A generalized system schematic of an AS/VE system is provided for reference as Figure 7. 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 dissolved oxygen, carbon dioxide, sulfates, nitrate and methane concentrations and the pulsing frequency, if applicable.

The fourth 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 TPH concentrations present in the soil and BTEX constituents present in 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. This prevents future consideration of development or improvements on this property. Deed restriction documentation will be filed at the county clerk's office, Lovington, Lea County, New Mexico.

4.0 GROUNDWATER MONITORING

All site monitor wells will be gauged and sampled on a continuing quarterly basis. Each well will be monitored for the presence of PSH and/or depth to groundwater. All of the groundwater monitor 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 6.2, 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.

5.0 SUMMARY AND CONCLUSIONS

A total of 10 groundwater monitor wells, one of which (MW-2) has subsequently been retrofitted with a PSH skimming device, and 2 PSH recovery wells are currently on-site. The three wells currently recovering PSH are connected to an automated product recovery system. ETGI is submitting this Stage II Abatement Plan to propose additional response actions designed to complete removal of PSH from the water table aquifer and to achieve site closure as set forth by the State of New Mexico under NMAC Rule 19 standards.

Based on the field data, the average depth to groundwater at the site is approximately 58 to 66 feet bgs. Data from the New Mexico State Engineer's Office indicate that the average depth to groundwater in the general area is XX feet bgs. There are no water wells located within 1,000 feet of the site or currently impacted by this release.

Utilization of Air Sparging and Vacuum/Vapor Extraction technology is recommended because of its cost effectiveness and the applicability of this treatment technology to remove BTEX constituents dissolved in groundwater and to enhance bioremediation of these constituents in the soil. As discussed in Section 3.2, Air Sparging treats the groundwater by stripping or volatilizing the BTEX constituents out of the dissolved phase and also by increasing in-situ biodegradation of BTEX constituents 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 screened at these depths induce pressure gradients in the vadose zone, capturing the gaseous phase BTEX constituents for removal and treatment on the surface. A long-term groundwater monitoring program would be conducted to monitor concentrations of dissolved phase BTEX constituents during site AS/VE treatment.

A single injection well pilot test will be conducted to test the applicability of this technology at this site. If analysis of the AS/VE pilot test data indicates that this technology is feasible, a system well field configuration as shown on Figure 6 is proposed. Installation of injection and extraction wells will be conducted incrementally to optimize the well field configuration. 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 system pulsing frequency.

6.0 QA/QC PROCEDURES

6.1 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 disposable sample

bag. The bag will be labeled and sealed for headspace analysis using a PID calibrated to a 100-ppm isobutylene standard. Each screening sample will be allowed to volatilize for approximately thirty minutes at ambient temperature prior to conducting the 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. Upon selection of samples for analysis, the cooler will be 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 and analyzed within fourteen days following the collection date for BTEX and TPH analyses using the methods described below:

- BTEX concentrations in accordance with EPA SW 846 Method 8021B, 5030, and;
- TPH concentrations in accordance with EPA SW 846 Method 8015M GRO/DRO.

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.

6.2 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 and PAH containers second).

Groundwater samples collected for BTEX analyses 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.

The groundwater samples will be analyzed as follows:

- BTEX constituents using EPA Method SW 846-8260;

- Total Dissolved Solids (TDS) using EPA Method SW 846-160.1;
- N.M. Water Quality Control Commission Metals using EPA Method SW 846-6010, 200.7;
- Chlorides using EPA Methods SW 846-325.2 & 9251, SM2320, 375.4 & 9038, and;
- Cations and Anions using EPA Methods 375.4, 325.3 and 310

6.3 Decontamination Of Equipment

In general, the decontamination cleaning procedure 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 sampling equipment will be cleaned with Liqui-Nox® detergent and rinsed with distilled water.

6.4 Laboratory Protocol

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

7.0 LIMITATIONS

Environmental Technology Group, Inc. has prepared this 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.

8.0 REFERENCES

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

Title 19; New Mexico Administrative Code 15.A.19;

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, and;

Ground Water 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.

Parameter Estimation Guidelines for Risk-Based Corrective Action (RBCA) Modeling; Conner, Newell and Malander, Groundwater Services, Inc.; NGWA Petroleum Hydrocarbons Conference, Houston, Texas, November 1996.

9.0 DISTRIBUTION

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Camille Reynolds
Quality Control Review

TABLES

TABLE 1

GROUND WATER ELEVATION
HISTORICAL TABLE

EOTT ENERGY CORPORATION
DARR ANGELL 2
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2020

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	06/16/00	3,788.04	-	57.35	0.00	3,730.69
	09/13/00	3,788.04	-	57.46	0.00	3,730.58
	11/15/00	3,788.04	-	57.61	0.00	3,730.43
	02/14/01	3,788.04	-	57.44	0.00	3,730.60
	06/07/01	3,788.04	-	57.80	0.00	3,730.24
	09/19/01	3,788.04	-	57.88	0.00	3,730.16
	10/11/01	3,788.04	-	57.95	0.00	3,730.09
	02/14/02	3,788.04	-	58.15	0.00	3,729.89
	06/13/02	3,788.04	-	58.30	0.00	3,729.74
	08/25/02	3,788.04	-	58.40	0.00	3,729.64
MW - 2	06/16/00	3,788.41	-	58.62	0.00	3,729.79
	09/13/00	3,788.41	58.44	60.13	1.20	3,729.30
	11/15/00	3,788.41	58.15	62.26	4.11	3,729.64
	02/14/01	3,788.41	57.94	64.26	6.32	3,729.52
	06/07/01	3,788.41	57.83	65.05	7.22	3,729.50
	09/19/01	3,788.41	57.98	65.37	7.39	3,729.32
	10/11/01	3,788.41	58.44	63.41	4.97	3,729.22
	02/14/02	3,788.41	58.16	65.44	7.28	3,729.16
	06/13/02	3,788.41	58.30	65.63	7.33	3,729.01
	08/25/02	3,788.41	58.33	65.89	7.56	3,728.95
MW - 3	06/16/00	3,787.94	-	58.27	0.00	3,729.67
	09/13/00	3,787.94	-	58.38	0.00	3,729.56
	11/15/00	3,787.94	-	58.48	0.00	3,729.46
	02/14/01	3,787.94	-	58.48	0.00	3,729.46
	06/07/01	3,787.94	-	58.69	0.00	3,729.25
	09/19/01	3,787.94	-	58.82	0.00	3,729.12
	10/11/01	3,787.94	-	58.84	0.00	3,729.10
	02/14/02	3,787.94	-	59.04	0.00	3,728.90
	06/13/02	3,787.94	-	59.21	0.00	3,728.73
	08/25/02	3,787.94		59.30	0.00	3,728.64

TABLE 1 (CONTINUED)

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	09/13/00	3,787.76	-	58.32	0.00	3,729.44
	11/15/00	3,787.76	-	58.41	0.00	3,729.35
	02/14/01	3,787.76	-	58.40	0.00	3,729.36
	06/07/01	3,787.76	-	58.62	0.00	3,729.14
	09/19/01	3,787.76	-	58.77	0.00	3,728.99
	10/11/01	3,787.76	-	58.78	0.00	3,728.98
	02/14/02	3,787.76	-	58.97	0.00	3,728.79
	06/13/02	3,787.76	-	59.13	0.00	3,728.63
	08/25/02	3,787.76	-	59.24	0.00	3,728.52
MW - 5	09/19/01	3,787.73		57.84	0.00	3,729.89
	10/11/01	3,787.73	-	57.85	0.00	3,729.88
	02/14/02	3,787.73	-	58.04	0.00	3,729.69
	06/13/02	3,787.73	-	58.13	0.00	3,729.60
	08/25/02	3,787.73		58.30	0.00	3,729.43
MW - 6	09/19/01	3,788.31	-	58.35	0.00	3,729.96
	10/11/01	3,788.31	-	58.44	0.00	3,729.87
	02/14/02	3,788.31	-	58.62	0.00	3,729.69
	06/13/02	3,788.31	-	58.78	0.00	3,729.53
	08/25/02	3,788.31		58.87	0.00	3,729.44
MW - 7	09/19/01	3,788.65	-	58.96	0.00	3,729.69
	10/11/01	3,788.65	-	59.05	0.00	3,729.60
	02/14/02	3,788.65	-	59.23	0.00	3,729.42
	06/13/02	3,788.65	-	59.38	0.00	3,729.27
	08/25/02	3,788.65		59.48	0.00	3,729.17
MW - 8	09/19/01	3,787.60	-	58.29	0.00	3,729.31
	10/11/01	3,787.60	-	58.32	0.00	3,729.28
	02/14/02	3,787.60	-	58.49	0.00	3,729.11
	06/13/02	3,787.60	-	58.66	0.00	3,728.94
	08/25/02	3,787.60		58.76	0.00	3,728.84
MW - 9	09/19/01	3,787.27	-	57.65	0.00	3,729.62
	10/11/01	3,787.27	-	57.65	0.00	3,729.62
	02/14/02	3,787.27	-	57.82	0.00	3,729.45
	06/13/02	3,787.27	-	57.98	0.00	3,729.29
	08/25/02	3,787.27		58.09	0.00	3,729.18

TABLE 1 (CONTINUED)

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	02/14/02	3,787.50	-	58.47	0.00	3,729.03
	06/13/02	3,787.50	-	58.64	0.00	3,728.86
	08/25/02	3,787.50		58.72	0.00	3,728.78
RW - 1	06/16/00	3,787.45	55.49	65.63	10.14	3,730.44
	09/13/00	3,787.45	55.53	65.92	10.39	3,730.36
	11/15/00	3,787.45	55.68	66.08	10.40	3,730.21
	02/14/01	3,787.45	55.80	66.19	10.39	3,730.09
	06/07/01	3,787.45	55.90	66.25	10.35	3,730.00
	09/19/01	3,787.45	N.A.	N.A.	N.A.	-
	10/11/01	3,787.45	N.A.	N.A.	N.A.	-
	02/14/02	3,787.45	56.22	66.55	10.33	3,729.68
	06/13/02	3,787.45	56.40	66.65	10.25	3,729.51
	08/25/02	3,787.45	56.49	66.70	10.21	3,729.43
RW - 2	06/16/00	3,787.83	55.98	64.71	8.73	3,730.54
	09/13/00	3,787.83	55.93	65.42	9.49	3,730.48
	11/15/00	3,787.83	56.06	65.57	9.51	3,730.34
	02/14/01	3,787.83	56.18	65.43	9.25	3,730.26
	06/07/01	3,787.83	56.28	65.90	9.62	3,730.11
	09/19/01	3,787.83	N.A.	N.A.	N.A.	-
	10/11/01	3,787.83	N.A.	N.A.	N.A.	-
	02/14/02	3,787.83	56.58	66.29	9.71	3,729.79
	06/13/02	3,787.83	58.40	59.50	1.10	3,729.27
	08/25/02	3,787.83	58.44	59.85	1.41	3,729.18

Note: Baseline TOC elevation of RW-1 changed 3/5/02 due to resurvey to 3787.45

N.A. indicates well was inaccessible during gauging event.

TABLE 2

CONCENTRATIONS OF BTEX AND TPH IN SOIL

EOT ENERGY CORPORATION
DARR ANGELL 2
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2020

SAMPLE LOCATION	SAMPLE DATE	EPA SW 8746-8021B, 5030						EPA SW 846-8015M		
		BENZENE	TOLUENE	ETHYL-BENZENE	m,p-XYLENE	o-XYLENE	TOTAL BTEX	GRO (C_6-C_{10})	DRO (>C_{10}-C_{25})	TOTAL TPH
RW-1 5'	006/01/00	<0.100	1.77	0.836	5.34	0.965	8.911	60	823	883
RW-1 10'		<0.100	16.3	9.34	41.9	13.4	80.94	781	2257	3038
RW-1 15'		<0.100	3.4	1.59	6.64	2.47	14.1	81	965	1046
RW-1 20'								<10	<10	<10
RW-1 25'								<10	<10	<10
RW-1 30'								<10	<10	<10
RW-1 35'								<10	<10	<10
RW-1 40'								<10	<10	<10
RW-1 45'								<10	<10	<10
RW-1 50'		<0.100	3.34	3.28	12.1	4.45	23.17	454	1264	1718
RW-1 55'		29.9	169	63.8	183	59.1	504.8	7092	10152	17244
RW-1 60'		<0.100	4.37	3.02	9.97	3.66	21.02	388	1227	1615
RW-2 5'	6/1/2000	<0.100	11.1	4.76	19.3	8.12	43.28	90	2850	2940
RW-2 10'		<0.100	5.54	2.99	11.9	4.43	24.86	515	2041	2556
RW-2 15'		0.666	14.3	6.05	24.7	9.15	54.866	1456	4764	6220
RW-2 20'		<0.100	5	2.95	12.2	4.65	24.8	563	2857	3420
RW-2 25'								<10	102	102
RW-2 30'								<10	<10	<10
RW-2 35'								<10	32	32
RW-2 40'								<10	<10	<10
RW-2 45'								<10	<10	<10
RW-2 50'								53	648	701
RW-2 55'		<0.100	4.9	3.6	8.06	4.2	20.76	916	3716	4632
RW-2 60'								12	285	297
RW-2 65'								<10	221	221
SB-1 5'	6/2/2000							<10	<10	<10
SB-1 10'								<10	<10	<10
SB-1 15'								<10	<10	<10
SB-1 20'								<10	<10	<10
SB-1 25'								<10	<10	<10
SB-1 30'								<10	<10	<10
SB-1 35'								<10	<10	<10
SB-1 40'								<10	<10	<10
SB-1 45'								<10	<10	<10
SB-1 50'								<10	<10	<10
SB-1 55'								<10	<10	<10
SB-1 57'								<10	<10	<10

TABLE 2 (CONTINUED)

SAMPLE LOCATION	SAMPLE DATE	EPA SW 8746-8021B, 5030						EPA SW 846-8015M		
		BENZENE	TOLUENE	ETHYL-BENZENE	m,p-XYLENE	o-XYLENE	TOTAL BTEX	GRO (C_8-C_{10})	DRO (>C_{10}-C_{25})	TOTAL TPH
SB-2 5'	6/5/2000							<10	<10	<10
SB-2 10'								<10	<10	<10
SB-2 15'								<10	<10	<10
SB-2 20'								<10	<10	<10
SB-2 25'								<10	<10	<10
SB-2 30'								<10	<10	<10
SB-2 35'								<10	<10	<10
SB-2 40'								<10	<10	<10
SB-2 45'								<10	<10	<10
SB-2 57'								<10	<10	<10
SB-3 5'	6/5/2000							<10	<10	<10
SB-3 10'								<10	<10	<10
SB-3 15'								<10	<10	<10
SB-3 20'								<10	<10	<10
SB-3 25'								<10	<10	<10
SB-3 30'								<10	<10	<10
SB-3 35'								<10	<10	<10
SB-3 40'								<10	<10	<10
SB-3 45'								<10	<10	<10
SB-3 50'								<10	<10	<10
SB-3 60'								<10	<10	<10
SB-4 5'	6/6/2000							<10	<10	<10
SB-4 10'								<10	<10	<10
SB-4 15'								<10	<10	<10
SB-5 5'	6/6/2000							<10	<10	<10
SB-5 10'								<10	<10	<10
SB-5 15'								<10	<10	<10
SB-6 5'	6/6/2000							<10	<10	<10
SB-6 10'								<10	<10	<10
SB-6 15'								<10	<10	<10
SB-7 5'	6/6/2000							<10	<10	<10
SB-7 10'								<10	<10	<10
SB-7 15'								<10	<10	<10
SB-8 5'	6/6/2000							<10	<10	<10
SB-8 10'								<10	<10	<10
SB-8 15'								<10	<10	<10
SB-9 5'	6/6/2000							<10	<10	<10
SB-9 10'								<10	<10	<10
SB-9 15'								<10	<10	<10
SB-10 5'	6/6/2000							<10	<10	<10
SB-10 10'								<10	<10	<10
SB-10 15'								<10	<10	<10

TABLE 2 (CONTINUED)

SAMPLE LOCATION	SAMPLE DATE	EPA SW 8746-8021B, 5030						EPA SW 846-8015M		
		BENZENE	TOLUENE	ETHYL-BENZENE	m,p-XYLENE	o-XYLENE	TOTAL BTEX	GRO (C_6-C_{10})	DRO (>C_{10}-C_{25})	TOTAL TPH
MW-1 5'	6/6/2000							<10	<10	<10
MW-1 10'								<10	<10	<10
MW-1 15'								<10	<10	<10
MW-1 20'								<10	<10	<10
MW-1 25'								<10	<10	<10
MW-1 30'								<10	<10	<10
MW-1 35'								<10	<10	<10
MW-1 40'								<10	<10	<10
MW-1 45'								<10	<10	<10
MW-1 52'								<10	<10	<10
MW-1 65'								<10	<10	<10
MW-2 5'	6/16/2000							<10	<10	<10
MW-2 10'								<10	<10	<10
MW-2 15'								<10	<10	<10
MW-2 20'								<10	<10	<10
MW-2 25'								<10	<10	<10
MW-2 30'								<10	<10	<10
MW-2 35'								<10	<10	<10
MW-2 40'								<10	<10	<10
MW-2 45'								<10	<10	<10
MW-2 50'								<10	<10	<10
MW-2 55'		<0.100	0.724	<0.100	1.27	0.318	2.312	15	2251	2266
MW-2 65'								<10	229	229
MW-3 5'	6/16/2000							<10	<10	<10
MW-3 10'								<10	<10	<10
MW-3 15'								<10	<10	<10
MW-3 20'								<10	<10	<10
MW-3 25'								<10	<10	<10
MW-3 30'								<10	<10	<10
MW-3 35'								<10	<10	<10
MW-3 40'								<10	<10	<10
MW-3 45'								<10	<10	<10
MW-3 50'								<10	<10	<10
MW-3 55'								<10	<10	<10
MW-3 65'								<10	<10	<10
MW-4 2'	7/11/2000							<10	<10	<10
MW-4 5'								<10	<10	<10
MW-4 10'								<10	<10	<10
MW-4 15'								<10	<10	<10
MW-4 20'								<10	<10	<10
MW-4 25'								<10	<10	<10
MW-4 30'								<10	<10	<10
MW-4 35'								<10	<10	<10
MW-4 40'								<10	<10	<10
MW-4 45'								<10	<10	<10
MW-4 50'								<10	<10	<10
MW-4 55'								<10	<10	<10
MW-4 60'								<10	<10	<10

TABLE 2 (CONTINUED)

SAMPLE LOCATION	SAMPLE DATE	EPA SW 8746-8021B, 5030						EPA SW 846-8015M		
		BENZENE	TOLUENE	ETHYL-BENZENE	m,p-XYLENE	o-XYLENE	TOTAL BTEX	GRO (C_6-C_{10})	DRO (>C_{10}-C_{25})	TOTAL TPH
MW-5 2'	8/14/2001							<5	5.79	5.79
MW-5 7'								<5	10.1	10.1
MW-5 12'								<5	5.68	5.68
MW-5 17'								<5	5.85	5.85
MW-5 22'								<5	5.34	5.34
MW-5 27'								<5	2.11	2.11
MW-5 32'								<5	8.1	8.1
MW-5 37'								<5	5.23	5.23
MW-5 42'								<5	4.78	4.78
MW-5 47'								<5	<1	<5
MW-5 52'								<5	<1	<5
MW-5 57'								<5	10.8	10.8
MW-5 62'								<5	8.61	8.61
MW-5 67'								<5	8.91	8.91
MW-6 2'	8/14/2001							<5	<1	<5
MW-6 7'								<5	2.67	2.67
MW-6 12'								<5	8.92	8.92
MW-6 17'								<5	10.1	10.1
MW-6 22'								<5	4	4
MW-6 27'								<5	6.41	6.41
MW-6 32'								<5	6.34	6.34
MW-6 37'								<5	33	33
MW-6 42'								10.2	167	177.2
MW-6 47'								18.5	194	212.5
MW-6 50'								<5	13.8	13.8
MW-6 57'								<5	5.68	5.68
MW-6 62'								<5	6.12	6.12
MW-7 2'	8/16/2001							<5	<1	<5
MW-7 7'								<5	2.58	2.58
MW-7 12'								<5	2.65	2.65
MW-7 17'								<5	2.9	2.9
MW-7 22'								<5	2.58	2.58
MW-7 27'								<5	1.39	1.39
MW-7 32'								<5	2.04	2.04
MW-7 37'								<5	5.83	5.83
MW-7 42'								<5	4.68	4.68
MW-7 47'								<5	4.45	4.45
MW-7 52'								<5	8.32	8.32
MW-7 57'								<5	<1	<5
MW-7 62'								<5	5.86	5.86

TABLE 2 (CONTINUED)

SAMPLE LOCATION	SAMPLE DATE	EPA SW 8746-8021B, 5030						EPA SW 846-8015M		
		BENZENE	TOLUENE	ETHYL-BENZENE	m,p-XYLENE	o-XYLENE	TOTAL BTEX	GRO (C_6-C_{10})	DRO (>C_{10}-C_{25})	TOTAL TPH
MW-8 2'	8/16/2001							<5	14.5	14.5
MW-8 7'								<5	3.57	3.57
MW-8 12'								<5	10.9	10.9
MW-8 17'								<5	4.25	4.25
MW-8 22'								<5	3.69	3.69
MW-8 27'								<5	3.99	3.99
MW-8 32'								<5	4.09	4.09
MW-8 37'								<5	11.5	11.5
MW-8 42'								<5	3.11	3.11
MW-8 47'								<5	3.32	3.32
MW-8 52'								<5	2.82	2.82
MW-8 57'								<5	6.53	6.53
MW-8 62'								<5	8.12	8.12
MW-9 2'	8/16/2001							<5	<1	<5
MW-9 7'								<5	3.62	3.61
MW-9 12'								<5	7.28	7.28
MW-9 17'								<5	6.19	6.19
MW-9 22'								<5	6.73	6.73
MW-9 27'								<5	4.46	4.46
MW-9 32'								<5	4.81	4.81
MW-9 37'								<5	3.79	3.79
MW-9 42'								<5	1.92	1.92
MW-9 47'								<5	5.24	5.24
MW-9 52'								<5	2.5	2.5
MW-9 57'								<5	3.57	3.57
MW-9 62'								<5	9.33	9.33
MW-10 7'	12/12/2001							<5	<5	<5
MW-10 12'								<5	<5	<5
MW-10 17'								<5	<5	<5
MW-10 22'								<5	<5	<5
MW-10 27'								<5	<5	<5
MW-10 32'								<5	<5	<5
MW-10 37'								<5	<5	<5
MW-10 42'								<5	<5	<5
MW-10 47'								<5	<5	<5
MW-10 52'								<5	<5	<5
MW-10 57'								<5	<5	<5
MW-10 52'								<5	<5	<5
MW-10 67'								<5	<5	<5

TABLE 3

GROUND WATER CHEMISTRY
HISTORICAL TABLE

EOTT ENERGY CORPORATION
DARR ANGELL 2
LEA COUNTY, NEW MEXICO
ETGI PROJECT # EO 2020

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030,8260b BTEX			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW-1	06/16/00	<0.001	<0.001	<0.001	<0.001
	09/13/00	<0.001	<0.001	<0.001	<0.001
	11/15/00	<0.001	<0.001	<0.001	<0.001
	02/14/01	<0.001	<0.001	<0.001	<0.001
	06/07/01	0.005	<0.001	<0.001	<0.001
	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
MW-2	06/16/00	0.711	0.475	0.143	0.541
MW-3	06/16/00	0.001	<0.001	<0.001	<0.001
	09/13/00	<0.001	<0.001	<0.001	<0.001
	11/15/00	<0.001	<0.001	<0.001	<0.001
	02/14/01	<0.001	<0.001	<0.001	<0.001
	06/07/01	0.005	<0.001	<0.001	<0.001
	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
MW-4	07/14/00	<0.001	<0.001	<0.001	<0.001
	09/13/00	<0.001	<0.001	<0.001	<0.001
	11/15/00	<0.001	<0.001	<0.001	<0.001
	02/14/01	<0.001	<0.001	<0.001	<0.001
	06/07/01	0.007	<0.001	<0.001	<0.001
	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	0.002	<0.001	<0.001	<0.001
	06/13/02	0.002	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
MW-5	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001

TABLE 2 (CONTINUED)

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030,8260b BTEX			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW-6	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
MW-7	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
MW-8	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
MW-9	09/19/01	<0.001	<0.001	<0.001	<0.001
	10/11/01	<0.001	<0.001	<0.001	<0.001
	02/14/02	<0.001	<0.001	<0.001	<0.001
	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
MW-10	06/13/02	<0.001	<0.001	<0.001	<0.001
	08/25/02	<0.001	<0.001	<0.001	<0.001
EB1	08/25/02	<0.001	<0.001	<0.001	<0.001

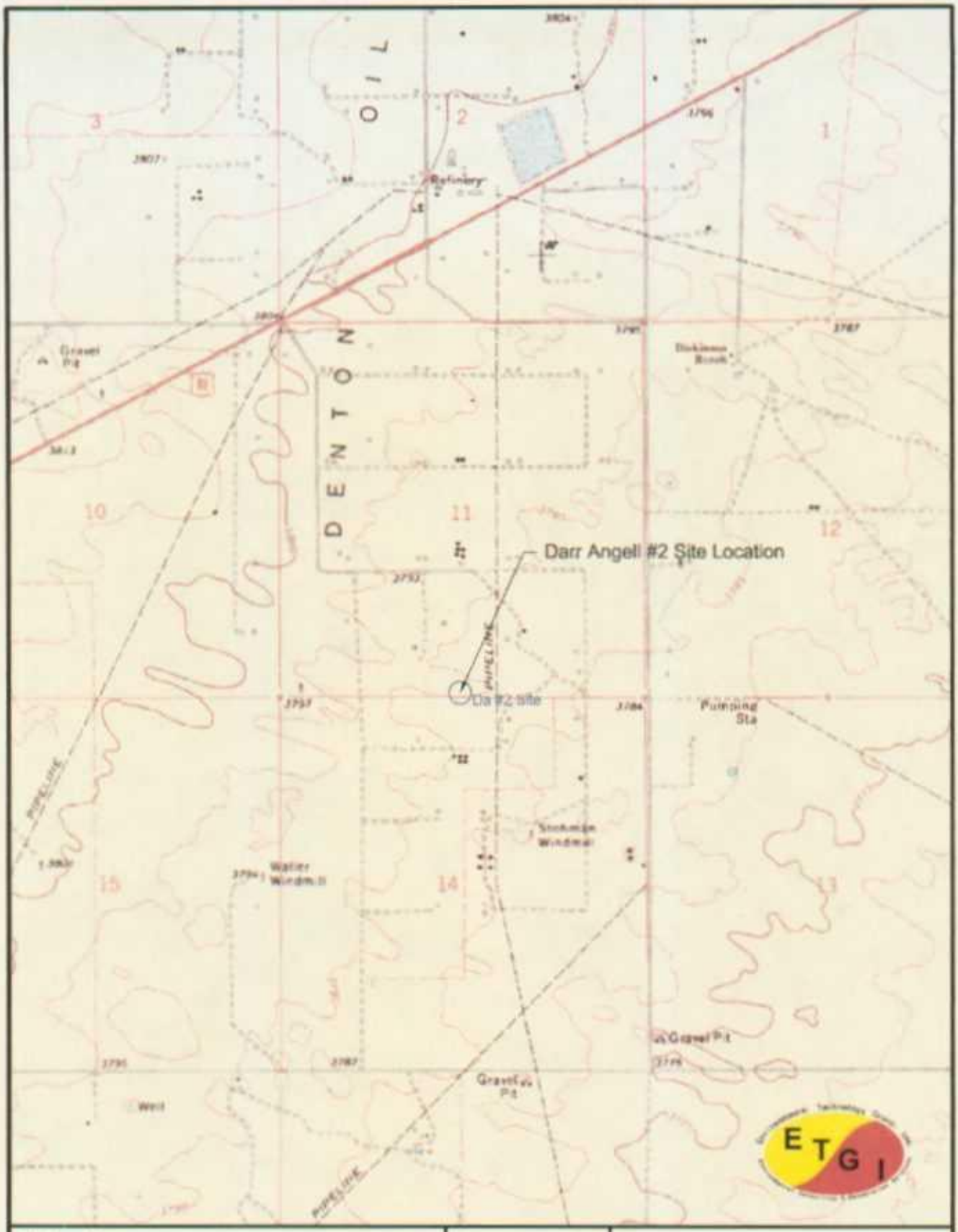
CONCENTRATIONS OF METALS IN GROUND WATER

EOTT ENERGY CORPORATION
DARR ANGELL 2
MONUMENT, NEW MEXICO
EGTI Project # EOT 2020R

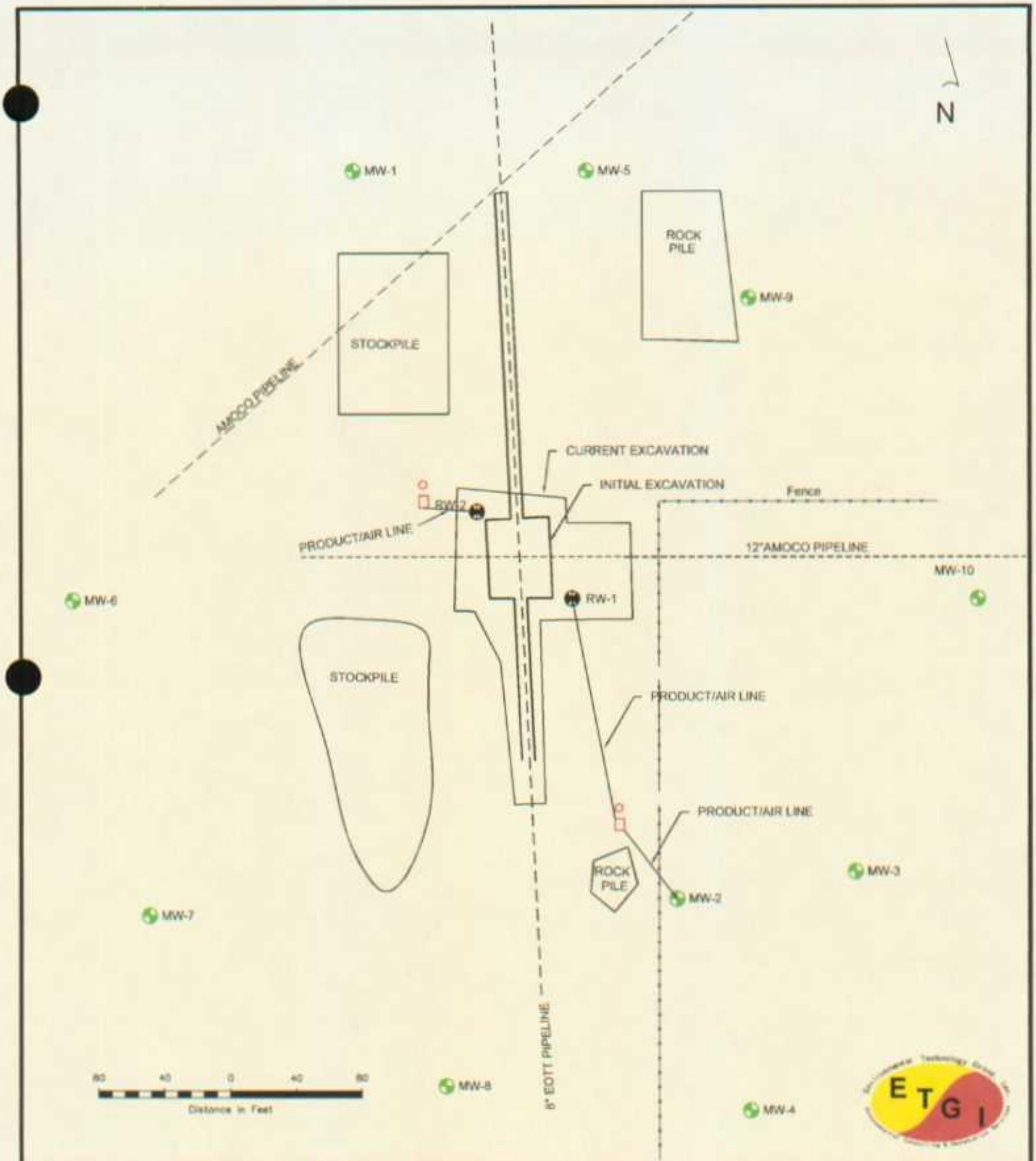
All water concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SAMPLE TYPE	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	6/16/2000	WATER	8.50	0.0080	0.2030	ND	0.0020	242.0	0.026	ND	ND	5.84	ND	20.60	0.1140	0.004	ND	0.026	5.52	ND	ND	55.40	ND	0.0630	0.045	0.158	0.482
MW - 2	6/16/2000	WATER	10.3	0.0080	0.3550	ND	0.0200	405.0	0.0340	ND	0.01	6.46	0.003	28.30	0.194	0.002	ND	0.034	7.630	ND	ND	73.4	ND	0.0880	0.144	0.168	0.855
MW - 3	6/16/2000	WATER	17	0.0110	0.3820	ND	0.0020	405.0	0.0340	ND	0.01	10.600	0.007	31.50	0.207	0.003	ND	0.037	9.310	ND	ND	56.00	ND	0.1090	0.088	0.145	0.69
MW - 4	7/14/2000	WATER	27.4	0.0130	1.1500	ND	ND	702.0	0.0450	0.03	ND	0520.18	0.008	48.10	0.2870	ND	ND	0.043	11.200	ND	ND	67.8	ND	0.0970	0.055	0.789	0.934
MW - 5	9/19/2001	WATER	245	<1	2.57	<0.08	<0.1	81.3	0.211	<0.4	0.442	139	<0.4	16.4	1.43	<0.0002	<0.4	<0.4	3.58	<1	<0.004	59	<1	0.517	2.55	<0.4	1.97
MW - 6	9/19/2001	WATER	496	<1	4.14	<0.08	<0.1	187	0.482	<0.4	<0.4	254	<0.4	44.7	2.6	<0.0002	<0.4	<0.4	5.52	<1	<0.004	79.7	<1	1.130	1.9	<0.4	4.07
MW - 7	9/19/2001	WATER	216	<1	1.71	<0.08	<0.1	127	0.217	<0.4	<0.4	127	<0.4	28.5	1.25	<0.0002	<0.4	<0.4	4.7	<1	<0.004	76	<1	0.479	0.586	<0.4	2.05
MW - 8	9/19/2001	WATER	141	<1	1.74	<0.08	<0.1	83.2	<0.2	<0.4	<0.4	85.5	<0.4	17.9	0.874	<0.0002	<0.4	<0.4	4.02	<1	<0.004	59.9	<1	<0.4	0.458	<0.4	1.42
MW - 9	9/19/2001	WATER	262	<1	2.25	<0.08	<0.1	77.6	0.28	<0.4	<0.4	158	<0.4	16.4	1.42	<0.0002	<0.4	<0.4	3.81	<1	<0.004	54.1	<1	0.728	0.934	<0.4	1.65

