

**GW -** 140

# **WORK PLANS**

2002

**ADDITIONAL SUBSURFACE INVESTIGATION REPORT  
AND  
MODIFIED STAGE II ABATEMENT PLAN**

140  
1R-~~387~~

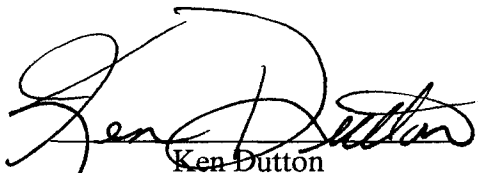
**SPS-11 SITE**  
**Lea County, New Mexico**  
**NW ¼ of the SE ¼ of Section 18, Township 18 South, Range 36 East**  
**Latitude North 32° 44' 50.3"**  
**Longitude West 103° 23' 36.5"**


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

**ETGI Project # EO 2022**

Prepared By:  
**Environmental Technology Group, Inc.**  
2540 W. Marland  
Hobbs, New Mexico 88240

**October 2002**

  
Ken Dutton  
New Mexico Office Manager  
Senior Project Manager

  
Britt Byerly, P.G.  
V.P. Operations  
Environmental Technology Group, Inc.

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## 1.0 INTRODUCTION AND SITE BACKGROUND

The site is located approximately 15 miles west of the town of Hobbs, New Mexico in the NW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of Section 18, Township 18 South, Range 36 East. For reference, a site location and site map, are provided as Figures 1 and 2, respectively. The contents of this report are intended to fulfill requirements in accordance with 19 NMAC 15.A19.E (3) and 19.E (4) of the New Mexico Administrative Code (NMAC).

Initial site investigation actions were performed for the EOTT Energy Corporation (EOTT) by other environmental consultants. A total of 25 soil borings/groundwater monitor wells were installed (MW-1 through MW-25) prior to October 1999. Environmental Technology Group, Inc. (ETGI), representing EOTT, assumed control of remedial action planning and oversight responsibility with groundwater gauging and sampling duties in August of 1999. Review of the analytical results following quarterly groundwater monitoring events commencing on this date indicate that the dissolved phase contaminant plume present in the groundwater is not adequately delineated as required by the New Mexico Oil Conservation Division (NMOCD). ETGI is submitting this Modified Stage II Abatement Plan to document remedial actions completed at the site since August 1999 and to propose additional response actions designed to fulfill requirements necessary to complete plume delineation and achieve site closure as set in a verbal agreement between Mr. Bill Olsen and Mr. Randy Bayliss of the NMOCD and representatives for EOTT. In addition, this report complies with regulations as established by the State of New Mexico under NMAC Title 19 standards. The regulatory basis for this Modified Stage II Abatement Plan is 19 NMAC 15.A19 (3) 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 sand with silty to clay rich layers of limited aerial extent and caliche located irregularly through out the section;
- Hydrocarbon impacted soil is located at or just above the capillary fringe zone in the vadose zone;
- Groundwater at the site occurs at a depth of approximately 56 to 60 feet below grade surface (bgs) as measured from the top of existing well casings;
- The groundwater gradient at the site is approximately 0.003 ft/ft to the southeast;
- The concentration of benzene present in the downgradient well was above the NMOCD regulatory standard indicating that the impacted site groundwater has not been adequately delineated;
- There is no evidence of phase separated hydrocarbons (PSH) present in the soil or groundwater at the site.

## **2.0 SUMMARY OF RECENT FIELD ACTIVITIES**

A total of six monitor wells were installed between May 2000 and December 2001 to further delineate the downgradient extent of impacted groundwater at the site. Benzene concentrations detected in samples collected from downgradient monitor wells MW-26 and MW-28 exceeded NMOCD regulatory standards which necessitated the installation of monitor wells MW-29 through MW-31 located in relative downgradient positions, (Figure 3). Review of the laboratory results generated from the initial sampling event conducted on these wells indicated that the dissolved phase benzene plume had reached this area and that plume delineation activities remain incomplete, (Figure 4). Discussion of plans to install additional soil borings and groundwater monitor wells to complete site soil characterization and groundwater delineation is included in Section 5.0 of this Report. Results of the soil and groundwater sampling associated with completion of the plume delineation activity will be submitted under separate cover for review to the appropriate NMOCD offices upon completion. Boring logs reflecting site lithology data and well completion details are included as Appendix A. Cumulative groundwater elevation, soil sampling data and groundwater sampling data, as recorded since August 1999, are provided in Tables 1, 2 and 3, respectively. A groundwater gradient map reflecting data gathered during the most recent monitoring event is attached as Figure 3. Copies of the laboratory reports generated from well installation and sampling activities described herein are included as Appendix B. All soil samples were submitted under chain-of-custody documentation to Environmental Lab of Texas of Odessa, Texas and analyzed for total petroleum hydrocarbons (TPH) utilizing EPA SW 846-8015M GRO/DRO. Selected soil samples were analyzed for Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) utilizing EPA SW 846-8020, and 5030. Groundwater samples were submitted under chain-of-custody documentation and analyzed for required analytes by the methods listed below:

- BTEX constituents using EPA Method SW 846-8021B or BTEX constituents by EPA Method SW846-8260;
- Total Dissolved Solids (TDS) using EPA Method SW 846-160.1;
- Water Quality Metals using EPA Method SW 846-6010, 200.7;
- Chlorides using EPA Method SW 846-9253, and;
- Cations and Anions using EPA Methods 375.4, 325.3 and 310.

## **3.0 GEOLOGY/HYDROGEOLOGY**

### **3.1 Site Geology/Hydrogeology**

A comprehensive site description and analysis of site geologic and hydrologic conditions is not available at this time due to the lack of soil boring / monitor well installation details associated with site characterization work performed by other environmental consultants prior to August 1999. Refer to Section 5.0, Summary and Conclusions, of this report for the proposed drilling program designed to complete site subsurface soil characterization action. Analysis of soil boring logs and core sample laboratory testing results generated from the proposed additional drilling will provide a representative presentation of subsurface properties. At this time, a description of the site geologic / hydrologic conditions will be

limited to specific data gathered during dissolved phase plume delineation actions conducted in the southeastern area of the site and a review of available published data covering this area.

The surface unit consists of a tan to brown, very fine-grained, well sorted sand with calcareous nodules from 5 to 20 feet thick. It is underlain by a discontinuous layer of light gray indurated caliche varying in thickness from 15 to 20 feet thick. A reddish brown, very fine grained discontinuous sand from 20 to 30 feet thick underlies this unit. Groundwater was encountered in this unit at depths varying from 59 feet bgs to 62 feet bgs. In the site vicinity, the surface is composed of unconsolidated wind blown sands and finer materials associated with the Tertiary Ogallala Formation, which serves as a major aquifer for southeastern New Mexico and several High Plains states. Unconfined groundwater is typically present in these sands at varying depths and generally flows from the north to the south. This aquifer is typically characterized by relatively high hydraulic conductivity and transmissivity.

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

The site is located in the Southern High Plains physiographic feature as classified in the Lea County Soil Survey by the U.S. Department of Agriculture Soil Conservation Service, January 1974. The average surface elevation in the area ranges between 3,600 to 4,200 feet above sea level with the average surface topography sloping to the south and southeast at approximately 10 feet per mile. The groundwater gradient in the region appears to reflect the topography with a similar slope to the south and southeast with some local variations. The site is located on Kimbrough-Lea complex type soils, which consist of nearly level and gently sloping, gravelly and loamy soil underlain by shallow indurated caliche. This complex varies from approximately 50 percent Kimbrough gravelly loam, 25 percent Lea loam and 25 percent inclusions of Stegall, Arvana, Slaughter and Sharvana soils. The Kimbrough soil is gently sloping and is located on the tops and sides of low ridges while the Lea soil is nearly level and found in swales between the ridges. This soil complex has a rapid water intake and wind erosion is a severe hazard in the region.

Data collected by the United States Weather Bureau indicate that the average annual precipitation in the site vicinity is approximately 12 to 15 inches. This amount occurs primarily as storm events during the period between June and October. Infiltration and evaporation rates are generally high, resulting in limited surface flow from these events. The primary utilization of these lands consists of range, wildlife habitat, and recreational areas. State records, maintained by the New Mexico State Engineer's Office, indicate that the depth to groundwater in the area varies from approximately 25 to 62 feet bgs (Appendix D). The only surface-water body identified in the area is characterized by the U.S. Department of Agriculture as an intermittent lake located approximately 500 feet northwest of the site.

### **3.2 New Mexico Oil Conservation Division (NMOCD) Soil Classification**

Impacted soil at depth is characterized in the NMOCD guidelines as Unsaturated Contaminated Soils. Review of the field data and available state records indicate that the interval between the base of soil contamination and the upper limit of the water table is less than 50 feet, therefore, 20 points would be assigned to the site as a result of this criterion.

The water well database, maintained by the New Mexico State Engineer's Office, was accessed in order to determine the location and type of nearby water wells in the area (Appendix C). The data indicate that there is one water well located within 1,000 feet of the site, therefore, 20 points would be assigned to the site as a result of this criterion.

Figure 1 indicates that there is intermittent surface water within 500 feet of the site. Based on the NMOCD soil classification system 10 points would be assigned to the site as a result of this criterion. The NMOCD guidelines indicate that the site would have a Ranking Score of >19. The action levels for a site with a Ranking Score of >19 points are as follows:

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

### **3.3 Distribution of Hydrocarbons in the Unsaturated Zone**

Soil encountered at depth during the installation of monitor wells MW-26 and MW-28 is considered Unsaturated Contaminated Soil as characterized by NMOCD guidelines due to elevated TPH constituent concentrations. None of the soil samples submitted for analysis from monitor wells MW-26, MW-27 or MW-28 exceed regulatory standards for BTEX constituents. Soil samples collected from monitor well MW-26 contained TPH concentrations above NMOCD regulatory standards as follows: 679 mg/Kg at 40 feet bgs, 1832 mg/Kg at 45 feet bgs, 1570 mg/Kg at 50 feet bgs and 515 mg/Kg at 55 feet bgs. Monitor well MW-28 soil samples contained TPH concentrations exceeding regulatory standards as follows: 743 mg/Kg at 45 feet bgs, 1336 mg/Kg at 50 feet bgs and 1386 mg/Kg at 55 feet bgs. All other soil samples collected from monitor wells MW-27, MW-29, MW-30 and MW-31 were below regulatory levels for BTEX and TPH constituents (Table 2).

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

- Visual observations of subsurface soil samples, and;
- Review of laboratory analyses of soil samples.

### **3.4 Distribution of Hydrocarbons in the Saturated Zone**

Nineteen of the monitor wells located on-site are impacted with dissolved phase benzene or total BTEX constituents above NMOCD regulatory standards. There are no known phase separated hydrocarbons associated with this site. Dissolved phase benzene concentrations exceeding NMOCD regulatory standards recorded from laboratory analysis of groundwater

samples collected during calendar year 2001 varied from a minimum of 0.011 mg/L in MW-2 to a maximum of 7.140 mg/L in MW-14. Review of the cumulative analytical results from groundwater sampling events indicate that benzene and total BTEX concentrations fluctuate at the site. Groundwater in downgradient monitor well MW-29 is impacted with a dissolved phase benzene concentration of 2.340 mg/L indicating that downgradient plume delineation activities are incomplete.

Results of laboratory analyses of regulated metal constituents in the groundwater were below the New Mexico Water Quality Control Commission regulatory standards for all tested analytes.

#### **4.0 ABATEMENT OPTIONS**

##### **4.1 Soil Abatement Options**

An accurate estimate of the volume of impacted soil present at the site is not available utilizing existing data. Operational issues associated with the remedial technology are described in order to rate the viability of the technology considered.

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

- Human-Health Based Risk Assessment.

As per the verbal agreement between the NMOCD and representatives of EOTT during a site visit in 2001, the groundwater contaminant plume will be fully defined, additional source area information collected, and a risk assessment completed and submitted to the NMOCD. The groundwater plume will be monitored on a quarterly basis for the near term, following NMOCD approval, and pending the results of the risk based analysis of the site, monitoring frequency may be reduced.

The technology selected to meet NMOCD regulatory cleanup standards is that of a Human-Health Based Risk Assessment technology. A site-specific approach will be employed to assess the probability of likely human exposure pathways with evaluations of the individual constituents of BTEX and TPH concentrations present in the soil. Site Specific Target Levels (SSTL) will be determined using risk assessment technology, and the existing site conditions at that time compared to the SSTL's to evaluate the success or efficiency of the chosen remedial methodology.

##### **4.2 Groundwater Abatement Options**

As per the verbal agreement between the NMOCD and representatives of EOTT during a site visit in 2001, the groundwater pump-and-treat system will be removed and extended monitoring instituted at the site. The groundwater contaminant plume will be fully defined and a risk assessment completed and submitted to the NMOCD. The groundwater plume will be monitored on a quarterly basis for the near term, following NMOCD approval, and pending the results of the risk-based analysis of the site, monitoring frequency may be adjusted.

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

- Human-Health Based Risk Assessment
- Natural Attenuation
- Deed Recordation of Impacted Area Against Groundwater Use

The 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 ASTM 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.

Natural attenuation will be monitored and used to estimate the degradation rates of the dissolved phase product plume. Dissolved oxygen, pH, temperature, sulfates, carbon dioxide and nitrate will be measured in all monitor wells sampled during each groundwater sampling event to quantify the presence and rate of biodegradation of the dissolved phase contaminant plume.

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

## **5.0 SUMMARY AND CONCLUSIONS**

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

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

A total of six groundwater monitor wells, MW-26 through MW-31, were installed within the time frame of events described in this report. Soil classified as Unsaturated Contaminated Soil by NMOCD Guidelines (August 1993) was discovered at depth in monitor wells MW-26 and MW-28.

Soil located at depths varying between 40 and 55 feet bgs in the area of monitor wells MW-26 and MW-28 appeared to be Unsaturated Contaminated Soil as characterized by NMOCD

guidelines (August 1993). BTEX concentrations recorded in all of the soil samples analyzed were below applicable regulatory standards. Analysis of the soil samples collected from monitor well MW-26 at the above referenced depths contained TPH concentrations varying from 36 mg/Kg to 1832 mg/Kg. Laboratory results from samples collected at monitor well MW-28 at the above referenced depths registered TPH concentrations ranging from 93 mg/Kg to 1386 mg/Kg. None of the soil samples collected from monitor wells MW-27, MW-29, MW-30 and MW-31 registered BTEX or TPH concentrations above regulatory standards. Site excavation technologies are not feasible at this site due to the estimated 500,000 cubic yards of overburden material that would have to be excavated to access the impacted soil.

During the first quarterly monitoring event conducted in calendar year 2002, the dissolved phase benzene concentrations in groundwater samples collected from monitor wells MW-26, MW-27, MW-28, MW-29, MW-30 and MW-31 were 1.690 mg/L, 0.004 mg/L, 2.130 mg/L, 2.340 mg/L, <0.001 mg/L and 0.002 mg/L, respectively. These results indicate that the down-gradient extent of the plume has not been delineated. The dissolved phase benzene concentration in select monitor wells on-site has historically registered concentrations above the NMOCD regulatory standard. Phase separated hydrocarbons have never been detected in any on-site groundwater monitor wells. Results of groundwater sampling for New Mexico Water Quality Control Commission metals were below regulatory levels. Refer to Table 2, Groundwater Chemistry, for concentrations of WQCC metals in on-site groundwater.

Based on the field data, the average depth to groundwater at the site is approximately 56 to 60 feet bgs. Data from the New Mexico State Engineer's Office indicate that the depth to groundwater in the general area is approximately 25 to 59 feet bgs.

An accurate estimate of the volume of impacted soil present at the site is not available utilizing existing site data. A soil delineation survey utilizing either an air rotary drilling rig or a hollow stem auger rig will be conducted by installing approximately ten 60-foot deep soil borings at the points shown on Figure 5. Soil borings 9 and 10 will be subsequently converted to a permanent groundwater monitor wells for downgradient groundwater delineation purposes. Core samples will be collected from the capillary fringe zone of selected soil borings and analyzed as outlined in Section 7.1 of this report. Information gained from laboratory analysis of core sampling will be utilized in the estimation of hydraulic parameters needed for completion of a risk based assessment.

ETGI recommends utilization of a risk based assessment technology to achieve site closure. The following assumptions and observations qualify this site for eventual closure from the NMOCD utilizing a human-health risk based assessment technology:

- Exposure Setting: depth to the impacted soil >45 feet bgs and impacted groundwater >55 bgs;
- At Risk Population: environmental technicians only, assuming no site excavation activity; technicians, heavy equipment operators, laborers, site supervisory personnel and local downwind population if site excavation is conducted;
- Exposure Pathways: soil sampling during groundwater monitoring well/soil boring installations and groundwater sampling during regularly scheduled monitoring events, and;

- Exposure Points: soil and groundwater possibilities to the at-risk population identified above.

At this time, the existence of a threat to human exposure to petroleum hydrocarbon impacted soil at this site is limited. Personnel associated with additional on-site plume delineation actions are OSHA trained, experienced in soil and groundwater investigation and sampling methods and will be utilizing personal protective equipment while conducting site investigation activities. The existing SPS water well should be properly plugged and abandoned according to applicable WQCC well closure standards. Filing of Deed Restriction documentation restricting future development or improvements to the area defined in this report in the county clerks office in Lovington, Lea County, New Mexico will reduce human exposure to the regulated constituents on-site to accepted Risk Based Standards.

## **6.0 MONITORING PROGRAM**

All site monitoring 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 monitoring wells, with the exception of those registering a presence of PSH, will be purged and sampled for dissolved phase BTEX constituents. Groundwater sampling methodology proposed at this site is described in Section 7.2, Groundwater Sampling of this report.

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

## **7.0 QA/QC PROCEDURES**

### **7.1 Soil Sampling**

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

The other portion of the soil sample will be placed in a duplicate zip-lock baggie and temporarily stored on ice. Upon selection of samples for analysis, the sample will be transferred from the temporary storage baggie to a sterile glass container equipped with a Teflon-lined lid furnished by the analytical laboratory. The container will be filled to capacity to limit the amount of headspace present. Each container will be labeled and placed on ice in an insulated cooler and sealed for shipment to the laboratory. Proper chain-of-custody documentation will be maintained throughout the sampling process.



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

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

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

- Hydraulic Conductivity in accordance with ASTM Method D5084;
- Moisture Content in accordance with ASTM Method D2216;
- Wet and Dry Bulk Density in accordance with ASTM Method D2937, and;
- Fractional Organic Carbon in accordance with ASTM Method D2974

## **7.2 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, poly aromatic hydrocarbons (PAH) containers second and RCRA metals last).

Groundwater samples collected for BTEX analysis will be placed in 40 ml glass VOA vials equipped with Teflon lined caps, provided by the analytical laboratory. The vials will be filled to a positive meniscus, sealed, and visually checked to ensure the absence of air bubbles.

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

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

- BTEX constituents in accordance with EPA Method 8021B, 5030;
- PAH in accordance with EPA Method 8270;
- Total dissolved solids in accordance with EPA Method 160.1;
- Anions and cations in accordance with EPA Methods 300 and 6010, and;

- RCRA metals in accordance with EPA Method 6010B, 7470.

### **7.3 Decontamination Of Equipment**

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

### **7.4 Laboratory Protocol**

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

## **8.0 LIMITATIONS**

Environmental Technology Group, Inc. has prepared this Additional Subsurface Investigation Report and Modified 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.

## 9.0 REFERENCES

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

Title 19 NMAC 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.

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

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

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

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

## 10.0 DISTRIBUTION

Copy 1 & 2: Mr. William C. Olson/Randy Bayliss  
New Mexico Oil Conservation Division  
Environmental Bureau  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Copy 3 to: Chris Williams  
New Mexico Oil Conservation Division (District 1)  
1625 French Drive  
Hobbs, New Mexico 88240

Copy 4 to: Bill Kendrick  
Enron  
P.O. Box 1188  
Room ECN 4533  
Houston, Texas 77251-1188

Copy 5 to: Mike Kelly  
EOTT Energy Corp.  
2000 W. Sam Houston Parkway  
Houston, Texas 77042

Copy 6 to: Frank Hernandez  
Enron Transportation and Services Company  
8112 W. Highway 82  
Lovington, New Mexico 88260

Copy 7 to: Environmental Technology Group, Inc.  
2540 W. Marland  
Hobbs, New Mexico 88240

Copy 8 to: Environmental Technology Group, Inc.  
4600 West Wall Street  
Midland, Texas 79703

COPY NO.: 1

  
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Quality Control Reviewer

## TABLES

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**  
**EOTT ENERGY CORPORATION**

**SPS - 11**  
**LEA COUNTY, NEW MEXICO**  
**ETGI PROJECT # EOT 2022C**

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	08/16/99	3,859.08	-	57.51	0.00	3,801.57
	12/06/99	3,859.08	-	57.30	0.00	3,801.78
	03/24/00	3,859.08	-	56.87	0.00	3,802.21
	06/14/00	3,859.08	-	57.40	0.00	3,801.68
	09/22/00	3,859.08	-	56.50	0.00	3,802.58
	12/28/00	3,859.08	-	56.68	0.00	3,802.40
	03/14/01	3,859.08	-	56.78	0.00	3,802.30
	06/06/01	3,859.08	-	56.94	0.00	3,802.14
	09/28/01	3,859.08	-	57.05	0.00	3,802.03
	11/17/01	3,859.08	-	57.57	0.00	3,801.51
	03/26/02	3,859.08	-	57.54	0.00	3,801.54
MW - 2	08/16/99	3,860.76	-	57.91	0.00	3,802.85
	12/06/99	3,860.76	-	57.81	0.00	3,802.95
	03/24/00	3,860.76	-	57.55	0.00	3,803.21
	06/14/00	3,860.76	-	58.05	0.00	3,802.71
	09/22/00	3,860.76	-	57.04	0.00	3,803.72
	12/28/00	3,860.76	-	57.32	0.00	3,803.44
	03/14/01	3,860.76	-	57.41	0.00	3,803.35
	06/06/01	3,860.76	-	57.58	0.00	3,803.18
	09/28/01	3,860.76	-	57.68	0.00	3,803.08
	11/17/01	3,860.76	-	58.00	0.00	3,802.76
	03/26/02	3,860.76	-	58.20	0.00	3,802.56
MW - 3	08/16/99	3,861.15	-	58.35	0.00	3,802.80
	12/06/99	3,861.15	-	58.30	0.00	3,802.85
	03/24/00	3,861.15	-	57.98	0.00	3,803.17
	06/14/00	3,861.15	-	58.50	0.00	3,802.65
	09/22/00	3,861.15	-	57.48	0.00	3,803.67
	12/28/00	3,861.15	-	57.74	0.00	3,803.41
	03/14/01	3,861.15	-	57.85	0.00	3,803.30
	06/06/01	3,861.15	-	58.00	0.00	3,803.15
	09/28/01	3,861.15	-	58.13	0.00	3,803.02
	11/17/01	3,861.15	-	58.46	0.00	3,802.69
	03/26/02	3,861.15	-	58.65	0.00	3,802.50
MW - 4	08/16/99	3,859.62	-	57.95	0.00	3,801.67
	12/06/99	3,859.62	-	57.82	0.00	3,801.80
	03/24/00	3,859.62	-	57.03	0.00	3,802.59
	06/14/00	3,859.62	-	57.57	0.00	3,802.05
	09/22/00	3,859.62	-	56.64	0.00	3,802.98
	12/28/00	3,859.62	-	56.86	0.00	3,802.76
	03/14/01	3,859.62	-	56.96	0.00	3,802.66
	06/06/01	3,859.62	-	57.12	0.00	3,802.50
	09/28/01	3,859.62	-	57.23	0.00	3,802.39
	11/17/01	3,859.62	-	58.04	0.00	3,801.58
	03/26/02	3,859.62	-	57.69	0.00	3,801.93

TABLE 1 (Continued)

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	08/16/99	3,862.47	-	57.93	0.00	3,804.54
	12/06/99	3,862.47	-	57.41	0.00	3,805.06
	03/24/00	3,862.47	-	57.43	0.00	3,805.04
	06/14/00	3,862.47	-	57.98	0.00	3,804.49
	09/22/00	3,862.47	-	56.82	0.00	3,805.65
	12/28/00	3,862.47	-	57.03	0.00	3,805.44
	03/14/01	3,862.47	-	57.14	0.00	3,805.33
	06/06/01	3,862.47	-	57.35	0.00	3,805.12
	09/28/01	3,862.47	-	57.42	0.00	3,805.05
	11/17/01	3,862.47	-	57.77	0.00	3,804.70
	03/26/02	3,862.47	-	58.05	0.00	3,804.42
MW - 7	08/16/99	3,859.31	-	57.64	0.00	3,801.67
	12/06/99	3,859.31	-	57.50	0.00	3,801.81
	03/24/00	3,859.31	-	57.17	0.00	3,802.14
	06/14/00	3,859.31	-	57.72	0.00	3,801.59
	09/22/00	3,859.31	-	56.79	0.00	3,802.52
	12/28/00	3,859.31	-	56.96	0.00	3,802.35
	03/14/01	3,859.31	-	57.11	0.00	3,802.20
	06/06/01	3,859.31	-	57.20	0.00	3,802.11
	09/28/01	3,859.31	-	57.32	0.00	3,801.99
	11/17/01	3,859.31	-	57.77	0.00	3,801.54
	03/26/02	3,859.31	-	57.82	0.00	3,801.49
MW - 9	08/16/99	3,861.88	-	57.29	0.00	3,804.59
	12/06/99	3,861.88	-	57.00	0.00	3,804.88
	03/24/00	3,861.88	-	56.34	0.00	3,805.54
	06/14/00	3,861.88	-	56.88	0.00	3,805.00
	09/22/00	3,861.88	-	55.86	0.00	3,806.02
	12/28/00	3,861.88	-	56.02	0.00	3,805.86
	03/14/01	3,861.88	-	56.14	0.00	3,805.74
	06/06/01	3,861.88	-	56.30	0.00	3,805.58
	09/28/01	3,861.88	-	56.38	0.00	3,805.50
	11/17/01	3,861.88	-	57.23	0.00	3,804.65
	03/26/02	3,861.88	-	56.95	0.00	3,804.93
MW - 10	08/16/99	3,860.58	-	59.00	0.00	3,801.58
	12/07/99	3,860.58	-	58.74	0.00	3,801.84
	03/24/00	3,860.58	-	58.68	0.00	3,801.90
	06/14/00	3,860.58	-	59.20	0.00	3,801.38
	09/22/00	3,860.58	-	58.29	0.00	3,802.29
	12/28/00	3,860.58	-	58.47	0.00	3,802.11
	03/14/01	3,860.58	-	58.59	0.00	3,801.99
	06/06/01	3,860.58	-	58.70	0.00	3,801.88
	09/28/01	3,860.58	-	58.82	0.00	3,801.76
	11/17/01	3,860.58	-	59.06	0.00	3,801.52
	03/26/02	3,860.58	-	59.34	0.00	3,801.24

TABLE 1 (Continued)

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 11	08/16/99	3,860.00	-	58.45	0.00	3,801.55
	12/07/99	3,860.00	-	58.25	0.00	3,801.75
	03/24/00	3,860.00	-	58.11	0.00	3,801.89
	06/14/00	3,860.00	-	58.59	0.00	3,801.41
	09/22/00	3,860.00	-	57.75	0.00	3,802.25
	12/28/00	3,860.00	-	57.94	0.00	3,802.06
	03/14/01	3,860.00	-	58.05	0.00	3,801.95
	06/06/01	3,860.00	-	58.18	0.00	3,801.82
	09/28/01	3,860.00	-	58.29	0.00	3,801.71
	11/17/01	3,860.00	-	58.56	0.00	3,801.44
	03/26/02	3,860.00	-	58.78	0.00	3,801.22
MW - 12	08/16/99	3,863.10	-	58.98	0.00	3,804.12
	12/07/99	3,863.10	-	58.48	0.00	3,804.62
	03/24/00	3,863.10	-	58.55	0.00	3,804.55
	06/14/00	3,863.10	-	59.05	0.00	3,804.05
	09/22/00	3,863.10	-	57.80	0.00	3,805.30
	12/28/00	3,863.10	-	58.18	0.00	3,804.92
	03/14/01	3,863.10	-	58.28	0.00	3,804.82
	06/06/01	3,863.10	-	58.47	0.00	3,804.63
	09/28/01	3,863.10	-	58.53	0.00	3,804.57
	11/17/01	3,863.10	-	58.84	0.00	3,804.26
	03/26/02	3,863.10	-	59.04	0.00	3,804.06
MW-13	08/16/99	3,862.44	-	57.38	0.00	3,805.06
	12/07/99	3,862.44	-	56.77	0.00	3,805.67
	03/24/00	3,862.44	-	56.92	0.00	3,805.52
	06/14/00	3,862.44	-	57.42	0.00	3,805.02
	09/22/00	3,862.44	-	56.24	0.00	3,806.20
	12/28/00	3,862.44	-	56.58	0.00	3,805.86
	03/14/01	3,862.44	-	56.72	0.00	3,805.72
	06/06/01	3,862.44	-	56.88	0.00	3,805.56
	09/28/01	3,862.44	-	56.98	0.00	3,805.46
	11/17/01	3,862.44	-	57.21	0.00	3,805.23
	03/26/02	3,862.44	-	57.52	0.00	3,804.92
MW - 14	08/16/99	3,862.95	-	58.71	0.00	3,804.24
	12/07/99	3,862.95	-	58.14	0.00	3,804.81
	03/24/00	3,862.95	-	57.97	0.00	3,804.98
	06/14/00	3,862.95	-	58.40	0.00	3,804.55
	09/22/00	3,862.95	-	57.57	0.00	3,805.38
	12/28/00	3,862.95	-	57.72	0.00	3,805.23
	03/14/01	3,862.95	-	57.88	0.00	3,805.07
	06/06/01	3,862.95	-	58.02	0.00	3,804.93
	09/28/01	3,862.95	-	58.14	0.00	3,804.81
	11/17/01	3,862.95	-	58.58	0.00	3,804.37
	03/26/02	3,862.95	-	58.61	0.00	3,804.34



TABLE 1 (Continued)

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 15	08/16/99	3,861.70	-	57.43	0.00	3,804.27
	12/07/99	3,861.70	-	57.00	0.00	3,804.70
	03/24/00	3,861.70	-	57.11	0.00	3,804.59
	06/14/00	3,861.70	-	57.51	0.00	3,804.19
	09/22/00	3,861.70	-	56.76	0.00	3,804.94
	12/28/00	3,861.70	-	56.89	0.00	3,804.81
	03/14/01	3,861.70	-	57.00	0.00	3,804.70
	06/06/01	3,861.70	-	57.15	0.00	3,804.55
	09/28/01	3,861.70	-	57.25	0.00	3,804.45
	11/17/01	3,861.70	-	57.50	0.00	3,804.20
	03/26/02	3,861.70	-	57.57	0.00	3,804.13
MW - 16	08/16/99	3,863.15	-	57.27	0.00	3,805.88
	12/07/99	3,863.15	-	56.82	0.00	3,806.33
	03/24/00	3,863.15	-	56.81	0.00	3,806.34
	06/14/00	3,863.15	-	57.24	0.00	3,805.91
	09/22/00	3,863.15	-	56.46	0.00	3,806.69
	12/28/00	3,863.15	-	56.64	0.00	3,806.51
	03/14/01	3,863.15	-	56.73	0.00	3,806.42
	06/06/01	3,863.15	-	56.85	0.00	3,806.30
	09/28/01	3,863.15	-	56.99	0.00	3,806.16
	11/17/01	3,863.15	-	57.28	0.00	3,805.87
	03/26/02	3,863.15	-	57.43	0.00	3,805.72
MW - 17	08/16/99	3,859.17	-	59.25	0.00	3,799.92
	12/07/99	3,859.17	-	59.39	0.00	3,799.78
	03/24/00	3,859.17	-	59.57	0.00	3,799.60
	06/14/00	3,859.17	-	59.72	0.00	3,799.45
	09/22/00	3,859.17	-	59.65	0.00	3,799.52
	12/28/00	3,859.17	-	59.70	0.00	3,799.47
	03/14/01	3,859.17	-	59.66	0.00	3,799.51
	06/06/01	3,859.17	-	59.75	0.00	3,799.42
	09/28/01	3,859.17	-	59.90	0.00	3,799.27
	11/17/01	3,859.17	-	60.02	0.00	3,799.15
	03/26/02	3,859.17	-	60.41	0.00	3,798.76
MW - 18	08/16/99	3,859.98	-	58.99	0.00	3,800.99
	12/07/99	3,859.98	-	58.93	0.00	3,801.05
	03/24/00	3,859.98	-	59.15	0.00	3,800.83
	06/14/00	3,859.98	-	59.42	0.00	3,800.56
	09/22/00	3,859.98	-	58.97	0.00	3,801.01
	12/28/00	3,859.98	-	59.02	0.00	3,800.96
	03/14/01	3,859.98	-	59.15	0.00	3,800.83
	06/06/01	3,859.98	-	59.20	0.00	3,800.78
	09/28/01	3,859.98	-	59.43	0.00	3,800.55
	11/17/01	3,859.98	-	59.44	0.00	3,800.54
	03/26/02	3,859.98	-	59.94	0.00	3,800.04

TABLE 1 (Continued)

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 19	08/16/99	3,862.30	-	60.12	0.00	3,802.18
	12/07/99	3,862.30	-	59.95	0.00	3,802.35
	03/24/00	3,862.30	-	57.97	0.00	3,804.33
	06/14/00	3,862.30	-	60.41	0.00	3,801.89
	09/22/00	3,862.30	-	59.64	0.00	3,802.66
	12/28/00	3,862.30	-	59.83	0.00	3,802.47
	03/14/01	3,862.30	-	58.92	0.00	3,803.38
	06/06/01	3,862.30	-	59.98	0.00	3,802.32
	09/28/01	3,862.30	-	59.19	0.00	3,803.11
	11/17/01	3,862.30	-	60.35	0.00	3,801.95
MW - 20	03/26/02	3,862.30	-	60.64	0.00	3,801.66
	08/16/99	3,861.30	-	59.27	0.00	3,802.03
	12/07/99	3,861.30	-	59.06	0.00	3,802.24
	03/24/00	3,861.30	-	59.13	0.00	3,802.17
	06/14/00	3,861.30	-	59.54	0.00	3,801.76
	09/22/00	3,861.30	-	58.84	0.00	3,802.46
	12/28/00	3,861.30	-	59.01	0.00	3,802.29
	03/14/01	3,861.30	-	59.11	0.00	3,802.19
	06/06/01	3,861.30	-	59.20	0.00	3,802.10
	09/28/01	3,861.30	-	59.34	0.00	3,801.96
MW - 21	11/17/01	3,861.30	-	59.53	0.00	3,801.77
	03/26/02	3,861.30	-	59.80	0.00	3,801.50
	08/16/99	3,862.30	-	59.55	0.00	3,802.75
	12/07/99	3,862.30	-	59.22	0.00	3,803.08
	03/24/00	3,862.30	-	59.25	0.00	3,803.05
	06/14/00	3,862.30	-	59.70	0.00	3,802.60
	09/22/00	3,862.30	-	58.84	0.00	3,803.46
	12/28/00	3,862.30	-	59.06	0.00	3,803.24
	03/14/01	3,862.30	-	59.16	0.00	3,803.14
	06/06/01	3,862.30	-	59.29	0.00	3,803.01
MW - 22	09/28/01	3,862.30	-	59.40	0.00	3,802.90
	11/17/01	3,862.30	-	59.60	0.00	3,802.70
	03/26/02	3,862.30	-	59.89	0.00	3,802.41
	08/16/99	3,864.01	-	57.81	0.00	3,806.20
	12/07/99	3,864.01	-	57.46	0.00	3,806.55
	03/24/00	3,864.01	-	57.55	0.00	3,806.46
	06/14/00	3,864.01	-	57.93	0.00	3,806.08
	09/22/00	3,864.01	-	57.13	0.00	3,806.88
	12/28/00	3,864.01	-	57.37	0.00	3,806.64
	03/14/01	3,864.01	-	57.50	0.00	3,806.51
	06/06/01	3,864.01	-	57.55	0.00	3,806.46
	09/28/01	3,864.01	-	57.75	0.00	3,806.26
	11/17/01	3,864.01	-	57.94	0.00	3,806.07
	03/26/02	3,864.01	-	58.20	0.00	3,805.81

TABLE 1 (Continued)

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 23	08/16/99	3,862.44	-	56.39	0.00	3,806.05
	12/07/99	3,862.44	-	56.28	0.00	3,806.16
	03/24/00	3,862.44	-	56.34	0.00	3,806.10
	06/14/00	3,862.44	-	56.58	0.00	3,805.86
	09/22/00	3,862.44	-	56.20	0.00	3,806.24
	12/28/00	3,862.44	-	56.32	0.00	3,806.12
	03/14/01	3,862.44	-	56.83	0.00	3,805.61
	06/06/01	3,862.44	-	56.50	0.00	3,805.94
	09/28/01	3,862.44	-	56.56	0.00	3,805.88
	11/17/01	3,862.44	-	56.79	0.00	3,805.65
	03/26/02	3,862.44	-	57.00	0.00	3,805.44
MW - 24	08/16/99	3,864.36	-	57.41	0.00	3,806.95
	12/07/99	3,864.36	-	57.19	0.00	3,807.17
	03/24/00	3,864.36	-	57.31	0.00	3,807.05
	06/14/00	3,864.36	-	57.59	0.00	3,806.77
	09/22/00	3,864.36	-	57.09	0.00	3,807.27
	12/28/00	3,864.36	-	57.23	0.00	3,807.13
	03/14/01	3,864.36	-	57.30	0.00	3,807.06
	06/06/01	3,864.36	-	57.38	0.00	3,806.98
	09/28/01	3,864.36	-	57.58	0.00	3,806.78
	11/17/01	3,864.36	-	57.75	0.00	3,806.61
	03/26/02	3,864.36	-	57.94	0.00	3,806.42
MW - 25	08/16/99	3,864.16	-	56.02	0.00	3,808.14
	12/07/99	3,864.16	-	55.96	0.00	3,808.20
	03/24/00	3,864.16	-	56.08	0.00	3,808.08
	06/14/00	3,864.16	-	56.28	0.00	3,807.88
	09/22/00	3,864.16	-	55.93	0.00	3,808.23
	12/28/00	3,864.16	-	56.05	0.00	3,808.11
	03/14/01	3,864.16	-	56.12	0.00	3,808.04
	06/06/01	3,864.16	-	56.28	0.00	3,807.88
	09/28/01	3,864.16	-	56.37	0.00	3,807.79
	11/17/01	3,864.16	-	56.51	0.00	3,807.65
	03/26/02	3,864.16	-	56.74	0.00	3,807.42
MW-26	06/14/00	3,858.79	-	60.10	0.00	3,798.69
	09/22/00	3,858.79	-	60.00	0.00	3,798.79
	12/28/00	3,858.79	-	60.08	0.00	3,798.71
	03/14/01	3,858.79	-	60.05	0.00	3,798.74
	06/06/01	3,858.79	-	60.18	0.00	3,798.61
	09/28/01	3,858.79	-	60.32	0.00	3,798.47
	11/17/01	3,858.79	-	60.48	0.00	3,798.31
	03/26/02	3,858.79	-	60.84	0.00	3,797.95
MW-27	06/14/00	3,858.23	-	59.60	0.00	3,798.63
	09/22/00	3,858.23	-	59.50	0.00	3,798.73
	12/28/00	3,858.23	-	59.54	0.00	3,798.69
	03/14/01	3,858.23	-	59.60	0.00	3,798.63
	06/06/01	3,858.23	-	59.64	0.00	3,798.59
	09/28/01	3,858.23	-	59.88	0.00	3,798.35
	11/17/01	3,858.23	-	59.91	0.00	3,798.32
	03/26/02	3,858.23	-	60.40	0.00	3,797.83

TABLE 1 (Continued)

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 28	06/14/00	3,858.60	-	60.33	0.00	3,798.27
	09/22/00	3,858.60	-	60.29	0.00	3,798.31
	12/28/00	3,858.60	-	60.33	0.00	3,798.27
	03/14/01	3,858.60	-	60.38	0.00	3,798.22
	16/16/01	3,858.60	-	60.40	0.00	3,798.20
	19/28/01	3,858.60	-	60.63	0.00	3,797.97
	11/17/01	3,858.60	-	60.71	0.00	3,797.89
	03/26/02	3,858.60	-	60.85	0.00	3,797.75
MW - 29	03/26/02	3,858.54	-	61.28	0.00	3,797.26
MW - 30	03/26/02	3,858.35	-	59.75	0.00	3798.60
MW - 31	03/26/02	3,858.52	-	60.70	0.00	3797.82

**TABLE 2  
SOIL CHEMISTRY  
EOTT ENERGY CORPORATION**

**SPS-11  
LEA COUNTY, NEW MEXICO  
ETGI PROJECT # EOT 2022C**

*All Concentrations are in mg/kg*

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH	METHOD: EPA SW 846-8021B,5030				METHODS: SW 846-8015M	
			BENZENE	TOLUENE	ETHYL- BENZENE	M,P,O- XYLENES	GRO C6-C10	DRO >C10-C28
MW-29	12/05/01	65'	<0.025	<0.025	<0.025	<0.050	<10	<10
MW-30	12/06/01	60-62'	<0.025	<0.025	<0.025	<0.050	<10	<10
MW-31	12/06/01	60-62'	<0.025	0.026	<0.025	<0.050	<10	<10

TABLE 3  
GROUNDWATER CHEMISTRY  
EOTT ENERGY CORPORATION

SPS 11  
LEA COUNTY, NEW MEXICO  
ETGI PROJECT # EOT 2022C

*All concentrations are in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 1	08/20/99	6.540	0.078	1.360	0.822
	12/08/99	5.200	0.386	1.060	0.724
	03/24/00	0.547	0.098	0.169	0.056
	06/14/00	2.280	0.060	0.451	0.073
	09/22/00	0.455	0.115	0.128	0.074
	12/28/00	1.990	0.050	0.442	0.166
	03/14/01	2.720	0.199	0.659	0.275
	06/06/01	3.560	0.155	0.812	5.272
	09/28/01	1.280	0.065	0.366	0.157
	11/17/01	6.880	0.121	1.650	1.069
	03/26/02	1.850	0.049	0.361	0.049
MW-2	08/19/99	<0.001	<0.001	<0.001	<0.001
	12/08/99	<0.001	<0.001	<0.001	<0.001
	03/24/00	0.001	0.001	<0.001	<0.001
	06/14/00	0.015	0.006	0.007	0.002
	09/22/00	<0.001	<0.001	<0.001	<0.001
	12/28/00	0.002	0.001	0.001	<0.001
	03/14/01	0.001	0.001	<0.001	<0.001
	06/06/01	0.007	0.120	<0.001	0.019
	09/28/01	0.001	0.001	<0.001	<0.001
	11/17/01	0.011	0.002	0.003	0.002
	03/26/02	<0.001	<0.001	<0.001	<0.001
MW-3	08/19/99	<0.001	<0.001	<0.001	<0.001
	12/08/99	<0.001	<0.001	<0.001	<0.001
	03/24/00	<0.001	0.001	<0.001	<0.001
	06/14/00	0.003	0.001	0.003	<0.001
	09/22/00	<0.001	<0.001	<0.001	<0.001
	12/28/00	<0.001	<0.001	<0.001	<0.001
	03/14/01	0.004	0.005	0.003	0.003
	06/06/01	0.006	<0.001	<0.001	0.006
	09/28/01	0.002	0.002	<0.001	0.001
	11/17/01	0.006	0.001	0.002	0.002
	03/26/02	<0.001	<0.001	<0.001	<0.001
MW - 4	08/19/00	0.009	<0.001	0.002	<0.001
	12/08/99	0.014	0.002	0.003	<0.001
	03/24/00	0.015	0.001	0.003	0.001
	06/14/00	0.021	0.001	0.006	0.001
	09/22/00	0.015	0.002	0.006	0.003
	12/28/00	0.011	0.002	0.003	<0.001
	03/14/01	0.008	<0.001	0.002	<0.001
	06/06/01	0.019	<0.001	<0.001	0.019
	09/28/01	0.012	0.001	0.003	0.001
	11/17/01	0.002	<0.001	<0.001	<0.001
	03/26/02	<0.001	<0.001	<0.001	<0.001

Table 3 (Continued)

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 6	08/19/99	0.009	<0.001	<0.001	<0.001
	12/08/99	0.011	<0.001	0.002	<0.001
	03/24/00	0.009	<0.001	<0.001	<0.001
	06/14/00	0.005	<0.001	0.002	<0.001
	09/02/00	0.040	<0.001	0.010	0.003
	12/28/00	0.010	0.001	0.002	<0.001
	03/14/01	0.021	<0.001	0.004	0.001
	06/06/01	0.023	<0.001	<0.001	0.036
	09/28/01	0.027	<0.001	0.004	0.002
	11/17/01	0.013	<0.001	0.003	0.001
	03/26/02	0.013	<0.001	<0.001	<0.001
MW-7	08/19/99	0.039	0.008	0.018	0.009
	12/08/99	0.108	0.011	0.094	0.210
	03/24/00	0.044	0.010	0.014	0.006
	06/14/00	0.014	0.003	0.004	<0.001
	09/22/00	0.150	0.026	0.084	0.037
	12/28/00	0.043	0.002	0.040	0.002
	03/14/01	0.055	0.002	0.057	0.002
	06/06/01	0.079	<0.005	0.079	0.158
	09/28/01	0.100	0.004	0.124	0.009
	11/17/01	0.162	0.004	0.154	0.020
	03/26/02	0.041	0.001	0.036	0.002
MW-9	08/19/99	0.725	0.163	0.368	0.356
	12/08/99	0.058	<0.001	0.022	<0.001
	03/24/00	0.012	0.002	0.002	<0.001
	06/14/00	0.041	<0.001	0.024	0.002
	09/22/00	0.058	<0.001	0.008	0.002
	12/28/00	0.867	<0.010	0.344	0.043
	03/14/01	2.520	<0.010	1.120	0.117
	06/06/01	2.980	<0.005	1.150	4.528
	09/28/01	2.360	<.200	1.000	0.015
	11/17/01	1.820	0.002	0.724	0.015
	03/26/02	0.162	<0.001	0.037	0.001
MW-10	08/19/99	0.040	0.007	0.006	0.009
	12/08/99	0.048	0.022	0.021	0.021
	03/24/00	0.022	0.004	0.005	0.006
	06/14/00	0.012	0.004	0.007	0.004
	09/22/00	0.026	0.005	0.016	0.011
	12/28/00	0.018	0.003	0.015	0.004
	03/14/01	0.011	0.004	0.013	0.004
	06/06/01	0.021	<0.001	0.016	0.107
	09/28/01	0.007	<0.001	0.008	0.001
	11/17/01	0.014	<0.001	0.001	0.002
	03/26/02	0.021	<0.001	0.006	<0.001

TABLE 3 (Continued)