FIGURES



Site Location 033° 01' 47.0" N 103° 10' 10.5" W SW 1/4 of SE1/4 of Sec 11 T15S R37E NW 1/4 of NE 1/4 of Sec 14 T15S R37E	Figure 1 Site Location Map EOTT Energy Corp. Darr Angell # 2 Lea County, NM	Environmental Technology Group, Inc. Scale: 1"=2000' | Prep By: JDJ | Checked By: RBS August 20, 2000 | ETGI Project # EOT 2020C



LEGEND:

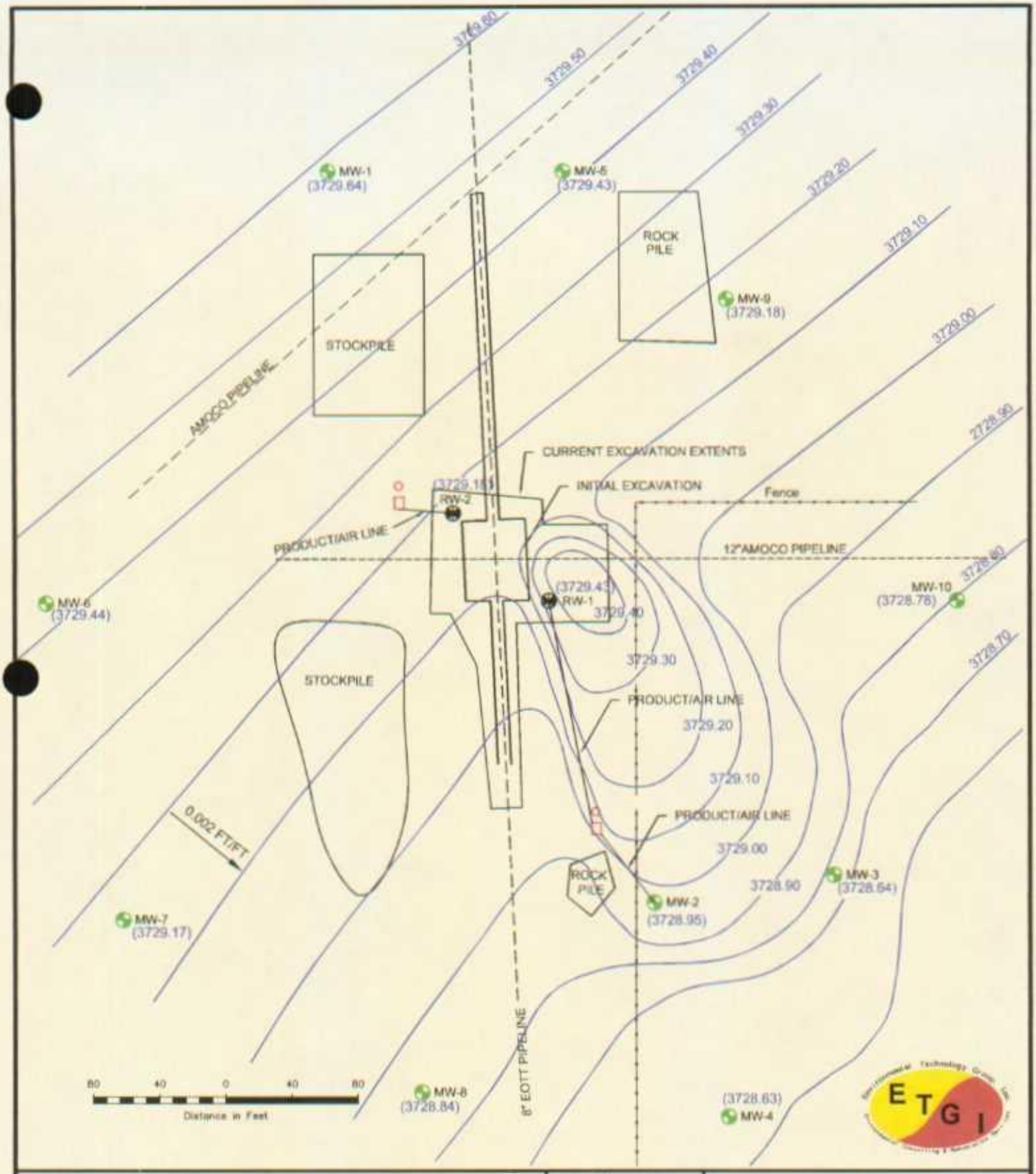
- Monitoring Well Locations
- Recovery Well Locations
- Excavation
- Poly Tank
- Shed

Figure 2
Site Plan
Field Screening
Location Map

EOTT Energy Corp.
Darr Angell # 2
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1"=80'	Prep By: JDJ	Checked By: RE
January 23, 2002	ETGI Project # EOT 2020R	



LEGEND:

- Monitoring Well Location
- Recovery Well Location
- (3728.84) Groundwater Elevation (in Feet)
- Groundwater Gradient Contour Line
- Excavation
- Poly Tank
- Shed

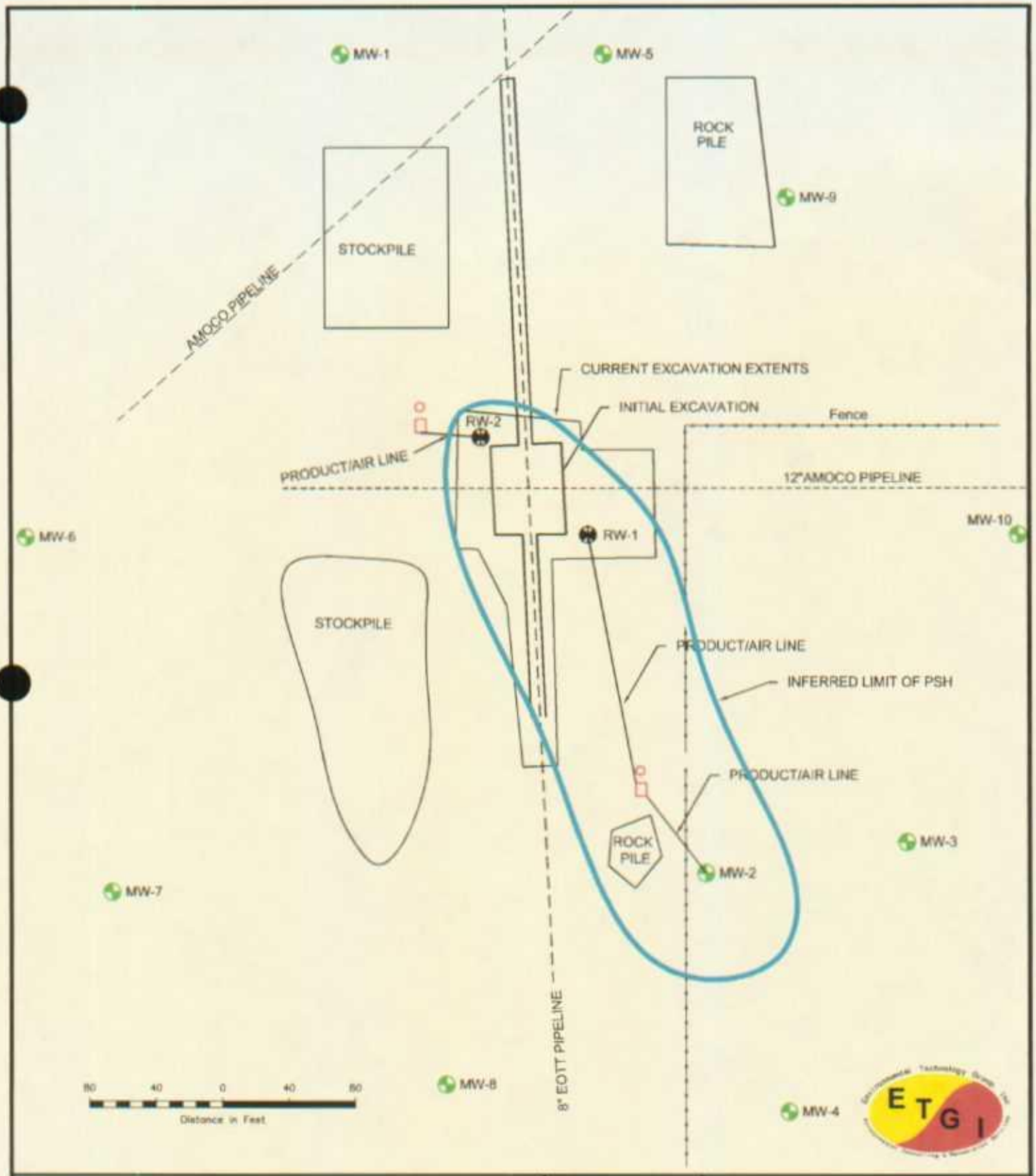
Lat33° 01' 47.0"N Lon. 103° 10' 10.5"W
SW 1/4 SE 1/4 Sec 11 T15S R37E, NW 1/4 NE 1/4 Sec 14 T15S R37E

Figure 3
Groundwater Gradient Map (8/25/02)

EOTT Energy Corp.
Darr Angell # 2
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1"=80'	Prep By LGM	Checked By: RE
Sept. 18, 2002	ETGI Project # EO1 2026R	



LEGEND:

- Monitoring Well Location
- Recovery Well Location
- Excavation
- Poly Tank
- Shed
- PSH Contour (In Feet)

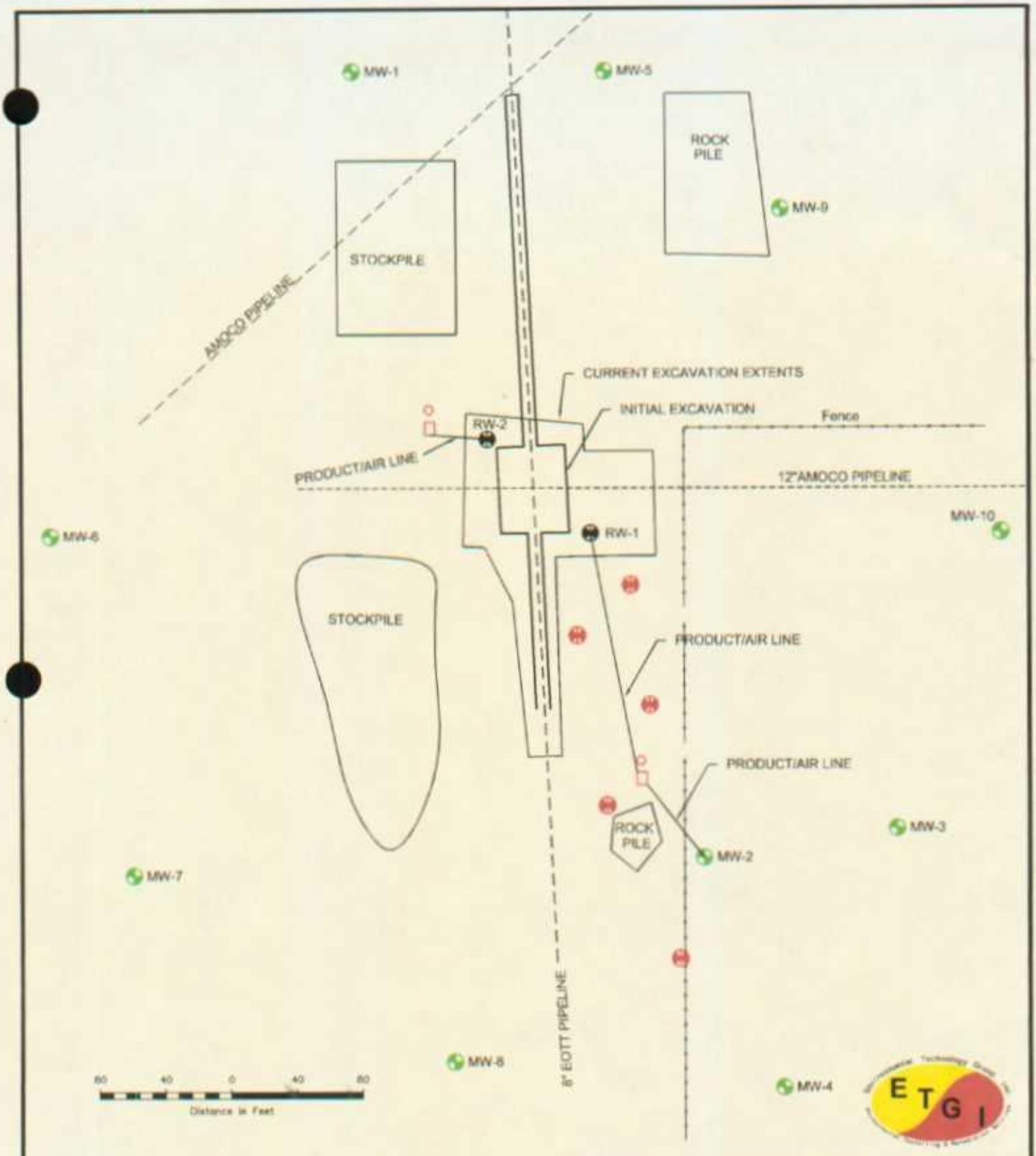
Lat. 33° 01' 47.0"N Lon. 103° 10' 10.5"W
SW 1/4 SE 1/4 Sec 11 T15S R37E, NW 1/4 NE 1/4 Sec 14 T15S R37E

Figure 4
Inferred PSH
Distribution Map

EOTT Energy Corp.
Darr Angell # 2
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1"=80'	Prep By: LGM	Checked By: BB
Sept 19, 2002	ETGI Project # EOT 2020R	



LEGEND:

- Monitoring Well Location
- Recovery Well Location
- Proposed Recovery Well Location
- Excavation
- Poly Tank
- Shed

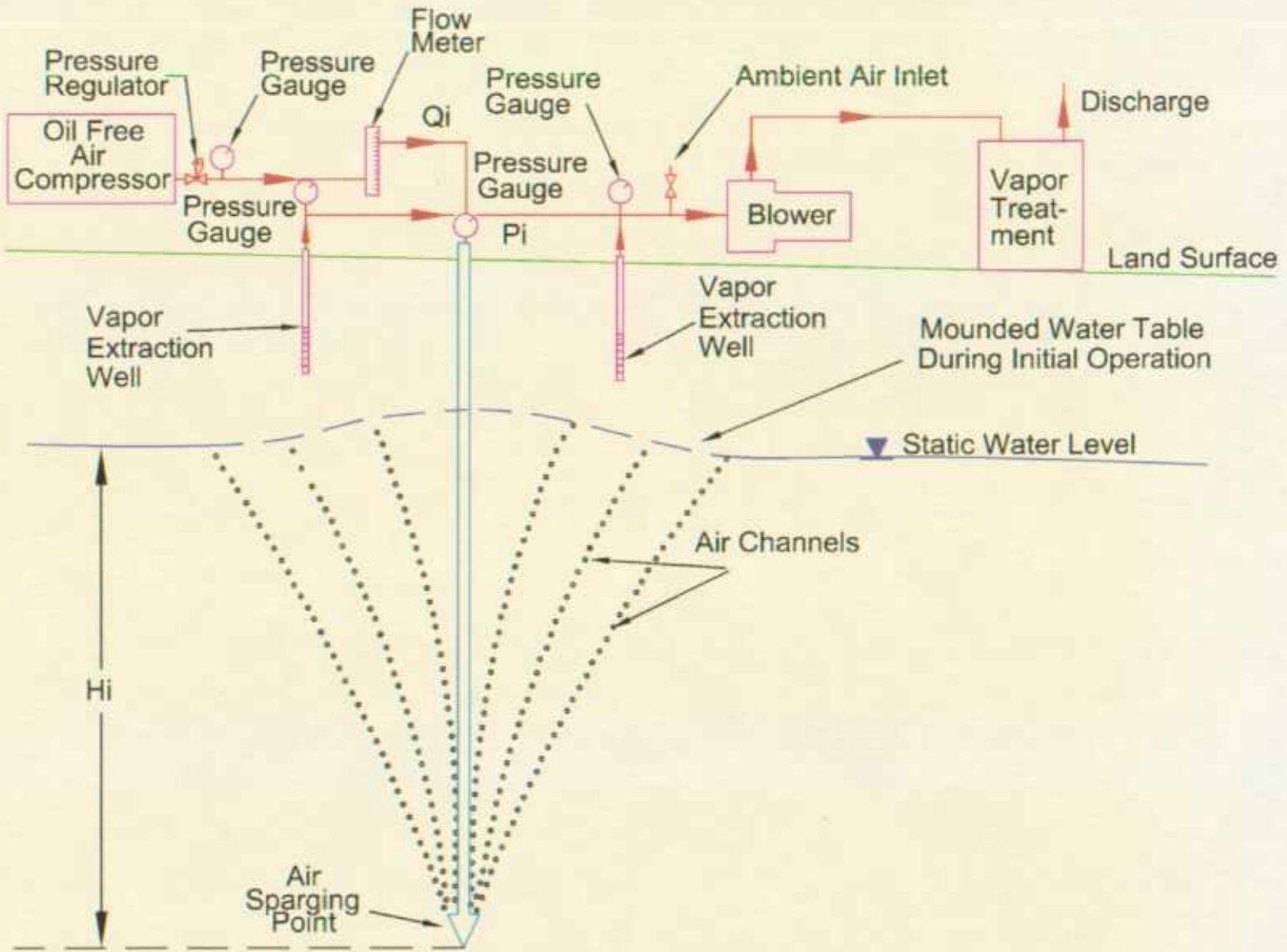
Lat. 33° 01' 47.0"N Lon. 103° 03' 50.5"W
SW 1/4 SE 1/4 Sec 11 T15S R37E, NW 1/4 NE 1/4 Sec 14 T15S R37E

Figure 5
Proposed Additional Recovery Well Map

EOTT Energy Corp
Darr Angell # 2
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1"=80'	Prep By: LGM	Checked By: SE
Sept 10, 2002	ETGI Project # EOT 2020R	



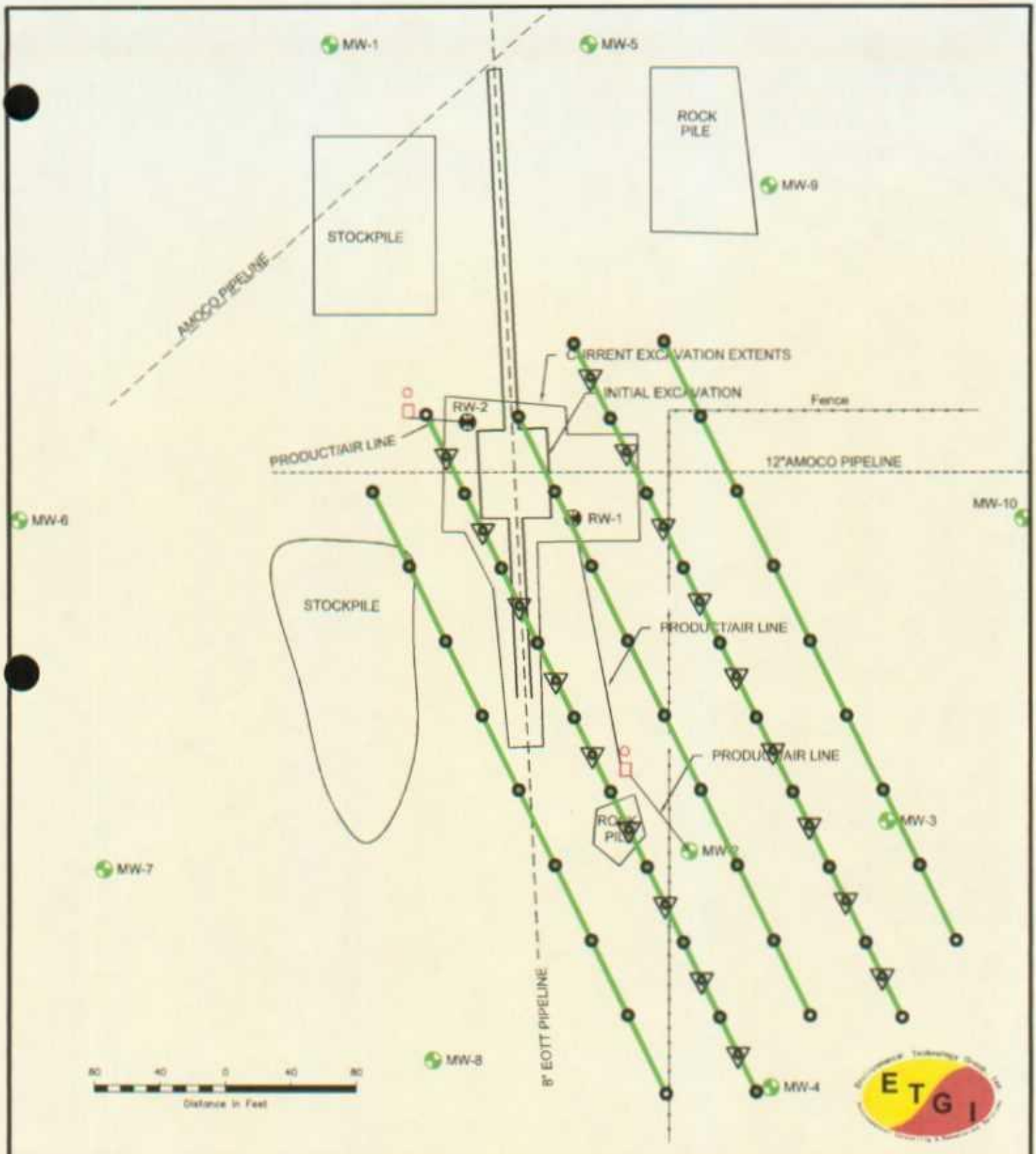
Generalized Air Sparging Schematic Diagram

Explanation

Hi Depth of Injection Qi Injection Flow Rate Pi Injection Pressure

Figure 6
Air Sparging Schematic Diagram
EOTT Energy Pipeline, LP
Darr angell #2
Lea County, New Mexico

Environmental Technology Group, Inc.



LEGEND:
- Monitoring Well Location
- Recovery Well Location
- Proposed Vapor Extraction Well Location
- Proposed Air Sparging Well Location
- Excavation
- Poly Tank
- Shed

Lat. 33° 01' 47.0"N Lon. 103° 10' 10.5"W
SW 1/4 SE 1/4 Sec 11 T15S R37E, NW 1/4 NE 1/4 Sec 14 T15S R37E

Figure 7
Proposed AS/VE Well Configuration Map

EOTT Energy Corp.
Darr Angell # 2
Lea County, NM

Environmental Technology Group, Inc.

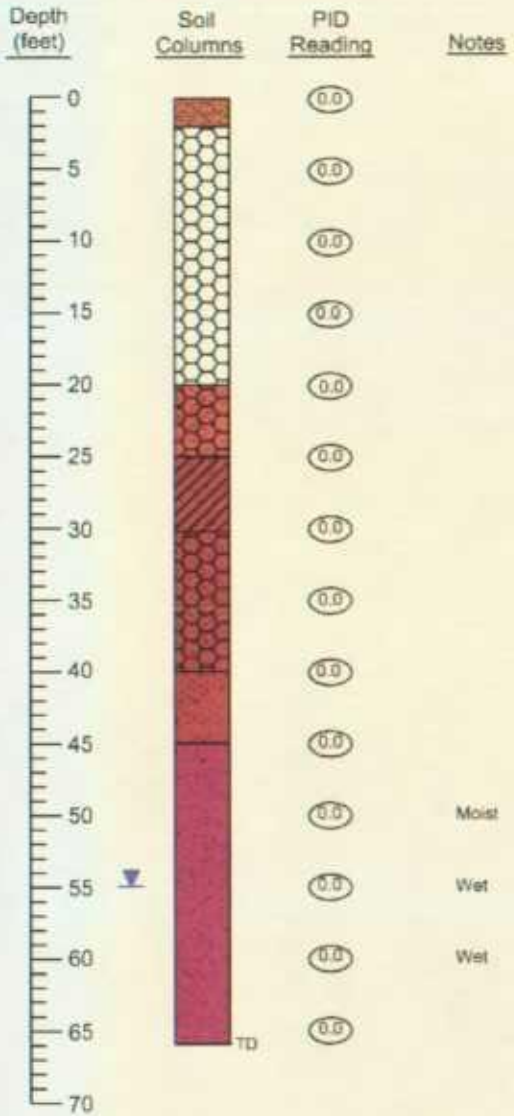
Scale: 1"=80'	Prep By: LDM	Checked By: RE
Sept 19, 2002	ETGI Project # EOT 2026R	

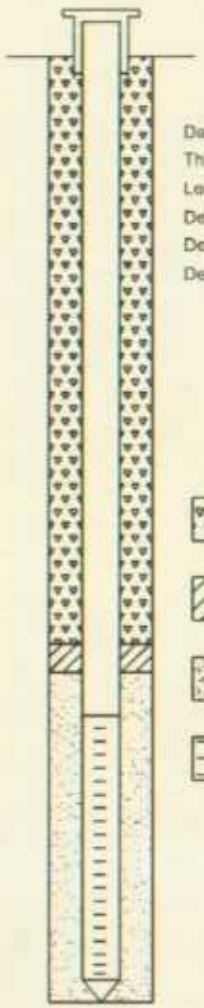
APPENDICES

APPENDIX A

SOIL BORING LOGS

Monitoring Well MW - 5





Monitoring Well Details

Date Drilled	8 - 14 - 01
Thickness of Bentonite Seal	2 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	66 ft
Depth of Exploratory Well	66 ft
Depth to Ground Water	55 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, Very Fine Grained, Well Sorted, at 0' - 2'.

Caliche Layer at 2' - 20'

Sand - (SP) - Tan, Very Fine Grained, Well Sorted with Caliche Nodules, at 20' - 25'.

Sand - (SP) - Red - Tan, Very Fine Grained, Moderately Sorted, Sandstone Debris at 25' - 30'.

Sand - (SP) - Tan - Red, Very Fine Grained, Well Sorted with Caliche Debris, at 30' - 40'.

Sand - (SP) - Tan - Red, Very Fine Grained, Well Sorted, at 40' - 45'.

Sand - (SP) - Red - Brown, Very Fine Grained, Well Sorted, at 45' - 66'.

Indicates samples selected for laboratory analysis.

Indicates the ground water level measured on 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

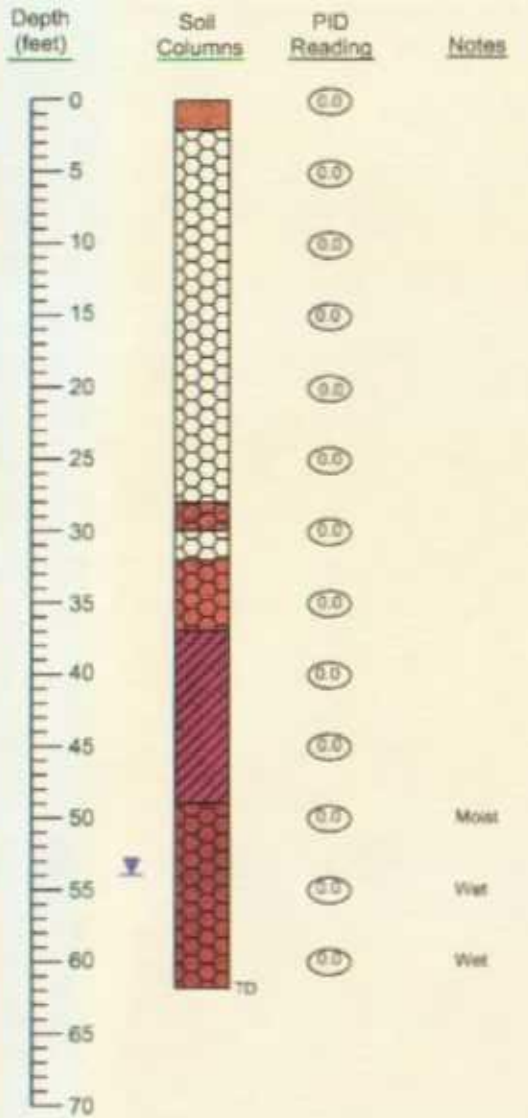
Monitoring Well - 5

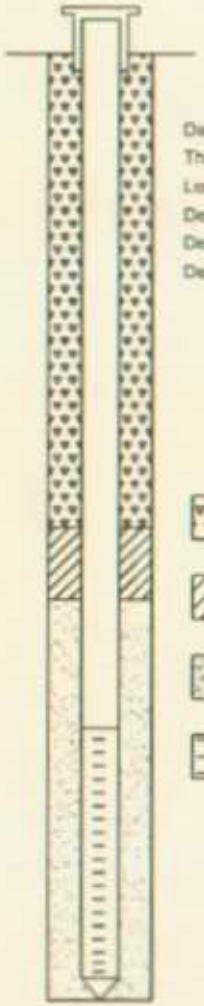
EOTT Energy Corp. Darr Angell #2 Lea County, NM

Environmental Technology Group, Inc.

Scale: use scale	Prep By: LGM	Checked By: RE
Sept. 27, 2002	ETGI Project # EOT 2020R	

Monitoring Well MW - 6





Monitoring Well Details

Date Drilled	8 - 15 - 01
Thickness of Bentonite Seal	2 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	62 ft
Depth of Exploratory Well	62 ft
Depth to Ground Water	54 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, Very Fine Grained, Well Sorted, at 0' - 2'.

Caliche Layer at 2' - 28', and 30' to 32'.

Sand - (SP) - Well Indurated Sand, Dense at 28' - 30' an at 32' to 37'.

Sand - (SP) - Red - Brown, Very Fine Grained, Moderately Sorted, Sandstone Debris at 37' - 49'.

Sand - (SP) - Tan - Red, Very Fine Grained, Well Sorted with Caliche Debris, at 49' - 62'.

Indicates samples selected for laboratory analysis.

Indicates the ground water level measured on 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

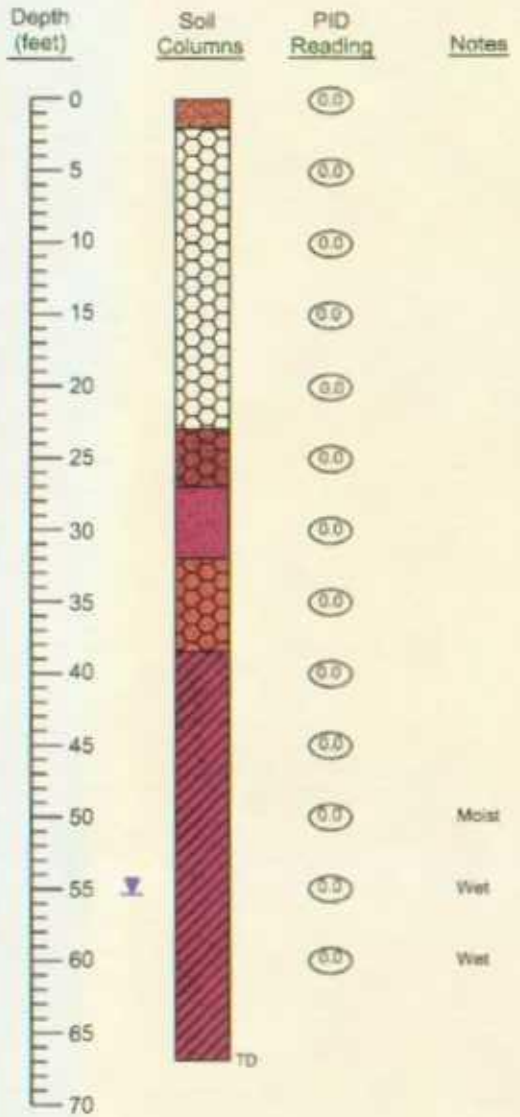
Monitoring Well - 6

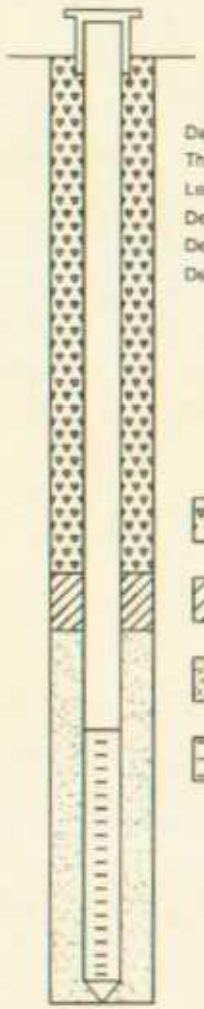
EOTT Energy Corp. Darr Angell #2 Lea County, NM

Environmental Technology Group, Inc.

Scale: use scale	Prep By: LGM	Checked By: RE
Sept. 27, 2002	ETGI Project # EOT 2022R	

Monitoring Well MW - 7





Monitoring Well Details

Date Drilled	8 - 16 - 01
Thickness of Bentonite Seal	2 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	62 ft
Depth of Exploratory Well	62 ft
Depth to Ground Water	55.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, Very Fine Grained, Well Sorted, at 0' - 2'.

Caliche Layer at 2' - 23'.

Sand - (SP) - Well Indurated Sand, Dense at 23' - 27'.

Sand - (SP) - Red - Brown, Very Fine Grained, Moderately Sorted, Sandstone Debris at 37' - 67'.

Sand - (SP) - Tan - Red, Very Fine Grained, Well Sorted with Caliche Debris, at 32' - 37'.

Sand - (SP) - Red - Brown, Very Fine Grained, Well Sorted, Sandstone Debris at 27' - 32'.

Indicates samples selected for laboratory analysis.

Indicates the ground water level measured on 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

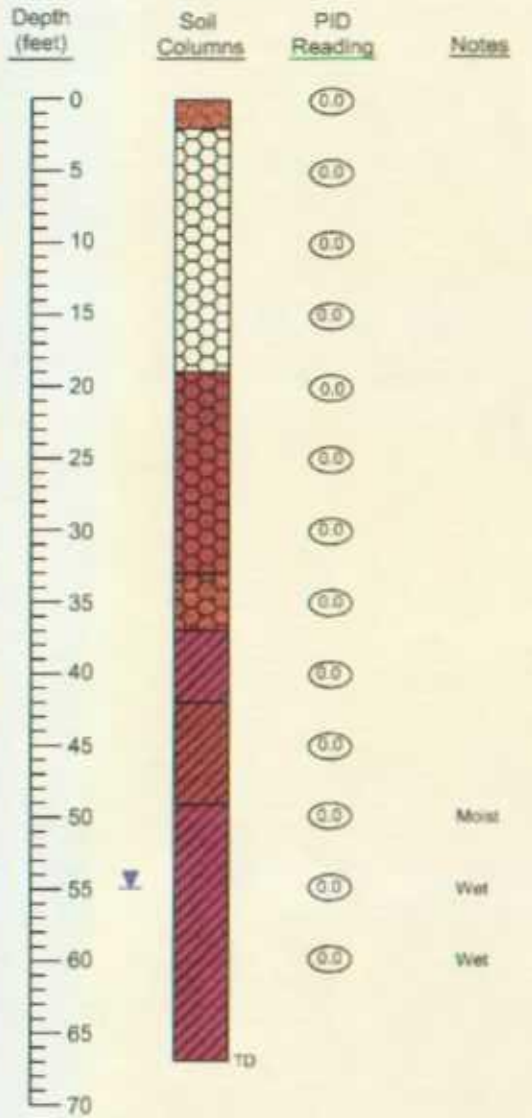
Monitoring Well - 7

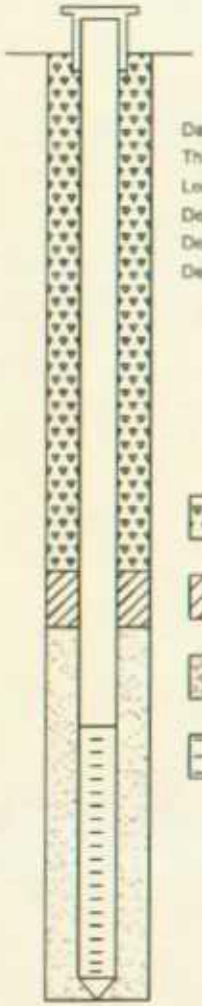
EOTT Energy Corp. Darr Angell #2 Lea County, NM

Environmental Technology Group, Inc.

Scale: use scale	Prep By: LGM	Checked By: RE
Sept. 27, 2002	ETGI Project # EOT 2020H	

Monitoring Well MW - 8





Monitoring Well Details

Date Drilled	8 - 16 - 01
Thickness of Bentonite Seal	2 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	62 ft
Depth of Exploratory Well	62 ft
Depth to Ground Water	54 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, Very Fine Grained, Well Sorted, at 0' - 2'.

Caliche Layer at 2' - 18'.

Sand - (SP) - Well Indurated Sand, Dense at 18' - 33'.

Sand - (SP) - Red - Brown, Very Fine Grained, Well Sorted, Sandstone Debris at 42' - 48'.

Sand - (SP) - Tan - Red, Very Fine Grained, Well Sorted with Caliche Debris, at 33' - 42'.

Sand - (SP) - Red - Brown, Very Fine Grained, Well Sorted, Sandstone Debris at 37' - 42', and at 48' - 67'.

Indicates samples selected for laboratory analysis.

Indicates the ground water level measured on 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

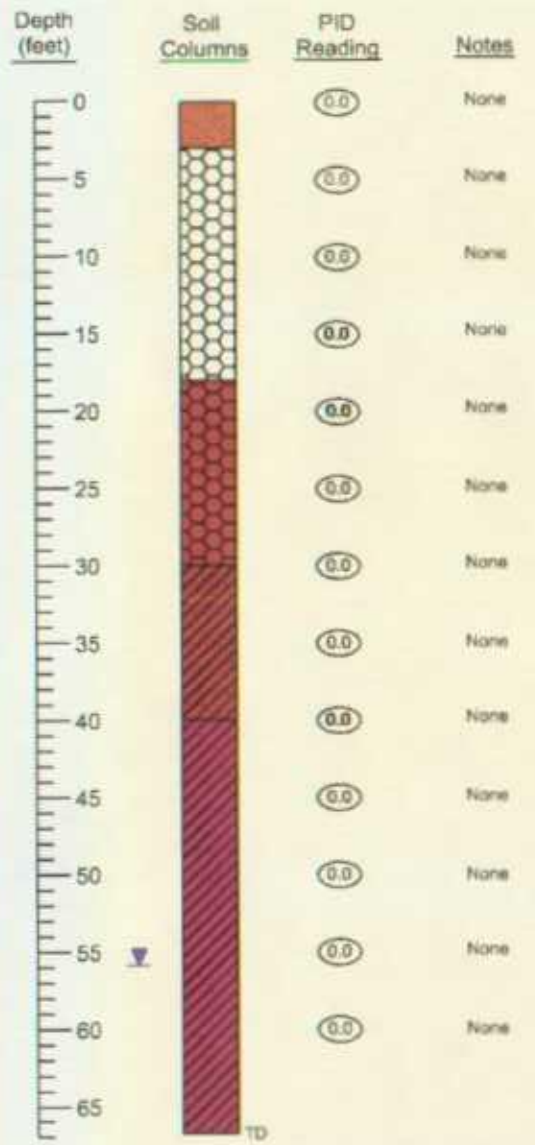
Monitoring Well - 8

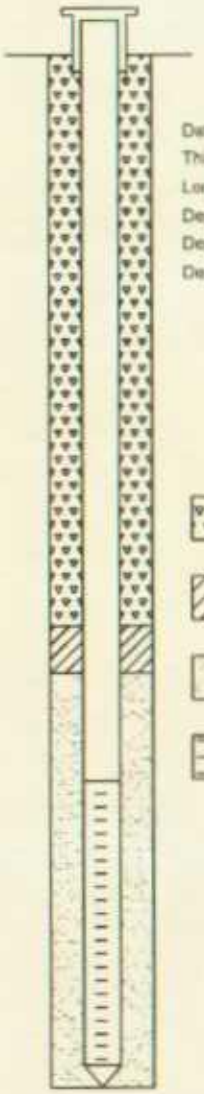
EOTT Energy Corp. Darr Angell #2 Lea County, NM

Environmental Technology Group, Inc.

Scale: use scale	Prep By: LGM	Checked By: RE
Sept. 27, 2002	ETGI Project # EOT 2020R	

Monitoring Well MW - 9





Monitoring Well Details

Date Drilled	8 - 16 - 01
Thickness of Bentonite Seal	3 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	67 ft
Depth of Exploratory Well	67 ft
Depth to Ground Water	55 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, Very Fine Grained, Well Sorted at 0' - 3'.

Caliche Layer at 3' - 18'.

Sand - (SP) - Red Tan, Very Fine Grained, Well Sorted, at 18' - 30'.

Sand - (SP) - Red - Tan, Very Fine Grained, Moderately Sorted, with Sandstone Debris at 30' - 40'.

Sand - (SP) - Red - Brown, Very Fine Grained, Well Sorted, at 40' - 67'.

Indicates samples selected for laboratory analysis.

Indicates the ground water level measured on 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

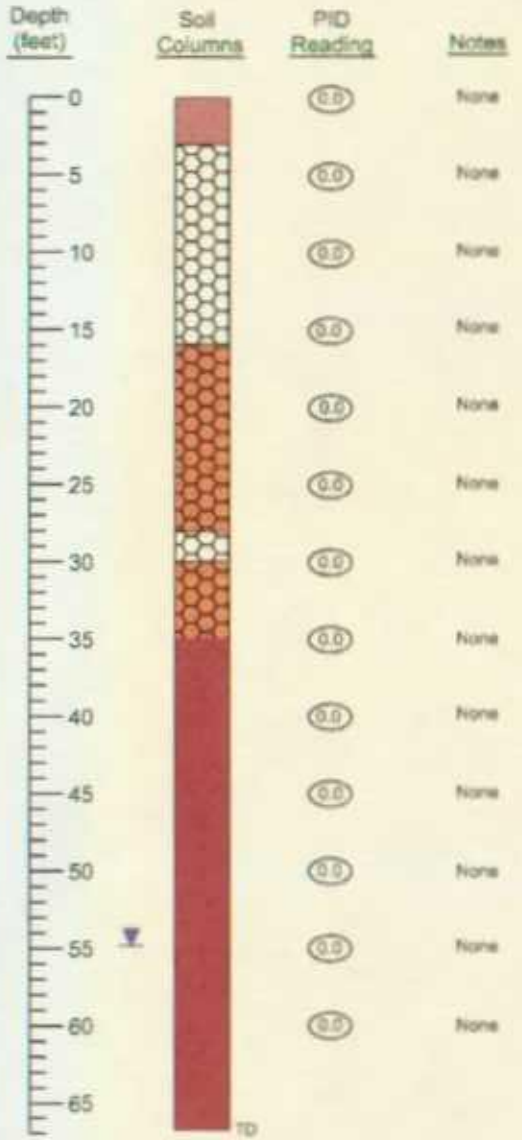
Monitoring Well - 9

EOTT Energy Corp. Darr Angell #2 Lea County, NM

Environmental Technology Group, Inc.

Scale: use scale	Prep By: LGM	Checked By: RE
Sept 27, 2002	ETGI Project # EOT 2020R	

Monitoring Well MW - 10



Monitoring Well Details

Date Drilled	12 - 12 - 01
Thickness of Bentonite Seal	3 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	67 ft
Depth of Exploratory Well	67 ft
Depth to Ground Water	55 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, Very Fine Grained, Well Sorted, at 0' - 3'.

Caliche Layer, at 3' - 16'.

Sand - (SP) - Red Tan, Very Fine Grained, Well Sorted with Caliche Debris, at 16' - 28'.

Caliche Layer, at 28' - 30'.

Sand - (SP) - Red Tan, Very Fine Grained, Well Sorted with Caliche Debris, at 30' - 35'.

Sand - (SP) - Red Brown, Very Fine Grained, Well Sorted, at 35' - 67'.

Indicates samples selected for laboratory analysis.

Indicates the ground water level measured on 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

Monitoring Well - 10

EOTT Energy Corp. Darr Angell #2 Lea County, NM

Environmental Technology Group, Inc.

Scale: use scale	Prep By: LGM	Checked By: JT
Sept. 27, 2002	ETGI Project # EOT 20209	

APPENDIX B

LABORATORY REPORTS

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#: 118367 **Report Date:** 08/30/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 0'-2'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 13:23

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]
TPH by GC (as diesel)	5.79	mg/Kg	1	<1	08/30/01	8015 mod	---	19.2	72.6	95.5	83
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

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Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 0'-2'
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Date Received: 08/21/2001 **Time:** 11:27
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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]
TPH by GC (as diesel)	5.79	mg/Kg	1	<1	08/30/01	8015 mod	---	19.2	72.6	95.5	83
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 0'-2'	**Report#/Lab ID#:** 118367 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	114	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	82.2	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118367 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Matina Smith
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 0'-2'

Sample Temperature/Condition <=6°C

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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

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance
TPH by GC (as gasoline)	P	limits.

Notes:

ANALYSYS INC.

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Client: Environmental Tech Group
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Phone: (915) 522-1139 **FAX:** (915) 520-4310

Report#/Lab ID#: 118368 **Report Date:** 08/30/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 5'-7'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 13:28

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]
TPH by GC (as diesel)	10.1	mg/Kg	1	<1	08/30/01	8015 mod	---	19.2	72.6	95.5	83
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Matina Smith	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 5'-7'	**Report#/Lab ID#:** 118368 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	121	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	107.4	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118368 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Matina Smith
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 5'-7'

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

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance
TPH by GC (as gasoline)	P	limits.

Notes:

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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#: 118369 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 10'-12'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 13:36

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]
TPH by GC (as diesel)	5.68	mg/Kg	1	<1	08/31/01	8015 mod	---	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	---	2.92	102	90	89.73

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 10'-12'	**Report#/Lab ID#:** 118369 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	75	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	100.8	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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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#: 118370 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 15'-17'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 13:42

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]
TPH by GC (as diesel)	5.85	mg/Kg	1	<1	08/31/01	8015 mod	---	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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(512) 444-5896 • FAX (512) 447-47[illegible]

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 15'-17'

Report#/Lab ID#: 118370
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	102	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	90.6	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118370 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 15'-17'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance
TPH by GC (as gasoline)	P	limits.

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#: 118371 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 20'-22'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 13:45

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]
TPH by GC (as diesel)	5.34	mg/Kg	1	<1	08/31/01	8015 mod	---	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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(512) 444-5896 • FAX (512) 447-47

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 20'-22'	**Report#/Lab ID#:** 118371 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	111	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	73.9	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118371 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 20'-22'

Sample Temperature/Condition <=6°C

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TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance
TPH by GC (as gasoline)	P	limits.

Notes:

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Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118372 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 25'-27'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **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]
TPH by GC (as diesel)	2.11	mg/Kg	1	<1	08/31/01	8015 mod	---	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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Respectfully Submitted,

Richard Laster

Richard Laster

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2209 N. Padre Island Dr.; Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-47

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 25'-27'	**Report#/Lab ID#:** 118372 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	85.8	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	83.6	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118372 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 25'-27'

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
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance
TPH by GC (as gasoline)	P	limits.

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#: 118373 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 30'-32'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 13:53

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]
TPH by GC (as diesel)	8.1	mg/Kg	1	<1	08/31/01	8015 mod	---	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-47

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 30'-32'	**Report#/Lab ID#:** 118373 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	110	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	80.1	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118373 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 30'-32'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
TPH by GC (as gasoline)	P	

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#: 118374 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 35'-37'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 13:58

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]
TPH by GC (as diesel)	5.23	mg/Kg	1	<1	08/31/01	8015 mod	---	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 35'-37'	**Report#/Lab ID#:** 118374 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	114	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	81.6	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118374 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 35'-37'

Sample Temperature/Condition <=6°C

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Sample Bottles & Preservation

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance
TPH by GC (as gasoline)	P	limits.

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#: 118375 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 40-42
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 14:02

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]
TPH by GC (as diesel)	4.78	mg/Kg	1	<1	08/31/01	8015 mod	---	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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(512) 444-5896 • FAX (512) 447-47

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 40-42	**Report#/Lab ID#:** 118375 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	103	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	89.9	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118375 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 40-42

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance
TPH by GC (as gasoline)	P	limits.

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#: 118376 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 45-47
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 14:07

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]
TPH by GC (as diesel)	<1	mg/Kg	1	<1	08/31/01	8015 mod	J	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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(512) 444-5896 • FAX (512) 447-47

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 45-47	**Report#/Lab ID#:** 118376 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	93.6	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	89.4	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118376 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 45-47

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as diesel)	J	See J-flag discussion above.
TPH by GC (as gasoline) TPH by GC (as gasoline)	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.

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#: 118377 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 50-52
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 14:09

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]
TPH by GC (as diesel)	<1	mg/Kg	1	<1	08/31/01	8015 mod	J	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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2209 N. Padre Island Dr., Corpus Christi, [redacted] 7840408
(512) 444-5896 • FAX (512) 447-47[redacted]

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 50-52	**Report#/Lab ID#:** 118377 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	118	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	86.7	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118377 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 50-52

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
TPH by GC (as diesel)	J	See J-flag discussion above.
TPH by GC (as gasoline) TPH by GC (as gasoline)	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.

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: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118378 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 55-57
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **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]
TPH by GC (as diesel)	10.8	mg/Kg	1	<1	08/31/01	8015 mod	---	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 55-57

Report#/Lab ID#: 118378
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	120	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	73.6	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118378 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 55-57

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.
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☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance
TPH by GC (as gasoline)	P	limits.

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#: 118379 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 60-62
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 14:25

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]
TPH by GC (as diesel)	8.61	mg/Kg	1	<1	08/31/01	8015 mod	---	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 60-62	**Report#/Lab ID#:** 118379 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	89.1	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	101.5	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118379 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 60-62

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
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance
TPH by GC (as gasoline)	P	limits.

Notes:

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Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118380 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 5 65-67
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/14/2001 **Time:** 14:37

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]
TPH by GC (as diesel)	8.91	mg/Kg	1	<1	08/31/01	8015 mod	---	28	106.4	98	111.3
TPH by GC (as diesel-ext)	---	---	---	---	08/27/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	---	2.92	102	90	89.73

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-47[illegible]

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 5 65-67	**Report#/Lab ID#:** 118380 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	106	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	84.3	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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#: 118315 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 0'-2'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **Time:** 11:20

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]
TPH by GC (as diesel)	<1	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/24/01	8015 mod.	---	0.13	104	108.3	108.04

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 0'-2'	**Report#/Lab ID#:** 118315 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	54.9	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	85	50 - 150	---

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#: 118316 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 5'-7'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **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]
TPH by GC (as diesel)	2.67	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/24/01	8015 mod.	---	0.13	104	108.3	108.04

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Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-47[redacted]

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 5'-7'	**Report#/Lab ID#:** 118316 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	61.3	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	92.6	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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#: 118317 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 10'-12'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **Time:** 11:40

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]
TPH by GC (as diesel)	8.92	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/24/01	8015 mod.	---	0.13	104	108.3	108.04

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Richard Laster

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(512) 444-5896 • FAX (512) 447-4

Client: Environmental Tech Group	**Project ID:** DARR ANGELL 2 EOT 2020R	**Report#/Lab ID#:** 118317
Attn: Ken Dutton	**Sample Name:** MW 6 10'-12'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	93.4	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	84.8	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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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#: 118318 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 15'-17'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **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]
TPH by GC (as diesel)	10.1	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/24/01	8015 mod.	---	0.13	104	108.3	108.04

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ANALYSYS INC.
4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 15'-17'	**Report#/Lab ID#:** 118318 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	89.8	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	83.4	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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#: 118319 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 20'-22'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **Time:** 12:09

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]
TPH by GC (as diesel)	4	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/24/01	8015 mod.	---	0.13	104	108.3	108.04

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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:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 20'-22'	**Report#/Lab ID#:** 118319 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	76.1	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	79.6	50 - 150	---

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#: 118320 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 25'-27'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **Time:** 12:15

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]
TPH by GC (as diesel)	6.41	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/24/01	8015 mod.	---	0.13	104	108.3	108.04

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 25'-27'	**Report#/Lab ID#:** 118320 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	83	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	84.2	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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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#: 118321 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 30'-32'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **Time:** 12:40

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]
TPH by GC (as diesel)	6.34	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 30'-32'	**Report#/Lab ID#:** 118321 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	67.8	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	83.3	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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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#: 118322 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 35'-37'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **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]
TPH by GC (as diesel)	33	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-47[illegible]

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 35'-37'	**Report#/Lab ID#:** 118322 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	59.6	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	99.1	50 - 150	---

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#: 118323 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 40'-42'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **Time:** 13:36

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]
TPH by GC (as diesel)	167	mg/Kg	10	<10	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	10.2	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 40'-42'	**Report#/Lab ID#:** 118323 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	59.2	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	87.1	50 - 150	---

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#: 118324 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 45'-47'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **Time:** 13:45

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]
TPH by GC (as diesel)	194	mg/Kg	10	<10	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	18.5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 45'-47'	**Report#/Lab ID#:** 118324 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	80	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	90.9	50 - 150	---

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#: 118325 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 50-52
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **Time:** 13:50

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]
TPH by GC (as diesel)	13.8	mg/Kg	2	<2	09/05/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 50-52	**Report#/Lab ID#:** 118325 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	51	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	79	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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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#: 118326 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 55'-57'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **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]
TPH by GC (as diesel)	5.68	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-47[redacted]

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 55'-57'	**Report#/Lab ID#:** 118326 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	91.6	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	84.8	50 - 150	---

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#: 118327 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 6 60'-62'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/15/2001 **Time:** 14:10

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]
TPH by GC (as diesel)	6.12	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 6 60'-62'	**Report#/Lab ID#:** 118327 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	81.1	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	82.4	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118328 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 0'-2'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 07:30

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]
TPH by GC (as diesel)	<1	mg/Kg	1	<1	08/31/01	8015 mod	J	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 0'-2'	**Report#/Lab ID#:** 118328 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	97.5	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	87.7	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118328 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 0'-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
TPH by GC (as diesel)	J	See J-flag discussion above.

Notes:

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Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118329 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 5'-7'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 07:37

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]
TPH by GC (as diesel)	2.58	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 5'-7'	**Report#/Lab ID#:** 118329 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	68.7	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	81.4	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118330 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 10'-12'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 07:44

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]
TPH by GC (as diesel)	2.65	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Client: Environmental Tech Group	**Project ID:** DARR ANGELL 2 EOT 2020R	**Report#/Lab ID#:** 118330
Attn: Ken Dutton	**Sample Name:** MW 7 10'-12'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	119	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	89.6	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118331 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 15-17'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 07:50

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]
TPH by GC (as diesel)	2.9	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 15-17'	**Report#/Lab ID#:** 118331 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	105	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	84.3	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Report#/Lab ID#: 118332 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 20-22'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 08:00

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]
TPH by GC (as diesel)	2.58	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 20-22'	**Report#/Lab ID#:** 118332 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	104	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	92.5	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Report#/Lab ID#: 118333 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 25'-27'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 08:15

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]
TPH by GC (as diesel)	1.39	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 25'-27'	**Report#/Lab ID#:** 118333 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	65.1	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	84.1	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118334 **Report Date:** 09/04/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 30'-32'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 08:25

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]
TPH by GC (as diesel)	2.04	mg/Kg	1	<1	08/31/01	8015 mod	---	14	74.3	102.7	94.8
TPH by GC (as diesel-ext)	---	---	---	---	08/29/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	---	0.96	95.2	104	106.26

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Richard Laster

Richard Laster

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ANALYSYS INC.
4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 30'-32'	**Report#/Lab ID#:** 118334 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	85.2	50-150	---
Chlorobenzene-d5(Sur)	8015 mod.	87.2	50 - 150	---

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: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118335 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 35-37
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 09:20

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]
TPH by GC (as diesel)	5.83	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 35-37	**Report#/Lab ID#:** 118335 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	106	50-150	---
1,2-Dichloroethane-d4	8015 mod.	86.2	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118335 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 35-37

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.
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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
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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#: 118336 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 40'-42'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **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]
TPH by GC (as diesel)	4.68	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-47

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 40'-42'	**Report#/Lab ID#:** 118336 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	74.1	50-150	---
1,2-Dichloroethane-d4	8015 mod.	72.8	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118336 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 40'-42'

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.
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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
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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#: 118337 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 45'-47'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 09:35

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]
TPH by GC (as diesel)	4.45	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 45'-47'

Report#/Lab ID#: 118337
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	98.8	50-150	---
1,2-Dichloroethane-d4	8015 mod.	73.1	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118337 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 45'-47'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

Notes:

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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#: 118338 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 50'-52'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 09:41

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]
TPH by GC (as diesel)	8.32	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 50'-52'	**Report#/Lab ID#:** 118338 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	89.5	50-150	---
1,2-Dichloroethane-d4	8015 mod.	74.2	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118338 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 50'-52'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

Notes:

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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#: 118339 **Report Date:** 09/07/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 55'-57'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 09:45

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]
TPH by GC (as diesel)	<1	mg/Kg	1	<1	09/06/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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2209 N. Padre Island Dr.; Corpus Christi, [redacted] 7840408
(512) 444-5896 • FAX (512) 447-47[redacted]

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 55'-57'	**Report#/Lab ID#:** 118339 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	63.5	50-150	---
1,2-Dichloroethane-d4	8015 mod.	83.8	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118339 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 55'-57'

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

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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#: 118340 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 60'-62'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **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]
TPH by GC (as diesel)	5.86	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Respectfully Submitted,

Richard Laster

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(512) 444-5896 • FAX (512) 447-476[illegible]

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 7 60'-62'	**Report#/Lab ID#:** 118340 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	104	50-150	---
1,2-Dichloroethane-d4	8015 mod.	91.1	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118340 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 7 60'-62'

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.
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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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#: 118341 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 0'-2'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **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]
TPH by GC (as diesel)	14.5	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 8 0'-2'	**Report#/Lab ID#:** 118341 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	70.6	50-150	---
1,2-Dichloroethane-d4	8015 mod.	89.6	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118341 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 0'-2'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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#: 118342 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 5'-7'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 11:07

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]
TPH by GC (as diesel)	3.57	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 8 5'-7'	**Report#/Lab ID#:** 118342 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	52.2	50-150	---
1,2-Dichloroethane-d4	8015 mod.	75.5	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118342 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 5'-7'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance 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#: 118343 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 810'-12'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **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]
TPH by GC (as diesel)	10.9	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 810'-12'	**Report#/Lab ID#:** 118343 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	91.7	50-150	---
1,2-Dichloroethane-d4	8015 mod.	79.8	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118343 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 810'-12'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance 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#: 118344 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 815'-17'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 11:22

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]
TPH by GC (as diesel)	4.25	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 815'-17'	**Report#/Lab ID#:** 118344 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	100	50-150	---
1,2-Dichloroethane-d4	8015 mod.	67.9	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118344 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 815'-17'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118345 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 820-22
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 11:29

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]
TPH by GC (as diesel)	3.69	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 820-22	**Report#/Lab ID#:** 118345 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	91.2	50-150	---
1,2-Dichloroethane-d4	8015 mod.	89.5	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118345 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 820-22

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
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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#: 118346 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 25'-27'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 11:34

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]
TPH by GC (as diesel)	3.99	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 8 25'-27'	**Report#/Lab ID#:** 118346 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	94.7	50-150	---
1,2-Dichloroethane-d4	8015 mod.	81.8	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118346 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 25'-27'

Sample Temperature/Condition <=6°C

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Sample Bottles & Preservation

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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#: 118347 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 30'-32'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 11:39

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]
TPH by GC (as diesel)	4.09	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 8 30'-32'	**Report#/Lab ID#:** 118347 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	85.1	50-150	---
1,2-Dichloroethane-d4	8015 mod.	83.2	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118347 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 30'-32'

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

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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#: 118348 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 35'-37'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 11:47

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]
TPH by GC (as diesel)	11.5	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 8 35'-37'	**Report#/Lab ID#:** 118348 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	91.9	50-150	---
1,2-Dichloroethane-d4	8015 mod.	78.2	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118348 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 35'-37'

Sample Temperature/Condition <=6°C

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Sample Bottles & Preservation

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

Notes:

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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#: 118349 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 40'-42'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 11:52

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]
TPH by GC (as diesel)	3.11	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group	**Project ID:** DARR ANGELL 2 EOT 2020R	**Report#/Lab ID#:** 118349
Attn: Ken Dutton	**Sample Name:** MW 8 40'-42'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	93.8	50-150	---
1,2-Dichloroethane-d4	8015 mod.	78.4	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118349 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 40'-42'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
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Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118350 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 45'-47'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **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]
TPH by GC (as diesel)	3.32	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 45'-47'

Report#/Lab ID#: 118350
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	82.8	50-150	---
1,2-Dichloroethane-d4	8015 mod.	84.6	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118350 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 45'-47'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

Notes:

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Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118351 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 50'-52'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 12:15

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]
TPH by GC (as diesel)	2.82	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 50'-52'

Report#/Lab ID#: 118351
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	96.2	50-150	---
1,2-Dichloroethane-d4	8015 mod.	77.7	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118351 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 50'-52'

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
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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#: 118352 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 55'-57'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 12:20

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]
TPH by GC (as diesel)	6.53	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 8 55'-57'	**Report#/Lab ID#:** 118352 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	82.5	50-150	---
1,2-Dichloroethane-d4	8015 mod.	68.8	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118352 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 55'-57'

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
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

Notes:

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Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118353 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 60'-62'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 12:28

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]
TPH by GC (as diesel)	8.12	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 60'-62'

Report#/Lab ID#: 118353
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	104	50-150	---
1,2-Dichloroethane-d4	8015 mod.	75.9	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118353 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 8 60'-62'

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
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

Notes:

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Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118354 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 0'-2'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 13:35

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]
TPH by GC (as diesel)	<1	mg/Kg	1	<1	09/04/01	8015 mod	---	3.8	97.8	104.7	100.5
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/25/01	8015 mod.	S1	11.63	127.7	136.8	145.09

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 0'-2'

Report#/Lab ID#: 118354
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	100	50-150	---
1,2-Dichloroethane-d4	8015 mod.	79.3	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118354 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 0'-2'

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	S1	MS and/or MSD recoveries outside advisory/acceptance limits & either no LCS or LCS recovery outside advisory/acceptance limits.

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#: 118355 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 5'-7'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 13:44

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]
TPH by GC (as diesel)	3.62	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 5'-7'	**Report#/Lab ID#:** 118355 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	85.7	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	85	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.
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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#: 118356 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 10-12
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 13:51

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]
TPH by GC (as diesel)	7.28	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 10-12	**Report#/Lab ID#:** 118356 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	87.1	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	83.5	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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Client: Environmental Tech Group
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Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 118357 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 15'-17'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 14:05

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]
TPH by GC (as diesel)	6.19	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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Richard Laster

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ANALYSYS INC.
4221 Friedrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 15'-17'	**Report#/Lab ID#:** 118357 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	77.9	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	88.6	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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#: 118358 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 20'-22'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 14:10

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]
TPH by GC (as diesel)	6.73	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 20'-22'	**Report#/Lab ID#:** 118358 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	59.5	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	63.4	50 - 150	---

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#: 118359 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 25'-27'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **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]
TPH by GC (as diesel)	4.46	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 25'-27'	**Report#/Lab ID#:** 118359 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	87	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	86.3	50 - 150	---

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#: 118360 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 30'-32'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 14:19

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]
TPH by GC (as diesel)	4.81	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 30'-32'

Report#/Lab ID#: 118360
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	92.2	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	97.3	50 - 150	---

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#: 118361 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 35'-37'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 14:25

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]
TPH by GC (as diesel)	3.79	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 35'-37'	**Report#/Lab ID#:** 118361 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	85.3	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	81.2	50 - 150	---

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#: 118362 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 40'-42'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **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]
TPH by GC (as diesel)	1.92	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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(512) 444-5896 • FAX (512) 447-470

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 40'-42'	**Report#/Lab ID#:** 118362 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	87.3	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	92.6	50 - 150	---

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#: 118363 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 45'-47'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 14:35

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]
TPH by GC (as diesel)	5.24	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 45'-47'	**Report#/Lab ID#:** 118363 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	99.9	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	80.3	50 - 150	---

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#: 118364 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 50'-52'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 14:41

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]
TPH by GC (as diesel)	2.5	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 50'-52'	**Report#/Lab ID#:** 118364 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	73.3	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	72.9	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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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#: 118365 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 55'-57'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **Time:** 14:49

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]
TPH by GC (as diesel)	3.57	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/29/01	8015 mod.	---	2.92	102	90	89.73

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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.