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW-11	08/20/99	1.763	<0.010	<0.010	<0.010
	12/08/99	2.940	<0.010	<0.010	<0.010
	03/24/00	1.400	<0.025	<0.025	<0.025
	06/14/00	0.724	0.002	0.001	<0.001
	09/22/00	1.970	<0.100	<0.100	<0.100
	12/28/00	0.250	<0.001	<0.001	<0.001
	03/14/01	0.105	<0.001	<0.001	<0.001
	06/06/01	0.073	<0.001	0.013	0.107
	09/28/01	0.013	<0.001	0.001	<0.001
	11/17/01	0.032	<0.00	0.007	<0.001
	03/26/02	0.013	0.001	0.004	<0.001
MW-12	08/19/99	0.434	0.006	0.054	0.029
	12/08/99	0.604	0.012	0.080	0.034
	03/24/00	0.012	0.002	<0.001	0.005
	06/14/00	0.009	<0.001	0.001	<0.001
	09/22/00	0.716	0.026	0.310	0.130
	12/28/00	0.313	0.006	0.063	0.016
	03/14/01	0.424	0.013	0.037	0.020
	06/06/01	0.419	0.013	0.052	0.564
	09/28/01	0.063	0.004	0.008	0.007
	11/17/01	0.050	0.003	0.006	0.004
	03/26/02	0.002	<0.001	<0.001	<0.001
MW-13	08/19/99	<0.001	<0.001	<0.001	<0.001
	12/08/99	0.001	<0.001	<0.001	<0.001
	03/24/00	<0.001	<0.001	<0.001	<0.001
	06/14/00	<0.001	<0.001	<0.001	<0.001
	09/22/00	0.001	<0.001	0.003	<0.001
	12/28/00	<0.001	<0.001	<0.001	<0.001
	03/14/01	0.002	<0.001	0.003	<0.001
	06/06/01	<0.001	<0.001	<0.001	<0.001
	09/28/01	0.002	<0.001	<0.001	<0.001
	11/17/01	0.001	<0.001	<0.001	<0.001
	03/26/02	<0.001	<0.001	<0.001	<0.001
MW-14	08/19/99	8.030	0.210	1.310	1.044
	12/08/99	7.970	0.022	1.180	0.693
	03/24/00	3.470	<0.025	0.200	0.106
	06/14/00	1.590	0.016	0.106	0.001
	09/22/00	3.650	<0.100	0.518	0.229
	12/28/00	3.970	0.003	0.392	0.254
	03/14/01	3.920	<0.020	0.483	0.157
	06/06/01	5.460	<0.005	0.695	6.988
	09/28/01	4.890	<0.005	0.498	0.297
	11/17/01	7.140	0.030	0.427	0.567
	03/26/02	2.460	<0.001	0.186	0.005



TABLE 3 (Continued)

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW-15	08/19/99	0.031	<0.001	0.001	<0.001
	12/08/99	<0.001	<0.001	<0.001	<0.001
	03/24/00	0.001	<0.001	<0.001	<0.001
	06/14/00	0.006	<0.001	<0.001	<0.001
	09/22/00	0.011	<0.001	0.002	<0.001
	12/28/00	0.028	<0.001	<0.001	<0.001
	03/14/01	0.023	<0.001	0.003	<0.001
	06/06/01	0.020	<0.001	<0.001	0.020
	09/28/01	0.008	<0.001	<0.001	<0.001
	11/17/01	0.040	<0.001	0.003	0.001
	03/26/02	0.006	<0.001	<0.001	<0.001
MW-16	08/19/99	0.065	0.004	0.002	<0.001
	12/08/99	0.055	0.025	0.005	0.007
	03/24/00	0.108	0.028	0.005	0.007
	06/14/00	0.017	0.002	<0.001	0.001
	09/22/00	0.036	0.003	<0.001	<0.001
	12/28/00	0.043	0.032	0.007	0.006
	03/14/01	0.057	0.036	0.015	0.008
	06/06/01	0.043	0.016	0.017	0.146
	09/28/01	0.044	0.027	0.012	0.007
	11/17/01	0.039	0.025	0.015	0.012
	03/26/02	0.021	0.004	0.004	0.002
MW-17	08/19/99	0.010	0.016	0.008	<0.001
	12/08/99	0.066	0.068	0.027	0.028
	03/24/00	0.055	0.063	0.023	0.024
	06/14/00	0.019	0.023	0.011	0.011
	09/22/00	0.058	0.059	0.029	0.020
	12/28/00	0.065	0.080	0.024	0.021
	03/14/01	0.045	0.057	0.023	0.019
	06/06/01	0.096	0.058	0.028	0.265
	09/28/01	0.064	0.090	0.050	0.043
	11/17/01	0.026	0.041	0.023	0.019
	03/26/02	0.012	0.022	0.012	0.011
MW-18	08/19/99	<0.001	<0.001	0.001	<0.001
	12/08/99	0.004	<0.001	0.002	<0.001
	03/24/00	<0.001	<0.001	<0.001	<0.001
	06/14/00	<0.001	<0.001	<0.001	<0.001
	09/22/00	0.002	<0.001	<0.001	<0.001
	12/28/00	0.007	<0.001	0.002	0.001
	03/14/01	<0.001	<0.001	<0.001	<0.001
	06/06/01	0.005	<0.001	<0.001	0.005
	09/28/01	0.001	<0.001	<0.001	<0.001
	11/17/01	0.003	<0.001	0.002	0.001
	03/26/02	0.004	<0.001	0.001	<0.001

TABLE 3 (Continued)

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW-19	08/19/99	<0.001	<0.001	<0.001	<0.001
	12/08/99	0.008	0.001	0.002	<0.001
	03/24/00	0.003	<0.001	<0.001	<0.001
	06/14/00	0.002	<0.001	<0.001	<0.001
	09/22/00	0.002	<0.001	<0.001	<0.001
	12/28/00	0.012	<0.001	0.002	<0.001
	03/14/01	0.008	<0.001	0.002	<0.001
	06/06/01	0.005	<0.001	<0.001	0.005
	09/28/01	0.001	<0.001	0.003	<0.001
	11/17/01	0.005	<0.001	0.003	0.001
	03/26/02	0.013	<0.001	0.004	<0.001
MW-20	08/20/99	0.002	<0.001	<0.001	<0.001
	12/08/99	0.005	<0.001	0.002	<0.001
	03/24/00	<0.001	<0.001	<0.001	<0.001
	06/14/00	<0.001	<0.001	<0.001	<0.001
	09/22/00	0.002	<0.001	0.001	<0.001
	12/28/00	0.005	<0.001	<0.001	<0.001
	03/14/01	<0.001	<0.001	<0.001	<0.001
	06/06/01	<0.001	<0.001	<0.001	<0.001
	09/28/01	0.004	<0.001	0.003	<0.001
	11/17/01	0.007	<0.001	0.003	0.001
	03/26/02	0.003	<0.001	0.002	<0.001
MW-21	08/20/99	0.701	<0.01	<0.01	<0.01
	12/08/99	0.052	<0.001	<0.001	<0.001
	03/24/00	0.002	<0.001	<0.001	<0.001
	06/14/00	0.002	<0.001	<0.001	<0.001
	09/22/00	0.002	<0.001	0.001	<0.001
	12/28/00	<0.001	<0.001	<0.001	<0.001
	03/14/01	<0.001	<0.001	<0.001	<0.001
	06/06/01	<0.005	<0.005	<0.005	<0.005
	09/28/01	0.003	<0.001	0.003	<0.001
	11/17/01	0.014	<0.001	0.006	0.002
	03/26/02	0.004	<0.001	0.003	<0.001
MW-22	08/19/99	<0.001	<0.001	<0.001	<0.001
	12/08/99	<0.001	<0.001	<0.001	<0.001
	03/24/00	<0.001	<0.001	<0.001	<0.001
	06/14/00	<0.001	<0.001	<0.001	<0.001
	09/22/00	<0.001	<0.001	<0.001	<0.001
	12/08/00	<0.001	<0.001	<0.001	<0.001
	03/14/01	0.008	<0.001	0.004	<0.001
	06/06/01	0.005	<0.001	<0.001	0.005
	09/28/01	0.006	<0.001	0.003	<0.001
	11/17/01	0.007	<0.001	0.004	0.001
	03/26/02	0.002	<0.001	<0.001	<0.001

TABLE 3 (Continued)

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW-23	08/19/99	<0.001	<0.001	<0.001	<0.001
	12/08/99	0.002	<0.001	<0.001	<0.001
	03/24/00	<0.001	<0.001	<0.001	<0.001
	06/14/00	0.007	<0.001	<0.001	<0.001
	09/22/00	<0.001	<0.001	<0.001	<0.001
	12/28/00	0.001	<0.001	<0.001	<0.001
	03/14/01	<0.001	<0.001	<0.001	<0.001
	06/06/01	0.006	<0.001	<0.001	<0.001
	09/28/01	<0.001	<0.001	<0.001	<0.001
	11/17/01	0.004	<0.001	0.002	<0.001
	03/26/02	0.003	<0.001	<0.001	<0.001
	08/19/99	2.290	<0.001	0.023	<0.001
MW-24	12/08/99	0.839	0.007	0.002	0.008
	03/24/00	0.762	<0.010	<0.010	<0.010
	06/14/00	0.887	0.013	0.004	0.006
	09/22/00	0.663	0.012	0.004	0.005
	12/28/00	1.380	<0.010	<0.010	<0.010
	03/14/01	1.810	0.045	0.019	0.012
	06/06/01	0.909	<0.001	<0.001	0.909
	09/28/01	1.470	0.024	0.015	0.013
	11/17/01	0.986	0.004	0.011	0.005
	03/26/02	0.839	0.002	0.005	0.002
	08/19/99	<0.001	<0.001	<0.001	<0.001
	12/08/99	<0.001	<0.001	<0.001	<0.001
MW-25	03/24/00	<0.001	<0.001	<0.001	<0.001
	06/14/00	0.002	<0.001	<0.001	<0.001
	09/22/00	<0.001	<0.001	<0.001	<0.001
	12/28/00	<0.001	<0.001	<0.001	<0.001
	03/14/01	<0.001	<0.001	<0.001	<0.001
	06/06/01	0.004	<0.001	<0.001	0.005
	09/28/01	<0.001	<0.001	<0.001	<0.001
	11/17/01	0.006	<0.001	0.003	<0.001
	03/26/02	0.005	<0.001	<0.001	<0.001
	09/22/00	0.021	0.041	0.008	0.019
	12/28/00	0.386	0.130	0.040	0.039
	03/14/01	0.731	0.267	0.160	0.106
MW - 26	06/06/01	1.010	0.263	0.179	1.864
	09/28/01	1.700	0.469	0.441	0.285
	11/17/01	1.600	0.534	0.417	0.321
	03/26/02	1.690	0.547	0.361	0.086

TABLE 3 (Continued)

All Concentrations are mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
MW - 27	09/22/00	<0.001	<0.001	<0.001	<0.001
	12/28/00	0.003	0.004	0.002	<0.001
	03/14/01	<0.001	0.002	<0.001	<0.001
	06/06/01	0.005	<0.001	<0.001	<0.001
	09/28/01	0.001	0.002	0.014	<0.001
	11/17/01	0.001	0.001	0.001	<0.001
	03/26/02	0.004	0.003	0.002	0.001
MW - 28	09/22/00	1.580	0.059	0.374	0.216
	12/28/00	4.080	0.073	0.469	0.053
	03/14/01	2.730	0.018	0.212	0.045
	06/06/01	2.060	0.064	0.121	2.612
	09/28/01	2.250	0.027	0.094	0.056
	11/17/01	1.490	0.035	0.104	0.077
	03/26/02	2.130	0.073	0.226	0.042
MW - 29	03/26/02	2.340	0.002	0.102	0.017
MW - 30	03/26/02	<0.001	<0.001	<0.001	<0.001
MW - 31	03/26/02	0.002	0.001	<0.001	<0.001

**SPS-11**

LEA COUNTY, NM  
ETGI PROJECT # EO 2022

**All water concentrations are in mg/L**

SAMPLE LOCATION	SAMPLE DATE	SAMPLE TYPE	EPA SW846-8270C, 3510														
			Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[a]pyrene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Benzo[a]anthracene	Dibenz[a,h]anthracene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Analyt	Reporting Limit		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
MW - 1	8/20/1999	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 2	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 3	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 4	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 6	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 7	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 9	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 10	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 11	08/20/09	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 12	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 13	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 14	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 15	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 16	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 17	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 18	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 19	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 20	08/20/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 21	08/20/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 22	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 23	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 24	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
MW - 25	08/19/99	WATER	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	

TABLE 3 (Continued)

## CONCENTRATIONS OF METALS IN GROUNDWATER

EOTT ENERGY CORP.  
SPS-11  
LEA COUNTY, NM  
ETGI Project # EO 2022

All water concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SAMPLE TYPE	Aluminum	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Tin	Vanadium	Zinc
MW-1	08/20/99	WATER	0.157	0.061	1.030	<0.0040	0.257	<0.0010	112.000	<0.005	<0.0200	<0.0100	7.750	<0.0030	49.100	0.330	<0.00020	<0.050	<0.0100	2.420	<0.0050	<0.0050	40.600	0.918	<0.0500	<0.0200	<0.0200
MW-2	08/19/99	WATER	0.141	0.014	0.018	<0.0040	0.113	<0.0010	114.000	<0.005	<0.0200	<0.0100	0.266	<0.0030	18.300	<0.0150	<0.00020	<0.050	<0.0100	3.260	<0.0050	<0.0050	25.800	0.673	<0.0500	0.022	<0.0200
MW-3	08/19/99	WATER	0.160	0.007	0.010	<0.0040	0.087	<0.0010	65.200	<0.005	<0.0200	<0.0100	0.145	<0.0030	8.720	<0.0150	<0.00020	<0.050	<0.0100	3.020	<0.0050	<0.0050	38.700	0.421	<0.0500	0.031	<0.0200
MW-4	08/19/99	WATER	0.170	0.012	0.105	<0.0040	0.103	<0.0010	70.200	<0.005	<0.0200	<0.0100	0.219	<0.0030	9.860	<0.0150	<0.00020	<0.050	<0.0100	2.890	<0.0050	<0.0050	29.400	0.456	<0.0500	0.049	<0.0200
MW-6	08/19/99	WATER	0.184	0.006	0.164	<0.0040	0.152	<0.0010	117.000	<0.005	<0.0200	<0.0100	0.277	<0.0030	16.500	<0.0150	<0.00020	<0.050	<0.0100	4.120	<0.0050	<0.0050	36.000	0.766	<0.0500	<0.0200	<0.0200
MW-7	08/19/99	WATER	0.150	0.027	1.020	<0.0040	0.121	<0.0010	117.000	<0.005	<0.0200	<0.0100	3.990	<0.0030	44.300	0.327	<0.00020	<0.050	<0.0100	2.350	<0.0050	<0.0050	19.200	0.989	<0.0500	<0.0200	<0.0200
MW-9	08/19/99	WATER	1.140	0.039	0.560	<0.0040	0.187	<0.0010	142.000	<0.005	<0.0200	<0.0100	18.300	<0.0030	37.200	0.434	<0.00020	<0.050	<0.0100	3.520	<0.0050	<0.0050	44.200	0.997	<0.0500	<0.0200	<0.0200
MW-10	08/19/99	WATER	1.820	0.052	<0.0040	0.127	<0.0010	223.000	<0.005	<0.0200	<0.0100	2.470	<0.0030	25.000	0.232	<0.00020	<0.050	<0.0100	3.580	<0.0050	<0.0050	25.100	1.120	<0.0500	<0.0200	<0.0200	
MW-11	08/19/99	WATER	0.519	0.027	0.172	<0.0040	0.170	<0.0010	203.000	<0.005	<0.0200	<0.0100	0.648	<0.0030	18.300	0.114	<0.00020	<0.050	<0.0100	4.040	<0.0050	<0.0050	39.000	0.833	<0.0500	<0.0200	<0.0200
MW-12	08/19/99	WATER	0.700	0.027	0.238	<0.0040	0.169	<0.0010	167.000	<0.005	<0.0200	<0.0100	0.632	<0.0030	23.200	0.033	<0.00020	<0.050	<0.0100	4.620	<0.0050	<0.0050	40.100	0.983	<0.0500	<0.0200	<0.0200
MW-13	08/19/99	WATER	0.708	0.008	0.135	<0.0040	0.141	<0.0010	112.000	<0.005	<0.0200	<0.0100	0.605	<0.0030	11.500	<0.0150	<0.00020	<0.050	<0.0100	3.150	<0.0050	<0.0050	31.500	0.540	<0.0500	0.037	<0.0200
MW-14	08/19/99	WATER	0.862	0.056	0.730	<0.0040	0.388	<0.0010	198.000	<0.005	<0.0200	<0.0100	4.070	<0.0030	57.600	0.443	<0.00020	<0.050	<0.0100	4.140	<0.0050	<0.0050	80.400	0.443	<0.0500	<0.0200	<0.0200
MW-15	08/19/99	WATER	1.380	0.005	0.118	<0.0040	0.192	<0.0010	157.000	<0.005	<0.0200	<0.0100	0.937	<0.0030	18.500	<0.0150	<0.00020	<0.050	<0.0100	4.750	<0.0050	<0.0050	50.900	0.789	<0.0500	<0.0200	<0.0200
MW-16	08/19/99	WATER	2.440	0.009	0.259	<0.0040	0.159	<0.0010	198.000	<0.005	<0.0200	<0.0100	2.210	<0.0030	21.400	0.041	<0.00020	<0.050	<0.0100	5.300	<0.0050	<0.0050	44.600	0.915	<0.0500	0.034	<0.0200
MW-17	08/19/99	WATER	1.620	0.010	0.213	<0.0040	0.142	<0.0010	235.000	<0.005	<0.0200	<0.0100	1.170	<0.0030	18.650	0.027	<0.00020	<0.050	<0.0100	4.410	<0.0050	<0.0050	36.100	0.802	<0.0500	0.029	<0.0200
MW-18	08/19/99	WATER	0.467	<0.0050	0.176	<0.0040	0.120	<0.0010	140.000	<0.005	<0.0200	<0.0100	0.409	<0.0030	18.700	<0.0150	<0.00020	<0.050	<0.0100	4.190	<0.0050	<0.0050	29.600	0.881	<0.0500	<0.0200	<0.0200
MW-19	08/19/99	WATER	1.850	0.006	0.162	<0.0040	0.115	<0.0010	173.000	<0.005	<0.0200	<0.0100	1.150	<0.0030	15.900	0.018	<0.00020	<0.050	<0.0100	3.780	<0.0050	<0.0050	32.300	0.648	<0.0500	0.035	<0.0200
MW-20	08/20/99	WATER	0.604	0.006	0.130	<0.0040	0.164	<0.0010	261.000	<0.005	<0.0200	<0.0100	0.281	<0.0030	16.100	0.031	<0.00020	<0.050	<0.0100	4.520	<0.0050	<0.0050	44.400	0.839	<0.0500	0.028	<0.0200
MW-21	08/20/99	WATER	11.100	0.009	0.335	<0.0040	0.143	<0.0010	713.400	<0.005	<0.0200	<0.0100	7.060	<0.0030	40.400	0.115	<0.00020	<0.050	<0.0100	9.350	<0.0050	<0.0050	43.700	1.710	<0.0500	0.098	<0.0200
MW-22	08/19/99	WATER	3.000	0.011	0.369	<0.0040	0.130	<0.0010	268.000	<0.005	<0.0200	<0.0100	1.760	<0.0030	13.200	0.310	<0.00020	<0.050	<0.0100	4.240	<0.0050	<0.0050	34.000	0.645	<0.0500	0.065	<0.0200
MW-23	08/19/99	WATER	3.140	0.008	0.267	<0.0040	0.136	<0.0010	147.000	<0.005	<0.0200	<0.0100	1.820	<0.0030	15.700	0.032	<0.00020	<0.050	<0.0100	3.790	<0.0050	<0.0050	41.700	0.575	<0.0500	0.038	<0.0200
MW-24	08/19/99	WATER	4.860	0.023	0.378	<0.0040	0.155	<0.0010	292.000	<0.005	<0.0200	<0.0100	3.520	<0.0030	32.300	0.114	<0.00020	<0.050	<0.0100	5.520	<0.0050	<0.0050	51.400	1.130	<0.0500	0.045	<0.0200
MW-25	08/19/99	WATER	0.206	0.008	0.119	<0.0040	0.129	<0.0010	107.000	<0.005	<0.0200	<0.0100	0.091	<0.0030	13.500	<0.0150	<0.00020	<0.050	<0.0100	3.310	<0.0050	<0.0050	40.200	0.622	<0.0500	<0.0200	<0.0200

## FIGURES

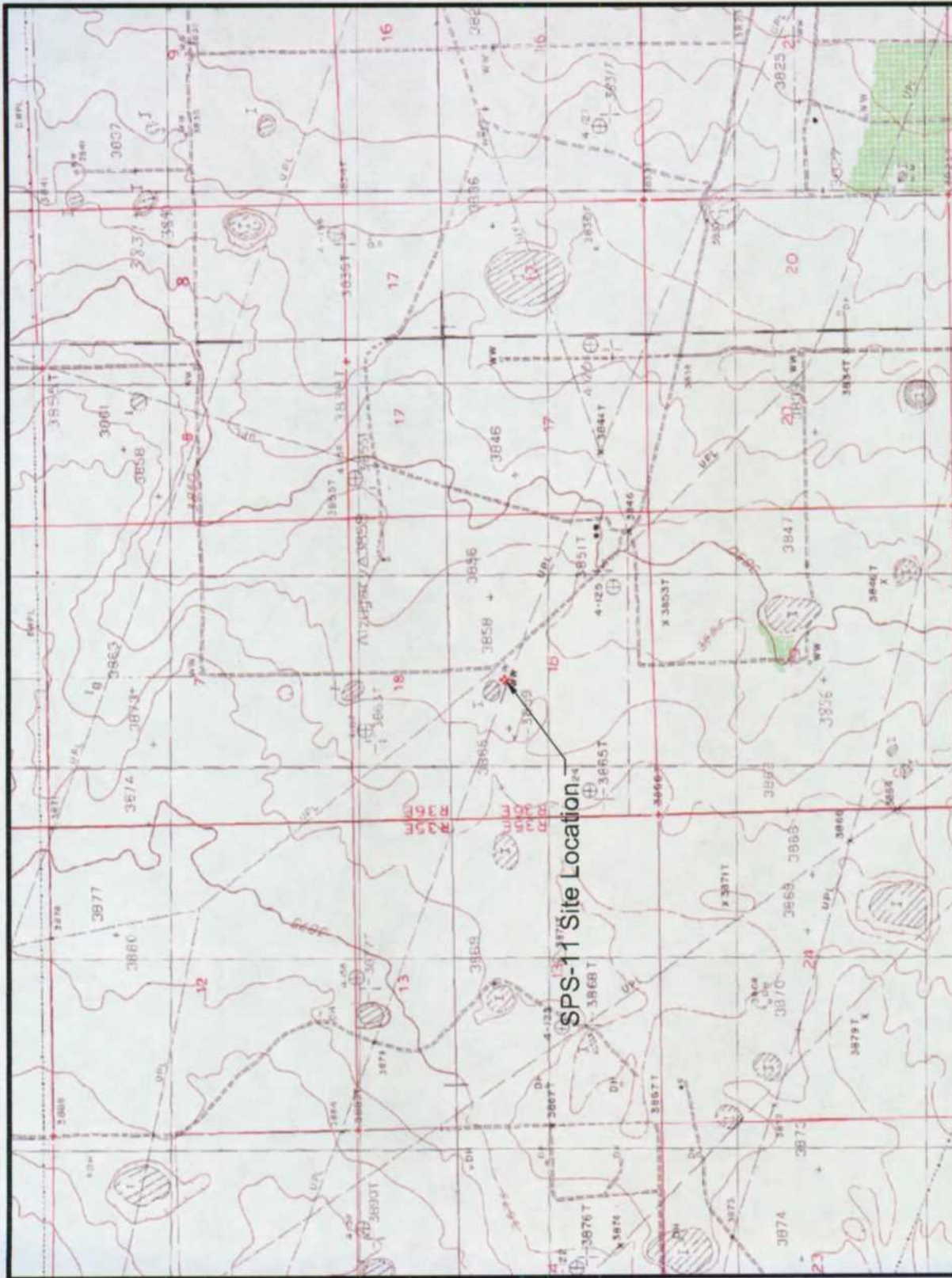


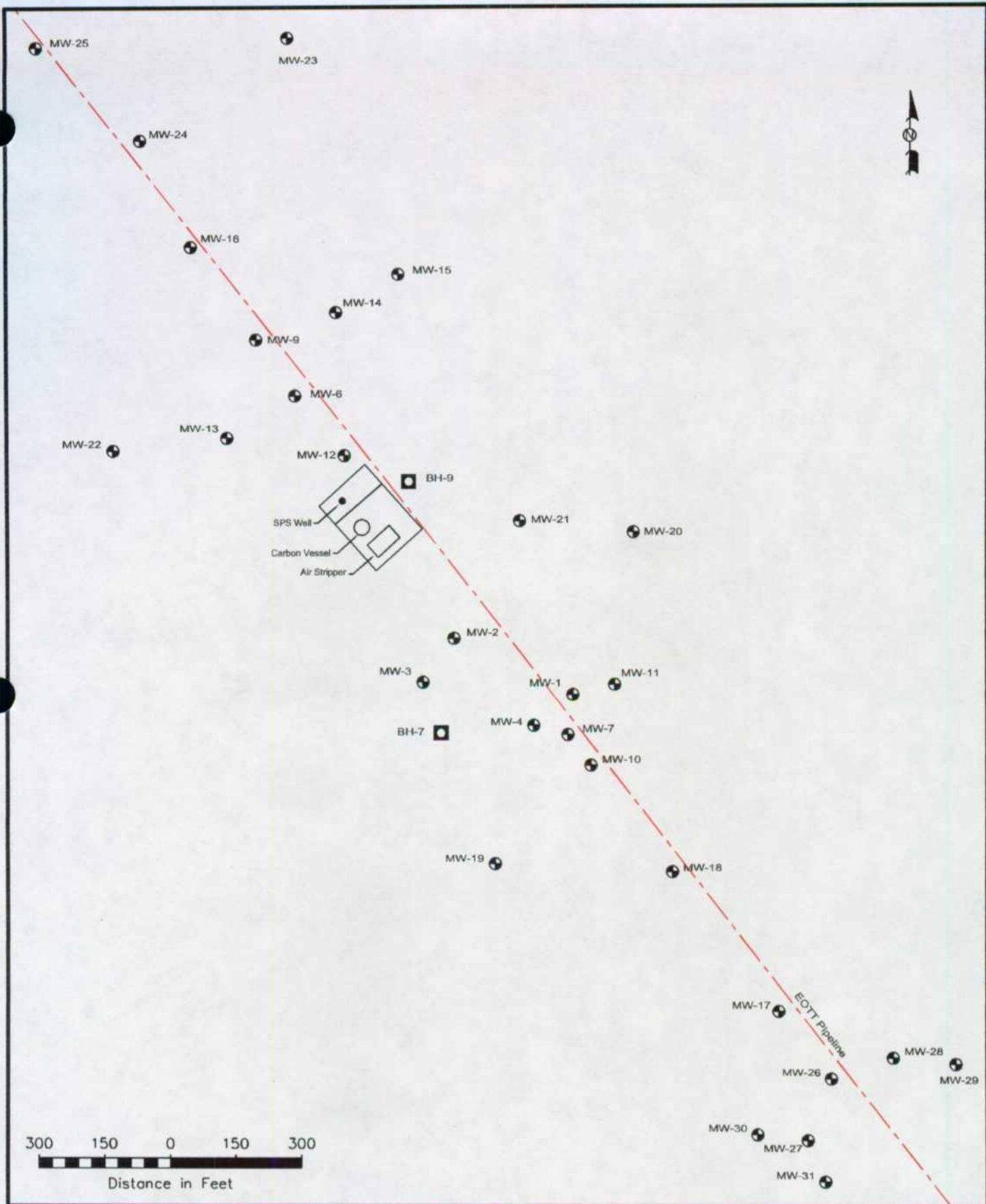
Figure 1  
Site Location Map

EOTT Energy Pipeline, LPT  
SPS-11  
Lea County, NM

Environmental Technology  
Group, Inc.