2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 55'-57'	**Report#/Lab ID#:** 118365 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	68	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	81.5	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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#: 118366 **Report Date:** 09/06/01
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 60'-62'
Sample Matrix: soil
Date Received: 08/21/2001 **Time:** 11:27
Date Sampled: 08/16/2001 **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]
TPH by GC (as diesel)	9.33	mg/Kg	1	<1	09/04/01	8015 mod	---	17.9	96	91.6	111.1
TPH by GC (as diesel-ext)	---	---	---	---	08/30/01	3540	---	-NA-	-NA-	-NA-	-NA-
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	08/28/01	8015 mod.	P	18.09	81.3	105.8	96.61

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-476

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EOT 2020R **Sample Name:** MW 9 60'-62'	**Report#/Lab ID#:** 118366 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
p-Terphenyl	8015 mod	93	50-150	---
1,2-Dichloroethane-d4(Surr)	8015 mod.	76.7	50 - 150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 118366 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: DARR ANGELL 2 EOT 2020R
Sample Name: MW 9 60'-62'

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
TPH by GC (as gasoline)	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance
TPH by GC (as gasoline)	P	limits.

Notes:

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Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: DARR ANGELL 2 EOT2020R Sampler: Tina 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)	TPH 8015 DRO/GRO	Comments
MW5 40-42	8-14-01	1402	1	X			118375	X	
MW5 45-47		1407					118376		
MW5 50-52		1409					118377		
MW5 55-57		1415					118378		
MW5 60-62		1425					118379		
MW5 65-67		1437					118380		

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Temp. 1.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Tina Casas		8-29-01		[illegible]	AST	8-29-01	1127

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

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COC# 109 1/17

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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#: DARR ANGELL 2 EOT 2020R 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)	TPH 8015 DRO/GRO								Comments
MW 6 0'-2'	8-15-01	1120	1	✓			118315	X								
MW 6 5'-7'		1130					118316									
MW 6 10'-12'		1140					118317									
MW 6 15'-17'		1200					118318									
MW 6 20'-22'		1209					118319									
MW 6 25'-27'		1215					118320									
MW 6 30'-32'		1240					118321									
MW 6 35'-37'		1330					118322									
MW 6 40'-42'		1334					118323									
MW 6 45'-47'	↓	1345	↓	↓			118324	↓								

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Temp. 1.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas		8-20-01		E. Hitt	ASI	8-21-01	11:27

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City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: DARK ANGEL 2 Sampler: Simon Casas
EOT 2020 R

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)	TPH 6015 DRO/GRO	Comments
MW 6 50-52	8.15.01	1350	1	X			118325	X	
MW 6 55-57'	↓	1400					118326		
MW 6 60-62'	↓	1410					118327		
MW 7 0-2'	8-16-01	0730					118328		
MW 7 5-7'		0737					118329		
MW 7 10-12'		0744					118330		
MW 7 15-17'		0750					118331		
MW 7 20-22'		0800					118332		
MW 7 25-27'		0815					118333		
MW 7 30-32'	↓	0825	↓	↓			118334	↓	

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Temp. 1.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas		8-20-01		E. Lee	ASI	8-21-01	11:27

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Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: DARR ANGELL 2 Sampler:
EOT 2020R

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)	TPH 8015 TPO/GRO	Comments
MW 7- 35-37	8-16-01	0920	1	X			118335	X	
MW 7 40-42'		0930					118336		
MW 7 45-47'		0935					118337		
MW 7 50-52'		0941					118338		
MW 7 55-57'		0945					118339		
MW 7 60-62'		1015					118340		
MW 8 0-2'		1100					118341		
MW 8 5-7'		1107					118342		
MW 8 10-12'		1115					118343		
MW8 15-17'	↓	1122	↓	↓			118344	↓	

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Temp. 1.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Cason		8-20-01		E. Zamora	ASI	8-21-01	11:27

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Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: DODD ANGELL 2 EOT 2020 R 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)	TPH 8015 DRO/GRO	Comments
mw 8 20-22	8-16-01	1129	1	X			118345	X	
mw 8 25-27'		1134					118346		
mw 8 30'-32'		1139					118347		
mw 8 35-37'		1147					118348		
mw 8 40-42'		1152					118349		
mw 8 45-47'		1200					118350		
mw 8 50-52'		1215					118351		
mw 8 55-57		1220					118352		
mw 8 60-62'		1228					118353		
mw 9 0'-2'	↓	1335	↓	↓			118354	✓	

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Temp. 1.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas		8-20-01		E. Hall	ASI	8-21-01	11:27

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Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: DARR ANGELL 2 EOT 2020R Sampler: Simon Cano

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)	TPH 8015 DRO/GRO	Comments
MW9 5-7'	8-16-01	1344	1	X			118355	X	
MW 9 10-12		1351					118356		
MW 9 15-17'		1405					118357		
MW 9 20'-22'		1410					118358		
MW 9 25-27'		1415					118359		
MW 9 30'-32'		1419					118360		
MW 9 35-37'		1425					118361		
MW 9 40-42'		1430					118362		
MW 9 45-47'		1435					118363		
MW 9 50-52'	✓	1441	✓	✓			118364	✓	

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Temp. 1.0 °C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Cano		8-20-01		E. Lee	ASI	8-21-01	1127

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

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Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: DARR ANGELL 2 EOT 2020R Sampler: Sina Cajas

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)	TPH 8015 200/PO								Comments
MW9 55-57'	8-16-01	1449	1	X			118365	X								
MW9 60-62'	↓	1500	↓	↓			118366	↓								
MW 5 0-2'	8-14-01	1323					118367									
MW 5 5-7'		1328					118368									
MW5 10-12'		1334					118369									
MW 5 15-17'		1342					118370									
MW 5 20-22'		1345					118371									
MW 5 25-27'		1348					118372									
MW 5 30-32'		1353					118373									
MW 5 35-37'	↓	1358	↓	↓			118374	↓								

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Temp. 1.0 °C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Sina Cajas		8-20-01		E. Hess	ASI	8-21-01	11:27

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

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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#: 124234 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 5-7
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **Time:** 09:00

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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	6.6	72.5	92.2	123.5
TPH by GC (as diesel-ext)	---	---	---	---	12/21/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	4.8	86.7	90.2	128

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

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:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 5-7	**Report#/Lab ID#:** 124234 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	113	50-150	---
p-Terphenyl	8015 mod.	102	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124234 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 5-7

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
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

AnalySys Inc.

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Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 124235 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 10-12
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **Time:** 09:05

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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	6.6	72.5	92.2	123.5
TPH by GC (as diesel-ext)	---	---	---	---	12/22/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	4.8	86.7	90.2	128

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Respectfully Submitted,

Richard Laster

Richard Laster

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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:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 10-12	**Report#/Lab ID#:** 124235 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	97.2	50-150	---
p-Terphenyl	8015 mod.	68.9	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124235 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 10-12

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.
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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
TPH by GC (as gasoline)	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#: 124236 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 15-17
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **Time:** 09:12

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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	6.6	72.5	92.2	123.5
TPH by GC (as diesel-ext)	---	---	---	---	12/23/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	4.8	86.7	90.2	128

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 15-17	**Report#/Lab ID#:** 124236 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	97.1	50-150	---
p-Terphenyl	8015 mod.	101	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124236 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 15-17

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
TPH by GC (as gasoline)	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#: 124237 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 20-22
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	6.6	72.5	92.2	123.5
TPH by GC (as diesel-ext)	---	---	---	---	12/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	4.8	86.7	90.2	128

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Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 20-22	**Report#/Lab ID#:** 124237 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	85.3	50-150	---
p-Terphenyl	8015 mod.	89.5	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124237 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 20-22

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
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

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Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 124238 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 25-27
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **Time:** 09:37

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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	6.6	72.5	92.2	123.5
TPH by GC (as diesel-ext)	---	---	---	---	12/25/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	4.8	86.7	90.2	128

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 25-27	**Report#/Lab ID#:** 124238 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	89.9	50-150	---
p-Terphenyl	8015 mod.	108	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124238 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 25-27

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
TPH by GC (as gasoline)	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#: 124239 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 30-32
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **Time:** 09:49

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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	6.6	72.5	92.2	123.5
TPH by GC (as diesel-ext)	---	---	---	---	12/26/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	4.8	86.7	90.2	128

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 30-32	**Report#/Lab ID#:** 124239 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	107	50-150	---
p-Terphenyl	8015 mod.	96.1	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124239 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 30-32

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	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#: 124240 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 35-37
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	6.6	72.5	92.2	123.5
TPH by GC (as diesel-ext)	---	---	---	---	12/26/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	4.8	86.7	90.2	128

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 35-37	**Report#/Lab ID#:** 124240 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	108	50-150	---
p-Terphenyl	8015 mod.	104	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124240 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 35-37

Sample Temperature/Condition <=6°C

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- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	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: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 124241 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 40-42
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **Time:** 10:09

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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	6.6	72.5	92.2	123.5
TPH by GC (as diesel-ext)	---	---	---	---	12/26/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	4.8	86.7	90.2	128

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 40-42	**Report#/Lab ID#:** 124241 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	91.4	50-150	---
p-Terphenyl	8015 mod.	108	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124241 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 40-42

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	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#: 124242 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 45-47
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **Time:** 10:27

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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	1.9	81	91.8	95.7
TPH by GC (as diesel-ext)	---	---	---	---	12/21/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	6.8	81.5	101.1	117

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 45-47	**Report#/Lab ID#:** 124242 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	124	50-150	---
p-Terphenyl	8015 mod.	106	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124242 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 45-47

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
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

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Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 124243 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 50-52
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **Time:** 10:38

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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	1.9	81	91.8	95.7
TPH by GC (as diesel-ext)	---	---	---	---	12/21/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	6.8	81.5	101.1	117

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Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 50-52	**Report#/Lab ID#:** 124243 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	123	50-150	---
p-Terphenyl	8015 mod.	99.8	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124243 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 50-52

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
TPH by GC (as gasoline)	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#: 124244 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 55-57
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **Time:** 10:50

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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	1.9	81	91.8	95.7
TPH by GC (as diesel-ext)	---	---	---	---	12/21/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	6.8	81.5	101.1	117

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Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 55-57	**Report#/Lab ID#:** 124244 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	116	50-150	---
p-Terphenyl	8015 mod.	91.6	50-150	---

Data Qualifiers: *D= Surrogates diluted and X= Surrogates outside advisory recovery limits.*

Exceptions Report:

Report #/Lab ID#: 124244 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 55-57

Sample Temperature/Condition <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	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#: 124245 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 60-62
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	1.9	81	91.8	95.7
TPH by GC (as diesel-ext)	---	---	---	---	12/21/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	6.8	81.5	101.1	117

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 60-62	**Report#/Lab ID#:** 124245 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	97	50-150	---
p-Terphenyl	8015 mod.	110	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124245 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 60-62

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	J	See J-flag discussion above.

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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#: 124246 **Report Date:** 12/27/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 65-67
Sample Matrix: soil
Date Received: 12/21/2001 **Time:** 12:37
Date Sampled: 12/12/2001 **Time:** 11:10

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]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	---	1.9	81	91.8	95.7
TPH by GC (as diesel-ext)	---	---	---	---	12/21/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/26/01	8015 mod.	J	6.8	81.5	101.1	117

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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:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 10 65-67	**Report#/Lab ID#:** 124246 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	88.2	50-150	---
p-Terphenyl	8015 mod.	111	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 124246 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10 65-67

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
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

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#: DARR WELL 2 Sampler: Simon Casas
EOT 2020R

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)	TPH 8015 DRO/GRO #1037	Comments
MW 10 5-7	12-20-01	0900	1	X			124234	X	
MW 10 10-12		0905					124235		
MW 10 15-17		0912					124236		
MW 10 20-22		0930					124237		
MW 10 25-27		0937					124238		
MW 10 30-32		0949					124239		
MW 10 35-37		1000					124240		
MW 10 40-42		1009					124241		
MW 10 45-47		1027					124242		
MW 10 50-52	↓	1038	↓	↓			124243	↓	

(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	ETGI	12-20-01	1500	E. [illegible]	ASI	12-21-01	12:37

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ULT'ZD

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# DARK ANGEL 2 Sampler: Simon Cain
EOT 20202

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)	TPH 8015 mod. (1)	Comments
MW 10 55-57	12-12-01	1060	1	X			124244	X	
MW 10 60-62	↓	1100		↓			124245	↓	
MW 10 65-67	↓	1110		↓			124246	↓	

(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 Cain	ETGI	12-20-01	1500	E. Hill	ASI	12-21-01	12:37

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

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: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 47 deg. F
Project #: EOT 1020R
Project Name: Darr Angel
Project Location: Lea County, N.M.

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

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
25565	MW 4	<0.001	<0.001	<0.001	<0.001	<0.001
25566	MW 7	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	106	100	103	113	102
	% EA	101	96	98	105	97
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Umesh Rao, Ph. D.

5/17/00
Date

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4645
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 47 deg. F
Project #: EOT 1020R
Project Name: Darr Angel
Project Location: Lea County, N.M.

Sampling Date: 05/05/00
Receiving Date: 05/05/00
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
25565	MW-4	154	71	<5	350	654
25566	MW-7	69.4	27	<5	227	399
	QUALITY CONTROL	56.4	5140	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	113	103	*	*	*
	ANALYSIS DATE	05/10/0	05/09/00	05/10/00	05/10/00	05/09/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Umesh Rao

Umesh Rao, Ph. D.

5/17/00
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/HNO3/ 47 deg. F
Project #: EOT 1020R
Project Name: Darr Angel
Project Location: Lea County, N.M.

Sample Date: 05/05/00
Receiving Date: 05/05/00
Analysis Date: 05/16/00
Analysis Date: Hg 05/12/00

Analyte (mg/L)	MW 4 25565	MW 7 25566	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	0.0740	0.6470	0.0500	98	102	<0.0500	5.29
Arsenic	ND	0.0060	0.0050	102	106	<0.0050	3.70
Barium	0.1550	0.0860	0.0100	96	95	<0.0100	2.52
Beryllium	ND	ND	0.0040	102	100	<0.0040	3.92
Cadmium	ND	ND	0.0010	94	92	<0.0010	1.98
Calcium	135.0	78.20	1.000	95	*	<1.000	0.00
Chromium	ND	ND	0.0050	98	98	<0.0050	2.52
Cobalt	ND	ND	0.0200	96	94	<0.0200	2.32
Copper	ND	ND	0.0100	96	98	<0.0100	2.82
Iron	0.0570	0.3420	0.0500	96	111	<0.0500	7.04
Lead	ND	ND	0.0030	90	96	<0.0030	4.08
Magnesium	23.50	12.10	1.000	97	*	<1.000	0.00
Manganese	ND	0.0390	0.0150	97	95	<0.0150	2.35
Mercury	ND	ND	0.00020	96	99	<0.00020	5.18
Molybdenum	ND	ND	0.050	98	96	<0.050	3.27
Nickel	ND	ND	0.0100	96	93	<0.0100	2.33
Potassium	3.680	3.120	1.000	86	*	<1.000	4.23
Selenium	ND	ND	0.0050	96	94	<0.0050	4.17
Silver	ND	ND	0.00500	98	98	<0.0050	4.00
Sodium	71.30	54.70	1.000	115	*	<1.000	0.18
Tin	ND	ND	0.0500	100	95	<0.0500	3.82
Vanadium	0.0300	0.0510	0.0200	97	97	<0.0200	2.25
Zinc	ND	ND	0.0200	96	96	<0.0200	2.06
Boron	0.204	0.158	0.050	104	106	<0.050	0.94
Strontium	0.628	0.424	0.050	102	93	<0.050	2.47

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Umesh Rao, Ph. D.

5/17/00
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/HCl/ 47 deg. F
Project #: EOT 1020R
Project Name: Darr Angel
Project Location: Lea County, N.M.
Field Code: MW 4

Sampling Date: 05/05/00
Receiving Date: 05/05/00
Analysis Date: 05/12/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 25565	RPD	%EA	%DEV
Naphthalene	0.005	ND			0.4
Acenaphthylene	0.005	ND			3.9
Acenaphthene	0.005	ND	20	84	-9.8
Fluorene	0.005	ND			-9.6
Phenanthrene	0.005	ND			-2.4
Anthracene	0.005	ND			-3.6
Fluoranthene	0.005	ND			-4.9
Pyrene	0.005	ND	16	96	-9.6
Benzo[a]anthracene	0.005	ND			-6.1
Chrysene	0.005	ND			-6.8
Benzo[b]fluoranthene	0.005	ND			16.1
Benzo[k]fluoranthene	0.005	ND			-11.0
Benzo [a]pyrene	0.005	ND			0.4
Indeno[1,2,3-cd]pyrene	0.005	ND			2.8
Dibenz[a,h]anthracene	0.005	ND			2.4
Benzo[g,h,i]perylene	0.005	ND			8.9

	% RECOVERY
Nitrobenzene-d5 SURR	185*
2-Fluorobiphenyl SURR	245*
Terphenyl-d14 SURR	308*

ND= not detected at reporting limit
Method: EPA SW 846 8270C , 3510
*NOTE: Matrix Interference

Umesh Rao

Umesh Rao, Ph. D.

5/17/00

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
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/HCl/ 47 deg. F
Project #: EOT-1020R
Project Name: Darr Angel
Project Location: Lea County, N.M.
Field Code: MW 7

Sampling Date: 05/05/00
Receiving Date: 05/05/00
Analysis Date: 05/12/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 25566	RPD	%EA	%DEV
Naphthalene	0.005	ND			0.4
Acenaphthylene	0.005	ND			3.9
Acenaphthene	0.005	ND	20	84	-9.8
Fluorene	0.005	ND			-9.6
Phenanthrene	0.005	ND			-2.4
Anthracene	0.005	ND			-3.6
Fluoranthene	0.005	ND			-4.9
Pyrene	0.005	ND	16	96	-9.6
Benzo[a]anthracene	0.005	ND			-6.1
Chrysene	0.005	ND			-6.8
Benzo[b]fluoranthene	0.005	ND			16.1
Benzo[k]fluoranthene	0.005	ND			-11.0
Benzo [a]pyrene	0.005	ND			0.4
Indeno[1,2,3-cd]pyrene	0.005	ND			2.8
Dibenz[a,h]anthracene	0.005	ND			2.4
Benzo[g,h,i]perylene	0.005	ND			8.9

	% RECOVERY
Nitrobenzene-d5 SURR	198*
2-Fluorobiphenyl SURR	135*
Terphenyl-d14 SURR	141*

ND= not detected at reporting limit
Method: EPA SW 846 8270C , 3510
*NOTE: Matrix Interference

Umesh Rao, Ph. D.

5/17/00
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 135

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

Company Name & Address: ETGI
P.O. Box 4945 Midland TX 79704

Project #: EOT 1020R
Project Name: DARR ANGEE

Project Location: Lea County, NM
Sampler Signature: Jesse Coon

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 160.1	RCI	CHLORIDES 6010	ANIONS 300.0	PAH 8100 or 8270	TOTAL METALS 6010
25565	MW 4	5	4 oz	X					X	X	X			5-5-00	0950	X						X		X	X	X	X
25566	MW 7	↓	↓	↓					↓	↓	↓			↓	1040	↓						↓		↓	↓	↓	↓

Relinquished by:	Date:	Time:	Received by:	REMARKS
Jesse Coon	5-5-00	1200		Phone Results to K. Dutton
Relinquished by:	Date:	Time:	Received by:	4.7°F
Relinquished by:	Date: 5/5/00	Time: 15:00	Received by Laboratory: Kelly Keene	Invoice EOT 1015 AP

May 17 00 08:19a p.6

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt."

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4645
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

SampleType: Soil
Sample Condition: intact/ Iced/ 32 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.

Sampling Date: 05/17/00
Receiving Date: 05/17/00
Analysis Date: 05/22/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
25839	SS01 North Wall Pipeline 2'	<0.100	0.122	<0.100	0.121	<0.100
25840	SS02 North Wall West 2'	<0.100	0.136	<0.100	0.147	0.112
25841	SS03 North Wall East 2'	<0.100	<0.100	<0.100	<0.100	<0.100
25842	SS04 West Wall A. Pipeline 2'	<0.100	0.173	0.171	0.203	0.341
25843	SS05 East Wall A. Pipeline 2'	<0.100	0.282	0.188	0.335	0.272
25844	SS06 South Wall West 2'	<0.100	<0.100	<0.100	0.279	0.162
25845	SS07 South Wall East 2'	<0.100	0.254	0.184	1.83	1.42
25846	SS08 South Wall Pipeline 2'	<0.100	<0.100	<0.100	<0.100	<0.100
25847	SS09 Stock Pile B NW	0.123	2.210	1.080	1.640	0.681
25848	SS10 Stock Pile B NE 1'	<0.100	0.199	0.339	0.361	0.303
25849	SS11 Stock Pile B SW 1'	<0.100	0.142	0.259	0.243	0.250
25850	SS12 Stock Pile B SE 1'	<0.100	<0.100	0.467	0.371	0.353
25851	SS13 Stock Pile A South 1'	<0.100	0.250	<0.100	0.164	<0.100
25852	SS14 Stock Pile A North 1'	<0.100	<0.100	<0.100	0.172	<0.100
	% IA	107	102	102	112	102
	% EA	99	97	96	107	92
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Umesh Rao

Umesh Rao, Ph. D.

5/24/00
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: 915-520-4310
FAX: 505-392-3760

SampleType: Soil
Sample Condition: Intact/ 32 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.

Sampling Date: 05/17/00
Receiving Date: 05/17/00
Analysis Date: 05/19/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
25839	SS01 North Wall Pipeline 2'	<10	<10
25840	SS02 North Wall West 2'	594	13720
25841	SS03 North Wall East 2'	12	5284
25842	SS04 West Wall A. Pipeline 2'	661	24538
25843	SS05 East Wall A. Pipeline 2'	626	19579
25844	SS06 South Wall West 2'	561	8977
25845	SS07 South Wall East 2'	902	3656
25846	SS08 South Wall Pipeline 2'	<10	197
25847	SS09 Stock Pile B NW 1'	381	8749
25848	SS10 Stock Pile B NG 1'	451	7743
25849	SS11 Stock Pile B SW 1'	199	6863
25850	SS12 Stock Pile B SE 1'	243	7697
25851	SS13 Stock Pile A South 1'	<10	933
25852	SS14 Stock Pile A North 1'	<10	112
	% IA	97	95
	% EA	115	97
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Umesh Rao

Umesh Rao, Ph. D.

5/22/00
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 # 139

Project Manager: JESSE TAYLOR
Phone #: (505) 392-8731
FAX #: (505) 392-3160

Company Name & Address: EOT
P.O. BOX 4544 MIDLAND TX 79704

Project #: EOT 2020 L
Project Name: DIXIE ANGEL #2

Project Location: LEA COUNTY NM
Sampler Signature: Lenora Cates

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 8015 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	TCS	RCI
25839	SS01 NORTH WALL PIPELINE 2'bgs	1	40Z	X							X			5-17	1500	X	X						
25840	SS02 NORTH WALL WEST 2'bgs														1304								
25841	SS03 NORTH WALL EAST 2'bgs														1311								
25842	SS04 WEST WALL @ PIPELINE 2'bgs														1318								
25843	SS05 EAST WALL @ PIPELINE 2'bgs														1322								
25844	SS06 SOUTH WALL WEST 2'bgs														1330								
25845	SS07 SOUTH WALL EAST 2'bgs														1338								
25846	SS08 SOUTH WALL PIPELINE 2'bgs														1345								
25847	SS09 STOCK PILE B NW 1'														1406								
25848	SS10 STOCK PILE B N 1'														1411								
25849	SS11 STOCK PILE B SW 1'														1415								

Relinquished by:	Date:	Time:	Received by:
Lenora Cates	5-17-00	1530	
Relinquished by:	Date:	Time:	Received by:
Linda Cates	5/17/00	5:45	J McMurry
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
Lenora Cates & Austin
Rec 32°F
Invoice: EOT 10115 AM

Mar 24 00 09:48a

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 # 139

Project Manager: Jesse Tavarez
Phone #: (505) 392-8731
FAX #: (505) 392-3760

Company Name & Address: ETGT
P.O. Box 4954 Midland TX 79704

Project #: EOT 2020 R
Project Name: Dark Angel #2

Project Location: Lea County NM
Sampler Signature: Lemon Cook

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	PCI
29850	SS#2 Spoil Pile @ SE 1'	1	40z	X							X			5-17	1425	X	X						
29851	SS#3 Spoil Pile @ South 1'			X							X				1440								
29852	SS#4 Spoil Pile @ North 1'			X							X				1450								

Relinquished by:	Date:	Times:	Received by:
Lemon Cook	5-17-00	1830	
Relinquished by:	Date:	Times:	Received by:
Jesse Tavarez	5/18/00	5:45	D McMurray
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS
Mail Results: K. Dixon
Rec 32°F
Invoice: EOT

May 24 00 09:49a

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: Soil
Sample Condition: Intact/ Iced/ 30 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.

Sampling Date: 06/01/00
Receiving Date: 06/03/00
Analysis Date: 06/03 & 06/08/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
26259	RW 1C (5')	<0.100	1.77	0.836	5.34	0.965
26260	RW 1SS (10')	<0.100	16.3	9.34	41.9	13.4
26261	RW 1C (15')	<0.100	3.40	1.59	6.64	2.47
26268	RW 1SS (50')	<0.100	3.34	3.28	12.1	4.45
26269	RW 1SS (55')	29.9	169	63.8	183	59.1
26270	RW 1SS (60')	<0.100	4.37	3.02	9.97	3.66
26271	RW 2C (5')	<0.100	11.1	4.76	19.3	8.12
26272	RW 2C (10')	<0.100	5.54	2.99	11.9	4.43
26273	RW 2C (15')	0.666	14.3	6.05	24.7	9.15
26274	RW 2C (20')	<0.100	5.00	2.95	12.2	4.65
26281	RW 2SS (55')	<0.100	4.90	3.60	8.06	4.20
	% IA	95	93	94	104	95
	% EA	92	91	94	103	94
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle

6-9-00
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

SampleType: Soil
Sample Condition: Intact/ Iced/ 30 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.

Sampling Date: 06/01/00
Receiving Date: 06/03/00
Analysis Date: 06/07/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
26259	RW 1C (5')	60	823
26260	RW 1SS (10')	781	2257
26261	RW 1C (15')	81	965
26262	RW 1SS (20')	<10	<10
26263	RW 1SS (25')	<10	<10
26264	RW 1SS (30')	<10	<10
26265	RW 1SS (35')	<10	<10
26266	RW 1SS (40')	<10	<10
26267	RW 1SS (45')	<10	<10
26268	RW 1SS (50')	454	1264
26269	RW 1SS (55')	7092	10152
26270	RW 1SS (60')	388	1227
26271	RW 2C (5')	910	2850
26272	RW 2C (10')	515	2041
26273	RW 2C (15')	1456	4764
26274	RW 2C (20')	563	2857
26275	RW 2SS (25')	<10	102
26276	RW 2SS (30')	<10	<10
26277	RW 2SS (35')	<10	32
26278	RW 2SS (40')	<10	<10
26279	RW 2SS (45')	<10	<10
	% IA	80	92
	% EA	99	116
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Raland K. Tuttle

6-9-00
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: 915-520-4310
FAX: 505-392-3760

SampleType: Soil
Sample Condition: Intact/ Iced/ 30 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.

Sampling Date: See Below
Receiving Date: 06/03/00
Analysis Date: 06/07/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	SAMPLE DATE
26280	RW 2SS (50')	53	648	06/01/00
26281	RW 2SS (55')	916	3716	06/01/00
26282	RW 2SS (60')	12	285	06/01/00
26283	RW 2SS (65')	<10	221	06/01/00
26284	SB 1C (5')	<10	<10	06/02/00
26285	SB 1C (10')	<10	<10	06/02/00
26286	SB 1C (15')	<10	<10	06/02/00
26287	SB 1C (20')	<10	<10	06/02/00
26288	SB 1SS (25')	<10	<10	06/02/00
26289	SB 1C (30')	<10	<10	06/02/00
26290	SB 1SS (35')	<10	<10	06/02/00
26291	SB 1SS (40')	<10	<10	06/02/00
26292	SB 1SS (45')	<10	<10	06/02/00
26293	SB 1SS (50')	<10	<10	06/02/00
26294	SB 1SS (55')	<10	<10	06/02/00
26295	SB 1SS (57')	<10	<10	06/02/00

% IA	88	96
% EA	90	106
BLANK	<10	<10

METHODS SW 846-8015M GRO/DRO

Roland K. Tuttle

6-9-00
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: 147

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

Company Name & Address: ETGI
PO BOX 4845 HIDLAND TX 79704

Project #: EOT2020R
Project Name: DARR ANGEL #2

Project Location: LEA COUNTY NM
Sampler Signature: Jess Dalton

ANALYSIS REQUEST

1 of 4

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 8015 DRO/ERO	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
26259	RW 1 C (5')	1	4oz	X							X			6/1	0820	X	X						
26260	RW 1 SS (10')														0840	X							
26261	RW 1 C (15')														0850	X							
26262	RW 1 SS (20')														0900								
26263	RW 1 SS (25')														0910								
26264	RW 1 SS (30')														0920								
26265	RW 1 SS (35')														0950								
26266	RW 1 SS (40')														1000								
26267	RW 1 SS (45')														1015								
26268	RW 1 SS (50')														1030	X							
26269	RW 1 SS (55')														1047	X							

Relinquished by:	Date:	Time:	Received by:
Jess Dalton	6/3/00	0900	Lemon Coos
Lemon Coos	6/3/00	1630	Rebecca Jones
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
908 # IS EOT 2020R - NOT 2055
ON JAR LIDS
30° F
FR: (505) 392-3760

Jun 09 00 03:54p
P. 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: 147

Page 2 of 4

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

Company Name & Address: ETGI
PO Box 4845 MIDLAND TX 79704

Project #: EOT 2020R
Project Name: DARR ANGEL #2

Project Location: LEA COUNTY NM
Sampler Signature: Jesse Taylor

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 ~~8015~~ 8015 D 120/C20	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
262-70	RW 1 SS (60')	1	402		X						X			6/1	1107	X	X						
262-71	RW 2 C (5')														1400	X							
262-72	RW 2 C (10')														1410	X							
262-73	RW 2 C (15)														1420	X							
262-74	RW 2 C (20)														1430	X							
262-75	RW 2 SS (25)														1440								
262-76	RW 2 SS (30)														1450								
262-77	RW 2 SS (35)														1500								
262-78	RW 2 SS (40)														1515								
262-79	RW 2 SS (45)														1530								
262-80	RW 2 SS (50)														1600								

Relinquished by:	Date:	Time:	Received by:	REMARKS
Jesse Taylor	6/3/00	0900	Simon Cross	Job # IS 2020R vs 2055
Relinquished by: Simon Cross	Date: 6/3/00	Time: 1630	Received by: Rebecca Jones	FAX: ~~230~~ (505) 392-3760
Relinquished by:	Date:	Time:	Received by Laboratory:	

Jun 09 00 03:54p p.5

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: 147

3 of 4

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

Company Name & Address: ETGI
PO Box 4845 MIDLAND TX 79704

Project #: E07 2020 R
Project Name: DARR ANGEL #2

Project Location: LEA COUNTY NM
Sampler Signature: Jesse Taylor

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 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
26281	RW2 SS (55)	1	40z		X						X			6/1	1630	X	X						
26282	RW2 SS (60)														1645								
26283	RW2 SS (65)														1700								
26284	SB1 [redacted] C (5)													6/2	0830								
26285	SB1 [redacted] C (10)														0835								
26286	SB1 [redacted] C (15)														0840								
26287	SB1 [redacted] C (20)														0850								
26288	SB1 SS (25)														0900								
26289	SB1 [redacted] C (30)														0910								
26290	SB1 SS (35)														0930								
26291	SB1 SS (40)														0945								

Relinquished by:	Date:	Time:	Received by:
Jesse Taylor	6/3/00	0900	
	6/3/00	1630	
			Received by Laboratory:

REMARKS
Job # ES 2020 VS 2055
30 "P
FR: (505) 392-3760

Jun 09 00 03:54p

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: 147

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

Company Name & Address: ETGI
PO Box 4845 MIDLAND TX 79704

Project #: EOT 2020R
Project Name: DARK ANGEL #2

Project Location: LEA COUNTY NM
Sampler Signature:

ANALYSIS REQUEST

4 of 4

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/6 RO	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
26292	SB1 SS (45)	1	4oz		X						X			6/2	1000		X						
26293	SB1SS (50)														1030								
26294	SB1SS (55)														1050								
26295	SB1SS (57)														1110								

Relinquished by:	Date:	Time:	Received by:
	6/3/00	0900	
Relinquished by:	Date:	Time:	Received by:
	6/3/00	1630	
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
J-6 #23 2030 VS 2055
30 PF
FR: (505) 392-3760

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: Soil
Sample Condition: Intact/ Iced/ 32 deg. F
Project #: EOT 2020C
Project Name: Darr Angel #2
Project Location: None Given

Sampling Date: 06/05/00
Receiving Date: 06/10/00
Analysis Date: 06/13/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
26494	SB2C (5')	<10	<10
26495	SB2C (10')	<10	<10
26496	SB2SS (15')	<10	<10
26497	SB2SS (20')	<10	<10
26498	SB2SS (25')	<10	<10
26499	SB2SS (30')	<10	<10
26500	SB2SS (35')	<10	<10
26501	SB2SS (40')	<10	<10
26502	SB2SS (45')	<10	<10
26503	SB2SS (50')	<10	<10
26504	SB2SS (57')	<10	<10
26505	SB3C (5')	<10	<10
26506	SB3C (10')	<10	<10
26507	SB3C (15')	<10	<10
26508	SB3C (20')	<10	<10
26509	SB3C (25')	<10	<10
26510	SB3C (30')	<10	<10
26511	SB3C (35')	<10	<10
26512	SB3C (40')	<10	<10
26513	SB3C (45')	<10	<10
26514	SB3C (50')	<10	<10
26515	SB3C (60')	<10	<10
	% IA	82	100
	% EA	92	111
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Umesh Rao

Umesh Rao, Ph. D.

6/15/00
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: 152

Project Manager: JESSE TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3760
Company Name & Address: ETGI
P.O. BOX 4845 MIDLAND, TX 79704
Project #: COTJ0208
Project Name: DARR ANGELL #2
Project Location:
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 8015 Geo / Dallas	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	PCI
26494	SB-6 (5')	1	1oz		X						X			6/5	1100		X						
26495	SB-6 (10')														1102								
26496	SB-6 SS (15')														1108								
26497	SB-6 SS (20')														1115								
26498	SB-6 SS (25')														1126								
26499	SB2 SS (30')														1140								
26500	SB2 SS (35')														1224								
26501	SB2 SS (40')														1241								
26502	SB2 SS (45')														1303								
26503	SB2 SS (50')														1318								
26504	SB2 SS (57')														1344								

Relinquished by:	Date:	Time:	Received by:
[signature]	9 Jun 00	1510	[signature]
[signature]	10 Jun 00	1100	[signature]

Received by Laboratory:

REMARKS
FR: (505) 392-3760
32°F

INVOICE: EOTT

JUN 15 00 11:17a

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: 152

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI

P.O. Box 4845 MIDLAND, TX 79704

Project #: COT 20206

Project Name: DARR ANGELL #2

Project Location: Lovington, NM

Sampler Signature: Beth Aldrich

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
26505	SB3c (5')	1	4oz		X						X			1/5	
26506	SB3c (15')														
26507	SB3c (15')														
26508	SB3c (20')														
26509	SB3c (25')														
26510	SB3c (30')														
26511	SB3c (35')														
26512	SB3c (40')														
26513	SB3c (45')														
26514	SB3c (50')														
26515	SB3c (60')														

ANALYSIS REQUEST

BTEX 8021B/5030 | TPH 418.1 8015 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

Relinquished by:	Date:	Time:	Received by:
Beth Aldrich	1/5/00	1510	
Relinquished by:	Date:	Time:	Received by:
	10 Jan 00	1100	
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

32°F

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: Soil
Sample Condition: Intact/ Iced/ 32 deg. F
Project #: EOT 2020C
Project Name: Darr Angel
Project Location: Lovington, N.M.

Sampling Date: 06/06/00
Receiving Date: 06/10/00
Analysis Date: 06/13/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
26462	SB4 C (5')	<10	<10
26463	SB4 C (10')	<10	<10
26464	SB4 C (15')	<10	<10
26465	SB5 C (5')	<10	<10
26466	SB5 C (10')	<10	<10
26467	SB5 C (15')	<10	<10
26468	SB6 C (5')	<10	<10
26469	SB6 C (10')	<10	<10
26470	SB6 C (15')	<10	<10
26471	SB7 C (5')	<10	<10
26472	SB7 C (10')	<10	<10
26473	SB7 C (15')	<10	<10
26474	SB8 C (5')	<10	<10
26475	SB8 C (10')	<10	<10
26476	SB8 C (15')	<10	<10
26477	SB9 C (5')	<10	<10
26478	SB9 C (10')	<10	<10
26479	SB9 C (15')	<10	<10
26480	SB10 C (5')	<10	<10
26481	SB10 C (10')	<10	<10
26482	SB10 C (15')	<10	<10
26483	MW #1C (5')	<10	<10
26484	MW #1C (10')	<10	<10
26485	MW1 C (15')	<10	<10
	% IA	97	112
	% EA	109	121
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Umesh Rao

Umesh Rao, Ph. D.

6/14/00
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

SampleType: Soil
Sample Condition: Intact/ Iced/ 32 deg. F
Project #: EOT 2020C
Project Name: Darr Angel
Project Location: Lovington, N.M.

Sampling Date: 06/06/00
Receiving Date: 06/10/00
Analysis Date: 06/13/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
26486	MW #1C (20')	<10	<10
26487	MW #1 S/S (25')	<10	<10
26488	MW #1SS (30')	<10	<10
26489	MW #1 SS (35')	<10	<10
26490	MW #1 SS (40')	<10	<10
26491	MW #1 SS (45')	<10	<10
26492	MW #1 SS (52')	<10	<10
26493	MW #1C (65')	<10	<10
	% IA	90	96
	% EA	89	106
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

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: 151

Project Manager: JESSE TAYLOR

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

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

Project #: ECT 2020C

Project Name: DARR ANGELL #2

Project Location: Lovington NM

Sampler Signature: Buck McCleary

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
26462	SB4 @ (5')	1	4oz		X						X			6/6	0851
26463	SB4 c (10')														0855
26464	SB4 c (15')														0858
26465	SB5 c (5')														0915
26466	SB5 c (10')														0918
26467	SB5 c (15')														0921
26468	SB6 c (5')														0940
26469	SB6 c (10')														0943
26470	SB6 c (15')														0946
26471	SB7 c (5')														1002
26472	SB7 c (10')														1009

ANALYSIS REQUEST

BTEX 8021B/5030	TPH 8015 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
	X						

Relinquished by:	Date:	Time:	Received by:
Buck McCleary	09 Jan 00	1455	
Relinquished by:	Date:	Time:	Received by:
	10 Jan 00	1100	
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
FR (505) 392-3760
32°F

INVOICE: COTT

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: 151

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 2026

Project Name: DARR ANGELL #2

Project Location: Lovington, NM

Sampler Signature: Jesse Taylor

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
26473	SB 7c (15')	1	4oz		X						X			6/6	1014
26474	SB8c (5')														1041
26475	SB8c (10')														1047
26476	SB8c (15')														1051
26477	SB9c (5')														1102
26478	SB9c (10')														1115
26479	SB9c (15')														1118
26480	SB10c (5')														1212
26481	SB10c (10')														1219
26482	SB10c (15')														1225
26483	MW#1c (5')														1245

ANALYSIS REQUEST	
BTEX 8020/5030	X
TPH ~~418.1~~ 8015 GRO DRO	X
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	

Relinquished by:	Date:	Time:	Received by:
Jesse Taylor	9 June 00	1455	Jesse Casas
Relinquished by:	Date:	Time:	Received by:
Jesse Casas	10 Jun 00	1100	
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
FR: (505) 392-3760
32°F

INVOICE: EOT

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: 151

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI

P.O. Box 4845 MIDLAND, TX 79704

Project #: EOT2020C

Project Name: DARR ANGELL #2

Project Location: Lovington NM

Sampler Signature: Bill Aldrich

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
26484	MW1 c (10')	1	40z		X						X			6/6	1242
26485	MW1 c (15')														1251
26486	MW1 c (20')														1451
26487	MW1 SS (25')														1302
26488	MW1 SS (30')														1322
26489	MW1 SS (35')														1350
26490	MW1 SS (40')														1350
26491	MW1 SS (45')														1408
26492	MW1 SS (52')														1426
26493	MW1 c (65')														1520

ANALYSIS REQUEST

BTEX 8021B/5030	TPH 418.1 8015 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
	X						

Relinquished by:	Date:	Time:	Received by:
Bill Aldrich	09 June 00	1455	
Relinquished by:	Date:	Time:	Received by:
	10 Jun 00	1100	
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

32 °F

Jun 14 00 08:58

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 MARLAND
HOBBS, N.M. 88240
FAX: 915-520-4310
FAX: 505-397-4701

Sample Type: Soil
Sample Condition: Intact/ Iced/ 29 deg. F
Project #: EOT 2020C
Project Name: Darr Angel #2
Project Location: Lovington, N.M.

Sampling Date: 06/12/00
Receiving Date: 06/17/00
Analysis Date: 06/22/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg	TOTAL BTEX mg/kg
26975	MW 2 (C) 55'	<0.100	0.724	<0.100	1.27	0.318	2.31
	% IA	99	99	100	113	101	
	% EA	94	86	93	107	96	
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100	

METHODS: SW 846-8021B,5030

Raland K. Tuttle

6-26-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS,N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

SampleType: Soil
Sample Condition: Intact/ Iced/ 29 deg. F
Project #: EOT 2020C
Project Name: Darr Angel #2
Project Location: Lovington, N.M.

Sampling Date: 06/16/00
Receiving Date: 06/17/00
Analysis Date: 06/20/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
26965	MW 2 (C) 5'	<10	<10
26966	MW 2 (C) 10'	<10	<10
26967	MW 2 (C) 15'	<10	<10
26968	MW 2 (C) 20'	<10	<10
26969	MW 2 (C) 25'	<10	<10
26970	MW 2 (C) 30'	<10	<10
26971	MW 2 (C) 35'	<10	<10
26972	MW 2 (C) 40'	<10	<10
26973	MW 2 (C) 45'	<10	<10
26974	MW 2 (C) 50'	<10	<10
	% IA	98	122
	% EA	76	97
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Raland K. Tuttle

6-26-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS,N.M. 88240
FAX. 505-397-4701
FAX: 915-520-4310

SampleType: Soil
Sample Condition: Intact/ Iced/ 29 deg. F
Project #: EOT 2020C
Project Name: Darr Angel #2
Project Location: Lovington, N.M.

Sampling Date: 06/12/00
Receiving Date: 06/17/00
Analysis Date: 06/20/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
26975	MW 2 (C) 55'	15	2251
26976	MW 2 (C) 65'	<10	229
26977	MW 3 (C) 5'	<10	<10
26978	MW 3 (C) 10'	<10	<10
26979	MW 3 (C) 15'	<10	<10
26980	MW 3 (C) 20'	<10	<10
26981	MW 3 (C) 25'	<10	<10
26982	MW 3 (C) 30'	<10	<10
26983	MW 3 (C) 35'	<10	<10
26984	MW 3 (C) 40'	<10	<10
26985	MW 3 (C) 45'	<10	<10
26986	MW 3 (C) 50'	<10	<10
26987	MW 3 (C) 55'	<10	<10
26988	MW 3 (C) 65'	<10	<10
	% IA	78	124
	% EA	87	127
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Raland K. Tuttle

6-26-00
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 163

Project Manager: Jesse Taylor
Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM 88240

Project #: EOT 2020C

Project Name: Dan Angell #2

Project Location: Lovington, NM

Sampler Signature: Beth Allred

ANALYSIS REQUEST

1 of 3

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 / 8015 Mod 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
26965	MW-25'				X						X			6/16/00	0849		X						
26966	MW-26 10'														0852								
26967	MW-26 15'														0859								
26968	MW-26 20'														0915								
26969	MW-26 25'														0925								
26970	MW-26 30'														0945								
26971	MW-26 35'														1035								
26972	MW-26 40'														1050								
26973	MW-26 45'														1110								
26974	MW-26 50'														1130								

Relinquished by:	Date:	Time:	Received by:
Beth Allred	6/16/00	3:45 pm	
Relinquished by:	Date:	Time:	Received by:
[signature]	6-17-00	1:40 pm	[signature]
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS: Fax Results to ETGI

29°F

Mixed EOTT

p. 4

Jun 26 00 07:38a

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: 163

Project Manager: Jesse Taylor
Phone #: (505) 397-4892
FAX #: (505) 397-4701

Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM

Project #: EOT 2020
Project Name: Dan Angell #2

Project Location: Lovington, NM
Sampler Signature: Bert Aldrich

ANALYSIS REQUEST

2 of 3

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/TX1005 Ext to C40	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
26915	MW-2(c) 55'	1	4oz		X						X			6/12/00	1145	X	X						
26916	MW-2(c) 65'														1220								
26917	MW-3(c) 5'														1342								
26918	MW-3(c) 10'														1348								
26919	MW-3(c) 15'														1353								
26920	MW-3(c) 20'														1355								
26921	MW-3(c) 25'														1405								
26922	MW-3(c) 30'														1412								
26923	MW-3(c) 35'														1513								
26924	MW-3(c) 40'														1520								
26925	MW-3(c) 45'	V	V												1525								

Relinquished by:	Date:	Time:	Received by:
Bert Aldrich	6/16/00	3:45 pm	
Relinquished by:	Date:	Time:	Received by:
Danny Bryant	6-17-00	1:40 pm	Wanda Rapp
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS: Fax results to ETGI

29°F

INDIGO EOT

p. 5
Jun 26 00 07:38a

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 29 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.

Sampling Date: 06/16/00
Receiving Date: 06/17/00
Analysis Date: 06/21/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
27013	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
27014	MW 2	0.711	0.475	0.143	0.441	0.100
27015	MW 3	0.001	<0.001	<0.001	<0.001	<0.001
% IA		88	86	86	94	87
% EA		96	91	93	102	94
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

7-3-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HNO3/ 29 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.

Sample Date: 06/16/00
Receiving Date: 06/17/00
Analysis Date: 06/28/00
Analysis Date: Hg 07/03/00

Analyte (mg/L)	MW 1 27013	MW 2 27014	MW 3 27015	Report Limit	%IA	%EA	BLANK	RPD
Aluminum	8.50	10.3	17.0	0.0500	91	89	<0.0500	0.00
Arsenic	0.0080	0.0080	0.0110	0.0050	96	102	<0.0050	1.98
Barium	0.2030	0.3550	0.3820	0.0100	96	98	<0.0100	0.50
Beryllium	ND	ND	ND	0.0040	98	100	<0.0040	0.00
Cadmium	0.0020	0.0200	0.0020	0.0010	102	102	<0.0010	1.94
Calcium	242.0	405.0	681.0	1.000	99	N/A	<1.000	1.91
Chromium	0.0260	0.0340	0.0410	0.0050	96	98	<0.0050	0.51
Cobalt	ND	ND	ND	0.0200	94	95	<0.0200	0.42
Copper	ND	0.0100	0.0110	0.0100	97	100	<0.0100	0.00
Iron	5.840	6.460	10.60	0.0500	104	99	<0.0500	0.94
Lead	ND	0.0030	0.0070	0.0030	94	96	<0.0030	2.06
Magnesium	20.60	28.30	31.50	1.000	95	N/A	<1.000	1.82
Manganese	0.1140	0.1940	0.2070	0.0150	93	94	<0.0150	0.41
Mercury	0.004	0.002	0.003	0.002	104	103	<0.002	3.12
Molybdenum	ND	ND	ND	0.050	N/A	95	<0.050	0.63
Nickel	0.0260	0.0340	0.0370	0.0100	99	100	<0.0100	0.40
Potassium	5.520	7.630	9.310	1.000	88	N/A	<1.000	3.59
Selenium	ND	ND	ND	0.0050	104	104	<0.0050	0.00
Silver	ND	ND	ND	0.00500	92	94	<0.0050	0.00
Sodium	55.40	73.40	56.00	1.000	102	N/A	<1.000	2.41
Tin	ND	ND	ND	0.0500	90	93	<0.0500	1.40
Vanadium	0.0630	0.0880	0.1090	0.0200	92	93	<0.0200	0.43
Zinc	0.0450	0.1440	0.0880	0.0200	102	102	<0.0200	3.67
Boron	0.158	0.168	0.145	0.050	106	N/A	<0.050	N/A
Strontium	0.482	0.855	0.693	0.050	100	102	<0.050	0.87

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

7-3-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN. MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 29 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.

Sampling Date: 06/16/00
Receiving Date: 06/17/00
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
27013	MW 1	122.3	48	0	144	431
27014	MW 2	100.9	87	0	220	559
27015	MW 3	80.2	35	0	187	395
	QUALITY CONTROL	56.8	5849	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	114	117	*	*	*
	ANALYSIS DATE	06/27/00	06/23/00	06/23/00	06/23/00	06/20/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

7-3-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 29 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.
Field Code: MW 1

Sampling Date: 06/16/00
Receiving Date: 06/17/00
Analysis Date: 06/23/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 27013	RPD	%EA	%DEV
Naphthalene	0.005	ND			-0.8
Acenaphthylene	0.005	ND			-1.7
Acenaphthene	0.005	ND	8	71	-12.6
Fluorene	0.005	ND			-3.5
Phenanthrene	0.005	ND			-0.3
Anthracene	0.005	ND			-1.9
Fluoranthene	0.005	ND			-11.6
Pyrene	0.005	ND	15	64	-5.8
Benzo[a]anthracene	0.005	ND			-9.9
Chrysene	0.005	ND			-8.2
Benzo[b]fluoranthene	0.005	ND			2.4
Benzo[k]fluoranthene	0.005	ND			9.3
Benzo [a]pyrene	0.005	ND			-0.9
Indeno[1,2,3-cd]pyrene	0.005	ND			-26.7#
Dibenz[a,h]anthracene	0.005	ND			-31.4#
Benzo[g,h,i]perylene	0.005	ND			-52.6#

	% RECOVERY
Nitrobenzene-d5 SURR	147
2-Fluorobiphenyl SURR	128
p-Terphenyl-d14 SURR	111

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

7-3-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 29 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.
Field Code: MW 2

Sampling Date: 06/16/00
Receiving Date: 06/17/00
Analysis Date: 06/23/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 27014	RPD	%EA	%DEV
Naphthalene	0.005	ND			-0.8
Acenaphthylene	0.005	ND			-1.7
Acenaphthene	0.005	ND	8	71	-12.6
Fluorene	0.005	ND			-3.5
Phenanthrene	0.005	ND			-0.3
Anthracene	0.005	ND			-1.9
Fluoranthene	0.005	ND			-11.6
Pyrene	0.005	ND	15	64	-5.8
Benzo[a]anthracene	0.005	ND			-9.9
Chrysene	0.005	ND			-8.2
Benzo[b]fluoranthene	0.005	ND			2.4
Benzo[k]fluoranthene	0.005	ND			9.3
Benzo [a]pyrene	0.005	ND			-0.9
Indeno[1,2,3-cd]pyrene	0.005	ND			-26.7#
Dibenz[a,h]anthracene	0.005	ND			-31.4#
Benzo[g,h,i]perylene	0.005	ND			-52.6#

	% RECOVERY
Nitrobenzene-d5 SURR	124
2-Fluorobiphenyl SURR	129
p-Terphenyl-d14 SURR	124

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

7-3-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 29 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.
Field Code: MW 3

Sampling Date: 06/16/00
Receiving Date: 06/17/00
Analysis Date: 06/23/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 27015	RPD	%EA	%DEV
Naphthalene	0.005	ND			-0.8
Acenaphthylene	0.005	ND			-1.7
Acenaphthene	0.005	ND	8	71	-12.6
Fluorene	0.005	ND			-3.5
Phenanthrene	0.005	ND			-0.3
Anthracene	0.005	ND			-1.9
Fluoranthene	0.005	ND			-11.6
Pyrene	0.005	ND	15	64	-5.8
Benzo[a]anthracene	0.005	ND			-9.9
Chrysene	0.005	ND			-8.2
Benzo[b]fluoranthene	0.005	ND			2.4
Benzo[k]fluoranthene	0.005	ND			9.3
Benzo [a]pyrene	0.005	ND			-0.9
Indeno[1,2,3-cd]pyrene	0.005	ND			-26.7#
Dibenz[a,h]anthracene	0.005	ND			-31.4#
Benzo[g,h,i]perylene	0.005	ND			-52.6#

	% RECOVERY
Nitrobenzene-d5 SURR	129
2-Fluorobiphenyl SURR	138
p-Terphenyl-d14 SURR	129

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

7-3-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 29 deg. F
Project #: EOT 2020R
Project Name: Darr Angel #2
Project Location: Lea County, N.M.

Sampling Date: 06/16/00
Receiving Date: 06/17/00
Analysis Date: 06/25/00
Field Code: RW 1
ELT# 27012

Tentatively Identified Compound	RT
2-methyl hexane	1.80
1,3-dimethyl hexane	2.19
Octane	2.37
2-ethyl hexane	2.81
1,2-dimethyl benzene	3.38
Nonane	3.87
1,2,4-Trimethylbenzene	5.20
Decane	5.76
Undecane	7.65
Dodecane	9.39
Heptadecane	13.18
Tridecane	13.68
Heptadecane	14.16

METHODS: GC/MS SW 846-8270

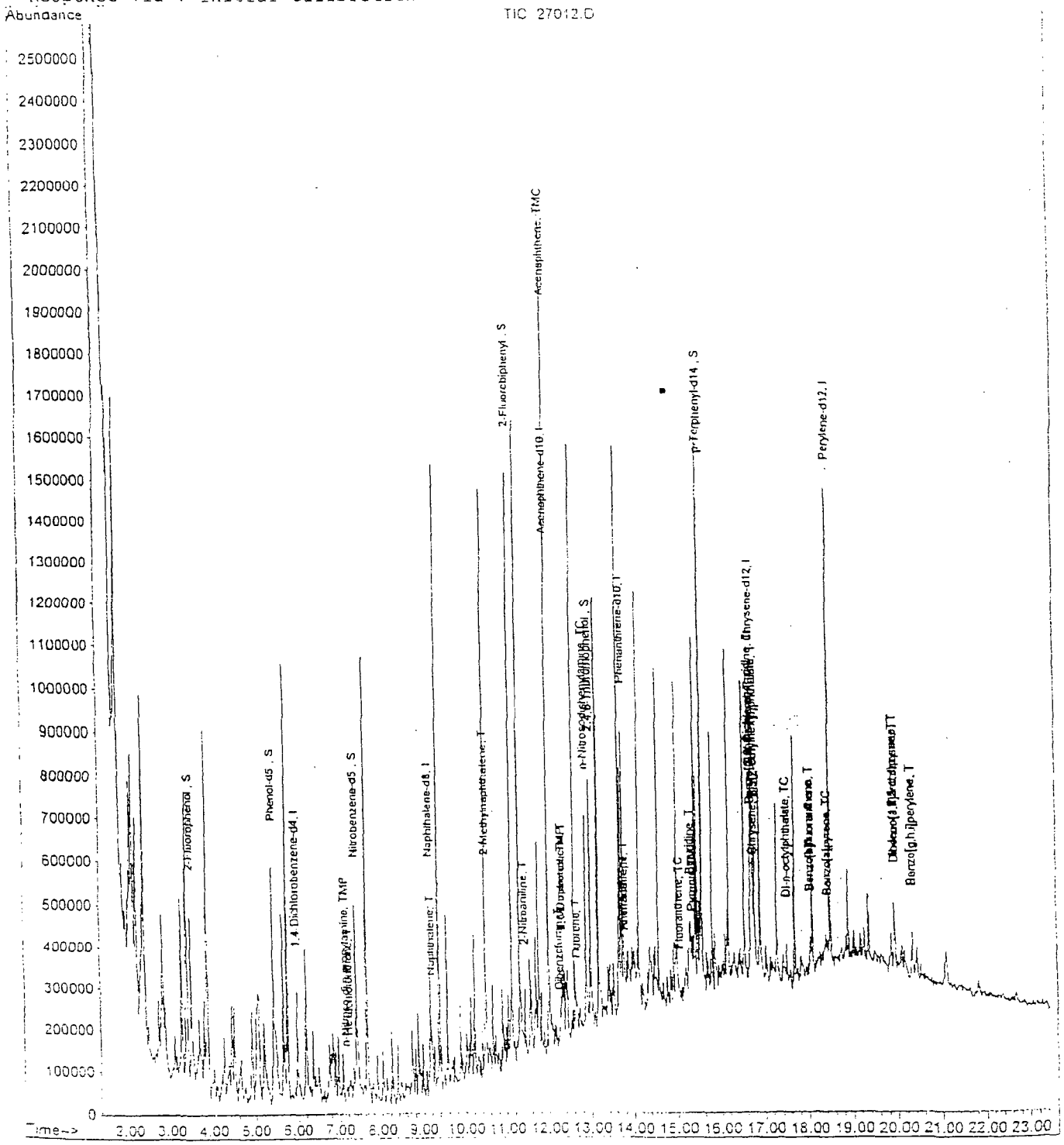
Raland K. Tuttle

7-3-00
Date

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062300\27012.D Vial: 12
Acq On : 25 Jun 2000 12:50 pm Operator:
Sample : GC/MS SCAN Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 28 13:17 19100 Quant Results File: 8270D.RES

Method : C:\HPCHEM\1\METHODS\8270GLY.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Wed Apr 19 16:26:25 2000
Response via : Initial Calibration



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 161

Project Manager: Jesse Tovar
Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: ETGI
2540 W Marland Hobbs NM

Project #: EOT 2020R
Project Name: Deer Angell #2

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	BTEX 8112(1)(2)	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	Chloride Chlorides (GC/MS)	PAH 8100	Cations 6010	Anions 300.0	TDS 160.1	Total Metals 6010
	RW1	1	1L					X			X			6-16	1120									X					
	MW1	5	VL 1.5	X					X	X	X			6-16	1030	X								X	X	X	X	X	
	MW2	↓	↓	↓					↓	↓	↓			↓	1100									↓	↓	↓	↓	↓	
	MW3	↓	↓	↓					↓	↓	↓			↓	1000	↓								↓	↓	↓	↓	↓	

Relinquished By:	Date:	Times:	Received by:
	6/16/00	1600	
Relinquished by:	Date:	Times:	Received by:
	6-17-00	1400m	

REMARKS

EL Hobbs office

29°F

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS,N.M. 88242
FAX: 505-397-4701
FAX: 915-520-4310

SampleType: Soil
Sample Condition: Intact/ Iced/ 30 deg. F
Project #: EOT 2020R
Project Name: DARR ANGELL #2
Project Location: Lea County, N.M.

Sampling Date: 07/11/00
Receiving Date: 07/12/00
Analysis Date: 07/14/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
28063	MW4 0-2'	<10	<10
28064	MW4 3-5'	<10	<10
28065	MW4 8-10'	<10	<10
28066	MW4 13-15'	<10	<10
28067	MW4 18-20'	<10	<10
28068	MW4 23-25'	<10	<10
28069	MW4 28-30'	<10	<10
28070	MW4 33-35'	<10	<10
28071	MW4 38-40'	<10	<10
28072	MW4 43-45'	<10	<10
28073	MW4 48-50'	<10	<10
28074	MW4 53-55'	<10	<10
28075	MW4 58-60'	<10	<10
	% IA	85	105
	% EA	91	111
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Raland K. Tuttle

7-19-00
Date

Environmental Lab of Texas, Inc.

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

1 of 2

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 185

Project Manager: JESSE TAYLOR
Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: EOG
2140 W MARLAND HOBBS NM 88242

Project #: EOT 2020R
Project Name: DARR ANGELL #2

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/5030	TPH [redacted] 8015 Diesel/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
28063	MW 4 0'-2'	1	4oz		X						X			7-11	0848		X						
28064	MW 4 3'-5'														0940								
28065	MW 4 8'-10'														0957								
28066	MW 4 13'-15'														0912								
28067	MW 4 18'-20'														0915								
28068	MW 4 23'-25'														0926								
28069	MW 4 28'-30'														0942								
28070	MW 4 33'-35'														1005								
28071	MW 4 38'-40'														1022								
28072	MW 4 43'-45'														1040								
28073	MW 4 48-50														1100								

Relinquished by:	Date:	Times:	Received by:
Simon Casas	7-12-00	0800	Troy Peterson
Relinquished by:	Date:	Times:	Received by:
Troy Peterson	7/12/00	16:30	Received by Laboratory: Celey Keene

REMARKS: FAX RESULTS! HOBBS OFFICE 30°F

INVOICE: EOTT

P.2

Jul 18 00 10:47a

Environmental Lab of Texas, Inc.

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

2 of 2

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 185

Project Manager: JESSE TAYLOR

Phone #: (505) 397-4882

FAX #: (505) 397-4201

Company Name & Address: E.T.G.I. 2540 MARLAND HOBBS NM 88242

Project #: EOT 2020R

Project Name: DARK ANGEL #2

Project Location: LEA County

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
28074	MW-55-58	1	40z		X						X			7-11	1244
28075	MW-58-60	1	40z		X						X			7-11	1230

ANALYSIS REQUEST

BTEX 8021B/5030	TPH 8015 Modified	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
	X						
	X						

Relinquished by:	Date:	Time:	Received by:
Jesse Taylor	7-12-00	0800	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 7/12/00	Time: 16:30	Received by Laboratory:

REMARKS

3 of 5

Jul 18 00 10:47a p.3

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: 505-397-4701

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 34 deg. F
Project #: EOT 2020R
Project Name: Darr Angell 2
Project Location: Lovington

Sampling Date: 07/14/00
Receiving Date: 07/14/00
Analysis Date: 07/20/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
28201	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		95	94	94	105	95
% EA		93	90	93	102	94
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

7-27-00
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: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 34 deg. F
Project #: EOT 2020R
Project Name: Darr Angell 2
Project Location: Lovington

Sampling Date: 07/14/00
Receiving Date: 07/14/00
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
28201	MW 4	137	40	0	166	389
	QUALITY CONTROL	47.7	5406	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	95	108	*	*	*
	ANALYSIS DATE	07/19/00	07/18/00	7/18/00	07/18/00	07/19/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

7-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HNO3/ 34 deg. F
Project #: EOT 2020R
Project Name: Darr Angell 2
Project Location: Lovington

Sample Date: 07/14/00
Receiving Date: 07/14/00
Analysis Date: 07/25/00
Analysis Date: Hg 07/26/00

Analyte (mg/L)	MW4 28201	Report Limit	%IA	%EA	BLANK	RPD
Aluminum	27.4	0.0500	96	101	<0.0500	4.04
Arsenic	0.0130	0.0050	100	104	<0.0050	1.90
Barium	1.150	0.0100	100	109	<0.0100	2.54
Beryllium	ND	0.0040	96	102	<0.0040	1.98
Cadmium	ND	0.0010	100	108	<0.0010	1.87
Calcium	702.0	1.000	94	N/A	<1.000	3.12
Chromium	0.0450	0.0050	94	104	<0.0050	2.93
Cobalt	0.0300	0.0200	94	100	<0.0200	2.63
Copper	0.0520	0.0100	98	110	<0.0100	3.31
Iron	18.45	0.0500	104	108	<0.0500	4.65
Lead	0.0080	0.0030	98	106	<0.0030	1.90
Magnesium	48.10	1.000	97	N/A	<1.000	3.39
Manganese	0.2870	0.0150	94	99	<0.0150	2.44
Mercury	ND	0.002	99	107	<0.002	10.70
Molybdenum	ND	0.050	95	101	<0.050	2.19
Nickel	0.0430	0.0100	95	103	<0.0100	2.37
Potassium	11.20	1.000	84	N/A	<1.000	4.98
Selenium	ND	0.0050	106	112	<0.0050	5.50
Silver	ND	0.00500	82	98	<0.0050	10.75
Sodium	67.80	1.000	81	N/A	<1.000	7.00
Tin	ND	0.0500	97	104	<0.0500	2.44
Vanadium	0.0970	0.0200	91	98	<0.0200	2.90
Zinc	0.0550	0.0200	101	108	<0.0200	2.25
Boron	0.189	0.050	106	118	<0.050	2.13
Strontium	0.934	0.050	102	109	<0.050	2.08

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Ralanc K. Tuttle

7-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 34 deg. F
Project #: EOT 2020R
Project Name: Darr Angell 2
Project Location: Lovington
Field Code: MW 4

Sampling Date: 07/14/00
Receiving Date: 07/14/00
Analysis Date: 07/14/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 28201	RPD	%EA	%DEV
Naphthalene	0.005	ND			2.1
Acenaphthylene	0.005	ND			1.8
Acenaphthene	0.005	ND	19	106	-5.4
Fluorene	0.005	ND			4.0
Phenanthrene	0.005	ND			2.5
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			8.8
Pyrene	0.005	ND	21	84	-4.4
Benzo[a]anthracene	0.005	ND			-2.8
Chrysene	0.005	ND			2.3
Benzo[b]fluoranthene	0.005	ND			-5.2
Benzo[k]fluoranthene	0.005	ND			9.2
Benzo [a]pyrene	0.005	ND			0.8
Indeno[1,2,3-cd]pyrene	0.005	ND			15.4
Dibenz[a,h]anthracene	0.005	ND			12.9
Benzo[g,h,i]perylene	0.005	ND			23.4#

	% RECOVERY
Nitrobenzene-d5 SURR	20
2-Fluorobiphenyl SURR	28
p-Terphenyl-d14 SURR	44

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

7-27-00
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 # 190

Project Manager: J TAYLOR

Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM 88240

Project #: 2020 B

Project Name: Darr Angel 2.

Project Location: Lovington

Sampler Signature:

1 of 1

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 EPA 160.1	RCI	DAH EPA 8100	Cations EPA 6010	Anions EPA 300	Heavy metals (TCLP Semi) EPA 6010
21620	Mw 1	5	VOA 40ml	X					X	X	X			7-14	11:00	X					X	X		X	X	X	X

Relinquished by:	Date:	Time:	Received by:	REMARKS
Darry Sapp	7-14-00	12:30	Tracy Peterson	34°
Relinquished by:	Date:	Time:	Received by:	
Relinquished by: Tracy Peterson	Date: 7-14-00	Time: 1700	Received by Laboratory: Rebecca Jones	

Jul 27 00 10:47a

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

FILE

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 2020R
Project Name: Darr Angell 2
Project Location: Lea County, N.M.