Scale: NTS	Prep By: JCU	Checked By: CR
February 18, 2002	NHN14 SE14 Sec 18 T18S R9E	
ETGI Project # E00022	Lat. 32° 44' 50.3" Long. W103° 22' 34.5"	





#### LEGEND:

- Monitoring Well Location
- Soil Boring Location

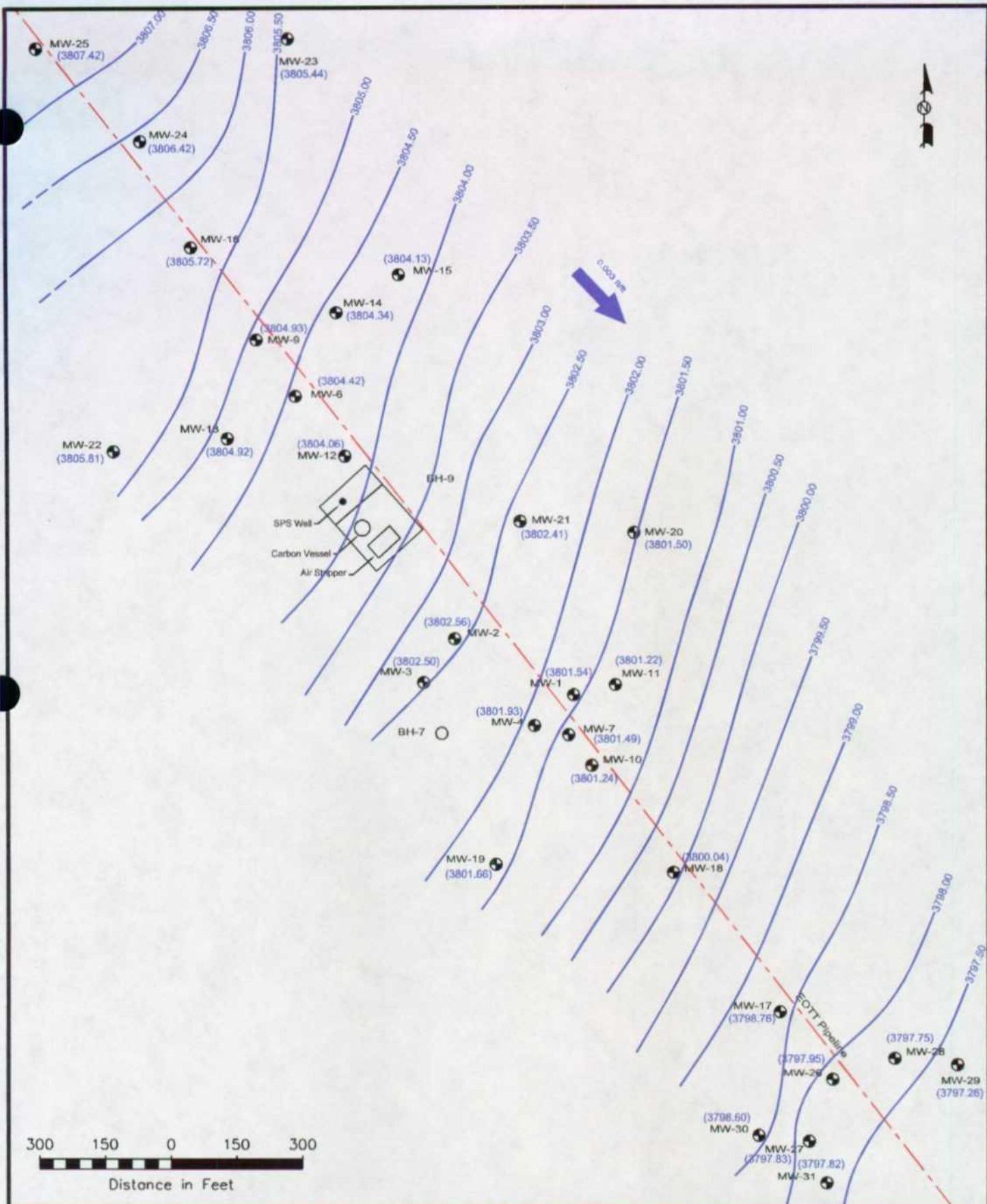
Figure 2  
Site Map

EOTT Energy Corp.  
TNM SPS-11  
Lea County, NM



Environmental Technology  
Group, Inc.

Scale: 1" = 300'	Drawn By: JDJ	Prepared By: RE
May 15, 2002	NW1/4 SE1/4 Sec 18 T18S R36E	
ETGI Project #: EO2022		Lat. N32° 44' 50.3" Long. W103° 23' 36.5"



**LEGEND:**

- Monitoring Well Location
- Soil Boring Location
- (3798.60) Groundwater Elevation in Feet
- Groundwater Gradient Contour Line

Figure 3  
Inferred Groundwater  
Gradient Map (3/26/02)

EOTT Energy Corp.  
TNM SPS-11  
Lea County, NM



**Environmental Technology Group, Inc.**

Scale: 1" = 300'	Drawn By: JDJ	Prepared By: RE
July 2, 2002	NW1/4 SE1/4 Sec 18 T18S R36E	
ETGI Project #: EO2022		Lat. N32° 44' 50.3" Long. W103° 23' 36.5"



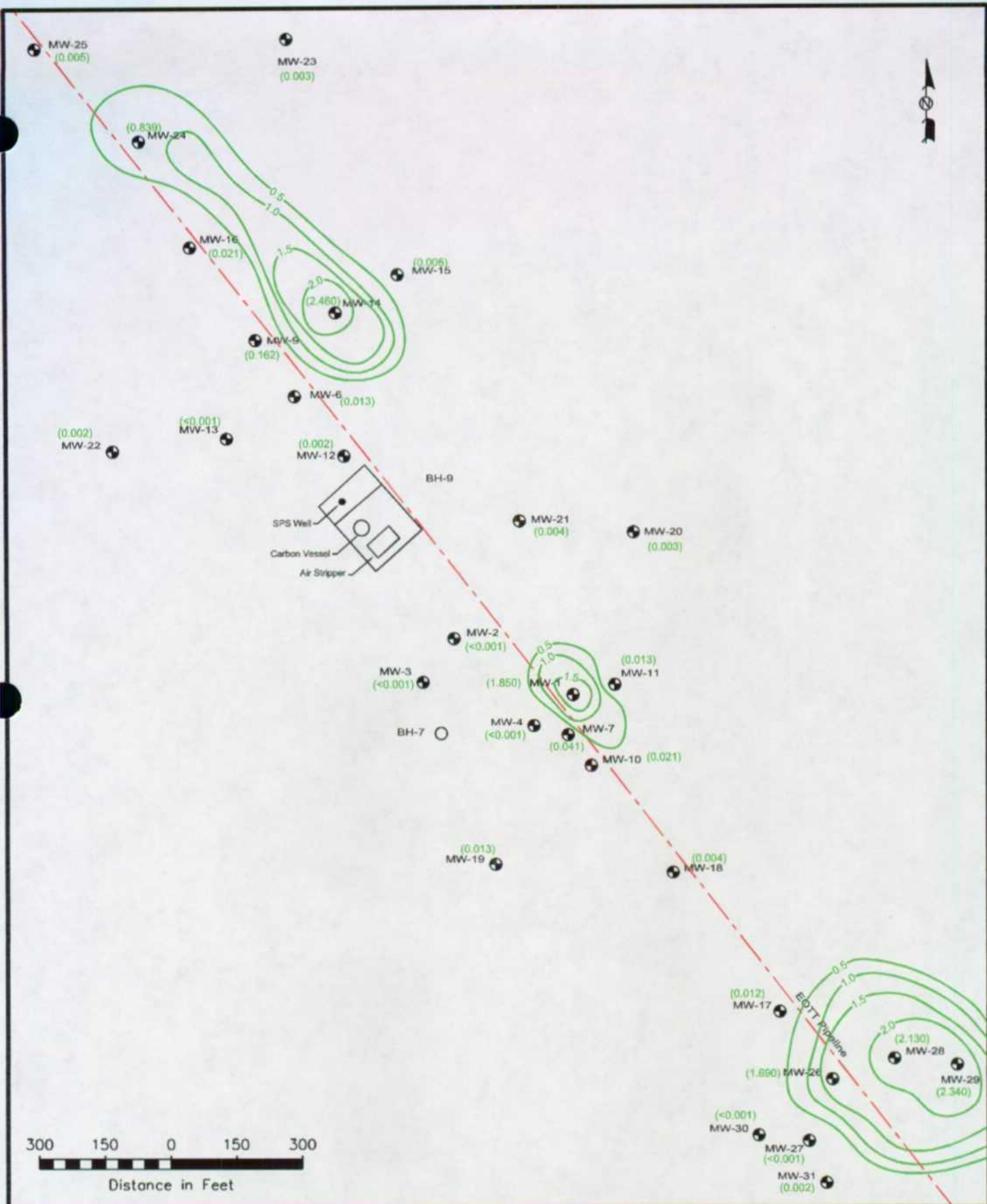
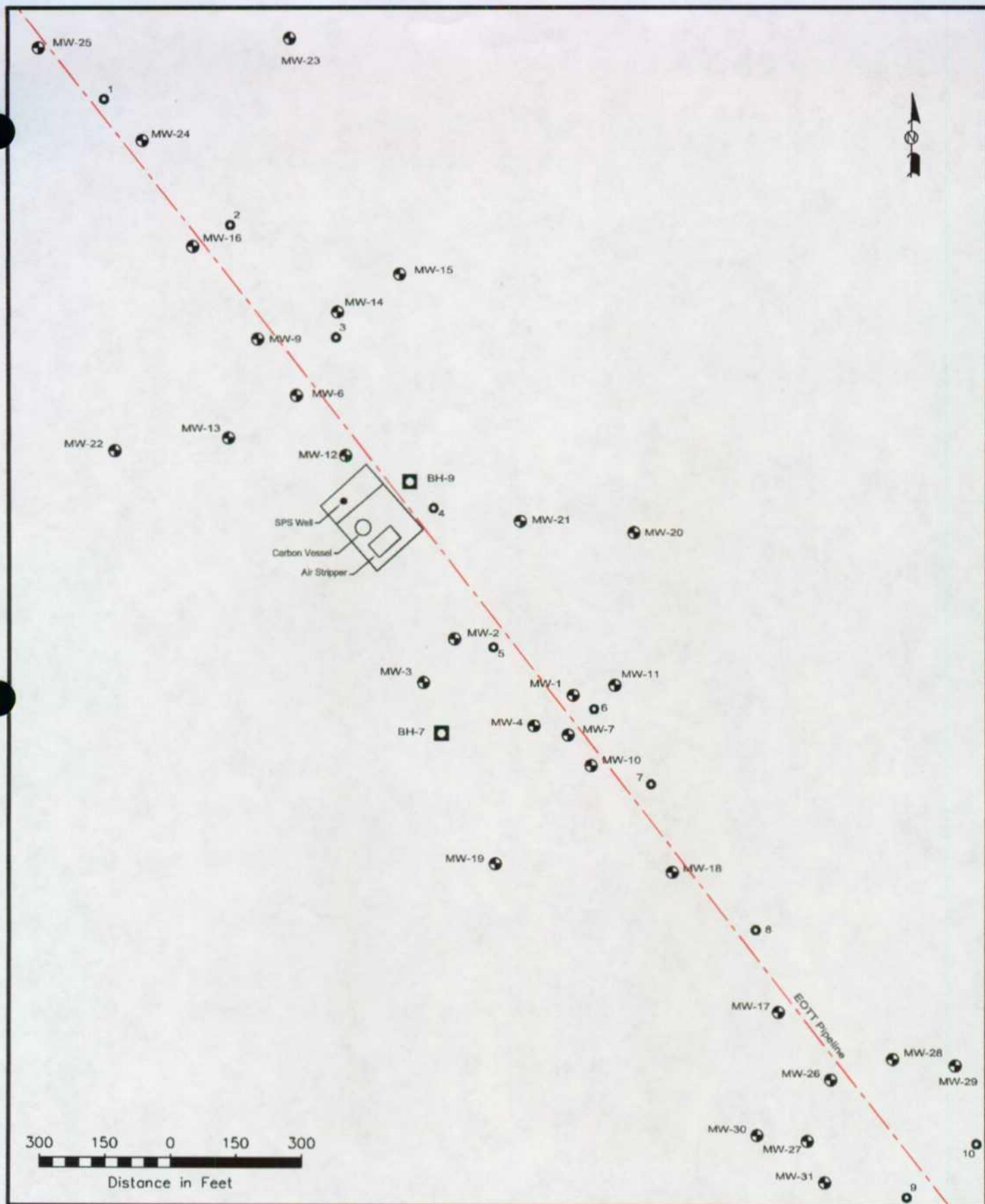


Figure 4  
Benzene Concentration in Groundwater Isopleth Map (3/26/02 Data)  
EOTT Energy Corp.  
TNM SPS-11  
Lea County, NM



Environmental Technology Group, Inc.

Scale: 1" = 300'	Drawn By: JDJ	Prepared By: RE
May 15, 2002	NW1/4 SE1/4 Sec 18 T18S R36E	
ETGI Project #: EO2022		Lat. N32° 44' 50.3" Long. W103° 23' 38.5"



#### LEGEND:

- Monitoring Well Location
- Soil Boring Location
- Proposed Soil Boring Location

Figure 5  
Proposed Soil  
Boring Location Map  
EOTT Energy Corp.  
TNM SPS-11  
Lea County, NM



Environmental Technology  
Group, Inc.

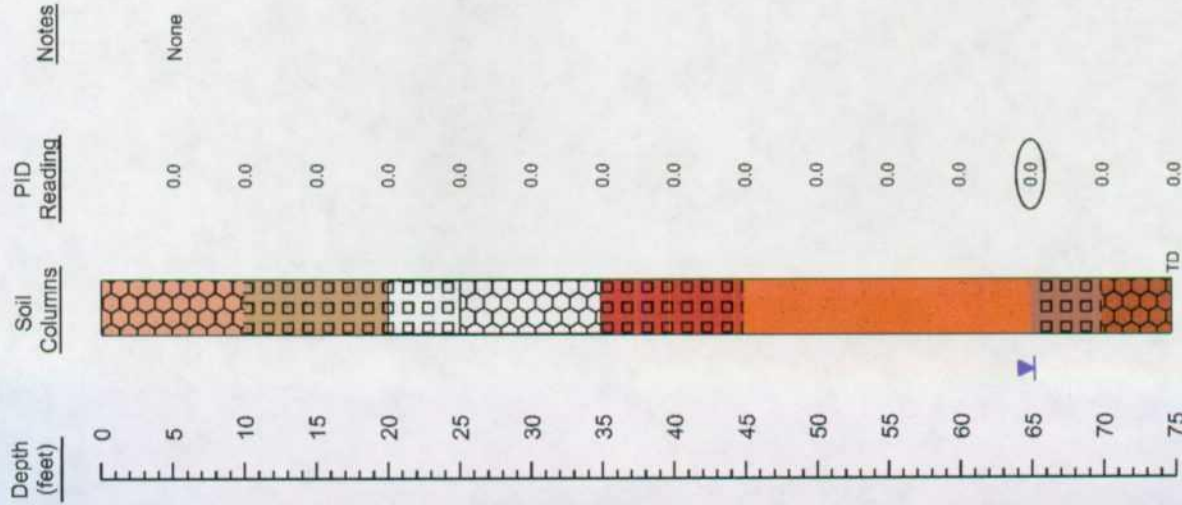
Scale: 1" = 300'	Drawn By: JDJ	Prepared By: RE
May 15, 2002	NW1/4 SE1/4 Sec 18 T18S R36E	
ETGI Project #: EO2022	Lat. N32° 44' 50.3" Long. W103° 23' 36.5"	

## APPENDICES

**APPENDIX A**  
**SOIL BORING LOGS**

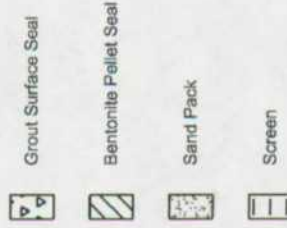


# Monitor Well MW - 29



## Monitor Well Details

Date Drilled	12 - 05 - 01
Thickness of Bentonite Seal	3 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	75 ft
Depth of Exploratory Well	75 ft



## Legend



Indicates the groundwater level encountered while drilling.

Indicates samples selected for Laboratory Analysis.

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

## Completion Notes

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

## Boring Log And Monitoring Well Details

### Monitor Well MW - 29

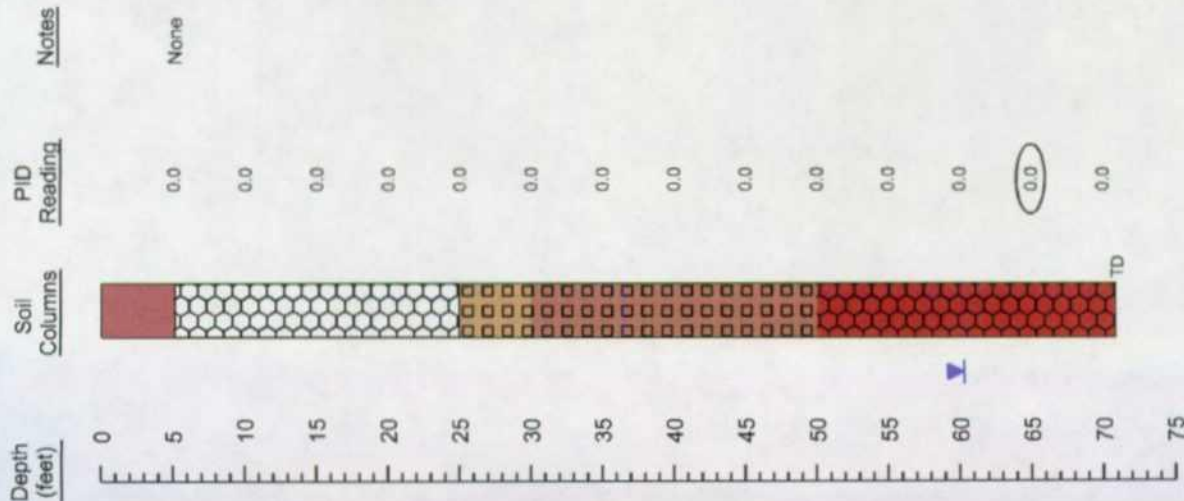
EOTT Energy Corp. TNM SPS-11 Lea County, NM



Environmental Technology Group, Inc.

Scale: Use Scale	Prep By: SLB	Logged By: CR	Checked By: RE
January 9, 2002	ETGI Project #	EO2022	

# Monitor Well MW - 30

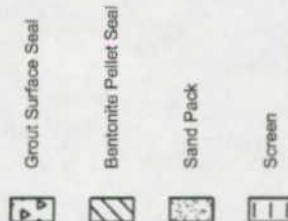


## Legend



## Monitor Well Details

Data Drilled	12 - 06 - 01
Thickness of Bentonite Seal	3 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	71 ft
Depth of Exploratory Well	71 ft



**Y** Indicates the groundwater level encountered while drilling.

**O** Indicates samples selected for Laboratory Analysis.

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

## Completion Notes

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

## Boring Log And Monitoring Well Details

### Monitor Well MW - 30



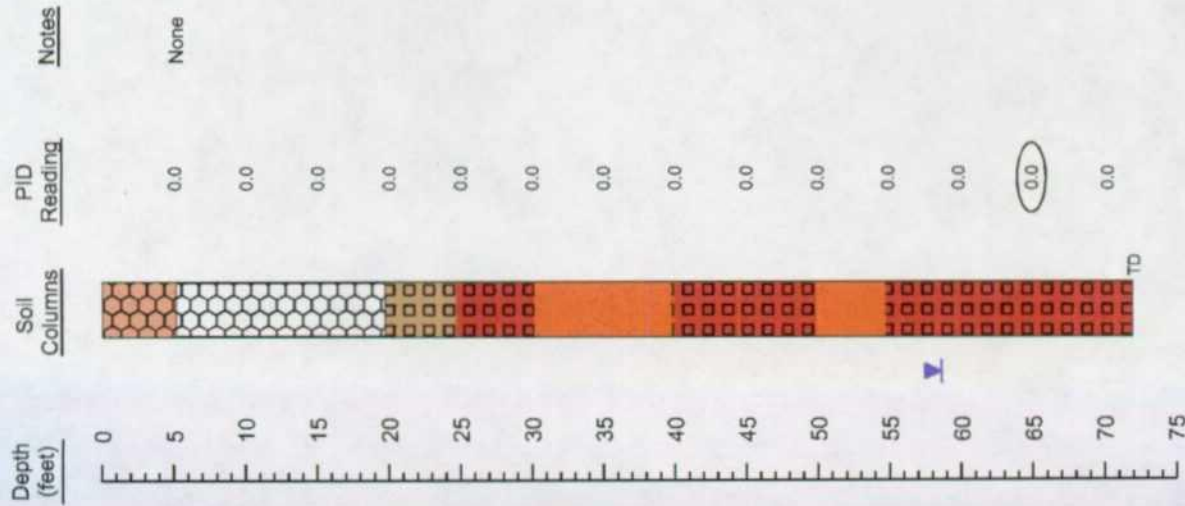
Environmental Technology  
Group, Inc.