Sampling Date: 09/13/00
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
31018	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
31019	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
31020	MW 4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
31021	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-20 E Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 229

Project Manager: BETH ALDRICH
Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: ETGI
2540 W MARLAND HOBBS NM

Project #: EOT 2020R
Project Name: DARR ANGEL 2

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	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
31018	MW 1	2	V	X					X		X			9-13	1530	X							
31019	MW 3														1612								
31020	MW 4														1552								
31021	EB1														1640								

Relinquished by:	Date:	Time:	Received by:
Simon Casas	9-15-00	1500	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 9/16/00	Time: 14:55	Received by Laboratory: Celia Kent

REMARKS: -10C
INVOICE: EOTT
FAX RESULTS: HOBBS OFFICE
MAIL RESULTS: EOTT

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: BETH ALDRICH
2540 WEST MARLAND
HOBBS, N.M. 88240
FAX: 915-520-4310
FAX: 505-397-4701

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ -1 deg. C
Project #: EOT 2020R
Project Name: Darr Angel II
Project Location: Lovington, N.M.

Sampling Date: 11/15/00
Receiving Date: 11/18/00
Analysis Date: 11/19/00

ELT #	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
34069	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
34070	MW-3	<0.001	<0.001	<0.001	<0.001	<0.001
34071	MW-4	<0.001	<0.001	<0.001	<0.001	<0.001
34072	EB-1	<0.001	<0.001	<0.001	<0.001	<0.001
	%IA	91	100	107	112	105
	%EA	85	91	95	99	93
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

11-22-00
Date

CoC # 271

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: Beth Aldrich
Company Name: Environmental Technology Group Inc
Company Address: 2540 West Marland
City/State/Zip: Hobbs, New Mexico 88240
Telephone No: (505) 397-4882
Fax No: (505) 397-4701
Sampler Signature: Simon Casas

Project Name: Darr Angell II
Project #: EOT 2020R
Project Loc: Lovington, 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 TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1005	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B	TRRP TAT (Pre-Schedule)	Standard TAT
34069	MW-1	11/15	1140	2	X		X					X											X		
34070	MW-3		1360																						
34071	MW-4		1330																						
34072	EB-1		1345																						

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: -1 C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Simon Casas	11-17-00	1340	Camille Reynolds	11/17/00	1341
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Camille Reynolds	11/18/00	1213	Richard Rue	11/18/00	12 13

Nov 22 00 05:12p

p.2

COC # 271

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: Beth Aldrich
Company Name: Environmental Technology Group Inc.
Company Address: 2540 West Marland
City/State/Zip: Hobbs, New Mexico 88240
Telephone No: (505) 397-4882 Fax No: (505) 397-4701
Sampler Signature: Lemon Casas

Project Name: Darr Angell II
Project #: EOT 2020B
Project Loc: Lovington, 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: 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										RUSH TAT (Pre-Schedule)	Standard TAT
	MW-1	11/15	1140	2	X		X					X											X											
	MW-3		1360																															
	MW-4		1330																															
	EB-1		1345																															

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by	Date	Time	Received by ELOT:	Date	Time

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#: 125729 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW I
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **Time:** 12:30

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	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	J	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 1	**Report#/Lab ID#:** 125729 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96	80-120	---
Toluene-d8	8260b	98.6	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 125729 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell #2 EOT 2020R
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
m,p-Xylenes	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#: 125730 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 3
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **Time:** 13:07

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	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	J	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 3	**Report#/Lab ID#:** 125730 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.6	80-120	---
Toluene-d8	8260b	99.5	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 125730 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell #2 EOT 2020R
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

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	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#: 125731 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 4
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **Time:** 12:50

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	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	1.76	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	J	1.7	94.5	95.1	94.6

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Respectfully Submitted,

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 4	**Report#/Lab ID#:** 125731 **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	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 125731 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 4

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
Toluene	J	See J-flag discussion above.

Notes:

AnalySys Inc.

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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#: 125732 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 5
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **Time:** 12:15

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	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 5	**Report#/Lab ID#:** 125732 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	98.7	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#: 125733 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 6
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **Time:** 11:20

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	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 6	**Report#/Lab ID#:** 125733 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.6	80-120	---
Toluene-d8	8260b	97.5	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#: 125734 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 7
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **Time:** 11:40

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	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 7	**Report#/Lab ID#:** 125734 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.9	80-120	---
Toluene-d8	8260b	100	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: Ken Dutton
Address: 2540 W. Marland
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Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 125735 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 8
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **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	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Richard Laster

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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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4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 8	**Report#/Lab ID#:** 125735 **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	96.6	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: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 125736 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 9
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **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	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Respectfully Submitted,

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 9	**Report#/Lab ID#:** 125736 **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	98.1	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#: 125737 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 10
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **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]
A/BN Extraction-PAH	---	---	---	---	02/19/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	02/20/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	02/19/02	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	02/20/02	3005a	---	---	---	---	---
Total dissolved solids	409	mg/L	1	<1	02/20/02	160.1	---	2.55	-NA-	-NA-	-NA-
Aluminum/ICP	30.9	mg/L	0.2	<0.2	02/20/02	6010 & 200.7	---	0.36	94.05	101.7	107.94
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	1.14	102.03	98.72	100.68
Barium/ICP	0.346	mg/L	0.01	<0.01	02/20/02	6010 & 200.7	---	0.85	90.16	101.42	97.61
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	02/20/02	6010 & 200.7	---	0.45	100.13	102.6	97.08
Boron/ICP	0.121	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	---	0.38	105	102.5	103.48
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	02/20/02	6010 & 200.7	---	5.94	77.69	96.12	98.96
Calcium/ICP*filtered	78.8	mg/L	0.1	<0.1	02/20/02	6010 & 200.7	---	0.99	99.53	102.16	94.57
Chromium/ICP	0.0196	mg/L	0.01	<0.01	02/20/02	6010 & 200.7	---	0.65	97.27	103.2	101.76
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	J	1.83	92.03	101.6	95.36
Copper/ICP	<0.02	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	---	1	102.75	98.84	98.24
Iron/ICP	13.5	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	2.87	114.26	100.96	106.33
Lead/ICP	<0.02	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	J	1.74	97.84	102.04	103.11
Magnesium/ICP*filtered	15.5	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	1.49	99.31	103.68	97.52
Manganese/ICP	0.184	mg/L	0.01	<0.01	02/20/02	6010 & 200.7	---	1.93	96.12	100.76	99.48
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	02/21/02	245.1&7470	---	0.91	110.1	108	101.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	---	0.84	103.92	100.7	100.87

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmeutal Tech Group
Attn: Ken Dutton

Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 10

Report#/Lab ID#: 125737
Sample Matrix: water

REPORT OF ANALYSIS-cont.

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	QUALITY ASSURANCE DATA[1] Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Nickel/ICP	<0.02	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	J	1.28	92.14	100.3	97.42
Potassium/AA*filtered	2.52	mg/L	0.25	<0.25	02/20/02	258.1&7610	---	2.26	72.84	94.71	91.62
Selenium/ICP	<0.05	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	1.8	100.41	100.38	100.41
Silver/GFAA	<0.002	mg/L	0.002	<0.002	02/20/02	272.2&7761	---	2.38	77.06	85	111
Sodium/ICP*filtered	41.7	mg/L	0.5	<0.5	02/20/02	6010 & 200.7	---	0.8	93.02	103.16	98.15
Strontium/ICP	1.33	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	1.16	87.17	100.42	105.65
Tin/ICP	<0.05	mg/L	0.05	<0.05	02/20/02	6010 & 200.7	---	0.67	92	98.32	95.09
Vanadium/ICP	0.0892	mg/L	0.02	<0.02	02/20/02	6010 & 200.7	---	0	100.3	101.04	98.83
Zinc/ICP	0.0268	mg/L	0.01	<0.01	02/20/02	6010 & 200.7	---	0.98	99.51	102.3	100.53
Alkalinity, bicarbonate	200	mg/L	10	<10	02/21/02	SM2320	---	1	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	02/21/02	SM2320	---	1	-NA-	-NA-	-NA-
Chloride	34.9	mg/L	0.5	<0.5	02/28/02	325.2&9251	---	3.49	106.16	101.38	99.62
Sulfate	87	mg/L	2	<2	02/28/02	375.4&9038	---	3.87	89.9	94.21	96.22
Extractable organics-PAH	---	---	---	---	02/21/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	21.8	59.9	104.6	44.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	24.6	59.6	102.3	43.7
Anthracene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	19.7	68.5	104.5	58.4
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	20	70.1	96.5	59.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	20.3	70.8	97.1	60.6
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	22.4	70.8	95.5	59.6
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	20.2	71.1	96.7	60.8
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	22	74.1	102.2	61.5
Chrysene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	21.6	71.8	99.5	61.6
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	20.1	70.4	99.4	59.7
Fluoranthene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	18.8	80.3	118.1	69.4
Fluorene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	15.6	68.4	109.2	52.9

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 10	**Report#/Lab ID#:** 125737 **Sample Matrix:** water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	22.6	71.7	98.6	60.4
Naphthalene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	26.5	54.6	100	39.2
Phenanthrene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	18.6	67.9	103.8	55.8
Pyrene	<0.05	µg/L	0.05	<0.05	02/21/02	8270c	---	22.3	67.2	96.4	57

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 10	**Report#/Lab ID#:** 125737 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	99.9	88-110	---
2-Fluorobiphenyl	8270c	43.9	43-116	---
Nitrobenzene-d5	8270c	42	35-114	---
Terphenyl-d14	8270c	47.7	33-141	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 125737 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 10

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
Cobalt/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.

Notes:

AnalySys Inc.

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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#: 125738 **Report Date:** 03/01/02
Project ID: Darr Angell #2 EOT 2020R
Sample Name: EB 1
Sample Matrix: water
Date Received: 02/19/2002 **Time:** 09:55
Date Sampled: 02/14/2002 **Time:** 13:40

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	---		---		02/21/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	02/21/02	8260b	---	3	89.1	90.5	88.8
Ethylbenzene	<1	µg/L	1	<1	02/21/02	8260b	---	1.5	101.7	100.4	100.7
m,p-Xylenes	<1	µg/L	1	<1	02/21/02	8260b	---	0.9	99.4	98.8	99.6
o-Xylene	<1	µg/L	1	<1	02/21/02	8260b	---	1.2	101.9	101.8	101.2
Toluene	<1	µg/L	1	<1	02/21/02	8260b	---	1.7	94.5	95.1	94.6

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** EB 1	**Report#/Lab ID#:** 125738 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.1	80-120	---
Toluene-d8	8260b	99.5	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

COC: 021

CHAIN-OF-CUSTODY

ANALYSYS INC.
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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#: Darr Angell #2 Sampler: Simon Casas
EOT-2020R

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021B	PAH 8100	Heavy Metals 6010	Cation 6010	Anions 300.0	TDS 160.1	Comments
MW 1	2-14-02	1230	2		X		125729	X						
MW 3		1307					125730							
MW 4		1250					125731							
MW 5		1215					125732							
MW 6		1120					125733							
MW 7		1140					125734							
MW 8		1200					125735							
MW 9		1000	↓				125736							
MW 10		1330	6				125737	X	X	X	X	X		
EB 1	↓	1340	2		↓		125738	↓						

Analyses Requested (1)
Please attach explanatory information as required

(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 routine 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	2-18-02	1540	Melanie Humphrey	ASI	2/19/02	09:55

Rendering 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#: 130752 **Report Date:** 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 1
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/13/2002 **Time:** 09:00

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	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	J	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	3.2	91.7	105.3	93.3

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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	**Project ID:** Darr Angell 2 EOT 2020R	**Report#/Lab ID#:** 130752
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	97.6	80-120	---
Toluene-d8	8260b	109	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 130752 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
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.

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#: 130753 **Report Date:** 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 3
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/13/2002 **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	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	J	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	3.2	91.7	105.3	93.3

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Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 3	**Report#/Lab ID#:** 130753 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	110	80-120	---
Toluene-d8	8260b	109	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 130753 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
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

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	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#: 130754 **Report Date:** 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 4
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/13/2002 **Time:** 11:22

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	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	2.16	µg/L	1	<1	06/26/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	J	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	J	3.2	91.7	105.3	93.3

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Richard Laster

Richard Laster

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Client: Environmental Tech Group	**Project ID:** Darr Angell 2 EOT 2020R	**Report#/Lab ID#:** 130754
Attn: Ken Dutton	**Sample Name:** MW 4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	118	80-120	---
Toluene-d8	8260b	105	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 130754 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 4

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
Ethylbenzene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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Client: Environmental Tech Group
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Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 130755 **Report Date:** 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 5
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/13/2002 **Time:** 09:20

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	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	J	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	3.2	91.7	105.3	93.3

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Richard Laster

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Client: Environmental Tech Group	**Project ID:** Darr Angell 2 EOT 2020R	**Report#/Lab ID#:** 130755
Attn: Ken Dutton	**Sample Name:** MW 5	**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	108	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 130755 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 5

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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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#: 130756 **Report Date:** 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 6
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/13/2002 **Time:** 09:37

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	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.1	85.9	98.3	86.1
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	1.2	127.9	110.3	119.7
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1.5	119.7	103.9	112.2
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.1	121	102.8	112.3
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	3.2	91.7	105.3	93.3

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Richard Laster

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Client: Environmental Tech Group	**Project ID:** Darr Angell 2 EOT 2020R	**Report#/Lab ID#:** 130756
Attn: Ken Dutton	**Sample Name:** MW 6	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	109	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: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 130757 **Report Date:** 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 7
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/13/2002 **Time:** 10:21

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	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	J	2.3	98.7	107.1	97
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	0.5	119.2	116.9	117.2
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1	109.4	106.2	108.4
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.2	118.9	113.8	115.5
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	1.8	102.7	104.9	99

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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	**Project ID:** Darr Angell 2 EOT 2020R	**Report#/Lab ID#:** 130757
Attn: Ken Dutton	**Sample Name:** MW 7	**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	98.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 130757 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 7

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.

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#: 130758 **Report Date:** 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 8
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/13/2002 **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	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.3	98.7	107.1	97
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	0.5	119.2	116.9	117.2
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1	109.4	106.2	108.4
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.2	118.9	113.8	115.5
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	1.8	102.7	104.9	99

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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:** Darr Angell 2 EOT 2020R **Sample Name:** MW 8	**Report#/Lab ID#:** 130758 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.2	80-120	---
Toluene-d8	8260b	109	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: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 130759 **Report Date:** 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 9
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/13/2002 **Time:** 11:49

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	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.3	98.7	107.1	97
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	0.5	119.2	116.9	117.2
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1	109.4	106.2	108.4
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.2	118.9	113.8	115.5
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	1.8	102.7	104.9	99

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 9	**Report#/Lab ID#:** 130759 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.4	80-120	---
Toluene-d8	8260b	109	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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#: 130760 **Report Date:** 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 10
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/13/2002 **Time:** 10:42

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	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.3	98.7	107.1	97
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	0.5	119.2	116.9	117.2
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1	109.4	106.2	108.4
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.2	118.9	113.8	115.5
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	1.8	102.7	104.9	99

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group	**Project ID:** Darr Angell 2 EOT 2020R	**Report#/Lab ID#:** 130760
Attn: Ken Dutton	**Sample Name:** MW 10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	104	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: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 130761 **Report Date:** 06/27/02
Project ID: Darr Angell 2 EOT 2020R
Sample Name: EB 1
Sample Matrix: water
Date Received: 06/21/2002 **Time:** 09:40
Date Sampled: 06/13/2002 **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	---		---		06/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/26/02	8260b	---	2.3	98.7	107.1	97
Ethylbenzene	<1	µg/L	1	<1	06/26/02	8260b	---	0.5	119.2	116.9	117.2
m,p-Xylenes	<1	µg/L	1	<1	06/26/02	8260b	---	1	109.4	106.2	108.4
o-Xylene	<1	µg/L	1	<1	06/26/02	8260b	---	0.2	118.9	113.8	115.5
Toluene	<1	µg/L	1	<1	06/26/02	8260b	---	1.8	102.7	104.9	99

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Richard Laster

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ANALYSYS Inc.

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group	**Project ID:** Darr Angell 2 EOT 2020R	**Report#/Lab ID#:** 130761
Attn: Ken Dutton	**Sample Name:** EB 1	**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	106	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

COC 0974 2857

CHAIN-OF-CUSTODY

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
Phone (512) 444-5896
Fax: (512) 912-4766

Send Reports To:
Company Name ETGI
Address 2540 W MARLAND
City HOBBS State NM Zip 88240
ATTN: KEN DUTTON
Phone (505) 397-4582 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#: DARR DINGELL 2 EOT 2020R 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 8021	Comments
MW 1	6-13-02	0900	2		X		130752	X	
MW 3		1100					130753		
MW 4		1122					130754		
MW 5		0920					130755		
MW 6		0937					130756		
MW 7		1021					130757		
MW 8		1000					130758		
MW 9		1149					130759		
MW 10		1042					130760		
EB 1		1200					130761		

(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 required reporting limits (RDL/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 + 25 or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 4.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas	ETGI	6/20/02	1400	Valerie Humphreys	ASI	6/21/02	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.

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#: 133273 **Report Date:** 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-1
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/25/2002 **Time:** 11:50

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	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	1.4	71.1	88	84.8
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.8	104.3	99.1	101.2
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	4.3	107.4	99.2	96.3
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	3.2	110.9	102	96.2
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	92	92.7	86.9

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EO2020R **Sample Name:** MW-1	**Report#/Lab ID#:** 133273 **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	100	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#: 133274 **Report Date:** 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-3
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/25/2002 **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	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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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 **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EO2020R **Sample Name:** MW-3	**Report#/Lab ID#:** 133274 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	100	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#: 133275 **Report Date:** 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-4
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/25/2002 **Time:** 13:50

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	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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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:** DARR ANGELL 2 EO2020R **Sample Name:** MW-4	**Report#/Lab ID#:** 133275 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	99.9	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#: 133276 **Report Date:** 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-5
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/25/2002 **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	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EO2020R **Sample Name:** MW-5	**Report#/Lab ID#:** 133276 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	80-120	---
Toluene-d8	8260b	99.8	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#: 133277 **Report Date:** 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-6
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/25/2002 **Time:** 12:10

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	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EO2020R **Sample Name:** MW-6	**Report#/Lab ID#:** 133277 **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	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Attn: Ken Dutton
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Hobbs, NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 133278 **Report Date:** 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-7
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/25/2002 **Time:** 12:50

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	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EO2020R **Sample Name:** MW-7	**Report#/Lab ID#:** 133278 **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	100	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 133279 **Report Date:** 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-8
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/25/2002 **Time:** 12:30

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	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EO2020R **Sample Name:** MW-8	**Report#/Lab ID#:** 133279 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	80-120	---
Toluene-d8	8260b	99.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Tech Group
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Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 133280 **Report Date:** 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-9
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/25/2002 **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	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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Richard Laster

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EO2020R **Sample Name:** MW-9	**Report#/Lab ID#:** 133280 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	100	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#: 133281 **Report Date:** 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: MW-10
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/25/2002 **Time:** 14:10

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	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** DARR ANGELL 2 EO2020R **Sample Name:** MW-10	**Report#/Lab ID#:** 133281 **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.

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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#: 133282 **Report Date:** 09/11/02
Project ID: DARR ANGELL 2 EO2020R
Sample Name: EB 1
Sample Matrix: water
Date Received: 09/04/2002 **Time:** 09:45
Date Sampled: 08/25/2002 **Time:** 14:45

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	---		---		09/06/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/06/02	8260b	---	0.2	74.4	80.8	88
Ethylbenzene	<1	µg/L	1	<1	09/06/02	8260b	---	5.4	119.6	93.6	99.1
m,p-Xylenes	<1	µg/L	1	<1	09/06/02	8260b	---	8.1	117	102.2	99.2
o-Xylene	<1	µg/L	1	<1	09/06/02	8260b	---	6.9	113.5	105.3	102
Toluene	<1	µg/L	1	<1	09/06/02	8260b	---	2.9	98.1	86.8	92.7

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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 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:** DARR ANGELL 2 EO2020R **Sample Name:** EB 1	**Report#/Lab ID#:** 133282 **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	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

COC # 139 3665

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) 397-4582 Fax (505) 397-4701

Bill to (if different):
Company Name Cott
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: DARR ANGELL 2 E020202 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 8021	Comments
MW 1	8/25/02	1150	2		X		133273	X	
MW 3		1430					133274		
MW 4		1350					133275		
MW 5		1130					133276		
MW 6		1210					133277		
MW 7		1250					133278		
MW 8		1230					133279		
MW 9		1330					133280		
MW 10		1410					133281		
EB 1		1445					133282		

(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 practical quantitation 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 + 25 or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 2.0 C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas	ETGI	9/3/02	1500	Melanie Humphrey	ASI	9/4/02	0945

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms]

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 915-397-4701

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ -3 deg. C
Project #: EOT 2020R
Project Name: Darr Angell 2
Project Location: Lea Co., N.M.

Sampling Date: 02/14/01
Receiving Date: 02/21/01
Analysis Date: 02/22/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
37554	MW 1	<0.001	<0.001	<0.001	<0.001	<0.001
37555	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001
37556	MW 4	<0.001	<0.001	<0.001	<0.001	<0.001
37557	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001
%IA		91	95	97	95	97
%EA		87	90	89	86	88
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

Raland K. Tuttle

2-23-01
Date

COC 819

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: JESSE TAYLOR
Company Name: ETGI
Company Address: 2540 W MARLAND
City/State/Zip: HOBBS NM 88240
Telephone No: 397-4882 Fax No: 397-4701
Sampler Signature: Jesse Casas

Project Name: DARR ANGELL 2
Project #: EOT 23020R
Project Loc: LEA COUNTY NM
PO #:

Analyze For:

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)	TCLP / SPLP EC	TCLP 8021	TPH TX 1005/1006	TPH 8015M GRO/DRO	TCLP / SPLP Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B	PUSH - Pre-Scheduled	Standard TAT
37554	MW 1	2-14-01	1330	4	X		X					X											X		
37555	MW 3		1427																						
37556	MW 4		1400																						
37557	EB 1		1500																						

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: 3°C
Laboratory Comments:
FAX RESULTS: HOBBS
MAIL RESULTS: EOT
INVOICE 3 EOT

Relinquished by:	Date	Time	Received by:	Date	Time
Jesse Casas	2-21-01	1730			
Relinquished by	Date	Time	Received by ELOT	Date	Time
				2-21-01	1730

TraceAnalysis, Inc. 6701 Aberdeen Ave., Suite 9 Lubbock, TX 79424-1515 (806) 794-1296

Summary Report

Ken Dutton
ETGI
2540 W. Marland
Hobbs, NM

Report Date: June 25, 2001

Order ID Number: A01061813

Project Number: EOT 2020R
Project Name: DARR Angell 2
Project Location: N/A

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
173584	MW-1	Water	6/7/01	9:30	6/16/01
173585	MW-3	Water	6/7/01	10:00	6/16/01
173586	MW-4	Water	6/7/01	9:45	6/16/01
173587	EB-1	Water	6/7/01	10:15	6/16/01

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)
173584 - MW-1	0.0048	<0.001	<0.001	<0.001	0.0048
173585 - MW-3	0.0048	<0.001	<0.001	<0.001	0.0048
173586 - MW-4	0.0065	<0.001	<0.001	<0.001	0.0065
173587 - 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 25, 2001

Order ID Number: A01061813

Project Number: EOT 2020R
Project Name: DARR Angell 2
Project Location: N/A

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
173584	MW-1	Water	6/7/01	9:30	6/16/01
173585	MW-3	Water	6/7/01	10:00	6/16/01
173586	MW-4	Water	6/7/01	9:45	6/16/01
173587	EB-1	Water	6/7/01	10:15	6/16/01

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 5 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: 173584 - MW-1

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC12053	Date Analyzed:	6/19/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10316	Date Prepared:	6/19/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0048	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.0048	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.117	mg/L	1	0.10	117	72 - 128
4-BFB		0.0981	mg/L	1	0.10	98	72 - 128

Sample: 173585 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC12053	Date Analyzed:	6/19/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10316	Date Prepared:	6/19/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0048	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.0048	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.112	mg/L	1	0.10	112	72 - 128
4-BFB		0.0926	mg/L	1	0.10	92	72 - 128

Sample: 173586 - MW-4

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC12053	Date Analyzed:	6/19/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10316	Date Prepared:	6/19/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0065	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.0065	mg/L	1	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		0.112	mg/L	1	0.10	112	72 - 128
4-BFB		0.0909	mg/L	1	0.10	90	72 - 128

Sample: 173587 - EB-1

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC12053	Date Analyzed:	6/19/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10316	Date Prepared:	6/19/01

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		0.538	mg/L	1	0.10	107	72 - 128
4-BFB		0.45	mg/L	1	0.10	90	72 - 128

Quality Control Report
Method Blank

Method Blank

QCBatch: QC12053

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		0.102	mg/L	1	0.10	102	72 - 128
4-BFB		0.0834	mg/L	1	0.10	83	72 - 128

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC12053

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.0924	0.0918	mg/L	1	0.10	<0.001	92	0	80 - 120	20
Benzene	0.0967	0.0987	mg/L	1	0.10	<0.001	96	2	80 - 120	20
Toluene	0.0923	0.0949	mg/L	1	0.10	<0.001	92	2	80 - 120	20
Ethylbenzene	0.0947	0.0975	mg/L	1	0.10	<0.001	94	2	80 - 120	20
M,P,O-Xylene	0.281	0.288	mg/L	1	0.30	<0.001	93	2	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	0.0991	0.101	mg/L	1	0.10	99	101	72 - 128
4-BFB	0.0931	0.0945	mg/L	1	0.10	93	94	72 - 128

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC12053

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0983	98	85 - 115	6/19/01
Benzene		mg/L	0.10	0.104	104	85 - 115	6/19/01

Continued ...

... Continued

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.10	0.0971	97	85 - 115	6/19/01
Ethylbenzene		mg/L	0.10	0.0994	99	85 - 115	6/19/01
M,P,O-Xylene		mg/L	0.30	0.297	99	85 - 115	6/19/01

CCV (2)

QCBatch: QC12053

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0982	98	85 - 115	6/19/01
Benzene		mg/L	0.10	0.1	100	85 - 115	6/19/01
Toluene		mg/L	0.10	0.0944	94	85 - 115	6/19/01
Ethylbenzene		mg/L	0.10	0.0962	96	85 - 115	6/19/01
M,P,O-Xylene		mg/L	0.30	0.2844	94	85 - 115	6/19/01

ICV (1)

QCBatch: QC12053

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.097	97	85 - 115	6/19/01
Benzene		mg/L	0.10	0.1044	104	85 - 115	6/19/01
Toluene		mg/L	0.10	0.1018	101	85 - 115	6/19/01
Ethylbenzene		mg/L	0.10	0.1045	104	85 - 115	6/19/01
M,P,O-Xylene		mg/L	0.30	0.307	102	85 - 115	6/19/01

CGC 80

Page ___ of ___

6701 Aberdeen Avenue, Ste 9
Lubbock, Texas 79424
Tel (806) 794-1296
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 # A01061813

Company Name: ETGI
Phone #: (505) 397-4882
Address: (Street, City, Zip) 2540 W MARLAND HOBBS NM
Fax #: (505) 392-4701
Contact Person: KEN DUTTON
Invoice to: (If different from above) EOTI
Project #: EOT 2020R
Project Name: DARR ANGELL 2
Project Location:
Sampler Signature:

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	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
173584	MW 1	2	✓	X				X				X		6-7	0930	X															
85	MW 3	↓	↓	↓				↓				↓			1000	↓															
86	MW 4														0945																
87	EB 1													↓	1015	↓															

Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: 6-15-01 1700
Received by: 6/15/01 1733
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received at Laboratory by: Date: Time:
6/16/01 1400

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

ORIGINAL COPY

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB USE ONLY

Intact Y / N
Headspace Y / N
Temp 4 °
Log-in Review MA

REMARKS:

☐ Check If Special Reporting Limits Are Needed

Carrier #

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#: 119550 **Report Date:** 10/10/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 1
Sample Matrix: water
Date Received: 09/21/2001 **Time:** 15:58
Date Sampled: 09/19/2001 **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	---		---		09/28/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	96	88.6	97.8
Ethylbenzene	<1	µg/L	1	<1	09/28/01	8260b	---	3.7	100.1	104	98.9
m,p-Xylenes	<1	µg/L	1	<1	09/28/01	8260b	---	3	99.4	99.5	99.9
o-Xylene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	98.4	97.4	100.2
Toluene	<1	µg/L	1	<1	09/28/01	8260b	---	3.3	92.8	90.2	96.8

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

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.
4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 1

Report#/Lab ID#: 119550
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	102	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#: 119551 **Report Date:** 10/10/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 3
Sample Matrix: water
Date Received: 09/21/2001 **Time:** 15:58
Date Sampled: 09/19/2001 **Time:** 15:35

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	---		---		09/28/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	96	88.6	97.8
Ethylbenzene	<1	µg/L	1	<1	09/28/01	8260b	---	3.7	100.1	104	98.9
m,p-Xylenes	<1	µg/L	1	<1	09/28/01	8260b	---	3	99.4	99.5	99.9
o-Xylene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	98.4	97.4	100.2
Toluene	<1	µg/L	1	<1	09/28/01	8260b	---	3.3	92.8	90.2	96.8

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

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:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 3	**Report#/Lab ID#:** 119551 **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	104	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#: 119552 **Report Date:** 10/10/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 4
Sample Matrix: water
Date Received: 09/21/2001 **Time:** 15:58
Date Sampled: 09/19/2001 **Time:** 15:15

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	---		---		09/28/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	96	88.6	97.8
Ethylbenzene	<1	µg/L	1	<1	09/28/01	8260b	---	3.7	100.1	104	98.9
m,p-Xylenes	<1	µg/L	1	<1	09/28/01	8260b	---	3	99.4	99.5	99.9
o-Xylene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	98.4	97.4	100.2
Toluene	<1	µg/L	1	<1	09/28/01	8260b	---	3.3	92.8	90.2	96.8

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Respectfully Submitted,

Richard Laster

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 4	**Report#/Lab ID#:** 119552 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.6	80-120	---
Toluene-d8	8260b	104	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Tech Group
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Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119553 **Report Date:** 10/10/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 5
Sample Matrix: water
Date Received: 09/21/2001 **Time:** 15:58
Date Sampled: 09/19/2001 **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]
A/BN extraction-PAH	---	---	---	---	09/25/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	09/25/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	09/25/01	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	09/25/01	3005A	---	---	---	---	---
Total dissolved solids	369	mg/L	1	<1	09/24/01	160.1	---	6.14	-NA-	-NA-	-NA-
Aluminum/ICP	245	mg/L	4	<4	10/04/01	6010 & 200.7	---	5.8	112.16	94.88	108.78
Arsenic/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	2.84	102.93	104.4	108.74
Barium/ICP	2.57	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	5.03	95.9	100.75	105.92
Beryllium/ICP	<0.08	mg/L	0.08	<0.08	10/04/01	6010 & 200.7	---	4.9	102.94	108.75	111.24
Boron/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	2.74	108.64	98.88	111.8
Cadmium/ICP	<0.1	mg/L	0.1	<0.1	10/04/01	6010 & 200.7	---	3.54	108.23	103	112
Calcium/ICP*filtered	81.3	mg/L	10	<10	10/04/01	6010 & 200.7	---	2.63	98.78	101.1	110.02
Chromium/ICP	0.211	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	3.13	95.65	103.38	112.73
Cobalt/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.47	100.4	101.88	111.44
Copper/ICP	0.442	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	4.54	112.65	96.95	107.16
Iron/ICP	139	mg/L	1	<1	10/04/01	6010 & 200.7	---	2.01	97.28	106.05	111.31
Lead/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	3.65	94.78	107.95	108.96
Magnesium/ICP*filtered	16.4	mg/L	5	<5	10/04/01	6010 & 200.7	---	2.43	96.31	102.15	112.07
Manganese/ICP	1.43	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	2.49	94.75	106	112.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	09/26/01	245.1&7470	---	8.09	83.84	81	88.67
Molybdenum/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.23	97.14	102.5	105.09

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 5

Report#/Lab ID#: 119553
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Nickel/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	2.91	97.27	106.25	111.4
Potassium/AA*filtered	3.58	mg/L	0.25	<0.25	10/09/01	258.1&7610	---	5.91	86.01	107.85	105.9
Selenium/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	3.63	99.91	103.13	101.01
Silver/GFAA	<0.004	mg/L	0.004	<0.004	09/26/01	272.2&7761	S,M	13.89	50.06	92.5	101
Sodium/ICP*filtered	59	mg/L	50	<50	10/04/01	6010 & 200.7	---	1.32	96.25	105.75	110.09
Strontium/ICP	1.97	mg/L	1	<1	10/04/01	6010 & 200.7	---	4.63	101.32	105.4	110.61
Tin/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	0.93	116.53	100.4	100.32
Vanadium/ICP	0.517	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	4.64	105.45	104.15	110.99
Zinc/ICP	2.55	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	3.23	102.47	101.5	110.89
Alkalinity, bicarbonate	190	mg/L	10	<10	09/26/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	09/26/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	62.9	mg/L	5	<5	09/24/01	325.2&9251	---	2.2	101.37	108.62	96.43
Sulfate	87.8	mg/L	2	<2	10/01/01	375.4&9038	---	2.6	105.48	101.98	102.95
Extractable organics-PAH	---	---	---	---	09/28/01	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		09/28/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	96	88.6	97.8
Ethylbenzene	<1	µg/L	1	<1	09/28/01	8260b	---	3.7	100.1	104	98.9
m,p-Xylenes	<1	µg/L	1	<1	09/28/01	8260b	---	3	99.4	99.5	99.9
o-Xylene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	98.4	97.4	100.2
Toluene	<1	µg/L	1	<1	09/28/01	8260b	---	3.3	92.8	90.2	96.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	J	1.7	77.2	116	64.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.6	82.1	114.5	72.7
Anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	4.7	86.7	111.9	77.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	5.7	90.6	107.8	92.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.4	90.8	111.7	94.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.6	89	107.6	93.8
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	6.6	93.3	106.9	96.5
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	4.6	95.7	111.7	96.6
Chrysene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	6.2	95.6	115.3	98.3
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.1	95.6	105.6	99.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	5.8	98.6	112.2	97.9
Fluorene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.8	76.6	109.2	67.8

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 5	**Report#/Lab ID#:** 119553 **Sample Matrix:** water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.2	91.4	106.5	95.4
Naphthalene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	12.5	61.4	107.6	53.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.1	93.3	113.1	78.7
Pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.7	83.6	102.5	83.2

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 5	**Report#/Lab ID#:** 119553 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	103	88-110	---
2-Fluorobiphenyl	8270c	49.8	43-116	---
Nitrobenzene-d5	8270c	62.5	35-114	---
Terphenyl-d14	8270c	41.2	33-141	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 119553 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 5

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
Boron/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Silver/GFAA	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M flag.
Acenaphthene	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#: 119554 **Report Date:** 10/10/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 6
Sample Matrix: water
Date Received: 09/21/2001 **Time:** 15:58
Date Sampled: 09/19/2001 **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]
A/BN extraction-PAH	---	---	---	---	09/25/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	09/25/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	09/25/01	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	09/25/01	3005A	---	---	---	---	---
Total dissolved solids	1120	mg/L	1	<1	09/24/01	160.1	---	6.14	-NA-	-NA-	-NA-
Aluminum/ICP	496	mg/L	4	<4	10/04/01	6010 & 200.7	---	5.8	112.16	94.88	108.78
Arsenic/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	2.84	102.93	104.4	108.74
Barium/ICP	4.14	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	5.03	95.9	100.75	105.92
Beryllium/ICP	<0.08	mg/L	0.08	<0.08	10/04/01	6010 & 200.7	---	4.9	102.94	108.75	111.24
Boron/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	2.74	108.64	98.88	111.8
Cadmium/ICP	<0.1	mg/L	0.1	<0.1	10/04/01	6010 & 200.7	---	3.54	108.23	103	112
Calcium/ICP*filtered	187	mg/L	10	<10	10/04/01	6010 & 200.7	---	2.63	98.78	101.1	110.02
Chromium/ICP	0.482	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	3.13	95.65	103.38	112.73
Cobalt/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.47	100.4	101.88	111.44
Copper/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	4.54	112.65	96.95	107.16
Iron/ICP	254	mg/L	1	<1	10/04/01	6010 & 200.7	---	2.01	97.28	106.05	111.31
Lead/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	3.65	94.78	107.95	108.96
Magnesium/ICP*filtered	44.7	mg/L	5	<5	10/04/01	6010 & 200.7	---	2.43	96.31	102.15	112.07
Manganese/ICP	2.6	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	2.49	94.75	106	112.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	09/26/01	245.1&7470	---	8.09	83.84	81	88.67
Molybdenum/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.23	97.14	102.5	105.09

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 6

Report#/Lab ID#: 119554
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Nickel/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	2.91	97.27	106.25	111.4
Potassium/AA*filtered	5.52	mg/L	0.5	<0.5	10/09/01	258.1&7610	---	5.91	86.01	107.85	105.9
Selenium/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	3.63	99.91	103.13	101.01
Silver/GFAA	<0.004	mg/L	0.004	<0.004	09/26/01	272.2&7761	S,M	13.89	50.06	92.5	101
Sodium/ICP*filtered	79.7	mg/L	50	<50	10/04/01	6010 & 200.7	---	1.32	96.25	105.75	110.09
Strontium/ICP	4.07	mg/L	1	<1	10/04/01	6010 & 200.7	---	4.63	101.32	105.4	110.61
Tin/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	0.93	116.53	100.4	100.32
Vanadium/ICP	1.13	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	4.64	105.45	104.15	110.99
Zinc/ICP	1.9	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	3.23	102.47	101.5	110.89
Alkalinity, bicarbonate	310	mg/L	10	<10	09/26/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	09/26/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	314	mg/L	5	<5	09/24/01	325.2&9251	---	2.2	101.37	108.62	96.43
Sulfate	83.5	mg/L	2	<2	10/01/01	375.4&9038	---	2.6	105.48	101.98	102.95
Extractable organics-PAH	---	---	---	---	09/28/01	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		09/28/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	96	88.6	97.8
Ethylbenzene	<1	µg/L	1	<1	09/28/01	8260b	---	3.7	100.1	104	98.9
m,p-Xylenes	<1	µg/L	1	<1	09/28/01	8260b	---	3	99.4	99.5	99.9
o-Xylene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	98.4	97.4	100.2
Toluene	<1	µg/L	1	<1	09/28/01	8260b	---	3.3	92.8	90.2	96.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	1.7	77.2	116	64.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.6	82.1	114.5	72.7
Anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	4.7	86.7	111.9	77.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	5.7	90.6	107.8	92.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.4	90.8	111.7	94.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.6	89	107.6	93.8
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	6.6	93.3	106.9	96.5
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	4.6	95.7	111.7	96.6
Chrysene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	6.2	95.6	115.3	98.3
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.1	95.6	105.6	99.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	5.8	98.6	112.2	97.9
Fluorene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.8	76.6	109.2	67.8

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 6

Report#/Lab ID#: 119554
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.2	91.4	106.5	95.4
Naphthalene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	12.5	61.4	107.6	53.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.1	93.3	113.1	78.7
Pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.7	83.6	102.5	83.2

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 6	**Report#/Lab ID#:** 119554 **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	110	88-110	---
2-Fluorobiphenyl	8270c	46	43-116	---
Nitrobenzene-d5	8270c	80.7	35-114	---
Terphenyl-d14	8270c	61.7	33-141	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 119554 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 6

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
Boron/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Silver/GFAA	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.

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#: 119555 **Report Date:** 10/10/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 7
Sample Matrix: water
Date Received: 09/21/2001 **Time:** 15:58
Date Sampled: 09/19/2001 **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]
A/BN extraction-PAH	---	---	---	---	09/25/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	09/25/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	09/25/01	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	09/25/01	3005A	---	---	---	---	---
Total dissolved solids	657	mg/L	1	<1	09/24/01	160.1	---	6.14	-NA-	-NA-	-NA-
Aluminum/ICP	216	mg/L	4	<4	10/04/01	6010 & 200.7	---	5.8	112.16	94.88	108.78
Arsenic/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	2.84	102.93	104.4	108.74
Barium/ICP	1.71	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	5.03	95.9	100.75	105.92
Beryllium/ICP	<0.08	mg/L	0.08	<0.08	10/04/01	6010 & 200.7	---	4.9	102.94	108.75	111.24
Boron/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	2.74	108.64	98.88	111.8
Cadmium/ICP	<0.1	mg/L	0.1	<0.1	10/04/01	6010 & 200.7	---	3.54	108.23	103	112
Calcium/ICP*filtered	127	mg/L	10	<10	10/04/01	6010 & 200.7	---	2.63	98.78	101.1	110.02
Chromium/ICP	0.217	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	3.13	95.65	103.38	112.73
Cobalt/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.47	100.4	101.88	111.44
Copper/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	4.54	112.65	96.95	107.16
Iron/ICP	127	mg/L	1	<1	10/04/01	6010 & 200.7	---	2.01	97.28	106.05	111.31
Lead/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.65	94.78	107.95	108.96
Magnesium/ICP*filtered	28.5	mg/L	5	<5	10/04/01	6010 & 200.7	---	2.43	96.31	102.15	112.07
Manganese/ICP	1.25	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	2.49	94.75	106	112.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	09/26/01	245.1&7470	---	8.09	83.84	81	88.67
Molybdenum/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.23	97.14	102.5	105.09

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

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: Darr Angell 2 EOT 2020R
Sample Name: MW 7

Report#/Lab ID#: 119555
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Nickel/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	2.91	97.27	106.25	111.4
Potassium/AA*filtered	4.7	mg/L	0.5	<0.5	10/09/01	258.1&7610	---	5.91	86.01	107.85	105.9
Selenium/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	3.63	99.91	103.13	101.01
Silver/GFAA	<0.004	mg/L	0.004	<0.004	09/26/01	272.2&7761	S,M	13.89	50.06	92.5	101
Sodium/ICP*filtered	76	mg/L	50	<50	10/04/01	6010 & 200.7	---	1.32	96.25	105.75	110.09
Strontium/ICP	2.05	mg/L	1	<1	10/04/01	6010 & 200.7	---	4.63	101.32	105.4	110.61
Tin/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	0.93	116.53	100.4	100.32
Vanadium/ICP	0.479	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	4.64	105.45	104.15	110.99
Zinc/ICP	0.586	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	3.23	102.47	101.5	110.89
Alkalinity, bicarbonate	380	mg/L	10	<10	09/26/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	09/26/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	98.1	mg/L	5	<5	09/24/01	325.2&9251	---	2.2	101.37	108.62	96.43
Sulfate	64.4	mg/L	2	<2	10/01/01	375.4&9038	---	2.6	105.48	101.98	102.95
Extractable organics-PAH	---	---	---	---	09/28/01	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		09/28/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	96	88.6	97.8
Ethylbenzene	<1	µg/L	1	<1	09/28/01	8260b	---	3.7	100.1	104	98.9
m,p-Xylenes	<1	µg/L	1	<1	09/28/01	8260b	---	3	99.4	99.5	99.9
o-Xylene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	98.4	97.4	100.2
Toluene	<1	µg/L	1	<1	09/28/01	8260b	---	3.3	92.8	90.2	96.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	1.7	77.2	116	64.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.6	82.1	114.5	72.7
Anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	4.7	86.7	111.9	77.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	J	5.7	90.6	107.8	92.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.4	90.8	111.7	94.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.6	89	107.6	93.8
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	6.6	93.3	106.9	96.5
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	4.6	95.7	111.7	96.6
Chrysene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	J	6.2	95.6	115.3	98.3
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.1	95.6	105.6	99.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	5.8	98.6	112.2	97.9
Fluorene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.8	76.6	109.2	67.8

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 7	**Report#/Lab ID#:** 119555 **Sample Matrix:** water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.2	91.4	106.5	95.4
Naphthalene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	12.5	61.4	107.6	53.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.1	93.3	113.1	78.7
Pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.7	83.6	102.5	83.2

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 7	**Report#/Lab ID#:** 119555 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	108	88-110	---
2-Fluorobiphenyl	8270c	45.5	43-116	---
Nitrobenzene-d5	8270c	64.3	35-114	---
Terphenyl-d14	8270c	46.3	33-141	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 119555 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 7

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
Boron/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Silver/GFAA	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Benzo[a]anthracene	J	See J-flag discussion above.
Chrysene	J	See J-flag discussion above.

Notes:

AnalySys Inc.

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Address: 2540 W. Marland
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Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119556 **Report Date:** 10/10/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 8
Sample Matrix: water
Date Received: 09/21/2001 **Time:** 15:58
Date Sampled: 09/19/2001 **Time:** 12:30

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]
A/BN extraction-PAH	---	---	---	---	09/25/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	09/25/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	09/25/01	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	09/25/01	3005A	---	---	---	---	---
Total dissolved solids	418	mg/L	1	<1	09/24/01	160.1	---	6.14	-NA-	-NA-	-NA-
Aluminum/ICP	141	mg/L	4	<4	10/04/01	6010 & 200.7	---	5.8	112.16	94.88	108.78
Arsenic/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	2.84	102.93	104.4	108.74
Barium/ICP	1.74	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	5.03	95.9	100.75	105.92
Beryllium/ICP	<0.08	mg/L	0.08	<0.08	10/04/01	6010 & 200.7	---	4.9	102.94	108.75	111.24
Boron/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	2.74	108.64	98.88	111.8
Cadmium/ICP	<0.1	mg/L	0.1	<0.1	10/04/01	6010 & 200.7	---	3.54	108.23	103	112
Calcium/ICP*filtered	83.2	mg/L	10	<10	10/04/01	6010 & 200.7	---	2.63	98.78	101.1	110.02
Chromium/ICP	<0.2	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	J	3.13	95.65	103.38	112.73
Cobalt/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.47	100.4	101.88	111.44
Copper/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	4.54	112.65	96.95	107.16
Iron/ICP	85.5	mg/L	1	<1	10/04/01	6010 & 200.7	---	2.01	97.28	106.05	111.31
Lead/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.65	94.78	107.95	108.96
Magnesium/ICP*filtered	17.9	mg/L	5	<5	10/04/01	6010 & 200.7	---	2.43	96.31	102.15	112.07
Manganese/ICP	0.874	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	2.49	94.75	106	112.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	09/26/01	245.1&7470	---	8.09	83.84	81	88.67
Molybdenum/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.23	97.14	102.5	105.09

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

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: Darr Angell 2 EOT 2020R
Sample Name: MW 8

Report#/Lab ID#: 119556
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Nickel/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	2.91	97.27	106.25	111.4
Potassium/AA*filtered	4.02	mg/L	0.25	<0.25	10/09/01	258.1&7610	---	5.91	86.01	107.85	105.9
Selenium/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	3.63	99.91	103.13	101.01
Silver/GFAA	<0.004	mg/L	0.004	<0.004	09/26/01	272.2&7761	J,S,M	13.89	50.06	92.5	101
Sodium/ICP*filtered	59.9	mg/L	50	<50	10/04/01	6010 & 200.7	---	1.32	96.25	105.75	110.09
Strontium/ICP	1.42	mg/L	1	<1	10/04/01	6010 & 200.7	---	4.63	101.32	105.4	110.61
Tin/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	0.93	116.53	100.4	100.32
Vanadium/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	4.64	105.45	104.15	110.99
Zinc/ICP	0.458	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	3.23	102.47	101.5	110.89
Alkalinity, bicarbonate	210	mg/L	10	<10	09/26/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	09/26/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	44.1	mg/L	5	<5	09/24/01	325.2&9251	---	2.2	101.37	108.62	96.43
Sulfate	89	mg/L	2	<2	10/01/01	375.4&9038	---	2.6	105.48	101.98	102.95
Extractable organics-PAH	---	---	---	---	09/28/01	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		09/28/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	96	88.6	97.8
Ethylbenzene	<1	µg/L	1	<1	09/28/01	8260b	---	3.7	100.1	104	98.9
m,p-Xylenes	<1	µg/L	1	<1	09/28/01	8260b	---	3	99.4	99.5	99.9
o-Xylene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	98.4	97.4	100.2
Toluene	<1	µg/L	1	<1	09/28/01	8260b	---	3.3	92.8	90.2	96.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	1.7	77.2	116	64.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.6	82.1	114.5	72.7
Anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	4.7	86.7	111.9	77.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	5.7	90.6	107.8	92.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.4	90.8	111.7	94.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.6	89	107.6	93.8
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	6.6	93.3	106.9	96.5
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	4.6	95.7	111.7	96.6
Chrysene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	J	6.2	95.6	115.3	98.3
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.1	95.6	105.6	99.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	5.8	98.6	112.2	97.9
Fluorene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.8	76.6	109.2	67.8

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Duttou	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 8	**Report#/Lab ID#:** 119556 **Sample Matrix:** water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.2	91.4	106.5	95.4
Naphthalene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	12.5	61.4	107.6	53.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.1	93.3	113.1	78.7
Pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.7	83.6	102.5	83.2

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 8	**Report#/Lab ID#:** 119556 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	80-120	---
Toluene-d8	8260b	110	88-110	---
2-Fluorobiphenyl	8270c	43.3	43-116	---
Nitrobenzene-d5	8270c	69.1	35-114	---
Terphenyl-d14	8270c	61.5	33-141	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 119556 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 8

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
Boron/ICP	J	See J-flag discussion above.
Chromium/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Silver/GFAA	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M flag.
Silver/GFAA	J	See J-flag discussion above.
Vanadium/ICP	J	See J-flag discussion above.
Chrysene	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#: 119557 **Report Date:** 10/10/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 9
Sample Matrix: water
Date Received: 09/21/2001 **Time:** 15:58
Date Sampled: 09/19/2001 **Time:** 14:50

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]
A/BN extraction-PAH	---	---	---	---	09/25/01	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	09/25/01	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	09/25/01	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	09/25/01	3005A	---	---	---	---	---
Total dissolved solids	396	mg/L	1	<1	09/24/01	160.1	---	6.14	-NA-	-NA-	-NA-
Aluminum/ICP	262	mg/L	4	<4	10/04/01	6010 & 200.7	---	5.8	112.16	94.88	108.78
Arsenic/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	2.84	102.93	104.4	108.74
Barium/ICP	2.25	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	5.03	95.9	100.75	105.92
Beryllium/ICP	<0.08	mg/L	0.08	<0.08	10/04/01	6010 & 200.7	---	4.9	102.94	108.75	111.24
Boron/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	2.74	108.64	98.88	111.8
Cadmium/ICP	<0.1	mg/L	0.1	<0.1	10/04/01	6010 & 200.7	---	3.54	108.23	103	112
Calcium/ICP*filtered	77.6	mg/L	10	<10	10/04/01	6010 & 200.7	---	2.63	98.78	101.1	110.02
Chromium/ICP	0.28	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	3.13	95.65	103.38	112.73
Cobalt/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.47	100.4	101.88	111.44
Copper/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	4.54	112.65	96.95	107.16
Iron/ICP	158	mg/L	1	<1	10/04/01	6010 & 200.7	---	2.01	97.28	106.05	111.31
Lead/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.65	94.78	107.95	108.96
Magnesium/ICP*filtered	16.4	mg/L	5	<5	10/04/01	6010 & 200.7	---	2.43	96.31	102.15	112.07
Manganese/ICP	1.42	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	2.49	94.75	106	112.66
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	09/26/01	245.1&7470	---	8.09	83.84	81	88.67
Molybdenum/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	3.23	97.14	102.5	105.09

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

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:** Darr Angell 2 EOT 2020R **Sample Name:** MW 9	**Report#/Lab ID#:** 119557 **Sample Matrix:** water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Nickel/ICP	<0.4	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	J	2.91	97.27	106.25	111.4
Potassium/AA*filtered	3.81	mg/L	0.25	<0.25	10/09/01	258.1&7610	---	5.91	86.01	107.85	105.9
Selenium/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	3.63	99.91	103.13	101.01
Silver/GFAA	<0.004	mg/L	0.004	<0.004	09/26/01	272.2&7761	S,M	13.89	50.06	92.5	101
Sodium/ICP*filtered	54.1	mg/L	50	<50	10/04/01	6010 & 200.7	---	1.32	96.25	105.75	110.09
Strontium/ICP	1.65	mg/L	1	<1	10/04/01	6010 & 200.7	---	4.63	101.32	105.4	110.61
Tin/ICP	<1	mg/L	1	<1	10/04/01	6010 & 200.7	---	0.93	116.53	100.4	100.32
Vanadium/ICP	0.728	mg/L	0.4	<0.4	10/04/01	6010 & 200.7	---	4.64	105.45	104.15	110.99
Zinc/ICP	0.934	mg/L	0.2	<0.2	10/04/01	6010 & 200.7	---	3.23	102.47	101.5	110.89
Alkalinity, bicarbonate	190	mg/L	10	<10	09/26/01	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	09/26/01	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	43.3	mg/L	5	<5	09/24/01	325.2&9251	---	2.2	101.37	108.62	96.43
Sulfate	92.2	mg/L	2	<2	10/01/01	375.4&9038	---	2.6	105.48	101.98	102.95
Extractable organics-PAH	---	---	---	---	09/28/01	8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		10/01/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/01/01	8260b	---	2.9	96	88.6	97.8
Ethylbenzene	<1	µg/L	1	<1	10/01/01	8260b	---	3.7	100.1	104	98.9
m,p-Xylenes	<1	µg/L	1	<1	10/01/01	8260b	---	3	99.4	99.5	99.9
o-Xylene	<1	µg/L	1	<1	10/01/01	8260b	---	2.9	98.4	97.4	100.2
Toluene	<1	µg/L	1	<1	10/01/01	8260b	---	3.3	92.8	90.2	96.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	1.7	77.2	116	64.1
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.6	82.1	114.5	72.7
Anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	4.7	86.7	111.9	77.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	J	5.7	90.6	107.8	92.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.4	90.8	111.7	94.8
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.6	89	107.6	93.8
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	6.6	93.3	106.9	96.5
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	4.6	95.7	111.7	96.6
Chrysene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	J	6.2	95.6	115.3	98.3
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.1	95.6	105.6	99.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	5.8	98.6	112.2	97.9
Fluorene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.8	76.6	109.2	67.8

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 9	**Report#/Lab ID#:** 119557 **Sample Matrix:** water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	7.2	91.4	106.5	95.4
Naphthalene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	12.5	61.4	107.6	53.4
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.1	93.3	113.1	78.7
Pyrene	<0.05	µg/L	0.05	<0.05	09/28/01	8270c	---	2.7	83.6	102.5	83.2

ANALYSYS INC.

4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell 2 EOT 2020R **Sample Name:** MW 9	**Report#/Lab ID#:** 119557 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.3	80-120	---
Toluene-d8	8260b	104	88-110	---
2-Fluorobiphenyl	8270c	46.6	43-116	---
Nitrobenzene-d5	8270c	71.2	35-114	---
Terphenyl-d14	8270c	48.4	33-141	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 119557 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: MW 9

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
Boron/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Silver/GFAA	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M flag.
Benzo[a]anthracene	J	See J-flag discussion above.
Chrysene	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#: 119558 **Report Date:** 10/10/01
Project ID: Darr Angell 2 EOT 2020R
Sample Name: EB 1
Sample Matrix: water
Date Received: 09/21/2001 **Time:** 15:58
Date Sampled: 09/19/2001 **Time:** 15:50

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	---		---		09/28/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	96	88.6	97.8
Ethylbenzene	<1	µg/L	1	<1	09/28/01	8260b	---	3.7	100.1	104	98.9
m,p-Xylenes	<1	µg/L	1	<1	09/28/01	8260b	---	3	99.4	99.5	99.9
o-Xylene	<1	µg/L	1	<1	09/28/01	8260b	---	2.9	98.4	97.4	100.2
Toluene	<1	µg/L	1	<1	09/28/01	8260b	J	3.3	92.8	90.2	96.8

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Darr Angell 2 EOT 2020R
Sample Name: EB 1

Report#/Lab ID#: 119558
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	109	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 119558 **Matrix:** water
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: Darr Angell 2 EOT 2020R
Sample Name: EB 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

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☐ Sample received in appropriate container(s). State of sample preservation unknown.
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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:

HAIN OF CUSTODY

AnalySys, Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

nd Reports To:
ompany Name ETGI
ldress 2540 W MARLAND
ty HOBBS State NM Zip 88240
TTN: KEN DUTTON
one (505) 397-4882 Fax (505) 397-4701
ish Status (must be confirmed with lab mgr.):
oject Name/PO#: DARR ANGELL 2 Sampler: Lemon Coons
EOT 2020R

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

#92

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	PAH 8100	CATIONS 6010	ANIONS 300.0	TDS 160.1	HEAVY METALS 6010	Comments
MW 1	9-19-01	1430	2		2		119550	X						
MW 3		1535					119551							
MW 4		1515	↓				119552							
MW 5		1400	6				119553		X	X	X	X	X	
MW 6		1330					119554							
MW 7		1300					119555							
MW 8		1230					119556							
MW 9		1450	↓				119557		↓	↓	↓	↓	↓	
EB 1	↓	1550	2		↓		119558	↓						

less 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 (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 HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

TEMP 1.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
~~Lemon Coons~~	ETGI	9-20-01	9:00AM	Melanie Humphrey	ASI	9/21/01	1518

dering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.

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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
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 120774 **Report Date:** 10/23/01
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 1
Sample Matrix: water
Date Received: 10/16/2001 **Time:** 12:11
Date Sampled: 10/11/2001 **Time:** 14:25

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	---		---		10/19/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/19/01	8260b	---	17.4	86.4	106.8	103.2
Ethylbenzene	<1	µg/L	1	<1	10/19/01	8260b	---	2.2	103	105.4	105.5
m,p-Xylenes	<1	µg/L	1	<1	10/19/01	8260b	---	2.3	101.9	104.2	104.3
o-Xylene	<1	µg/L	1	<1	10/19/01	8260b	---	1.9	103.2	105.6	106
Toluene	<1	µg/L	1	<1	10/19/01	8260b	---	16	86	105.3	102.3

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Respectfully Submitted,

Richard Laster

Richard Laster

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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#: 120775 **Report Date:** 10/23/01
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 3
Sample Matrix: water
Date Received: 10/16/2001 **Time:** 12:11
Date Sampled: 10/11/2001 **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	---		---		10/19/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/19/01	8260b	---	17.4	86.4	106.8	103.2
Ethylbenzene	<1	µg/L	1	<1	10/19/01	8260b	---	2.2	103	105.4	105.5
m,p-Xylenes	<1	µg/L	1	<1	10/19/01	8260b	---	2.3	101.9	104.2	104.3
o-Xylene	<1	µg/L	1	<1	10/19/01	8260b	---	1.9	103.2	105.6	106
Toluene	<1	µg/L	1	<1	10/19/01	8260b	---	16	86	105.3	102.3

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ANALYSYS INC.

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(512) 444-5896 • FAX (512) 447-4766

Client: *Environmental Tech Group*	**Project ID:** Darr Angell #2 EOT 2020R	**Report#/Lab ID#:** 120775
Attn: Ken Dutton	**Sample Name:** MW 3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.7	80-120	---
Toluene-d8	8260b	92	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: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 120776 **Report Date:** 10/23/01
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 4
Sample Matrix: water
Date Received: 10/16/2001 **Time:** 12:11
Date Sampled: 10/11/2001 **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	---		---		10/19/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/19/01	8260b	---	17.4	86.4	106.8	103.2
Ethylbenzene	<1	µg/L	1	<1	10/19/01	8260b	---	2.2	103	105.4	105.5
m,p-Xylenes	<1	µg/L	1	<1	10/19/01	8260b	---	2.3	101.9	104.2	104.3
o-Xylene	<1	µg/L	1	<1	10/19/01	8260b	---	1.9	103.2	105.6	106
Toluene	<1	µg/L	1	<1	10/19/01	8260b	---	16	86	105.3	102.3

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 4	**Report#/Lab ID#:** 120776 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	109	80-120	---
Toluene-d8	8260b	90.8	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#: 120777 **Report Date:** 10/23/01
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 5
Sample Matrix: water
Date Received: 10/16/2001 **Time:** 12:11
Date Sampled: 10/11/2001 **Time:** 14:45

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	---		---		10/19/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/19/01	8260b	---	17.4	86.4	106.8	103.2
Ethylbenzene	<1	µg/L	1	<1	10/19/01	8260b	---	2.2	103	105.4	105.5
m,p-Xylenes	<1	µg/L	1	<1	10/19/01	8260b	---	2.3	101.9	104.2	104.3
o-Xylene	<1	µg/L	1	<1	10/19/01	8260b	---	1.9	103.2	105.6	106
Toluene	<1	µg/L	1	<1	10/19/01	8260b	---	16	86	105.3	102.3

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 5	**Report#/Lab ID#:** 120777 **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	91	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: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 120778 **Report Date:** 10/23/01
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 6
Sample Matrix: water
Date Received: 10/16/2001 **Time:** 12:11
Date Sampled: 10/11/2001 **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	---		---		10/19/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/19/01	8260b	---	17.4	86.4	106.8	103.2
Ethylbenzene	<1	µg/L	1	<1	10/19/01	8260b	---	2.2	103	105.4	105.5
m,p-Xylenes	<1	µg/L	1	<1	10/19/01	8260b	---	2.3	101.9	104.2	104.3
o-Xylene	<1	µg/L	1	<1	10/19/01	8260b	---	1.9	103.2	105.6	106
Toluene	<1	µg/L	1	<1	10/19/01	8260b	---	16	86	105.3	102.3

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Richard Laster

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ANALYSYS INC.

4221 Freidrich Lane,Suite 190, Austin, [redacted] 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 6	**Report#/Lab ID#:** 120778 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	95.3	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#: 120779 **Report Date:** 10/23/01
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 7
Sample Matrix: water
Date Received: 10/16/2001 **Time:** 12:11
Date Sampled: 10/11/2001 **Time:** 13:16

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	---		---		10/19/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/19/01	8260b	---	17.4	86.4	106.8	103.2
Ethylbenzene	<1	µg/L	1	<1	10/19/01	8260b	---	2.2	103	105.4	105.5
m,p-Xylenes	<1	µg/L	1	<1	10/19/01	8260b	---	2.3	101.9	104.2	104.3
o-Xylene	<1	µg/L	1	<1	10/19/01	8260b	---	1.9	103.2	105.6	106
Toluene	<1	µg/L	1	<1	10/19/01	8260b	---	16	86	105.3	102.3

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Respectfully Submitted,

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 7	**Report#/Lab ID#:** 120779 **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	92.1	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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#: 120780 **Report Date:** 10/23/01
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 8
Sample Matrix: water
Date Received: 10/16/2001 **Time:** 12:11
Date Sampled: 10/11/2001 **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	---		---		10/19/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/19/01	8260b	---	17.4	86.4	106.8	103.2
Ethylbenzene	<1	µg/L	1	<1	10/19/01	8260b	---	2.2	103	105.4	105.5
m,p-Xylenes	<1	µg/L	1	<1	10/19/01	8260b	---	2.3	101.9	104.2	104.3
o-Xylene	<1	µg/L	1	<1	10/19/01	8260b	---	1.9	103.2	105.6	106
Toluene	<1	µg/L	1	<1	10/19/01	8260b	---	16	86	105.3	102.3

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 8	**Report#/Lab ID#:** 120780 **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	93.6	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: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 120781 **Report Date:** 10/23/01
Project ID: Darr Angell #2 EOT 2020R
Sample Name: MW 9
Sample Matrix: water
Date Received: 10/16/2001 **Time:** 12:11
Date Sampled: 10/11/2001 **Time:** 11:12

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	---		---		10/20/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/20/01	8260b	---	1.1	102.5	103.9	96.9
Ethylbenzene	<1	µg/L	1	<1	10/20/01	8260b	---	0.2	105.2	101.5	82.1
m,p-Xylenes	<1	µg/L	1	<1	10/20/01	8260b	---	0.1	103.3	99.1	75.1
o-Xylene	<1	µg/L	1	<1	10/20/01	8260b	---	0.2	106.7	103.1	87.4
Toluene	<1	µg/L	1	<1	10/20/01	8260b	---	1.8	101.8	99.9	71.2

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** MW 9	**Report#/Lab ID#:** 120781 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.5	80-120	---
Toluene-d8	8260b	91.5	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#: 120782 **Report Date:** 10/23/01
Project ID: Darr Angell #2 EOT 2020R
Sample Name: EB 1
Sample Matrix: water
Date Received: 10/16/2001 **Time:** 12:11
Date Sampled: 10/11/2001 **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	---		---		10/20/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/20/01	8260b	---	0.7	99.8	83.3	101.7
Ethylbenzene	<1	µg/L	1	<1	10/20/01	8260b	---	0.8	103.9	102.9	102.6
m,p-Xylenes	<1	µg/L	1	<1	10/20/01	8260b	---	0.8	101.4	100.2	100.1
o-Xylene	<1	µg/L	1	<1	10/20/01	8260b	---	0.1	105.4	104.5	104.7
Toluene	<1	µg/L	1	<1	10/20/01	8260b	---	0.3	95.6	82.3	96.7

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Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** Darr Angell #2 EOT 2020R **Sample Name:** EB 1	**Report#/Lab ID#:** 120782 **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	96.7	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 ETGT
Address 2540 W. Marland
City Hobbs State NM Zip 88240
ATTN: KEN Dutton
Phone (505) 397-4882 Fax (505) 397-4701

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

#352

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: Darr Angell #2 Sampler: MC/DS/WA
EOT 2020R

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	10-11-01	1425	2		X		120774	X	
mw 3		1400					120775		
mw 4		1415					120776		
mw 5		1445					120777		
mw 6		1130					120778		
mw 7		1316					120779		
mw 8		1330					120780		
mw 9		1112					120781		
EB 1	↓	1500	↓		↓		120782	↓	

Analyses Requested (1)
Please attach explanatory information as required

(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
Marcelo Campos		10-15-01	9:30	Melanie	Humphrey ASI	10/16/01	10:11

[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 SURVEY

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 15S Range: 37E Sections: 1,2,3

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

WELL / SURFACE DATA REPORT 09/19/2002

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) X Y are in Feet UTM are in Meters)