EOTT Energy Corp. TNM SPS-11 Lea County, NM

Scale: Use Scale	Prep By: SLB	Logged By: CR	Checked By: RE
January 8, 2002	ETGI Project #: EQ2022		



# Monitor Well MW - 31



## Legend

- Very fine grained and well sorted tan sand, imbedded with caliche nodules
- Caliche layer
- Very fine grained, tan sand
- Very fine grained, reddish brown sand, poorly sorted
- Very fine grained and well sorted, reddish brown sand
- Very fine grained, reddish brown sand poorly sorted
- Very fine grained and well sorted reddish brown sand
- Very fine grained, reddish brown sand poorly sorted

Indicates the groundwater level encountered while drilling.

Indicates samples selected for Laboratory Analysis.

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

## Completion Notes

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

## Boring Log And Monitoring Well Details

### Monitor Well MW - 31

Environmental Technology Group, Inc.



EOTT Energy Corp. TNM SPS-11 Lea County, NM

Scale: Use Scale	Prep By: SLB	Logged By: CR	Checked By: RE
January 9, 2002	ETGI Project #	EO20022	

**APPENDIX B**  
**LABORATORY REPORTS**

# ENVIRONMENTAL LAB OF , Inc.

"Don't Treat Your Soil Like Dirt!"

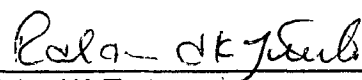
ENVIRONMENTAL TECHNOLOGY GROUP, INC.  
ATTN: MR. JESSE TAYLOR  
P.O. BOX 4845  
MIDLAND, TEXAS 79704  
FAX: 915-520-4310

Sample Type: Water  
Sample Condition: Intact/Iced/HCl  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Analysis Date: 08/20/99

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
19308	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
19309	MW-3	<0.001	<0.001	<0.001	<0.001	<0.001
19310	MW-4	0.009	<0.001	0.002	<0.001	<0.001
19311	MW-6	0.009	<0.001	<0.001	<0.001	<0.001
19312	MW-7	0.039	0.008	0.018	0.005	0.004
19313	MW-9	0.725	0.163	0.365	0.252	0.104
19314	MW-10	0.040	0.007	0.006	0.006	0.003
19315	MW-12	0.434	0.006	0.054	0.026	0.003
19316	MW-13	<0.001	<0.001	<0.001	0.001	<0.001
19317	MW-14	8.03	0.210	1.31	0.680	0.364
19318	MW-15	0.031	<0.001	0.001	<0.001	<0.001
19319	MW-16	0.065	0.004	0.002	0.002	<0.001
19320	MW-17	0.010	0.016	0.008	<0.001	0.004
19321	MW-18	<0.001	<0.001	0.001	<0.001	<0.001
19322	MW-19	<0.001	<0.001	<0.001	<0.001	<0.001
19323	MW-22	<0.001	<0.001	<0.001	<0.001	<0.001
19324	MW-23	<0.001	<0.001	<0.001	<0.001	<0.001
19325	MW-24	2.29	<0.001	0.023	0.010	<0.001
19326	MW-25	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		89	86	86	84	85
% EA		88	85	85	83	84
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020.5030

  
Raland K. Tuttle

9-3-99  
Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

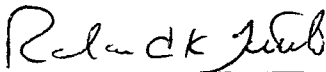
ENVIRONMENTAL TECHNOLOGY GROUP, INC.  
ATTN: JESSE TAYLOR  
P.O. BOX 4845  
MIDLAND, TEXAS 79704  
FAX: 915-520-4310

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Analysis Date: 08/21/99

ELT#	FIELD CODE	Nitrates mg/L
19308	MW-2	0.2
19309	MW-3	0.3
19310	MW-4	1.0
19311	MW-6	0.2
19312	MW-7	0.5
19313	MW-9	0.5
19314	MW-10	<0.1
19315	MW-12	<0.1
19316	MW-13	0.8
19317	MW-14	0.5
19318	MW-15	0.1
19319	MW-16	<0.1
19320	MW-17	<0.1
19321	MW-18	<0.1
19322	MW-19	0.7
19323	MW-22	0.9
19324	MW-23	2.0
19325	MW-24	<0.1
19326	MW-25	<0.1
	QUALITY CONTROL	8.6
	TRUE VALUE	10.0
	% PRECISION	86
	BLANK	<0.1

Methods: EPA 353.2

  
Raland K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-2

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

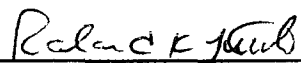
EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19308	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 60  
2-Fluorobiphenyl SURR 61  
Terphenyl-d14 SURR 30

ND= NOT DETECTED

Method: EPA SW 846 8270C . 3510

  
Ralanda K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-3

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19309	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132


#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

66  
71  
51

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Ralanda K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-4

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19310	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 50  
2-Fluorobiphenyl SURR 49  
Terphenyl-d14 SURR 11

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Raland K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-6

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

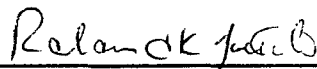
EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19311	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 61  
2-Fluorobiphenyl SURR 57  
Terphenyl-d14 SURR 17

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

  
Randal K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-7

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19312	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

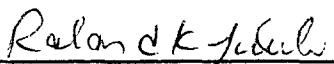
#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

64  
58  
30

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Raland K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-9

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

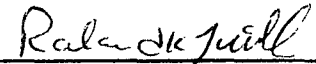
EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19313	RPD	%EA	%IA
Naphthalene	0.005	0.015			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 69  
2-Fluorobiphenyl SURR 62  
Terphenyl-d14 SURR 15

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

  
Ralanda K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-10

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

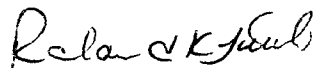
EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19314	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 54  
2-Fluorobiphenyl SURR 54  
Terphenyl-d14 SURR 45

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Raland K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-12

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19315	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

70  
68  
21

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Randal K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-13

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

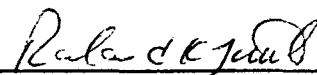
EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19316	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 61  
2-Fluorobiphenyl SURR 61  
Terphenyl-d14 SURR 30

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

  
Randal K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-14

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19317	RPD	%EA	%IA
Naphthalene	0.005	0.062			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

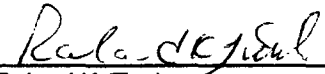
#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

75  
64  
15

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Randal K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-15

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19318	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR	64
2-Fluorobiphenyl SURR	64
Terphenyl-d14 SURR	29

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Raland K. Tuttle

9-3-99  
Date

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FAX: 915-520-4310

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-16

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19319	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

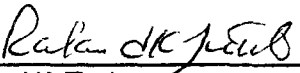
#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

66  
61  
26

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
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MIDLAND, TEXAS 79704  
FAX: 915-520-4310

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-17

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

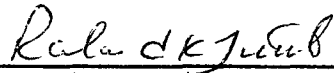
EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19320	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 64  
2-Fluorobiphenyl SURR 63  
Terphenyl-d14 SURR 17

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
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FAX: 915-520-4310

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-18

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19321	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 68  
2-Fluorobiphenyl SURR 68  
Terphenyl-d14 SURR 11

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

  
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FAX: 915-520-4310

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-19

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19322	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

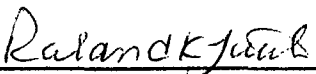
#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

70  
71  
38

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

  
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FAX: 915-520-4310

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-22

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19323	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

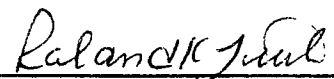
#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

62  
65  
41

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
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FAX: 915-520-4310

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-23

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/26/99  
Analysis Date: 08/29/99

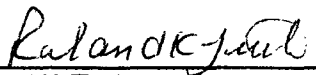
EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19324	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 69  
2-Fluorobiphenyl SURR 70  
Terphenyl-d14 SURR 18

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
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Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-24

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/26/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19325	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

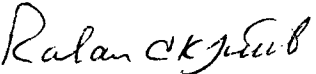
#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

87  
79  
38

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

  
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MIDLAND, TEXAS 79704  
FAX: 915-520-4310

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-25

Sampling Date: 08/19/99  
Receiving Date: 08/19/99  
Extraction Date: 08/26/99  
Analysis Date: 08/29/99

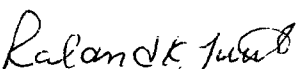
EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19326	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 65  
2-Fluorobiphenyl SURR 67  
Terphenyl-d14 SURR 53

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
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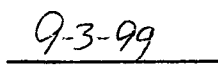
Sample Type: Water  
Sample Condition: Intact/Iced/HCl  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sample Date: 08/19/99  
Receiving Date: 08/19/99  
Analysis Date: 08/31/99  
Analysis Date: Hg 8/26/99

Analyte (mg/L)	MW-2 19308	MW-3 19309	MW-4 19310	MW-6 19311	MW-7 19312	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	0.1410	0.1600	0.1700	0.1840	0.1500	0.0500	110	102	<0.0500	0.45
Arsenic	0.0140	0.0070	0.0120	0.0060	0.0270	0.0050	102	102	<0.0050	2.64
Barium	0.1760	0.1000	0.1050	0.1640	1.020	0.0100	104	100	<0.0100	0.98
Beryllium	ND	ND	ND	ND	ND	0.0040	97	98	<0.0040	2.02
Cadmium	ND	ND	ND	ND	ND	0.0010	96	90	<0.0010	2.20
Calcium	114.0	65.20	70.20	117.0	117.0	1.000	103	*	<1.000	1.75
Chromium	ND	ND	ND	ND	ND	0.0050	96	92	<0.0050	0.54
Cobalt	ND	ND	ND	ND	ND	0.0200	102	93	<0.0200	0.43
Copper	ND	ND	ND	ND	ND	0.0100	101	102	<0.0100	0.78
Iron	0.2660	0.1450	0.2190	0.2770	3.990	0.0500	106	*	<0.0500	1.46
Lead	ND	ND	ND	ND	ND	0.0030	99	92	<0.0030	2.15
Magnesium	18.30	8.220	9.860	16.50	44.30	1.000	104	*	<1.000	1.61
Manganese	ND	ND	ND	ND	0.3270	0.0150	97	92	<0.0150	1.13
Mercury	ND	ND	ND	ND	ND	0.00020	93	103	<0.00020	15.25
Molybdenum	ND	ND	ND	ND	ND	0.050	98	93	<0.050	1.71
Nickel	ND	ND	ND	ND	ND	0.0100	98	91	<0.0100	0.00
Potassium	3.260	3.020	2.890	4.120	2.350	1.000	109	*	<1.000	2.46
Selenium	ND	ND	ND	ND	ND	0.0050	99	74	<0.0050	10.26
Silver	ND	ND	ND	ND	ND	0.0050	94	92	<0.0050	0.00
Sodium	25.80	38.70	29.40	36.00	19.20	1.000	112	*	<1.000	1.20
Tin	ND	ND	ND	ND	ND	0.0500	*	88	<0.0500	13.87
Vanadium	0.0220	0.0310	0.0490	ND	ND	0.0200	98	95	<0.0200	0.42
Zinc	ND	ND	ND	ND	ND	0.0200	99	99	<0.0200	0.20
Boron	0.113	0.087	0.103	0.152	0.121	0.050	120	83	<0.050	*
Strontium	0.673	0.421	0.456	0.766	0.989	0.050	98	80	<0.050	2.87

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

  
Raland K. Tuttle

  
Date



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MIDLAND, TEXAS 79704  
FAX: 915-520-4310


Sample Type: Water  
Sample Condition: Intact/Iced/HCl  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sample Date: 08/19/99  
Receiving Date: 08/19/99  
Analysis Date: 08/31/99  
Analysis Date: Hg 8/26/99

Analyte (mg/L)	MW-9 19313	MW-10 19314	MW-12 19315	MW-13 19316	MW-14 19317	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	1.140	1.820	0.7000	0.7080	0.8620	0.0500	110	102	<0.0500	0.45
Arsenic	0.0390	0.0520	0.0270	0.0080	0.0560	0.0050	102	102	<0.0050	2.64
Barium	0.5500	0.4700	0.2380	0.1350	0.7300	0.0100	104	100	<0.0100	0.98
Beryllium	ND	ND	ND	ND	ND	0.0040	97	98	<0.0040	2.02
Cadmium	ND	ND	ND	ND	ND	0.0010	96	90	<0.0010	2.20
Calcium	142.0	223.0	167.0	112.0	198.0	1.000	103	*	<1.000	1.75
Chromium	ND	0.0070	ND	ND	ND	0.0050	96	92	<0.0050	0.54
Cobalt	ND	ND	ND	ND	ND	0.0200	102	93	<0.0200	0.43
Copper	ND	ND	ND	ND	ND	0.0100	101	102	<0.0100	0.78
Iron	18.30	2.470	0.6320	0.6050	4.070	0.0500	106	*	<0.0500	1.46
Lead	ND	ND	ND	ND	ND	0.0030	99	92	<0.0030	2.15
Magnesium	37.20	52.00	23.20	11.50	57.60	1.000	104	*	<1.000	1.61
Manganese	0.4340	0.2320	0.0330	ND	0.4430	0.0150	97	92	<0.0150	1.13
Mercury	ND	ND	ND	ND	ND	0.00020	93	103	<0.00020	15.25
Molybdenum	ND	ND	ND	ND	ND	0.050	98	93	<0.050	1.71
Nickel	ND	ND	ND	ND	ND	0.0100	98	91	<0.0100	0.00
Potassium	3.520	3.590	4.620	3.150	4.140	1.000	109	*	<1.000	2.46
Selenium	ND	ND	ND	ND	ND	0.0050	99	74	<0.0050	10.26
Silver	ND	ND	ND	ND	ND	0.0050	94	92	<0.0050	0.00
Sodium	44.20	25.10	40.10	31.50	80.40	1.000	112	*	<1.000	1.20
Tin	ND	ND	ND	ND	ND	0.0500	*	88	<0.0500	13.87
Vanadium	ND	ND	ND	0.0370	ND	0.0200	98	95	<0.0200	0.42
Zinc	ND	ND	ND	ND	ND	0.0200	99	99	<0.0200	0.20
Boron	0.187	0.127	0.169	0.141	0.388	0.050	120	83	<0.050	*
Strontium	0.997	1.12	0.983	0.540	0.443	0.050	98	80	<0.050	2.87

ND = Below Reporting Limit

METHOD: EPA SW846-6010B, 7470

  
Randal K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/Iced/HCl  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sample Date: 08/19/99  
Receiving Date: 08/19/99  
Analysis Date: 08/31/99  
Analysis Date: Hg 8/26/99

Analyte (mg/L)	MW-22 19323	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	3.000	0.0500	110	102	<0.0500	0.45
Arsenic	0.0110	0.0050	102	102	<0.0050	2.64
Barium	0.3690	0.0100	104	100	<0.0100	0.98
Beryllium	ND	0.0040	97	98	<0.0040	2.02
Cadmium	ND	0.0010	96	90	<0.0010	2.20
Calcium	268.0	1.000	103	*	<1.000	1.75
Chromium	0.0140	0.0050	96	92	<0.0050	0.54
Cobalt	ND	0.0200	102	93	<0.0200	0.43
Copper	ND	0.0100	101	102	<0.0100	0.78
Iron	1.760	0.0500	106	*	<0.0500	1.46
Lead	ND	0.0030	99	92	<0.0030	2.15
Magnesium	13.20	1.000	104	*	<1.000	1.61
Manganese	0.0310	0.0150	97	92	<0.0150	1.13
Mercury	ND	0.00020	93	103	<0.00020	15.25
Molybdenum	ND	0.050	98	93	<0.050	1.71
Nickel	ND	0.0100	98	91	<0.0100	0.00
Potassium	4.240	1.000	109	*	<1.000	2.46
Selenium	ND	0.0050	99	74	<0.0050	10.26
Silver	ND	0.0050	94	92	<0.0050	0.00
Sodium	34.00	1.000	112	*	<1.000	1.20
Tin	ND	0.0500	*	88	<0.0500	13.87
Vanadium	0.0550	0.0200	98	95	<0.0200	0.42
Zinc	ND	0.0200	99	99	<0.0200	0.20
Boron	0.130	0.050	120	83	<0.050	*
Strontium	0.645	0.050	98	80	<0.050	2.87

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

  
Raland K. Tuttle

9-3-99  
Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

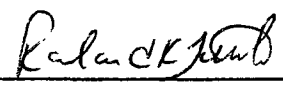
ENVIRONMENTAL TECHNOLOGY GROUP, INC.  
ATTN: MR. JESSE TAYLOR  
P.O. BOX 4845  
MIDLAND, TEXAS 79704  
FAX: 915-520-4310

Sample Type: Water  
Sample Condition: Intact/Iced/HCl  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sample Date: 08/19/99  
Receiving Date: 08/19/99  
Analysis Date: 08/31/99  
Analysis Date: Hg 8/26/99

Analyte (mg/L)	MW-15 19318	MW-16 19319	MW-17 19320	MW-18 19321	MW-19 19322	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	1.380	2.440	1.620	0.4670	1.850	0.0500	110	102	<0.0500	0.45
Arsenic	0.0050	0.0090	0.0100	ND	0.0060	0.0050	102	102	<0.0050	2.64
Barium	0.1180	0.2590	0.2130	0.1760	0.1620	0.0100	104	100	<0.0100	0.98
Beryllium	ND	ND	ND	ND	ND	0.0040	97	98	<0.0040	2.02
Cadmium	ND	ND	ND	ND	ND	0.0010	96	90	<0.0010	2.20
Calcium	157.0	198.0	235.0	140.0	173.0	1.000	103	*	<1.000	1.75
Chromium	ND	0.0080	0.0060	ND	0.0070	0.0050	96	92	<0.0050	0.54
Cobalt	ND	ND	ND	ND	ND	0.0200	102	93	<0.0200	0.43
Copper	ND	ND	ND	ND	ND	0.0100	101	102	<0.0100	0.78
Iron	0.9370	2.120	1.170	0.4090	1.150	0.0500	106	*	<0.0500	1.46
Lead	ND	ND	ND	ND	ND	0.0030	99	92	<0.0030	2.15
Magnesium	18.50	21.40	18.65	18.70	15.90	1.000	104	*	<1.000	1.61
Manganese	ND	0.0410	0.0270	ND	0.0180	0.0150	97	92	<0.0150	1.13
Mercury	ND	ND	ND	ND	ND	0.00020	93	103	<0.00020	15.25
Molybdenum	ND	ND	ND	ND	ND	0.050	98	93	<0.050	1.71
Nickel	ND	ND	ND	0.0590	ND	0.0100	98	91	<0.0100	0.00
Potassium	4.750	5.300	4.410	4.190	3.780	1.000	109	*	<1.000	2.46
Selenium	ND	ND	ND	ND	ND	0.0050	99	74	<0.0050	10.26
Silver	ND	ND	ND	ND	ND	0.0050	94	92	<0.0050	0.00
Sodium	50.90	44.60	36.10	29.60	32.30	1.000	112	*	<1.000	1.20
Tin	ND	ND	ND	ND	ND	0.0500	*	88	<0.0500	13.87
Vanadium	ND	0.0340	0.0290	ND	0.0350	0.0200	98	95	<0.0200	0.42
Zinc	ND	ND	ND	ND	ND	0.0200	99	99	<0.0200	0.20
Boron	0.192	0.159	0.142	0.120	0.115	0.050	120	83	<0.050	*
Strontium	0.789	0.915	0.802	0.881	0.648	0.050	98	80	<0.050	2.87

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

  
Ralanda K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/Iced/HCl  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sample Date: 08/19/99  
Receiving Date: 08/19/99  
Analysis Date: 08/30/99  
Analysis Date: Hg 8/28/99

Analyte (mg/L)	MW-23 19324	MW-24 19325	MW-25 19326	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	3.140	4.860	0.2060	0.0500	117	95	<0.0500	3.91
Arsenic	0.0080	0.0230	0.0080	0.0050	107	108	<0.0050	2.45
Barium	0.2670	0.3780	0.1190	0.0100	97	89	<0.0100	5.38
Beryllium	ND	ND	ND	0.0040	106	108	<0.0040	5.71
Cadmium	ND	ND	ND	0.0010	101	102	<0.0010	6.06
Calcium	147.0	292.0	107.0	1.000	105	*	<1.000	0.87
Chromium	0.0130	0.0210	ND	0.0050	97	96	<0.0050	5.32
Cobalt	ND	ND	ND	0.0200	115	102	<0.0200	5.44
Copper	ND	ND	ND	0.0100	104	99	<0.0100	5.83
Iron	1.820	3.520	0.0910	0.0500	104	*	<0.0500	0.69
Lead	ND	0.0040	ND	0.0030	106	104	<0.0030	9.35
Magnesium	15.70	32.30	13.50	1.000	102	*	<1.000	0.00
Manganese	0.0320	0.1140	ND	0.0150	98	84	<0.0150	1.01
Mercury	ND	ND	ND	0.00020	95	108	<0.00020	4.74
Molybdenum	ND	ND	ND	0.050	100	102	<0.050	5.23
Nickel	ND	ND	ND	0.0100	102	91	<0.0100	4.98
Potassium	3.790	5.520	3.310	1.000	102	*	<1.000	6.78
Selenium	ND	0.0050	ND	0.0050	102	114	<0.0050	10.00
Silver	ND	ND	ND	0.0050	96	88	<0.0050	7.06
Sodium	41.70	51.40	40.20	1.000	100	*	<1.000	0.49
Tin	ND	ND	ND	0.0500	*	82	<0.0500	14.23
Vanadium	0.0380	0.0450	ND	0.0200	106	103	<0.0200	5.57
Zinc	0.0220	0.0210	ND	0.0200	105	104	<0.0200	5.42
Boron	0.136	0.155	0.129	0.050	113	88	<0.050	6.61
Strontium	0.575	1.13	0.622	0.050	*	*	<0.050	*

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

  
Raland K. Tuttle

9-3-99  
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

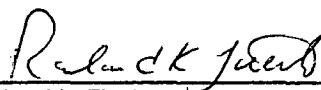
Sample Type: Water  
Sample Condition: Intact/Iced/HCl  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 08/20/99  
Receiving Date: 08/20/99  
Analysis Date: 08/23/99

ELT#	FIELD CODE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
19343	MW-1	6.54	0.078	1.36	0.605	0.217
19344	MW-11	1.73	<0.010	<0.010	<0.010	<0.010
19345	MW-20	0.002	<0.001	<0.001	<0.001	<0.001
19346	MW-21	0.701	<0.001	<0.001	<0.001	<0.001

% IA	89	86	86	84	85
% EA	88	85	85	83	84
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8020,5030

  
Raland K. Tuttle

9-3-99  
Date

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ATTN: JESSE TAYLOR  
P.O. BOX 4845  
MIDLAND, TEXAS 79704  
FAX: 915-520-4310

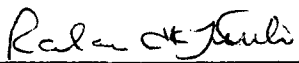
Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 08/20/99  
Receiving Date: 08/20/99  
Analysis Date: 08/21/99

ELT#	FIELD CODE	Nitrates mg/L
19343	MW-1	0.7
19344	MW-11	<0.1
19345	MW-20	<0.1
19346	MW-21	<0.1

QUALITY CONTROL	8.6
TRUE VALUE	10.0
% PRECISION	86
BLANK	<0.1

Methods: EPA 353.2

  
Raland K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-1

Sampling Date: 08/20/99  
Receiving Date: 08/20/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19343	RPD	%EA	%IA
Naphthalene	0.005	0.033			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

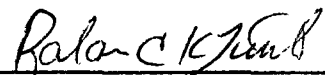
#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

72  
58  
19

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Randal K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-11

Sampling Date: 08/20/99  
Receiving Date: 08/20/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

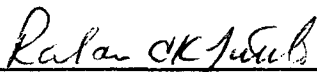
EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19344	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

#### % RECOVERY

Nitrobenzene-d5 SURR 69  
2-Fluorobiphenyl SURR 66  
Terphenyl-d14 SURR 16

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Raland K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-20

Sampling Date: 08/20/99  
Receiving Date: 08/20/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19345	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo [a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

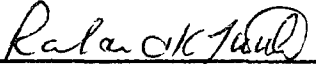
#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

63  
64  
42

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Ralanda K. Tuttle

9-3-99  
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

Sample Type: Water  
Sample Condition: Intact/ Iced  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.  
Field Code: MW-21

Sampling Date: 08/20/99  
Receiving Date: 08/20/99  
Extraction Date: 08/25/99  
Analysis Date: 08/29/99

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 19346	RPD	%EA	%IA
Naphthalene	0.005	ND			106
Acenaphthylene	0.005	ND			114
Acenaphthene	0.005	ND	7.73	94	116
Fluorene	0.005	ND			114
Phenanthrene	0.005	ND			122
Anthracene	0.005	ND			122
Fluoranthene	0.005	ND			122
Pyrene	0.005	ND	8.42	99	126
Benzo[a]anthracene	0.005	ND			122
Chrysene	0.005	ND			128
Benzo[b]fluoranthene	0.005	ND			108
Benzo[k]fluoranthene	0.005	ND			128
Benzo[a]pyrene	0.005	ND			118
Indeno[1,2,3-cd]pyrene	0.005	ND			132
Dibenz[a,h]anthracene	0.005	ND			136
Benzo[g,h,i]perylene	0.005	ND			132

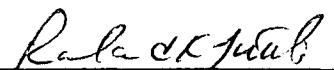
#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
Terphenyl-d14 SURR

62  
60  
22

ND= NOT DETECTED

Method: EPA SW 846 8270C, 3510

  
Randal K. Tuttle

9-3-99  
Date

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"Don't Treat Your Soil Like Dirt!"

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

Sample Type: Water  
Sample Condition: Intact/Iced/HCl  
Project #: SPS-11 EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sample Date: 08/20/99  
Receiving Date: 08/20/99  
Analysis Date: 08/31/99  
Analysis Date: Hg 8/26/99

Analyte (mg/L)	MW-1 19343	MW-11 19344	MW-20 19345	MW-21 19346	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	0.1570	0.5190	0.6040	11.10	0.0500	110	102	<0.0500	0.45
Arsenic	0.0610	0.0270	0.0060	0.0090	0.0050	102	102	<0.0050	2.64
Barium	1.030	0.1720	0.1300	0.3350	0.0100	104	100	<0.0100	0.98
Beryllium	ND	ND	ND	ND	0.0040	97	98	<0.0040	2.02
Cadmium	ND	ND	ND	ND	0.0010	96	90	<0.0010	2.20
Calcium	112.0	203.0	261.0	713.4	1.000	103	*	<1.000	1.75
Chromium	ND	ND	ND	0.0470	0.0050	96	92	<0.0050	0.54
Cobalt	ND	ND	ND	ND	0.0200	102	93	<0.0200	0.43
Copper	ND	ND	ND	ND	0.0100	101	102	<0.0100	0.78
Iron	7.790	0.6480	0.2810	7.060	0.0500	106	*	<0.0500	1.46
Lead	ND	ND	ND	ND	0.0030	99	92	<0.0030	2.15
Magnesium	49.10	18.30	16.10	40.40	1.000	104	*	<1.000	1.61
Manganese	0.3300	0.1140	0.0310	0.1150	0.0150	97	92	<0.0150	1.13
Mercury	ND	ND	ND	ND	0.00020	93	103	<0.00020	15.25
Molybdenum	ND	ND	ND	ND	0.050	98	93	<0.050	1.71
Nickel	ND	ND	ND	ND	0.0100	98	91	<0.0100	0.00
Potassium	2.420	4.040	4.520	9.350	1.000	109	*	<1.000	2.46
Selenium	ND	ND	ND	ND	0.0050	99	74	<0.0050	10.26
Silver	ND	ND	ND	ND	0.0050	94	92	<0.0050	0.00
Sodium	40.60	39.00	44.40	43.70	1.000	112	*	<1.000	1.20
Tin	ND	ND	ND	ND	0.0500	*	88	<0.0500	13.87
Vanadium	ND	ND	0.0280	0.0980	0.0200	98	95	<0.0200	0.42
Zinc	ND	ND	0.0230	0.0610	0.0200	99	99	<0.0200	0.20
Boron	0.257	0.170	0.164	0.143	0.050	120	83	<0.050	*
Strontium	0.918	0.833	0.839	1.71	0.050	98	80	<0.050	2.87

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

  
Raland K. Tuttle

9-3-99  
Date



# CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Page 2 of 2

Project Manager:	Phone #: (915) 664-9166
	FAX #:
Company Name & Address:	
Project #:	Project Name :
Project Location:	Sampler Signature:

[illegible]

Relinquished by: <i>Ken Dutton</i>	Date: <i>19 Aug 99</i>	Times: <i>1640</i>	Received by: <i>Lalan OK Judd</i>
Relinquished by:	Date:	Times:	Received by:
Relinquished by:	Date:	Times:	Received by Laboratory:

REMARKS	K. DUTTON - (505) 370-6677

MAIL RESULTS TO:

KEN DUTTON

KEN DUTTON

1606 W. CHASE SUR, HPI  
HOBBS, N. H 28240-0895

INVOICE TO:

LENNAR FROST

PO # 1015M

COE. 0000

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

PO # 101517

K. Dutton (545)	370-0677
-----------------	----------

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

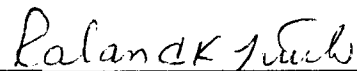
ENVIRONMENTAL TECHNOLOGY GROUP, INC.  
ATTN: MR. JESSE TAYLOR  
P.O. BOX 4845  
MIDLAND, TEXAS 79704  
FAX: 505-392-3760

Sample Type: Water  
Sample Condition: Intact/Iced/HCl  
Project #: EOT1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 12/08/99  
Receiving Date: 12/10/99  
Analysis Date: 12/13/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
22208	MW-1	5.20	0.386	1.06	0.501	0.223
22209	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
22210	MW-3	<0.001	<0.001	<0.001	<0.001	<0.001
22211	MW-4	0.014	0.002	0.003	0.002	<0.001
22212	MW-6	0.011	<0.001	0.002	<0.001	<0.001
22213	MW-7	0.108	0.011	0.094	0.018	0.003
22214	MW-9	0.058	<0.001	0.022	0.004	<0.001
22215	MW-10	0.048	0.022	0.021	0.013	0.008
22216	MW-11	2.94	<0.010	<0.010	<0.010	<0.010
22217	MW-12	0.604	0.012	0.080	0.030	0.004
22218	MW-13	0.001	<0.001	<0.001	<0.001	<0.001
% IA		93	89	90	90	90
% EA		91	88	89	89	88
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

  
Raland K. Tuttle

12-15-99  
Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

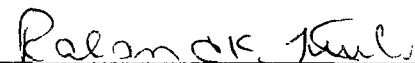
ENVIRONMENTAL TECHNOLOGY GROUP, INC.  
ATTN: MR. JESSE TAYLOR  
P.O. BOX 4845  
MIDLAND, TEXAS 79704  
FAX: 505-392-3760

Sample Type: Water  
Sample Condition: Intact/Iced/HCl  
Project #: EOT1015C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 12/08/99  
Receiving Date: 12/10/99  
Analysis Date: 12/13 & 12/14/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
22219	MW-14	7.97	0.022	1.18	0.459	0.233
22220	MW-15	<0.001	<0.001	<0.001	<0.001	<0.001
22221	MW-16	0.055	0.025	0.005	0.005	0.002
22222	MW-17	0.066	0.068	0.027	0.019	0.009
22223	MW-18	0.004	<0.001	0.002	0.002	<0.001
22224	MW-19	0.008	0.001	0.002	0.002	<0.001
22225	MW-20	0.005	<0.001	0.002	0.001	<0.001
22226	MW-21	0.052	<0.001	<0.001	<0.001	<0.001
22227	MW-22	<0.001	<0.001	<0.001	<0.001	<0.001
22228	MW-23	0.002	<0.001	<0.001	<0.001	<0.001
22229	MW-24	0.839	0.007	0.002	0.006	0.002
22230	MW-25	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		94	91	91	91	91
% EA		115	90	91	91	91
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

  
Raland K. Tuttle

12-15-99  
Date



## CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

000 048

per: \_\_\_\_\_

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

5762  
P.O. Box 4845 M. Deano 14 79704

Project Name :

EOT 10/5C

**Sampler Signature:**

pler Signature: *J. L. Ross*

[illegible]**Time:**

Received *W*

REMARKS

MALE RESACT: K. Dutton

**Times:**

Revised

1

**Times:**

Received by L

1

U

# Environmental Lab of Texas, Inc. 12600 West I-20 East Dallas, Texas 79763 (915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 049

Project Manager:

Jesse Taylor

Phone #: (915) 664-9166

FAX #: (915) 392-3760

Company Name & Address:

ETC  
P.O. Box 4845 Midland TX 79704

Project #:

6071015C

Project Name:

SPS-11

Project Location:

Lea County NM

Sampler Signature:

Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX						PRESERVATIVE METHOD				SAMPLING	
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE	NONE	OTHER	DATE	TIME
22219	MW 14	2	✓	✓					✓	✓	✓			12-8	1125
22220	MW 15													1136	
22221	MW 16													1019	
22222	MW 17													1437	
22223	MW 18													1421	
22224	MW 19													1410	
22225	MW 20													1248	
22226	MW 21													1238	
22227	MW 22													1047	
22228	MW 23													1006	
22229	MW 24													1000	

TPH 418.1  
BTX 8020/2000

TCLP Metals Ag As Ba Cd Cr Pb Hg Se  
TCLP Metals Ag As Ba Cd Cr Pb Hg Se  
TCLP Volatiles  
TCLP Semi Volatiles  
TDS  
RCI

Relinquished by:

Simon Casas

Date:

12/9/99

Times:

1300

Received by:

[Signature]

Relinquished by:

[Signature]

Date:

12-10-99

Times:

1145

Received by:

J. McMurtry

Relinquished by:

[Signature]

Date:

Times:

Received by Laboratory:

REMARKS

MAIL RESULTS: K. Dutton

INVOICE: LEMMA FROST 10/5M

## CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

207 050

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

6725  
P.O. Box 4845  
M.D. 2002  
79704

Project Name :

EO 1015C

**Sampler Signature**

Lea. Conn. N.Y.

Signature: *Amber Carr*

[illegible]

Times: 1300

Received by: 

REMARKS

Miss Lescaults H. Burton

Date: 17-10-99

**Time:**

Received by: James W. E. McManus

Date:

**Times:**

**Received by Laboratory:**

Lucille Lennah Frost 1015 PM

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

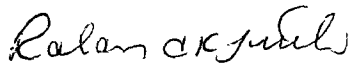
ENVIRONMENTAL TECHNOLOGY GROUP, INC.  
ATTN: MR. JESSE TAYLOR  
P.O. BOX 4845  
MIDLAND, TEXAS 79704  
FAX: 915-520-4310  
FAX: 505-392-3760

SampleType: Water  
Sample Condition: Intact/ Iced/HCl  
Project #: EOT 1015C  
Project Name: SPS-11  
Project Location: Lea County , N.M.

Sampling Date: 03/24/00  
Receiving Date: 03/25/00  
Analysis Date: 3/27- 3/29/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
24291	MW 1	0.547	0.098	0.169	0.042	0.014
24292	MW 2	0.001	0.001	<0.001	<0.001	<0.001
24293	MW 3	<0.001	0.001	<0.001	<0.001	<0.001
24294	MW 4	0.015	0.001	0.003	0.001	<0.001
24295	MW 6	0.009	<0.001	<0.001	<0.001	<0.001
24296	MW 7	0.044	0.010	0.014	0.004	0.002
24297	MW 9	0.012	0.002	0.002	<0.001	<0.001
24298	MW 10	0.022	0.004	0.005	0.004	0.002
24299	MW 11	1.40	<0.025	<0.025	<0.025	<0.025
24300	MW 12	0.012	0.002	<0.001	0.004	0.001
24301	MW 13	<0.001	<0.001	<0.001	<0.001	<0.001
24302	MW 14	3.47	<0.025	0.200	0.069	0.037
24303	MW 15	0.001	<0.001	<0.001	<0.001	<0.001
24304	MW 16	0.108	0.028	0.005	0.005	0.002
24305	MW 17	0.055	0.063	0.023	0.017	0.007
24306	MW 18	<0.001	<0.001	<0.001	<0.001	<0.001
24307	MW 19	0.003	<0.001	<0.001	<0.001	<0.001
24308	MW 20	<0.001	<0.001	<0.001	<0.001	<0.001
24309	MW 21	0.002	<0.001	<0.001	<0.001	<0.001
24310	MW 22	<0.001	<0.001	<0.001	<0.001	<0.001
24311	MW 23	<0.001	<0.001	<0.001	<0.001	<0.001
24312	MW 24	0.762	<0.010	<0.010	<0.010	<0.010
24313	MW 25	<0.001	<0.001	<0.001	<0.001	<0.001
% IA		101	92	91	100	87
% EA		97	87	87	94	85
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030



Raland K. Tuttle

3-30-00

Date

# Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713

Project Manager: *Jesse Thron*

Phone #: (915) 664-9166  
FAX #: (915) 563-1713

Company Name & Address: *ET&T*

*P.O. Box 4845 Midland TX 79704*

Project #: *EO 105C*

Project Name: *SPS-11*

Project Location: *Len County NM*

Sampler Signature: *[Signature]*

*Len County NM*

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD				DATE	TIME
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE		
24291	MW 1	2	✓	X					X		X	3/24	1117
24292	MW 2												1127
24293	MW 3												1133
24294	MW 4												1140
24295	MW 5												1037
24296	MW 6												1148
24297	MW 7												1003
24298	MW 8												1155
24299	MW 11												1110
24300	MW 12												1043
24301	MW 13		✓	✓									1032

Relinquished by: *[Signature]* Date: *3-24-11* Times: *1000* Received by: *[Signature]*

Relinquished by: *[Signature]* Date: *25 MAR 10* Times: *1235* Received by: *[Signature]*

Relinquished by: *[Signature]* Date:  Times:  Received by Laboratory: *[Signature]*

REMARKS

*Main Results H. Burton*

*Invoice Lennor Frost 1015m*

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

ANALYSIS REQUEST

*COC # 112*

TPH 418.1  
BTX 8020/5

TCLP Metals Ag As Ba Cd Cr Pb Hg Se  
TCLP Volatiles  
TCLP Semi Volatiles  
TDS  
RCI

163

# Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713

Project Manager: Jesse Tarnon

Phone #: (915) 664-9166  
FAX #: (915) 352-3760

Company Name & Address:

Publix Super Market  
Midland TX 79704

Project #:

501015C

Project Name:

SPS-11

Project Location:

Lea County NM

Sampler Signature:

Jesse Tarnon

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		TPH 418.1	TCLP Metals Ag As E	Total Metals Ag As E	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI				
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE	NONE	OTHER											DATE
24302	MW 14	2	✓	✓				✓		✓		✓	3-24	10:17	✓									
24303	MW 15													10:10										
24304	MW 16													09:57										
24305	MW 17													12:18										
24306	MW 18													12:10										
24307	MW 19													12:03										
24308	MW 20													11:00										
24309	MW 21													10:50										
24310	MW 22													10:25										
24311	MW 23													09:50										
24312	MW 24													09:45	✓									

Relinquished by:	<u>Jesse Tarnon</u>	Date:	<u>3-24-00</u>	Times:	<u>1500</u>	Received by:	<u>Marie Rosner</u>	REMARKS:	<u>Marie Rosner H. Button</u>
Relinquished by:	<u>Jesse Tarnon</u>	Date:	<u>25 March</u>	Times:	<u>1235</u>	Received by:	<u>Jesse Tarnon</u>		
Relinquished by:	<u>Jesse Tarnon</u>	Date:		Times:		Received by Laboratory:			<u>Travis Lennan Fred Wilson</u>

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

ANALYSIS REQUEST

TCLP Metals Ag As Ba Cd Cr Pb Hg Se  
TCLP Volatiles  
TCLP Semi Volatiles  
TDS  
RCI  
TPH 418.1

2013

COC # 112

363

## CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Doc # 112

## ANALYSIS REQUEST

79304 TX 666

Project Name: S

pler Signature: 

Country Club

[illegible]

Relinquished by: <i>[Signature]</i>	Date: 3-24-00	Times: 1000-	Received by: <i>[Signature]</i>	REMARKS Mail Request H. Burton
Relinquished by: <i>[Signature]</i>	Date: 25-Mar-00	Times: 1235	Received by: <i>[Signature]</i>	Invoice complete 10/15/00
Relinquished by: <i>[Signature]</i>	Date:	Times:	Received by Laboratory:	

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Phone #: (505) 397-4882  
FAX #: (505) 397-4701

5885 Ver

Project Name: SPS-11

Sampler Signature: 

[illegible]

100	Received by:	REMA
22m	Received by: Vinodh Rao	2
	Received by Laboratory:	

REMARKS

F.R. News Office  
29°F  
Invoice: EOT 105m



# 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

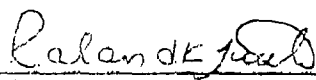
Sample Type: Water  
Sample Condition: Intact/ Iced/ 32 deg. F  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea County

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

ELTH	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
26256	MW 26	52.8	27	0	134	274
26257	MW 27	59.7	35	0	133	282
26258	MW 28	47.2	27	0	241	366

QUALITY CONTROL	54.2	5495	*	*	*
TRUE VALUE	50.0	5000	*	*	*
% PRECISION	108	110	*	*	*
ANALYSIS DATE	06/06/00	06/06/00	06/06/00	06/06/00	06/05/00

METHODS: EPA 375.4, 325.3, 310, 160.1

  
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

Sample Type: Water  
Sample Condition: Intact/Iced/ 32 deg. F  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea County  
Field Code: MW 26

Sampling Date: 06/03/00  
Receiving Date: 06/03/00  
Analysis Date: 06/05/00

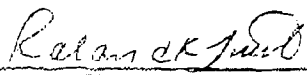
EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 26258	RPD	%EA	%DEV
Naphthalene	0.005	ND			7.4
Acenaphthylene	0.005	ND			2.5
Acenaphthene	0.005	ND	1	81	8.6
Fluorene	0.005	ND			-0.3
Phenanthrene	0.005	ND			3.4
Anthracene	0.005	ND			1.3
Fluoranthene	0.005	ND			2.3
Pyrene	0.005	ND	1	82	-9.0
Benzo[a]anthracene	0.005	ND			-2.4
Chrysene	0.005	ND			-5.4
Benzo[b]fluoranthene	0.005	ND			-7.1
Benzo[k]fluoranthene	0.005	ND			9.1
Benzo[a]pyrene	0.005	ND			-5.0
Indeno[1,2,3-cd]pyrene	0.005	ND			0.9
Dibenz[a,h]anthracene	0.005	ND			0.2
Benzo[g,h,i]perylene	0.005	ND			6.2

#### % RECOVERY

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
p-Terphenyl-d14 SURR

99  
97  
90

ND= not detected at report limit.  
Method: EPA SW 846 8270C, 8510

  
Randal K. Tuttle

6-9-00  
Date

Jun 09 00 02:48p

# ENVIRONMENTAL LAB OF , INC.

*"Don't Treat Your Soil Like Dirt!"*

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

Sample Type: Water  
Sample Condition: Intact/ Iced/ 32 deg. F  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea County  
Field Code: MW 27

Sampling Date: 06/03/00  
Receiving Date: 06/03/00  
Analysis Date: 06/05/00

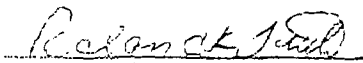
EPA SW646 8270 (mg/L)	REPORT LIMIT	ELT# 26257	RPD	%EA	%DEV
Naphthalene	0.005	ND			7.4
Acenaphthylene	0.005	ND			2.5
Acenaphthene	0.005	ND	1	81	6.6
Fluorene	0.005	ND			-0.3
Phenanthrene	0.005	ND			3.4
Anthracene	0.005	ND			1.3
Fluoranthene	0.005	ND			2.3
Pyrene	0.005	ND	1	82	-9.0
Benzo[a]anthracene	0.005	ND			-2.4
Chrysene	0.005	ND			-5.4
Benzo[b]fluoranthene	0.005	ND			-7.1
Benzo[k]fluoranthene	0.005	ND			9.1
Benzo[a]pyrene	0.005	ND			-5.0
Indeno[1,2,3-cd]pyrene	0.005	ND			0.9
Dibenz[a,h]anthracene	0.005	ND			0.2
Benzo[g,h,i]perylene	0.005	ND			6.2

**% RECOVERY**

Nitrobenzene-d5 SURR  
2-Fluorobiphenyl SURR  
p-Terphenyl-d14 SURR

100  
98  
90

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

  
Roland 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

Sample Type: Water  
Sample Condition: Intact/ Iced/ 32 deg. F  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea County  
Field Code: MW 28

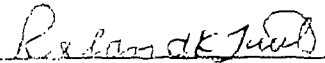
Sampling Date: 06/03/00  
Receiving Date: 06/03/00  
Analysis Date: 06/05/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 26258	RPD	%EA	%DEV
Naphthalene	0.005	ND			7.4
Acenaphthylene	0.005	ND			2.5
Acenaphthene	0.005	ND	1	81	6.6
Fluorene	0.005	ND			-0.3
Phenanthrene	0.005	ND			3.4
Anthracene	0.005	ND			1.3
Fluoranthene	0.005	ND			2.3
Pyrene	0.005	ND	1	82	-9.0
Benzo[a]anthracene	0.005	ND			-2.4
Chrysene	0.005	ND			-5.4
Benzo[b]fluoranthene	0.005	ND			-7.1
Benzo[k]fluoranthene	0.005	ND			9.1
Benzo[a]pyrene	0.005	ND			-5.0
Indeno[1,2,3-cd]pyrene	0.005	ND			0.9
Dibenz[a,h]anthracene	0.005	ND			0.2
Benzo[g,h,i]perylene	0.005	ND			6.2

#### % RECOVERY

Nitrobenzene-d5 SURR 98  
2-Fluorobiphenyl SURR 97  
p-Terphenyl-d14 SURR 92

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

  
Randall K. Tuttle

6-9-00  
Date

Jun 09 00 02:45p

# 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

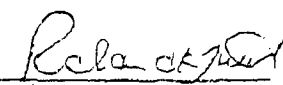
Sample Type: Water  
Sample Condition: Intact/Iced/HNO<sub>3</sub>/ 32 deg. F  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea County

Sample Date: 06/03/00  
Receiving Date: 06/03/00  
Analysis Date: 06/08/00

Analyte (mg/L)	MW 26 26256	MW 27 26257	MW 28 26258	Report Limit	%IA	%EA	BLANK	RPD
Aluminum	22.8	6.82	15.4	0.0500	94	96	<0.0500	0.52
Arsenic	0.0160	ND	0.0140	0.0050	94	100	<0.0050	2.02
Barium	0.5880	0.1470	0.4090	0.0100	97	96	<0.0100	0.00
Beryllium	ND	ND	ND	0.0040	102	104	<0.0040	1.90
Cadmium	0.0030	0.0020	0.0040	0.0010	96	98	<0.0010	0.00
Calcium	298.0	266.0	655.0	1.000	98	N/A	<1.000	0.16
Chromium	0.0980	0.0530	0.0860	0.0050	98	101	<0.0050	0.49
Cobalt	0.0240	ND	ND	0.0200	100	102	<0.0200	0.20
Copper	0.0220	ND	0.0130	0.0100	101	83	<0.0100	0.93
Iron	18.20	4.660	9.730	0.0500	103	97	<0.0500	1.83
Lead	0.0180	ND	0.0070	0.0030	94	98	<0.0030	0.00
Magnesium	26.80	16.80	30.30	1.000	100	N/A	<1.000	0.57
Manganese	0.5920	0.0900	0.2450	0.0150	97	98	<0.0150	0.20
Mercury	ND	ND	ND	0.00020	104	101	<0.00020	4.04
Molybdenum	ND	ND	ND	0.050	97	98	<0.050	0.20
Nickel	0.0490	0.0190	0.0330	0.0100	95	95	<0.0100	0.00
Potassium	8.070	4.910	8.180	1.000	83	N/A	<1.000	N/A
Selenium	ND	ND	ND	0.0050	96	102	<0.0050	4.00
Silver	ND	ND	ND	0.00500	98	104	<0.0050	0.00
Sodium	32.70	33.60	40.60	1.000	105	N/A	<1.000	0.45
Tin	ND	ND	ND	0.0500	96	98	<0.0500	0.10
Vanadium	0.1390	0.0450	0.0880	0.0200	97	99	<0.0200	0.00
Zinc	0.0530	ND	0.0590	0.0200	99	91	<0.0200	0.00
Boron	0.119	0.106	0.144	0.050	105	103	<0.050	0.00
Strontium	0.584	0.522	0.994	0.050	98	87#	<0.050	54.51#

ND = Below Reporting Limit

METHOD: EPA SW846-6010E, 7470

  
Ralanda 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: 505-397-4701

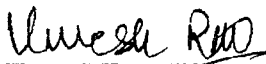
Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ 29 deg. F  
Project #: EOT 2015c  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 06/14/00  
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	TOTAL BTEX mg/L
26989	MW 1	2.28	0.060	0.451	0.060	0.013	2.86
26990	MW 2	0.015	0.006	0.007	0.002	<0.001	0.030
26991	MW 3	0.003	0.001	0.003	<0.001	<0.001	0.007
26992	MW 4	0.021	0.001	0.006	0.001	<0.001	0.029
26993	MW 6	0.005	<0.001	0.002	<0.001	<0.001	0.007
26994	MW 7	0.014	0.003	0.004	<0.001	<0.001	0.021
26995	MW 9	0.041	<0.001	0.024	0.002	<0.001	0.067
26996	MW 10	0.012	0.004	0.007	0.002	0.002	0.027
26997	MW 11	0.724	0.002	0.001	<0.001	<0.001	0.727
26998	MW 12	0.009	<0.001	0.001	<0.001	<0.001	0.010
26999	MW 13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
27000	MW 14	1.59	0.016	0.106	0.010	<0.010	1.72
27001	MW 15	0.006	<0.001	<0.001	<0.001	<0.001	0.006
27002	MW 16	0.017	0.002	<0.001	0.001	<0.001	0.020
27003	MW 17	0.019	0.023	0.011	0.007	0.004	0.064
27004	MW 18	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	91	87	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

  
Umesh Rao, Ph. D.