DB File Nbr	Use	Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Sta Dat
L 01095	PRO	3	PARKER DRILLING CO.	L 01095 APPRO	Shallow	15S	37E	02	1	4					13	670633	3657916	03/
L 01118	PRO	3	ROLAND DRILLING CO.	L 01118	Shallow	15S	37E	02	1	3					13	670229	3657912	05/
				L 01118 APPRO		15S	37E	02	1	3					13	670229	3657912	05/
L 01119	PRO	3	ROLAND DRILLING CO.	L 01119	Shallow	15S	37E	02	2	3					13	671036	3657920	07/
L 01136	PRO	3	DIXILYN DRILLING CO.	L 01136	Shallow	15S	37E	02	4	1					13	671043	3657518	05/
				L 01136 APPRO	Shallow	15S	37E	02	4	1					13	671043	3657518	05/
L 01175	PRO	3	ATLANTIC REFINING CO.	L 01175 APPRO	Shallow	15S	37E	01	3	1					13	671850	3657527	07/
L 01197	PRO	3	SHELL OIL COMPANY	L 01197 APPRO	Shallow	15S	37E	02	3	1	3				13	670135	3657409	08/
L 01204	PRO	3	MCALESTER FUEL CO.	L 01204 APPRO	Shallow	15S	37E	02	2	4	3				13	671339	3657823	08/
L 01224	PRO	3	SKELLEY OIL CO.	L 01224 APPRO	Shallow	15S	37E	02	1	1					13	670222	3658314	09/
L 01284	PRO	3	ROWAN DRILLING CO.	L 01284 APPRO	Shallow	15S	37E	02	2	1					13	671029	3658322	10/
L 01285	PRO	3	ROWAN DRILLING CO.	L 01285 APPRO	Shallow	15S	37E	02	2	2					13	671433	3658326	10/
L 01293	PRO	3	THOMPSON AND CARR DRILLING CO	L 01293 APPRO	Shallow	15S	37E	03	2	2					13	669817	3658309	10/
L 01297	PRO	3	ROWMAN DRILLING CO.	L 01297 APPRO	Shallow	15S	37E	01	1	3					13	671843	3657929	11/
L 01422	PRO	3	CORBETT DRILLING CO.	L 01422 APPRO	Shallow	15S	37E	02	3	3					13	670242	3657107	04/
L 01447	PRO	3	SHELL OIL CO.	L 01447 APPRO	Shallow	15S	37E	01	1	1					13	671836	3658330	05/
L 01491	DOM	3	SHELL OIL CO.	L 01491 APPRO	Shallow	15S	37E	01	1	3					13	671843	3657929	07/
L 01575	PRO	3	GULF OIL CORPORATION	L 01575		15S	37E	03	4	2	2				13	669930	3657603	
L 01578	PRO	3	GULF OIL CO.	L 01578 APPRO	Shallow	15S	37E	03	4	2	2				13	669930	3657603	09/
L 01587	PRO	3	SHELL OIL CO. (RG. CONTR-ROWA	L 01587	Shallow	15S	37E	01	1	2					13	672239	3658336	09/
				L 01587 APPRO	Shallow	15S	37E	01	1	2					13	672239	3658336	09/
L 01637	PRO	3	PARKER DRILLING CO.	L 01637 APPRO	Shallow	15S	37E	01	3	1	1				13	671749	3657626	10/
L 01673	PRO	3	CORBETT DRILLING CO.	L 01673 APPRO	Shallow	15S	37E	02	3	4					13	670646	3657111	11/
L 01997	PRO	3	GULF OIL CORPORATION	L 01997	Shallow	15S	37E	03	4	1					13	669427	3657498	02/
				L 01997 APPRO	Shallow	15S	37E	03	4	1	2				13	669526	3657597	02/
L 02391	STK	3	J. M. DENTON	L 02391	Shallow	15S	37E	02	3	3	3				13	670141	3657006	10/

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 10685
Primary Purpose: SAN 72-12-1 SANITARY IN CONJUNCTION WITH A COMMERCIAL USE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: DEVON ENERGY CORP.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc		From/To	Acres	Diversion	Consumptive
72121	06/25/1997	PMT APR CNV	CONVERSION	L	106 T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q q q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 10685		15S	37E	02	3 2				13	670639	3657514	33 2 33.83	103 10 29.16	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 08594
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 0
Owner: MOSBACHER PRODUCING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc		From/To	Acres	Diversion	Consumptive
72121	11/05/1981	PMT APR CNV	CONVERSION	L	085 T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q q q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 08594	Shallow	15S	37E	03	3 1 1				13	668517	3657586	33 2 34.08	103 11 47.07	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 07198
Primary Purpose: SAN 72-12-1 SANITARY IN CONJUNCTION WITH A COMMERCIAL USE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: TIPPERARY RESOURCES CORP.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc		From/To	Acres	Diversion	Consumptive
72121	04/04/1974	PMT APR CNV	CONVERSION	L	071 T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion	(qtr are biggest to smallest						X Y are in Feet			UTM are in Meters)					
POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 07198	Shallow	15S	37E	02	3	2	4				13	670738	3657413	33 2 33.83	103 10 29.16	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 03929
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 0
Owner: DURHAM DRILLING COMPANY

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	07/16/1958	PMT LOG ABS	L 03929	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 03929	Shallow	15S	37E	01	1	4	1				13	672145	3658033	33 2 46.56	103 9 26.97	1840' FNL, 1650' FWL
L 03929 APPRO	Shallow	15S	37E	01	1	4	1				13	672145	3658033	33 2 46.56	103 9 26.97	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 02391
Primary Purpose: STK 72-12-1 LIVESTOCK WATERING
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: J. M. DENTON

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	10/29/1953	PMT LOG ABS	L 02391	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
(qtr are biggest to smallest X Y are in Feet UTM are in Meters)

Point of Diversion POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 02391	Shallow	15S	37E	02	3	3	3				13	670141	3657006	33 2 20.85	103 10 44.73	
L 02391 APPRO	Shallow	15S	37E	11	3	3	3				13	670172	3655397	33 1 28.6	103 10 44.61	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01997
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: GULF OIL CORPORATION

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
COWNF	03/10/1954	CHG PRC ABS	L 01997	T		3	
72121	02/26/1953	PMT LOG ABS	L 01997	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01997	Shallow	15S	37E	03	4	1					13	669427	3657498	33 2 34	103 11 15.9	
L 01997 APPRO	Shallow	15S	37E	03	4	1	2				13	669526	3657597	33 2 34	103 11 15.9	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01673
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: CORBETT DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	12/01/1952	PMT LOG ABS	L 01673	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01673 APPRO	Shallow	15S	37E	02	3	4					13	670646	3657111	33 2 20.76	103 10 29.17	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01637
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: PARKER DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	10/30/1952	PMT LOG ABS	L 01637	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion POD Number	(qtr are biggest to smallest) Source	Tws	Rng	Sec	q	q	q	X Y are in Feet Zone	X	Y	UTM are in Meters) UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01637 APPRO	Shallow	15S	37E	01	3	1	1				13	671749	3657626	33 2 33.56	103 9 42.49	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01587
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: SHELL OIL CO. (RG. CONTR-ROWA

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	10/08/1952	PMT LOG ABS	L 01587	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q q q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01587	Shallow	15S	37E	01	1 2				13	672239	3658336	33 2 59.6	103 9 26.98	
L 01587 APPRO	Shallow	15S	37E	01	1 2				13	672239	3658336	33 2 59.6	103 9 26.98	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01578
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: GULF OIL CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	09/26/1952	PMT LOG ABS	L 01578	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q q q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01578 APPRO	Shallow	15S	37E	03	4 2 2				13	669930	3657603	33 2 33.96	103 11 .31	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01575
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: GULF OIL CORPORATION Contact: G.F. TAYLOR

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	09/24/1952	PMT APR ABS	L 01575	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01575		15S	37E	03	4	2	2				13	669930	3657603	33 2 33.96	103 11 .31	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01491
Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: SHELL OIL CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	07/24/1952	PMT LOG ABS	L 01491	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q q q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01491 APPRO	Shallow	15S	37E	01	1 3				13	671843	3657929	33 2 46.61	103 9 42.49	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01447
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: SHELL OIL CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	05/22/1952	PMT LOG ABS	L 01447	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion	(qtr are biggest to smallest					X Y are in Feet			UTM are in Meters)						
POD Number	Source	Tws	Rng	Sec	q q q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude		Longitude		Other Location Description
L 01447 APPRO	Shallow	15S	37E	01	1 1				13	671836	3658330	33 2 59.64		103 9 42.49		

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01284
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: ROWAN DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	10/24/1951	PMT LOG ABS	L 01284	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion POD Number	Source	Tws	Rng	Sec	q q q	Zone	X	Y	(qtr are biggest to smallest X Y are in Feet UTM are in Meters) UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01284 APPRO	Shallow	15S	37E	02	2 1				13	671029	3658322	33 2 59.85	103 10 13.6	CENTER

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01224
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: SKELLEY OIL CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans Desc	From/To	Acres	Diversion	Consumptive
72121	09/27/1951	PMT LOG ABS	L 01224	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion POD Number	(qtr are biggest to smallest) Source	Tws	Rng	Sec	q	q	q	X Y are in Feet Zone	X	Y	UTM are in Meters) UTM Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01224 APPRO	Shallow	15S	37E	02	1	1					13	670222	3658314	33 3 0.05	103 10 44.7	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01204
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: MCALESTER FUEL CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	08/30/1951	PMT LOG ABS	L 01204	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion POD Number	Source	Tws	Rng	Sec	q q q	(qtr are biggest to smallest X Y are in Feet) Zone	X	Y	(UTM are in Meters) UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01204 APPRO	Shallow	15S	37E	02	2 4 3				13	671339	3657823	33 2 46.7	103 9 58.05	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01175
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: ATLANTIC REFINING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	08/02/1951	PMT LOG ABS	L 01175	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01175 APPRO	Shallow	15S	37E	01	3	1					13	671850	3657527	33 2 33.56	103 9 42.49	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01119
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: ROLAND DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans Desc	From/To	Acres	Diversion	Consumptive
72121	05/15/1951	PMT LOG ABS	L 01119	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01119	Shallow	15S	37E	02	2	3					13	671036	3657920	33 2 46.8	103 10 13.6	
L 01119 APPRO		15S	37E	08	2	3					13	666223	3656244	33 1 55.06	103 13 20.19	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01118
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: ROLAND DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	05/15/1951	PMT LOG ABS	L 01118	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q q q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01118	Shallow	15S	37E	02	1 3				13	670229	3657912	33 2 46.98	103 10 44.7	
L 01118 APPRO		15S	37E	02	1 3				13	670229	3657912	33 2 46.98	103 10 44.7	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01095
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: PARKER DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	04/04/1951	PMT LOG ABS	L 01095	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01095 APPRO	Shallow	15S	37E	02	1	4					13	670633	3657916	33 2 46.89	103 10 29.15	

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 15S Range: 37E Sections: 10,11,12

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

WELL / SURFACE DATA REPORT 09/19/2002

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) X Y are in Feet UTM are in Meters)

DB	File Nbr	Use	Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Sta Dat
L	01117	PRO	3	PHILLIPS PETROLEUM COMPANY	L 01117	Shallow	15S	37E	11	2	4	3				13	671368	3656215	05/
					L 01117 APPRO	Shallow	15S	37E	11	2	4	3				13	671368	3656215	05/
L	01182	DOM	3	PHILLIPS PETROLEUM COMPANY	L 01182 APPRO	Shallow	15S	37E	11	1	1	1				13	670149	3656804	07/
L	01283	PRO	3	PHILLIPS PETROLEUM COMPANY	L 01283 APPRO	Shallow	15S	37E	11	2	3					13	671066	3656312	10/
L	01320	PRO	3	BIG CHIEF DRILLING CO.	L 01320 APPRO		15S	37E	11	4	3					13	671081	3655507	
L	01321	PRO	3	LLANO DRILLING CO.	L 01321 APPRO	Shallow	15S	37E	11	2	4					13	671469	3656316	12/
L	01322	PRO	3	CORBETT DRILLING CO.	L 01322 APPRO	Shallow	15S	37E	11	1	1	2				13	670349	3656804	01/
L	01323	PRO	3	LLANO DRILLING CO.	L 01323 APPRO	Shallow	15S	37E	11	2	4					13	671469	3656316	11/
L	01324	PRO	3	PHILLIPS PETROLEUM CO.	L 01324 APPRO	Shallow	15S	37E	11	2	1					13	671058	3656714	12/
L	01332	PRO	3	BRINKENHOFF DRILLING CO. C/O R	L 01332		15S	37E	11	2	2					13	671462	3656718	
L	01430	PRO	3	PHILLIPS PETROLEUM CO.	L 01430 APPRO	Shallow	15S	37E	11	1	2					13	670654	3656709	04/
L	01568	PRO	3	OLLIBEL C. CARD ESTATE	L 01568 APPRO	Shallow	15S	37E	12	3	1					13	671881	3655919	09/
					L 01568 CPPU	Shallow	15S	37E	12	3	1					13	671881	3655919	09/
L	01739	PRO	3	SHELL OIL CO.	L 01739	Shallow	15S	37E	10	2	2	2				13	669945	3656798	01/
					L 01739 APPRO	Shallow	15S	37E	10	2	2	2				13	669945	3656798	01/
L	02268	PRO	3	SHELL OIL CO.	L 02268	Shallow	15S	37E	10	4	2					13	669862	3655894	06/
					L 02268 APPRO	Shallow	15S	37E	10	4	2					13	669862	3655894	06/
L	02317	PRO	3	TRINITY DRILLING CO.	L 02317	Shallow	15S	37E	11	1	1					13	670250	3656705	08/
					L 02317 APPRO	Shallow	15S	37E	11	1	1					13	670250	3656705	08/
L	02391	STK	3	J. M. DENTON	L 02391 APPRO	Shallow	15S	37E	11	3	3	3				13	670172	3655397	10/
L	04956	STK	3	DICKENSON HEIRS	L 04956	Shallow	15S	37E	12	1	1					13	671865	3656723	08/
					L 04956 REPAR	Shallow	15S	37E	12	1	1	1				13	671764	3656822	09/
L	06625 (E)	PRO	0	BRAHANEY DRILLING COMPANY	L 06625 (E)	Shallow	15S	37E	12	2	2	3				13	672974	3656639	02/
L	07610	PRO	0	BRAHANEY DRILLING CO.	L 07610	Shallow	15S	37E	11	2	3					13	671066	3656312	02/
L	07665	PRO	0	INC. M.G.F. DRILLING CO.	L 07665	Shallow	15S	37E	11	4	4	4				13	671584	3655411	03/
L	09926	PRO	0	NORTH AMERICAN ROYALTIES	L 09926		15S	37E	12	4	1					13	672688	3655931	07/

Record Count: 26

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 07610
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 0
Owner: BRAHANEY DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans Desc		From/To	Acres	Diversion	Consumptive
72121	10/01/1976	PMT APR CNV	CONVERSION	L	076 T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 07610	Shallow	15S	37E	11	2	3					13	671066	3656312	33 1 54.57	103 10 13.55	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 09926
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 0
Owner: NORTH AMERICAN ROYALTIES

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	06/26/1987	PMT APR CNV	CONVERSION L	099 T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 09926		15S	37E	12	4	1					13	672688	3655931	33 1 41.29	103 9 11.3	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 04956
Primary Purpose: STK 72-12-1 LIVESTOCK WATERING
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: DICKENSON HEIRS

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	06/24/1976	PMT APR CNV	CONVERSION L	049 T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
(qtr are biggest to smallest X Y are in Feet UTM are in Meters)

Point of Diversion POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 04956	Shallow	15S	37E	12	1	1					13	671865	3656723	33 2 7.46	103 9 42.45	
L 04956 REPAR	Shallow	15S	37E	12	1	1	1				13	671764	3656822	33 2 7.46	103 9 42.45	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 02391
Primary Purpose: STK 72-12-1 LIVESTOCK WATERING
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: J. M. DENTON

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	10/29/1953	PMT LOG ABS	L 02391	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
(qtr are biggest to smallest X Y are in Feet UTM are in Meters)

Point of Diversion POD Number	Source	Tws	Rng	Sec	q q q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 02391	Shallow	15S	37E	02	3 3 3				13	670141	3657006	33 2 20.85	103 10 44.73	
L 02391 APPRO	Shallow	15S	37E	11	3 3 3				13	670172	3655397	33 1 28.6	103 10 44.61	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 02317
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: TRINITY DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	08/25/1953	PMT LOG ABS	L 02317	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 02317	Shallow	15S	37E	11	1	1					13	670250	3656705	33 2 7.79	103 10 44.7	
L 02317 APPRO	Shallow	15S	37E	11	1	1					13	670250	3656705	33 2 7.79	103 10 44.7	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 02268
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: SHELL OIL CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans Desc	From/To	Acres	Diversion	Consumptive
72121	07/07/1953	PMT LOG ABS	L 02268	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 02268	Shallow	15S	37E	10	4	2					13	669862	3655894	33 1 41.7	103 11 .21	
L 02268 APPRO	Shallow	15S	37E	10	4	2					13	669862	3655894	33 1 41.7	103 11 .21	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01739
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: SHELL OIL CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	01/15/1953	PMT LOG ABS	L 01739	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01739	Shallow	15S	37E	10	2	2	2				13	669945	3656798	33 2 7.83	103 11 .27	
L 01739 APPRO	Shallow	15S	37E	10	2	2	2				13	669945	3656798	33 2 7.83	103 11 .27	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01568
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: OLLIBEL C. CARD ESTATE

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
COWNF	03/22/1954	CHG PRC ABS	L 01568	T		3	
72121	09/19/1952	PMT LOG ABS	L 01568	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01568 APPRO	Shallow	15S	37E	12	3	1					13	671881	3655919	33 1 41.36	103 9 42.39	
L 01568 CPPU	Shallow	15S	37E	12	3	1					13	671881	3655919	33 1 41.36	103 9 42.39	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01430
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: PHILLIPS PETROLEUM CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	04/22/1952	PMT LOG ABS	L 01430	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion	(qtr are biggest to smallest						X Y are in Feet			UTM are in Meters)								
POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing		Latitude		Longitude	Other Location Description
L 01430 APPRO	Shallow	15S	37E	11	1	2					13	670654	3656709	33	2	7.7	103 10 29.14	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01332
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: BRINKENHOFF DRILLING CO. C/O R

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	01/08/1952	PMT APR ABS	L 01332	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01332		15S	37E	11	2	2					13	671462	3656718	33 2 7.54	103 9 58.01	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01324
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: PHILLIPS PETROLEUM CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	01/07/1952	PMT LOG ABS	L 01324	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01324 APPRO	Shallow	15S	37E	11	2	1					13	671058	3656714	33 2 7.62	103 10 13.58	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01323
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: LLANO DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	01/07/1952	PMT LOG ABS	L 01323	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01323 APPRO	Shallow	15S	37E	11	2	4					13	671469	3656316	33 1 54.49	103 9 57.98	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01322
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: CORBETT DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	01/07/1952	PMT LOG ABS	L 01322	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01322 APPRO	Shallow	15S	37E	11	1	1	2				13	670349	3656804	33 2 7.79	103 10 44.7	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01321
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: LLANO DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	01/07/1952	PMT LOG ABS	L 01321	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion POD Number	(qtr are biggest to smallest) Source	Tws	Rng	Sec	q	q	q	X Y are in Feet Zone	X	Y	UTM are in Meters) UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01321 APPRO	Shallow	15S	37E	11	2	4					13	671469	3656316	33 1 54.49	103 9 57.98	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01320
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: BIG CHIEF DRILLING CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	01/07/1952	PMT APR ABS	L 01320	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion (qtr are biggest to smallest; X Y are in Feet; UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01320 APPRO		15S	37E	11	4	3					13	671081	3655507	33 1 28.45	103 10 13.49	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01283
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: PHILLIPS PETROLEUM COMPANY

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	10/24/1951	PMT LOG ABS	L 01283	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01283 APPRO	Shallow	15S	37E	11	2	3					13	671066	3656312	33 1 54.57	103 10 13.55	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01182
Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: PHILLIPS PETROLEUM COMPANY

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	08/07/1951	PMT LOG ABS	L 01182	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01182 APPRO	Shallow	15S	37E	11	1	1	1				13	670149	3656804	33 2 7.79	103 10 44.7	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 01117
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: PHILLIPS PETROLEUM COMPANY

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	05/10/1951	PMT LOG ABS	L 01117	T		3	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01117	Shallow	15S	37E	11	2	4	3				13	671368	3656215	33 1 54.49	103 9 57.98	
L 01117 APPRO	Shallow	15S	37E	11	2	4	3				13	671368	3656215	33 1 54.49	103 9 57.98	

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 15S Range: 37E Sections: 13,14,15

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

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WELL / SURFACE DATA REPORT 09/19/2002

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) X Y are in Feet UTM are in Meters)

DB File Nbr	Use	Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Sta Dat
L 00956	PRO	3	MCALISTER FUEL AND OIL CO.	L 00956	Shallow	15S	37E	15	2	2					13	669877	3655089	10/
L 01045	PRO	3	GUY FOR MCALESTER FUEL C BOYD	L 01045	Shallow	15S	37E	14	2	3	1				13	670996	3654802	10/
				L 01045 APPRO	Shallow	15S	37E	14	2	3	1				13	670996	3654802	10/
L 01080	PRO	3	MCALESTER FUEL CO.	L 01080 APPRO	Shallow	15S	37E	14	2	2	1				13	671392	3655209	03/
L 01110	PRO	3	GULF OIL CORPORATION	L 01110 APPRO	Shallow	15S	37E	14	2	1	1				13	670988	3655204	10/
				L 01110 CLW	Shallow	15S	37E	14	2	1	1				13	670988	3655204	
L 01199	PRO	3	GULF OIL CORP.	L 01199 APPRO	Shallow	15S	37E	14	1	4	2				13	670792	3654797	07/
L 01207	PRO	0	PARKER DRILLING CO.	L 01207 APPRO	Shallow	15S	37E	15	2	2					13	669877	3655089	07/
L 01237	PRO	3	PARKER DRILLING CO.	L 01237 APPRO	Shallow	15S	37E	15	2	2					13	669877	3655089	10/
L 02382	DOM	3	GULF REFINING COMPANY	L 02382	Shallow	15S	37E	14	2	4					13	671501	3654708	11/
				L 02382 APPRO	Shallow	15S	37E	14	2	4					13	671501	3654708	11/
L 07953	STK	3	JOE MCFALLS	L 07953	Shallow	15S	37E	15	1	4	3				13	668976	3654574	09/

Record Count: 12

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 07953
Primary Purpose: STK 72-12-1 LIVESTOCK WATERING
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: JOE MCFALLS

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	07/26/1978	PMT APR CNV	CONVERSION	L 079 T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion	(qtr are biggest to smallest						X Y are in Feet			UTM are in Meters)								
POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude			Longitude			Other Location Description
L 07953	Shallow	15S	37E	15	1	4	3				13	668976	3654574	33	1	2.58	103	11	31.26	

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 15S Range: 37E Sections: 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

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WELL / SURFACE DATA REPORT 09/20/2002

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) X Y are in Feet UTM are in Meters)

DB File Nbr	Use	Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Start Date
L 02468	STK	3	DICKENSON ESTATE	L 02468	Shallow	15S	37E	22	4	2					13	669923	3652675	01/1
				L 02468 APPRO	Shallow	15S	37E	22	4	2					13	669923	3652675	01/1
L 05825	IRR	720	STEVE AND THERESA WIER	L 05825		15S	37E	22	4	1	3				13	669418	3652568	
				L 05825 S-2		15S	37E	22	4	4	1				13	669830	3652371	
L 06782	DOM	3	R. L. JACKSON	L 06782	Shallow	15S	37E	22	3						13	668920	3652456	03/1
L 06999	DOM		H.V. TAYLOR	L 06999 EXP		15S	37E	22	1	1					13	668696	3653462	
L 07613	STK	3	JOE BARNES	L 07613	Shallow	15S	37E	23	J									10/1
L 10026	PRO	0	SOHIO PETROLEUM	L 10026	Shallow	15S	37E	22	2	4	3				13	669814	3652976	09/2

Record Count: 8

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 10026
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres:
Total Diversion: 0
Owner: SOHIO PETROLEUM

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	09/19/1988	PMT APR CNV	CONVERSION	L 100 T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 10026	Shallow	15S	37E	22	2	4	3				13	669814	3652976	33 0 10.23	103 11 0.02	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 07613
Primary Purpose: STK 72-12-1 LIVESTOCK WATERING
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: JOE BARNES

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	10/07/1976	PMT APR CNV	CONVERSION L	076 T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion	(qtr are biggest to smallest	X Y are in Feet			UTM are in Meters)					
POD Number	Source	Tws	Rng	Sec q q q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 07613	Shallow	15S	37E	23 J									

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 06999
Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD
Primary Status: EXP Expired
Total Acres:
Total Diversion:
Owner: H.V. TAYLOR

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	10/05/1972	EXP EXP CNV	CONVERSION	L 069 T			

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion POD Number	(qtr are biggest to smallest Source	Tws	Rng	Sec	q	q	q	X Y are in Feet Zone	X	Y	UTM are in Meters) UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 06999 EXP		15S	37E	22	1	1					13	668696	3653462	33 0 23.42	103 11 46.74	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 06782
Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: R. L. JACKSON

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	03/25/1971	PMT APR CNV	CONVERSION	L 067 T		3	

Point of Diversion

POD Number	Source	Tws	Rng	Sec	q q q	(qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest	X Y are in Feet Zone	X	Y	UTM are in Meters) UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 06782	Shallow	15S	37E	22	3					13	668920	3652456	32 59 44.22	103 11 46.65	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 05825
Primary Purpose: IRR IRRIGATION
Primary Status: PMT Permit
Total Acres: 240
Total Diversion: 720
Owner: STEVE AND THERESA WIER
Owner: LEA COUNTY STATE BANK Contact: ROBERT FLOYD

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
COWNF	08/26/1999	CHG PRC PRC	L 05825	T	0	0	
COWNF	06/04/1999	CHG PRC ABS	L 05825	T	0	0	
COWNF	02/03/1999	CHG PRC ABS	L 05825	T	0	0	
COWNF	10/15/1993	CHG PRC ABS	L 05825	T	0	0	
COWNF	06/12/1978	CHG PRC ABS	L 05825	T	0	0	
ADM	02/02/1973	PMT APR ABS	L 05825	T	240	720	

Point of Diversion (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 05825		15S	37E	22	4	1	3				13	669418	3652568	32 59 57.2	103 11 15.55	
L 05825 S		15S	37E	26	1	4	1				13	670653	3651577	32 59 17.84	103 10 28.78	
L 05825 S-2		15S	37E	22	4	4	1				13	669830	3652371	32 59 44.09	103 10 59.96	

Place of Use (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest

Tws	Rng	Sec	q	q	q	Acres	Diversion	Consumptive	Use	Priority	Status	Other Location Description
15S	37E	22	4			96.4	289.2		IRR	12/16/1965	PMT	
15S	37E	23	3			11.7	35.1		IRR	12/16/1965	PMT	
15S	37E	26	1			131.9	395.7		IRR	12/16/1965	PMT	

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 02468
Primary Purpose: STK 72-12-1 LIVESTOCK WATERING
Primary Status: PMT Permit
Total Acres:
Total Diversion: 3
Owner: DICKENSON ESTATE

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	02/05/1954	PMT LOG ABS	L 02468	T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 02468	Shallow	15S	37E	22	4	2					13	669923	3652675	32 59 57.16	103 10 59.99	
L 02468 APPRO	Shallow	15S	37E	22	4	2					13	669923	3652675	32 59 57.16	103 10 59.99	

APPENDIX D

REQUEST TO BACKFILL LETTER

March 11, 2002

Mr. Bill Olson
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Request to Backfill Excavation
Darr Angell No. 2 Site
Lea County, New Mexico
ETGI Project No. EOT 2020R

Mr. Olson:

Environmental Technology Group, Inc. (ETGI) has conducted activities as outlined in the Site Investigation Report (S.I.R., Revised June 2001) at the above referenced site. ETGI, acting for the EOTT Energy Corporation (EOTT), requests approval from the New Mexico Oil Conservation Division (NMOCD) for backfilling of the excavated area located on the above referenced site (Figure 1).

The site is located in the SE ¼ of the SE ¼ of Section 11 and NE ¼ of the NE ¼, Section 14 Township 14 South, Range 37 East, in Lea County, New Mexico. A detailed description of the site and activities conducted to date are found in the referenced S.I.R.

ETGI supervised the excavation of hydrocarbon impacted soil from the release area outward until headspace readings from wall samples registered less than or equal to 10 parts per million on a Photoionization detector (Figure 2). Approximately 3,128 cubic yards of soil was generated during excavation activities and stockpiled on-site. This soil will be moved to a treatment pad on-site and subjected to mixing and blending activities. The lower limit of the excavation coincides with very hard caliche layer. Attempts to continue excavation with a track hoe through this lower boundary layer were unsuccessful. At this time, ETGI on behalf of EOTT is requesting approval from the NMOCD to proceed with backfilling activities utilizing clean soil obtained from the landowner. The District 1 NMOCD office in Hobbs, New Mexico will be notified at least 48 hours prior to initiation of backfilling activities. An automated oil-skimming remediation system has been installed on-site to minimize further adverse impacts to site groundwater. Quarterly groundwater sampling events are being conducted to monitor the dissolved phase plume. A Site Location Map and Site Plan map are attached showing locations of the field screening sampling for your review.

A copy of this letter has also been provided to the NMOCD District office in Hobbs, NM. If you have any questions or comments concerning this excavation backfill request, please contact me at (505) 397-4882. Thank you for your time and consideration.

Sincerely,

Ken Dutton
New Mexico Office Manager
Senior Project Manager

ATTACHMENTS:

Figure 1: Site Location Map
Figure 2: Site Plan/Field Screening Location Map

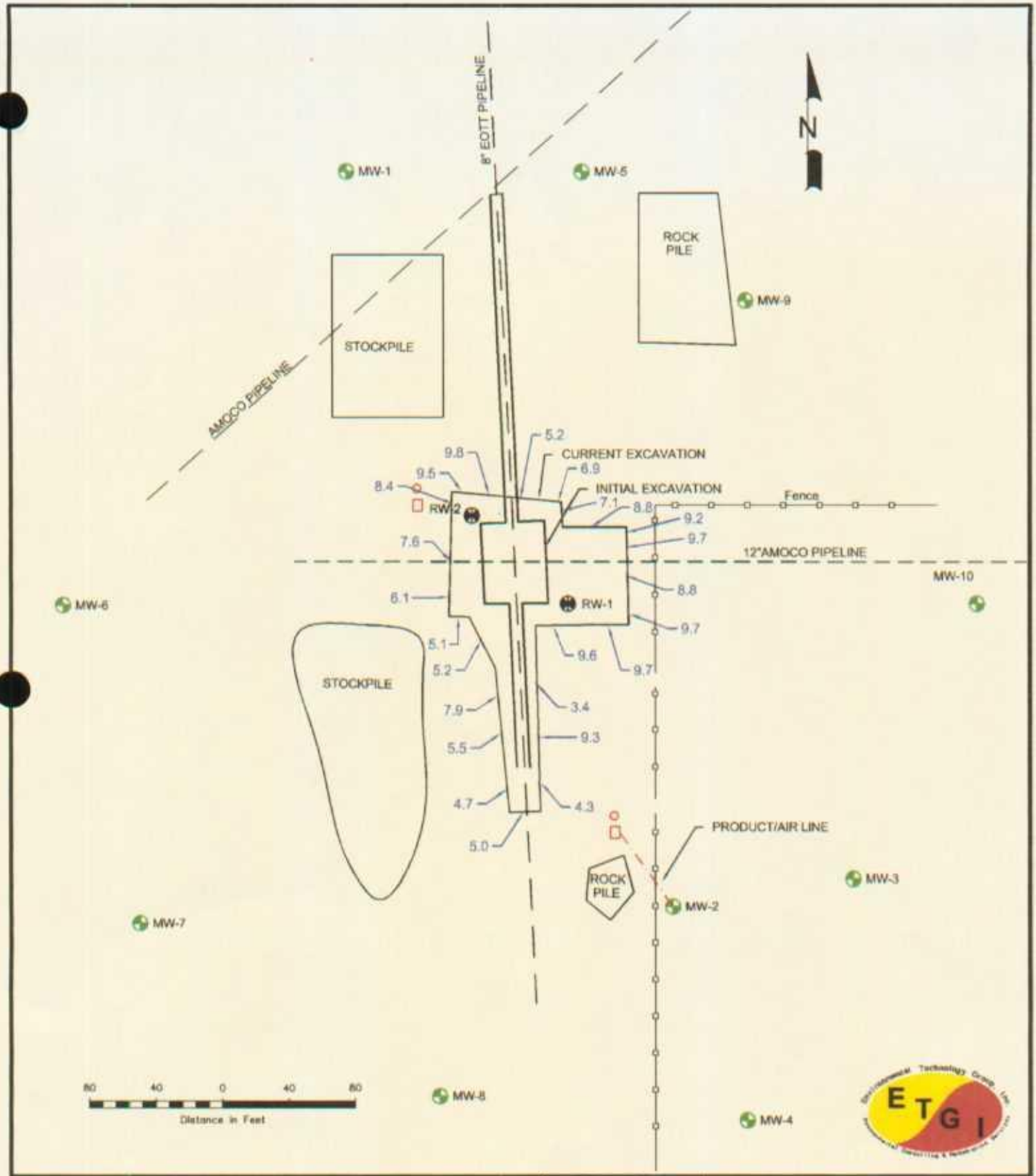

Figure 2
Site Plan
Field Screening
Location Map

EOTT Energy Corp.
Darr Angell # 2
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1"=80'	Prep By: JDJ	Checked By: RE
January 23, 2002	ETGI Project # EOT 2020R	