6/23/00  
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: 505-397-4701

Sample Type: Water

Sample Condition: Intact/ Iced/ HCl/ 29 deg. F

Project #: EOT 2015c

Project Name: SPS-11

Project Location: Lea County, N.M.

Sampling Date: 06/14/00

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	TOTAL BTEX mg/L
27005	MW 19	0.002	<0.001	<0.001	<0.001	<0.001	0.002
27006	MW 20	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
27007	MW 21	0.002	<0.001	<0.001	<0.001	<0.001	0.002
27008	MW 22	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
27009	MW 23	0.007	<0.001	<0.001	<0.001	<0.001	0.008
27010	MW 24	0.887	0.013	0.004	0.004	0.002	0.910
27011	MW 25	0.002	<0.001	<0.001	<0.001	<0.001	0.002

% IA	88	86	86	94	87
% EA	85	82	81	84	80
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B.5030



Umesh Rao, Ph. D.

6/23/00  
Date



Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763  
(915) 563-1800 FAX (915) 563-1713

Project Manager: Jesse T. Aycock Phone #: (505) 397-4882  
FAX #: (505) 397-4701

Company Name & Address: ET&I  
2540 W. MARLAND HOBBBS NM

Project #: LOT 2015 C Project Name: SPS-11

Project Location: LEA COUNTY NM Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX						PRESERVATIVE METHOD				SAMPLING	
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE	NONE	OTHER	DATE	TIME
26989	MW 1	2	✓	X					X		X			6-14	1217
26990	MW 2														1120
26991	MW 3														1108
26992	MW 4														1235
26993	MW 6														1031
26994	MW 7														1245
26995	MW 9														1400
26996	MW 10														1300
26997	MW 11														1207
26998	MW 12														1100
26999	MW 13														1050

REMARKS

Received by:

Times:

Date:

Relinquished by:

Received by:

Times:

Date:

Relinquished by:

Received by Laboratory:

Times:

Date:

Relinquished by:

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 160

ANALYSIS REQUEST

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

F.R. - HOBBS OFFICE

29°F

LABOR: LOT 1015M

Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763  
(915) 563-1800 FAX (915) 563-1713

Project Manager: Jesse T. Year Phone #: (905) 397-4882  
FAX #: (905) 397-4701

Company Name & Address: E-761 I  
2544 W. MARLAND HOBBS NW

Project #: EOT 2015C Project Name: SS-11

Project Location: LON COUNTY Sampler Signature: *[Signature]*

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		TPH 418.1	TCLP Metals Ag As	Total Metals Ag As	TCLP Volatiles	TCLP Semi Volatiles	TOS	RCI	
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE	NONE	OTHER								DATE
27000	MW 14	2	✓	✓				✓			✓			6-14	10:10	✓					
27001	MW 15	1	✓	✓											10:00						
27002	MW 16	1	✓	✓											10:55						
27003	MW 17	1	✓	✓											13:20						
27004	MW 18	1	✓	✓											13:13						
27005	MW 19	1	✓	✓											13:05						
27006	MW 20	1	✓	✓											11:57						
27007	MW 21	1	✓	✓											11:45						
27008	MW 22	1	✓	✓											10:40						
27009	MW 23	1	✓	✓											09:45						
27010	MW 24	1	✓	✓											09:35	✓					

REMARKS

For Results: 397-4701  
2905  
INVOICE: EOT 1015m

Received by:

Times:

Date:

Relinquished by:

Received by:

Times:

Date:

Relinquished by:

Received by:

Times:

Date:

Relinquished by:

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

ANALYSIS REQUEST

TPH 418.1  
TCLP Metals Ag As Ba Cd Cr Pb Hg Se  
Total Metals Ag As Ba Cd Cr Pb Hg Se  
TCLP Volatiles  
TCLP Semi Volatiles  
TOS  
RCI

2013

COC 140

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.  
ATTN: BETH ALDRICH  
P.O. BOX 4845  
MIDLAND, TEXAS 79704  
FAX: 915-520-4310  
FAX: 505-397-4701

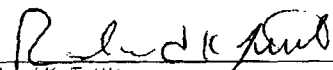
Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ -4deg C  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea Co., N.M.

Sampling Date: 09/22/00  
Receiving Date: 09/27/00  
Analysis Date: 10/03/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
31349	MW-1	0.455	0.115	0.128	0.051	0.023
31350	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001
31351	MW-3	<0.001	<0.001	<0.001	<0.001	<0.001
31352	MW-4	0.015	0.002	0.006	0.002	0.001
31353	MW-6	0.040	<0.001	0.010	0.003	<0.001
31354	MW-7	0.150	0.026	0.084	0.022	0.015
31355	MW-9	0.058	<0.001	0.008	0.002	<0.001
31356	MW-10	0.026	0.005	0.016	0.006	0.005

%IA	95	101	96	102	101
%EA	104	110	109	114	114
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B, 5030

  
Ralaid K. Tuttle

10-6-00  
Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

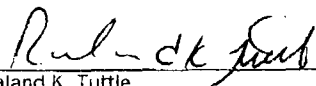
ENVIRONMENTAL TECHNOLOGY GROUP, INC  
ATTN: BETH ALDRICH  
P O. BOX 4845  
MIDLAND, TEXAS 79704  
FAX: 915-520-4310  
FAX: 505-397-4701

Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ -4deg. C  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea Co., N.M.

Sampling Date: 09/22/00  
Receiving Date: 09/27/00  
Analysis Date: 10/04/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p XYLENE mg/L	o.XYLENE mg/L
31357	MW-11	1.97	<0.100	<0.100	<0.100	<0.100
31358	MW-12	0.716	0.026	0.310	0.091	0.039
31359	MW-13	0.001	<0.001	0.003	<0.001	<0.001
31360	MW-15	0.011	<0.001	0.002	<0.001	<0.001
31361	MW-16	0.036	0.003	<0.001	<0.001	<0.001
31362	MW-17	0.058	0.059	0.029	0.014	0.006
31363	MW-18	0.002	<0.001	<0.001	<0.001	<0.001
31364	MW-19	0.002	<0.001	0.002	<0.001	<0.001
31365	MW-20	0.002	<0.001	0.001	<0.001	<0.001
31366	MW-21	0.002	<0.001	0.001	<0.001	<0.001
31367	MW-22	<0.001	<0.001	<0.001	<0.001	<0.001
31368	MW-23	<0.001	<0.001	<0.001	<0.001	<0.001
31369	MW-24	0.663	0.012	0.004	0.003	0.002
%IA		104	96	98	102	95
%EA		97	89	87	90	84
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B, 5030

  
Raland K. Tuttle

10-6-00  
Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.  
ATTN: BETH ALDRICH  
P.O. BOX 4845  
MIDLAND, TEXAS 79704  
FAX: 915-520-4310  
FAX: 505-397-4701


Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ -4deg. C  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea Co., N.M.

Sampling Date: 09/22/00  
Receiving Date: 09/27/00  
Analysis Date: 10/04/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
31370	MW-25	<0.001	<0.001	<0.001	<0.001	<0.001
31371	MW-26	0.021	0.041	0.008	0.013	0.006
31372	MW-27	<0.001	<0.001	<0.001	<0.001	<0.001
31373	MW-28	1.58	0.059	0.374	0.192	0.024
31374	EB-1	<0.001	<0.001	<0.001	<0.001	<0.001
31375	MW-14	3.65	<0.100	0.518	0.229	<0.100

%IA	95	101	96	102	101
%EA	93	99	95	100	99
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

  
Roland K. Tuttle

10-6-00  
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 # 236

Project Manager:

Phone #: (805) 397-4882  
FAX #: (805) 397-4701

BETH ALDRICH

Company Name & Address:

2540 W MARLBORO HOBBS NM

Project #:

LOT 2022C

Project Location:

LEA COUNTY WPA

Supplier Signature:

*[Signature]*

Project Name:

SPS-11

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING DATE	TIME	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE									NONE
31349	MW 1	2	✓	✓							X									
31350	MW 2												9-22-11	1039						
31351	MW 3												1030							
31352	MW 4												1115							
31353	MW 6												1015							
31354	MW 7												1121							
31355	MW 9												0917							
31356	MW 10												1129							
31357	MW 11												1100							
31358	MW 12												1023							
31359	MW 13												1007							

Relinquished by:

*[Signature]*

Date:

9-27-08

Relinquished by:

*[Signature]*

Date:

0800

Relinquished by:

*[Signature]*

Date:

REMARKS

INVOICE: EOTT REC -4°C  
FAX RESULTS: HOBBS OFFICE  
MAIL RESULTS: EOTT

Environmental Lab of Texas, Inc. 12600 West I-20 E. Odessa, Texas 79763  
(915) 563-1800 FAX (915) 563-1713

Oct 06 00 11:18a

P. 5

Project Manager:

BETH ALARICH

Phone #: (805) 397-4852

FAX #: (805) 397-4701

Company Name & Address:

2540 W MARLAND HOBBS NM

Project #:

EOT 2022C

Project Name:

SPS-11

Project Location:

LEA COUNTY NM

Supplier Signature:

*[Signature]*

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING DATE	TIME		
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE			NONE	OTHER
31360	MW 15	2	VX								X	X		9-22-09	0945
31361	MW 16														0908
31362	MW 17														1150
31363	MW 18														1143
31364	MW 19														1137
31365	MW 20														1054
31366	MW 21														1047
31367	MW 22														0959
31368	MW 23														0910
31369	MW 24														0952
31370	MW 25														0945

REMARKS

Rec-4°C

Received by:

*[Signature]*

Received by:

Received by Laboratory:

Date:

9-27-04

Date:

Date:

Relinquished by:

*[Signature]*

Relinquished by:

Relinquished by:

ANALYSIS REQUEST

2063

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 236

TCLP Metals Ag As Ba Cd Cr Pb Hg Se  
Total Metals Ag As Ba Cd Cr Pb Hg Se  
TCLP Volatiles  
TCLP Semi Volatiles  
TDS  
RCI

TPH 418.1  
BTEX 8020.0

INVOICE: EOT  
FAX RESULTS: HOBBS OFFICE  
MAIL RESULTS: EOT

Environmental Lab of Texas, Inc. 12600 West I-20 E Odessa, Texas 79763  
(915) 563-1800 FAX (915) 563-1713

Oct 06 00 11:18a

p. 6

Project Manager:

BETH ALDRICH

Phone #: (805) 397-4882

FAX #: (805) 397-4701

Company Name & Address:

ETGZ  
2540 W MARLAND HOBBS NM

Project #:

EOT 2022C

Project Name:

SPS-11

Project Location:

LEA COUNTY

Sampler Signature:

*[Signature]*

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX						PRESERVATIVE METHOD				SAMPLING	
				WATER	SOIL	AIR	SUDGE	OTHER	HCL	HNO3	ICE	NONE	OTHER	DATE	TIME
31371	MW 26	2	V	Y					Y	Y	Y			7/28/04	1203
31372	MW 27														1157
31373	MW 28														1209
31374	E 13	Y	Y	Y					Y	Y	Y			Y	1215
31375	MW 14	Y	Y	Y					Y	Y	Y			Y	0949

TPH 418.1  
BTX 810.0

ANALYSIS REQUEST

3063

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 236

Relinquished by:

*[Signature]*

Date:

9-27-04

Times:

0800

Received by:

*[Signature]*

REMARKS

Rec 4°C

INVOICE: EOT  
FAX RESULTS: HOBBS OFFICE  
MAIL RESULTS: EOT

Relinquished by:

Date:

Times:

Received by:

Received by Laboratory:

Date:

Times:



# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

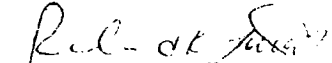
Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ -2.0 deg. C  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 12/28/00  
Receiving Date: 12/30/00  
Analysis Date: 01/01/01

ELT #	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
35769	MW 1	1.99	0.050	0.442	0.110	0.056
35770	MW 2	0.002	0.001	0.001	<0.001	<0.001
35771	MW 3	<0.001	<0.001	<0.001	<0.001	<0.001
35772	MW 4	0.011	0.002	0.003	<0.001	<0.001
35773	MW 6	0.010	0.001	0.002	<0.001	<0.001
35774	MW 7	0.043	0.002	0.040	0.002	<0.001
35775	MW 9	0.867	<0.010	0.344	0.043	<0.010
35776	MW 10	0.018	0.003	0.015	0.002	0.002
35777	MW 11	0.250	<0.001	<0.001	<0.001	<0.001
35778	MW 12	0.313	0.006	0.063	0.012	0.004
35779	MW 13	<0.001	<0.001	<0.001	<0.001	<0.001
35780	MW 14	3.97	0.003	0.392	0.239	0.015

%IA	89	89	91	96	92
%EA	87	88	88	93	89
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B, 5030

  
Raland K. Tuttle

01-01-01  
Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

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

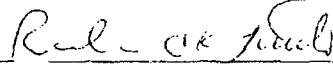
Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ -2.0 deg C  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 12/28/00  
Receiving Date: 12/30/00  
Analysis Date: 01/03/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
35781	MW 15	0.028	<0.001	<0.001	<0.001	<0.001
35782	MW 16	0.043	0.032	0.007	0.004	0.002
35783	MW 17	0.065	0.080	0.024	0.014	0.007
35784	MW 18	0.007	<0.001	0.002	0.001	<0.001
35785	MW 19	0.012	<0.001	0.002	<0.001	<0.001
35786	MW 20	0.005	<0.001	0.001	<0.001	<0.001
35787	MW 21	<0.001	<0.001	<0.001	<0.001	<0.001
35788	MW 22	<0.001	<0.001	<0.001	<0.001	<0.001
35789	MW 23	0.001	<0.001	<0.001	<0.001	<0.001
35790	MW 24	1.38	<0.010	<0.010	<0.010	<0.010
35791	MW 25	<0.001	<0.001	<0.001	<0.001	<0.001
35792	MW 26	0.386	0.130	0.040	0.025	0.014
35793	MW 27	0.003	0.004	0.002	<0.001	<0.001
35794	MW 28	4.08	0.073	0.469	0.150	0.038
35795	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001

%IA	102	107	102	105	104
%EA	99	92	90	88	93
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

  
Roland K. Tuttle

01-04-01  
Date

COLA 301 Page 1 of 3

EOTT ENERGY CORP. - Projects Only									
<b>ET</b> Environmental Technology Group, Inc. 4600 West Wall Midland, TX 79703 Tel (915) 522-1139 Fax (915) 520-4310		2540 West Marland Hubbs, NM 88242 Tel (505) 397-4882 Fax (505) 397-4701		EOTT ENERGY CORP. East Business 20 TX 79702 (915) 687-3400 (915) 582-2781		5805 Midland Tel Fax			
For Use On <b>EOTT ENERGY CORP.</b> Projects Only									
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST									
ANALYSIS REQUEST (Circle or Specify Method No.)									
TDS 160.1 Semi Volatiles 8270C Volatiles 8260B TCLP Semi-Volatiles TCLP Volatiles TCLP Metals Ag As Ba Cd Cr Pb Se Hg Total Metals Ag As Ba Cd Cr Pb Se Hg 8010B/47D PAH 8270C (8100 New Mexico only) TPH 8015M GRO/DRO TPH 418 1/TX 1005 BTEX 80218M									
LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	VOLUME/AMOUNT	MATRIX	PRESERVATION METHOD	SAMPLING	DATE	TIME	
357169	MW 1	2	✓	WATER	HCL	✓	12/18	1400	✓
357170	MW 2			WATER	HCL		12/18	1230	
357171	MW 3			WATER	HCL		12/15	1315	
357172	MW 4			WATER	HCL		12/15	1330	
357173	MW 6			WATER	HCL		12/15	1410	
357174	MW 7			WATER	HCL		12/15	1340	
357175	MW 9			WATER	HCL		12/15	1415	
357176	MW 10			WATER	HCL		12/15	1100	
357177	MW 11			WATER	HCL		12/15	1554	
357178	MW 12			WATER	HCL		12/15	1529	
357179	MW 13			WATER	HCL		12/15	1200	
357180	MW 14			WATER	HCL		12/15	1515	
Relinquished by: <u>Donna Davis</u> Date: <u>12/29/00</u> Time: <u>4:00</u> Relinquished by: <u>Donna Davis</u> Date: <u>12/29/00</u> Time: <u>4:00</u> Relinquished by: <u>Donna Davis</u> Date: <u>12/29/00</u> Time: <u>12:30</u>									
Received by: <u>Donna Davis</u> Date: <u>12/29/00</u> Time: <u>4:00</u> Received at Lab by: <u>Donna Davis</u> Date: <u>12/29/00</u> Time: <u>12:30</u>									
REMARKS: Rec-2.0°C Fax Results: Hobbs Mail Results: EOTT Invoice: EOTT									

Coc 301 Page 2 of 3

EOTT ENERGY CORP. Projects Only												
For Use On					Projects Only							
4600 West Wall Midland, TX 79703 Tel (915) 522-1139 Fax (915) 520-4310					EOTT ENERGY CORP. East Business 20 TX 79702 Tel (915) 687-3400 Fax (915) 582-2781							
<b>CHAIN-OF-CUSTODY AND ANALYSIS REQUEST</b> <b>ANALYSIS REQUEST</b> (Circle or Specify Method No.)												
Project Manager: <b>BETH ANDRICH</b>		EOTT Leak Number:										
Project Name: <b>SPS - 11</b>		ETGI Project Number: <b>EOT 2022C</b>										
Project Location: <b>LEA County NM</b>		Sampler Signature: <i>Simon Casas</i>										
LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	VOLUME/AMOUNT	MATRIX			PRESERVATION METHOD			SAMPLING DATE	TIME	
				WATER	AIR	SLUDGE	HCL	HNO <sub>3</sub>	NaHSO <sub>4</sub>			ICE
35781	MW 15	2	V X				X				12/28/15	07
35782	MW 16											1459
35783	MW 17											1609
35784	MW 18											1546
35785	MW 19											1535
35786	MW 20											1606
35787	MW 21											1255
35788	MW 22											1130
35789	MW 23											1450
35790	MW 24											1438
35791	MW 25											1425
35792	MW 26											1626
Relinquished by: <i>Simon Casas</i>		Date: 12-29-00		Time: 4:00		Received by: <i>David Dwyer</i>		Date: 12-29-00		Time: 4:00		
Relinquished by: <i>Simon Casas</i>		Date: 12-30-00		Time: 12:30		Received at Lab by: <i>Simon Casas</i>		Date: 12-30-00		Time: 12:30		
REMARKS: Rec -2.0'C												

Environmental Technology Group, Inc.

# 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: 520-4310  
FAX: 505-397-4701

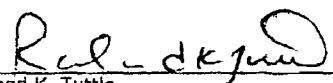
Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ 0.5 deg. C  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 03/14/01  
Receiving Date: 03/26/01  
Analysis Date: 03/27/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
38449	MW 1	2.72	0.199	0.659	0.200	0.075
38450	MW 2	0.001	0.001	<0.001	<0.001	<0.001
38451	MW 3	0.004	0.005	0.003	0.003	<0.001
38452	MW 4	0.008	<0.001	0.002	<0.001	<0.001
38453	MW 6	0.021	<0.001	0.004	0.001	<0.001
38454	MW 7	0.055	0.002	0.057	0.002	<0.001
38457	MW 11	0.105	<0.001	<0.001	<0.001	<0.001
38458	MW 12	0.424	0.013	0.037	0.016	0.004
38459	MW 13	0.002	<0.001	0.003	<0.001	<0.001

%IA	99	104	108	106	107
%EA	98	104	108	107	109
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B, 5030

  
Raland K. Tuttle

3-29-01  
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: 520-4310

FAX: 505-397-4701

Sample Type: Water

Sample Condition: Intact/ Iced/ HCl/ 0.5 deg. C

Project #: EOT 2022C

Project Name: SPS-11

Project Location: Lea County, N.M.

Sampling Date: 03/14/01

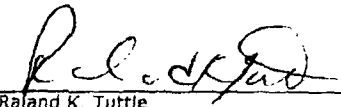
Receiving Date: 03/26/01

Analysis Date: 03/28/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
38455	MW 9	2.52	<0.010	1.12	0.098	0.019
38456	MW 10	0.011	0.004	0.013	0.002	0.002
38460	MW 14	3.92	<0.020	0.483	0.157	<0.020
38461	MW 15	0.023	<0.001	0.003	<0.001	<0.001
38462	MW 16	0.057	0.036	0.015	0.006	0.002
38463	MW 17	0.045	0.057	0.023	0.013	0.006
38464	MW 18	<0.001	<0.001	<0.001	<0.001	<0.001
38465	MW 19	0.008	<0.001	0.002	<0.001	<0.001
38466	MW 20	<0.001	<0.001	<0.001	<0.001	<0.001
38467	MW 21	<0.001	<0.001	<0.001	<0.001	<0.001
38468	MW 22	0.008	<0.001	0.004	<0.001	<0.001
38469	MW 23	0.001	<0.001	<0.001	<0.001	<0.001

%IA	91	97	100	99	99
%EA	93	99	104	101	103
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B, 5030

  
Raland K. Tuttle

3-29-01  
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: 520-4310  
FAX: 505-397-4701

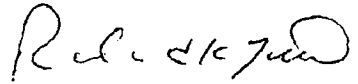
Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ 0.5 deg. C  
Project #: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea County, N.M.

Sampling Date: 03/14/01  
Receiving Date: 03/26/01  
Analysis Date: 03/28/01

ELT #	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
38470	MW 24	1.81	0.045	0.019	<0.010	0.012
38471	MW 25	<0.001	<0.001	<0.001	<0.001	<0.001
38472	MW 26	0.731	0.267	0.160	0.075	0.031
38473	MW 27	<0.001	0.002	<0.001	<0.001	<0.001
38474	MW 28	2.73	0.018	0.212	0.025	0.020
38475	EB 1	<0.001	<0.001	<0.001	<0.001	<0.001

%IA	89	93	97	95	97
%EA	90	89	92	89	90
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

  
Raland K. Tuttle

3-29-01  
Date



Page 1 of 1

COC #038

**ET**  
Environmental Technology Group, Inc.  
4600 West Wall  
Midland, TX 79703  
Tel (915) 522-1139  
Fax (915) 520-4310

**EOTT ENERGY CORP.** Projects Only  
5805  
Midland, TX 79702  
Tel (915) 687-3400  
Fax (915) 582-2181

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST  
(Circle or Specify Method No.)

Project Manager: **JESSE TAYLOR**  
Project Name: **SPS-11**  
Project Location: **LEA County NM**

EOTT Leak Number: **EOT 2022C**  
ETGI Project Number: **EOT 2022C**  
Sampler Signature: *[Signature]*

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATION METHOD				SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCL	HNO <sub>3</sub>	NaHSO <sub>4</sub>	ICE	DATE	TIME
38449	MW 1	2	U X	X				X			Y	3-14	1020
38450	MW 2												1430
38451	MW 3												1441
38452	MW 4												0915
38453	MW 6												1240
38454	MW 7												1000
38455	MW 9												1229
38456	MW 10												0939
38457	MW 11												1010
38458	MW 12												1422
38459	MW 13												1251
38460	MW 14												1411

REMARKS:  
Far Results: Hobbs Office  
Main Results: EOTI  
Invoice: EOTI

[illegible]

COC # 038

Page 3 of 3

## For Use On EOTT ENERGY CORP. Projects Only

4600 West Wall  
Midland, TX 79703  
Tel (915) 522-1139  
Fax (915) 520-4310

5905  
EOTT ENERGY CORP.  
East Business 20  
TX 79702  
(915) 887-3400  
Fax (915) 887-2781

ET

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST  
(Circle or Specify Method No.)

Project Manager: JESSE TAYLOR

Project Name: SPS-11

Project Location: SPS County NM

EOTT Leak Number:

ETGI Project Number: EOT 2022C

Sampler Signature: *Jesse Taylor*

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATION METHOD				SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCL	HNO <sub>3</sub>	NaHSO <sub>4</sub>	ICE	DATE	TIME
38473	MW 27	2	V	X				X			X	3-14	1532
38474	MW 28	1	V	X				X			X	1545	
38475	ESB 1	1	V	X				X			X	1600	

Relinquished by: <i>Jesse Taylor</i>	Date: 3-23-01	Time: 0700
Relinquished by: <i>Jesse Taylor</i>	Date: 3-26-01	Time: 3:00

REMARKS:  
 FAX Results: Hobbs Office  
 MAIL Results: EOTT  
 INVOICE: EOTT  
 0.5°C

Report Date: June 25, 2001 Order Number: A01061809  
 EOT 2022C SPS-11

Page Number: 1 of 2  
 Lea County, NM

## Summary Report

Ken Dutton  
 ETGI  
 2540 W. Marland  
 Hobbs, NM

Report Date: June 25, 2001

Order ID Number: A01061809

Project Number: EOT 2022C  
 Project Name: SPS-11  
 Project Location: Lea County, NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
173437	MW-1	Water	6/6/01	10:10	6/16/01
173438	MW-2	Water	6/6/01	10:40	6/16/01
173439	MW-3	Water	6/6/01	11:00	6/16/01
173440	MW-4	Water	6/6/01	14:57	6/16/01
173441	MW-6	Water	6/6/01	11:30	6/16/01
173442	MW-7	Water	6/6/01	14:47	6/16/01
173443	MW-9	Water	6/6/01	12:00	6/16/01
173444	MW-10	Water	6/6/01	14:40	6/16/01
173445	MW-11	Water	6/6/01	15:09	6/16/01
173446	MW-12	Water	6/6/01	13:15	6/16/01
173447	MW-13	Water	6/6/01	13:10	6/16/01
173448	MW-14	Water	6/6/01	13:20	6/16/01
173449	MW-15	Water	6/6/01	13:27	6/16/01
173450	MW-16	Water	6/6/01	13:35	6/16/01
173451	MW-17	Water	6/6/01	16:15	6/16/01
173452	MW-18	Water	6/6/01	14:20	6/16/01
173453	MW-19	Water	6/6/01	14:30	6/16/01
173454	MW-20	Water	6/6/01	14:10	6/16/01
173455	MW-21	Water	6/6/01	13:55	6/16/01
173456	MW-22	Water	6/6/01	13:00	6/16/01
173457	MW-23	Water	6/6/01	12:45	6/16/01
173458	MW-24	Water	6/6/01	12:30	6/16/01
173459	MW-25	Water	6/6/01	12:15	6/16/01
173460	MW-26	Water	6/6/01	15:30	6/16/01
173461	MW-27	Water	6/6/01	15:45	6/16/01
173462	MW-28	Water	6/6/01	16:00	6/16/01
173463	EB-1	Water	6/6/01	16:30	6/16/01

This report consists of a total of 2 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample - Field Code	BTEx				
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	M,P,O-Xylene (mg/L)	Total BTEx (mg/L)
173437 - MW-1	3.56	0.155	0.812	0.372	4.9
173438 - MW-2	0.0072	0.0125	<0.001	<0.001	0.0197
173439 - MW-3	0.0063	<0.001	<0.001	<0.001	0.0063
173440 - MW-4	0.0195	<0.001	<0.001	<0.001	0.0195
173441 - MW-6	0.0238	<0.001	<0.001	<0.001	0.0366
173442 - MW-7	0.0797	<0.005	0.0785	<0.005	0.158

Continued ...

Report Date: June 25, 2001 Order Number: A01061809  
EOT 2022C SPS-11Page Number: 2 of 2  
Lea County, NM

Continued ...

Sample - Field Code	BTEX				
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	M,P,O-Xylene (mg/L)	Total BTEX (mg/L)
173443 - MW-9	2.98	<0.005	1.15	0.198	4.33
173444 - MW-10	0.0218	<0.001	0.016	0.0351	0.0729
173445 - MW-11	0.0732	<0.001	0.0127	0.0351	0.0729
173446 - MW-12	0.419	0.0126	0.0522	0.04	0.524
173447 - MW-13	<0.001	<0.001	<0.001	<0.001	<0.001
173448 - MW-14	5.46	<0.005	0.695	0.418	6.57
173449 - MW-15	0.0207	<0.001	<0.001	<0.001	0.0207
173450 - MW-16	0.0437	0.0161	0.0165	0.035	0.111
173451 - MW-17	0.096	0.0581	0.0282	0.0417	0.224
173452 - MW-18	0.0055	<0.001	<0.001	<0.001	0.0055
173453 - MW-19	0.0059	<0.001	<0.001	<0.001	0.0059
173454 - MW-20	<0.001	<0.001	<0.001	<0.001	<0.001
173455 - MW-21	<0.005	<0.005	<0.005	<0.005	<0.005
173456 - MW-22	0.0055	<0.001	<0.001	<0.001	0.0055
173457 - MW-23	0.0057	<0.001	<0.001	<0.001	0.0057
173458 - MW-24	0.909	<0.001	<0.001	<0.001	0.909
173459 - MW-25	0.0066	<0.001	<0.001	<0.001	0.0066
173460 - MW-26	1.01	0.263	0.179	0.204	1.66
173461 - MW-27	0.0048	<0.001	<0.001	<0.001	0.0048
173462 - MW-28	2.06	0.0642	0.121	0.182	2.43
173463 - EB-1	<0.001	<0.001	<0.001	<0.001	<0.001



# TRACE ANALYSIS, INC.



6701 Aberdeen Avenue, Suite 9  
155 McCutcheon, Suite H

Lubbock, Texas 79424  
El Paso, Texas 79932

800•378•1296

888•588•3443

806•794•1296

915•585•3443

FAX 806•794•1298

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: A01061809

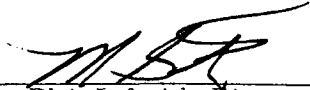
Project Number: EOT 2022C  
Project Name: SPS-11  
Project Location: Lea County, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
173437	MW-1	Water	6/6/01	10:10	6/16/01
173438	MW-2	Water	6/6/01	10:40	6/16/01
173439	MW-3	Water	6/6/01	11:00	6/16/01
173440	MW-4	Water	6/6/01	14:57	6/16/01
173441	MW-6	Water	6/6/01	11:30	6/16/01
173442	MW-7	Water	6/6/01	14:47	6/16/01
173443	MW-9	Water	6/6/01	12:00	6/16/01
173444	MW-10	Water	6/6/01	14:40	6/16/01
173445	MW-11	Water	6/6/01	15:09	6/16/01
173446	MW-12	Water	6/6/01	13:15	6/16/01
173447	MW-13	Water	6/6/01	13:10	6/16/01
173448	MW-14	Water	6/6/01	13:20	6/16/01
173449	MW-15	Water	6/6/01	13:27	6/16/01
173450	MW-16	Water	6/6/01	13:35	6/16/01
173451	MW-17	Water	6/6/01	16:15	6/16/01
173452	MW-18	Water	6/6/01	14:20	6/16/01
173453	MW-19	Water	6/6/01	14:30	6/16/01
173454	MW-20	Water	6/6/01	14:10	6/16/01
173455	MW-21	Water	6/6/01	13:55	6/16/01
173456	MW-22	Water	6/6/01	13:00	6/16/01
173457	MW-23	Water	6/6/01	12:45	6/16/01
173458	MW-24	Water	6/6/01	12:30	6/16/01
173459	MW-25	Water	6/6/01	12:15	6/16/01
173460	MW-26	Water	6/6/01	15:30	6/16/01
173461	MW-27	Water	6/6/01	15:45	6/16/01
173462	MW-28	Water	6/6/01	16:00	6/16/01
173463	EB-1	Water	6/6/01	16:30	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 17 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.



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Dr. Blair Leftwich, Director

## Analytical Report

### Sample: 173437 - MW-1

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12036 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10306 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		3.56	mg/L	5	0.001
Toluene		0.155	mg/L	5	0.001
Ethylbenzene		0.812	mg/L	5	0.001
M,P,O-Xylene		0.372	mg/L	5	0.001
Total BTEX		4.9	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.492	mg/L	5	0.10	98	72 - 128
4-BFB		0.462	mg/L	5	0.10	92	72 - 128

### Sample: 173438 - MW-2

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12036 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10306 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0072	mg/L	1	0.001
Toluene		0.0125	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		0.0197	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.104	mg/L	1	0.10	104	72 - 128
4-BFB		0.084	mg/L	1	0.10	84	72 - 128

### Sample: 173439 - MW-3

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12036 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10306 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0063	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		0.0063	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		0.101	mg/L	1	0.10	101	72 - 128
4-BFB		0.0829	mg/L	1	0.10	82	72 - 128

**Sample: 173440 - MW-4**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12036 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10306 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0195	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		0.0195	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.1	mg/L	1	0.10	100	72 - 128
4-BFB		0.0809	mg/L	1	0.10	80	72 - 128

**Sample: 173441 - MW-6**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12036 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10306 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0238	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		0.0366	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.089	mg/L	1	0.10	89	72 - 128
4-BFB	<sup>1</sup>	0.0701	mg/L	1	0.10	70	72 - 128

**Sample: 173442 - MW-7**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12036 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10306 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0797	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001

Continued ...

<sup>1</sup> Surrogate recovery outside normal range due to matrix difficulties.

... Continued Sample: 173442 Analysis: BTEX

Param	Flag	Result	Units	Dilution	RDL
Ethylbenzene		0.0785	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		0.158	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.492	mg/L	5	0.10	98	72 - 128
4-BFB		0.396	mg/L	5	0.10	79	72 - 128

**Sample: 173443 - MW-9**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12036 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10306 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		2.98	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		1.15	mg/L	5	0.001
M,P,O-Xylene		0.198	mg/L	5	0.001
Total BTEX		4.33	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.479	mg/L	5	0.10	95	72 - 128
4-BFB		0.455	mg/L	5	0.10	91	72 - 128

**Sample: 173444 - MW-10**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0218	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		0.016	mg/L	1	0.001
M,P,O-Xylene		0.0351	mg/L	1	0.001
Total BTEX		0.0729	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.103	mg/L	1	0.10	103	72 - 128
4-BFB		0.0912	mg/L	1	0.10	91	72 - 128

**Sample: 173445 - MW-11**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0732	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		0.0127	mg/L	1	0.001
M,P,O-Xylene		0.0351	mg/L	1	0.001
Total BTEX		0.0729	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.108	mg/L	1	0.10	108	72 - 128
4-BFB		0.124	mg/L	1	0.10	124	72 - 128

**Sample: 173446 - MW-12**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.419	mg/L	1	0.001
Toluene		0.0126	mg/L	1	0.001
Ethylbenzene		0.0522	mg/L	1	0.001
M,P,O-Xylene		0.04	mg/L	1	0.001
Total BTEX		0.524	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0965	mg/L	1	0.10	96	72 - 128
4-BFB		0.0944	mg/L	1	0.10	94	72 - 128

**Sample: 173447 - MW-13**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	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		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0822	mg/L	1	0.10	82	72 - 128
4-BFB	<sup>2</sup>	0.0596	mg/L	1	0.10	59	72 - 128

<sup>2</sup>Surrogate recovery outside normal limits due to matrix difficulties.

**Sample: 173448 - MW-14**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		5.46	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		0.695	mg/L	5	0.001
M,P,O-Xylene		0.418	mg/L	5	0.001
Total BTEX		6.57	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.511	mg/L	1	0.10	102	72 - 128
4-BFB		0.461	mg/L	1	0.10	92	72 - 128

**Sample: 173449 - MW-15**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0207	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		0.0207	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.1	mg/L	1	0.10	100	72 - 128
4-BFB		0.0811	mg/L	1	0.10	81	72 - 128

**Sample: 173450 - MW-16**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0437	mg/L	1	0.001
Toluene		0.0161	mg/L	1	0.001
Ethylbenzene		0.0165	mg/L	1	0.001
M,P,O-Xylene		0.035	mg/L	1	0.001
Total BTEX		0.111	mg/L	1	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		0.0945	mg/L	1	0.10	94	72 - 128

**Sample: 173451 - MW-17**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.096	mg/L	1	0.001
Toluene		0.0581	mg/L	1	0.001
Ethylbenzene		0.0282	mg/L	1	0.001
M,P,O-Xylene		0.0417	mg/L	1	0.001
Total BTEX		0.224	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.108	mg/L	1	0.10	108	72 - 128
4-BFB		0.0953	mg/L	1	0.10	95	72 - 128

**Sample: 173452 - MW-18**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0055	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		0.0055	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.108	mg/L	1	0.10	108	72 - 128
4-BFB		0.089	mg/L	1	0.10	89	72 - 128

**Sample: 173453 - MW-19**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0059	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		0.0059	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.105	mg/L	1	0.10	105	72 - 128
4-BFB		0.0862	mg/L	1	0.10	86	72 - 128

**Sample: 173454 - MW-20**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	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		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0988	mg/L	1	0.10	98	72 - 128
4-BFB		0.0814	mg/L	1	0.10	81	72 - 128

**Sample: 173455 - MW-21**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

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		0.446	mg/L	1	0.10	89	72 - 128
4-BFB		0.398	mg/L	1	0.10	79	72 - 128

**Sample: 173456 - MW-22**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0055	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		0.0055	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0901	mg/L	1	0.10	90	72 - 128
4-BFB		0.0732	mg/L	1	0.10	73	72 - 128

**Sample: 173457 - MW-23**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0057	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		0.0057	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0974	mg/L	1	0.10	97	72 - 128
4-BFB		0.0801	mg/L	1	0.10	80	72 - 128

**Sample: 173458 - MW-24**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.909	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		0.909	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.105	mg/L	1	0.10	105	72 - 128
4-BFB		0.106	mg/L	1	0.10	106	72 - 128

**Sample: 173459 - MW-25**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0066	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		0.0066	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0999	mg/L	1	0.10	99	72 - 128
4-BFB		0.0829	mg/L	1	0.10	82	72 - 128

**Sample: 173460 - MW-26**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		1.01	mg/L	5	0.001
Toluene		0.263	mg/L	5	0.001
Ethylbenzene		0.179	mg/L	5	0.001
M,P,O-Xylene		0.204	mg/L	5	0.001
Total BTEX		1.66	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.46	mg/L	1	0.10	92	72 - 128
4-BFB		0.405	mg/L	1	0.10	81	72 - 128

**Sample: 173461 - MW-27**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

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		0.0977	mg/L	1	0.10	97	72 - 128
4-BFB		0.0805	mg/L	1	0.10	80	72 - 128

**Sample: 173462 - MW-28**

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC12037 Date Analyzed: 6/18/01  
Analyst: CG Preparation Method: E 5030B Prep Batch: PB10307 Date Prepared: 6/18/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		2.06	mg/L	5	0.001
Toluene		0.0642	mg/L	5	0.001
Ethylbenzene		0.121	mg/L	5	0.001
M,P,O-Xylene		0.182	mg/L	5	0.001
Total BTEX		2.43	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.45	mg/L	1	0.10	90	72 - 128
4-BFB		0.408	mg/L	1	0.10	81	72 - 128



**Sample: 173463 - 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		<0.001	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		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.113	mg/L	1	0.10	113	72 - 128
4-BFB		0.0933	mg/L	1	0.10	93	72 - 128

## Quality Control Report Method Blank

### Method Blank

QCBatch: QC12036

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		0.101	mg/L	1	0.10	101	72 - 128
4-BFB		0.0889	mg/L	1	0.10	88	72 - 128

### Method Blank

QCBatch: QC12037

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		0.0972	mg/L	1	0.10	99	72 - 128
4-BFB		0.0752	mg/L	1	0.10	81	72 - 128

### 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: QC12036

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.0965	0.0969	mg/L	1	0.10	<0.001	96	0	80 - 120	20
Benzene	0.104	0.104	mg/L	1	0.10	<0.001	104	0	80 - 120	20
Toluene	0.1	0.102	mg/L	1	0.10	<0.001	100	1	80 - 120	20
Ethylbenzene	0.1	0.102	mg/L	1	0.10	<0.001	100	1	80 - 120	20
M,P,O-Xylene	0.3	0.303	mg/L	1	0.30	<0.001	100	0	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.101	0.105	mg/L	1	0.10	101	105	72 - 128
4-BFB	0.0943	0.0994	mg/L	1	0.10	94	99	72 - 128

### Laboratory Control Spikes

QCBatch: QC12037

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.0951	0.0953	mg/L	1	0.10	<0.001	95	0	80 - 120	20
Benzene	0.105	0.104	mg/L	1	0.10	<0.001	105	0	80 - 120	20
Toluene	0.0995	0.0993	mg/L	1	0.10	<0.001	99	0	80 - 120	20
Ethylbenzene	0.101	0.101	mg/L	1	0.10	<0.001	101	0	80 - 120	20
M,P,O-Xylene	0.3	0.298	mg/L	1	0.30	<0.001	100	0	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	0.106	0.104	mg/L	1	0.10	106	104	72 - 128
4-BFB	0.098	0.0973	mg/L	1	0.10	98	97	72 - 128

### 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: QC12036

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0938	93	85 - 115	6/18/01
Benzene		mg/L	0.10	0.1024	102	85 - 115	6/18/01
Toluene		mg/L	0.10	0.0984	98	85 - 115	6/18/01
Ethylbenzene		mg/L	0.10	0.0986	98	85 - 115	6/18/01
M,P,O-Xylene		mg/L	0.30	0.2919	97	85 - 115	6/18/01

### CCV (2)

QCBatch: QC12036

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	6/18/01
Benzene		mg/L	0.10	0.107	107	85 - 115	6/18/01
Toluene		mg/L	0.10	0.101	101	85 - 115	6/18/01
Ethylbenzene		mg/L	0.10	0.103	103	85 - 115	6/18/01
M,P,O-Xylene		mg/L	0.30	0.306	102	85 - 115	6/18/01

### ICV (1)

QCBatch: QC12036

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.101	101	85 - 115	6/18/01
Benzene		mg/L	0.10	0.104	104	85 - 115	6/18/01
Toluene		mg/L	0.10	0.103	103	85 - 115	6/18/01
Ethylbenzene		mg/L	0.10	0.103	103	85 - 115	6/18/01
M,P,O-Xylene		mg/L	0.30	0.306	102	85 - 115	6/18/01

### CCV (1)

QCBatch: QC12037

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0964	96	85 - 115	6/18/01
Benzene		mg/L	0.10	0.106	106	85 - 115	6/18/01

Continued ...

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.10	0.0998	99	85 - 115	6/18/01
Ethylbenzene		mg/L	0.10	0.101	101	85 - 115	6/18/01
M,P,O-Xylene		mg/L	0.30	0.301	100	85 - 115	6/18/01

## CCV (2)

QCBatch: QC12037

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0964	96	85 - 115	6/18/01
Benzene		mg/L	0.10	0.1041	104	85 - 115	6/18/01
Toluene		mg/L	0.10	0.0978	97	85 - 115	6/18/01
Ethylbenzene		mg/L	0.10	0.0999	99	85 - 115	6/18/01
M,P,O-Xylene		mg/L	0.30	0.2974	99	85 - 115	6/18/01

## ICV (1)

QCBatch: QC12037

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	6/18/01
Benzene		mg/L	0.10	0.108	108	85 - 115	6/18/01
Toluene		mg/L	0.10	0.102	102	85 - 115	6/18/01
Ethylbenzene		mg/L	0.10	0.104	104	85 - 115	6/18/01
M,P,O-Xylene		mg/L	0.30	0.306	102	85 - 115	6/18/01

## 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
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

Continued ...

... Continued

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.10	0.0944	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

155 McCutcheon, Suite H  
El Paso, Texas 79932  
Tel (915) 585-3443  
Fax (915) 585-4944  
1 (888) 588-3443

Phone #: (505) 397-4882

Fax #: (505) 392-4701

---

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Project Name: PS-11

Sample Signature: 

<p><i>Simon Cass</i></p>	<p><b>PRESERVATIVE</b></p>
--------------------------	----------------------------

[illegible]

Date: Time:

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Copy: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

**ORIGINAL COPY**

6701 Aberdeen Avenue, Ste. 9  
Lubbock, Texas 79424  
Tel (806) 794-1296  
Fax (806) 794-1298  
1 (800) 378-1296

# TraceAnalysis, Inc.

**55 McCutcheon, Suite H**  
**El Paso, Texas 79932**  
**Tel (915) 585-3443**  
**Fax (915) 585-4944**  
**1 (888) 588-3443**

**Company Name:**

Phone #: 805-397-4822

Address: \_\_\_\_\_ (Street, City, Zip)

Address: 2540 W MARLBOROUGH (Street, City, Zip) Hobbs NM 87401 (505) 397-4701 Fax #:

Contact Person: Ken Dutton

**Invoice to:**

Invoice to: EO  
(If different from above)

**Project #:**

Project Name: 2011

**Project Location:**

Sampler Signature: \_\_\_\_\_

Project Location: LEA County, NM

[illegible]

**Relinquished by:**

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by:

Date: \_\_\_\_\_ Time: \_\_\_\_\_

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Relinquished by:

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: 1726

Date: \_\_\_\_\_ Time: \_\_\_\_\_

\_\_\_\_\_

Relinquished by:

Date: / Time:

Received at Laboratory by:

Date: / Time:

1

**LAB USE ONLY**

Intact Y / N

Headspace	Y / N
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3	1
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Temp

Temp \_\_\_\_\_  
Log-in Review \_\_\_\_\_

☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on ~~reverse~~ <sup>back</sup> side of C.O.C.

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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

Company Name: FTE

Phone #: (505) 397-4882

Address: (Street, City, Zip)

Address: 2540 W Maryland (Street, City, Zip) 60381 NM 88240 (505) 397-4701 Fax #:

Contact Person: KEN DUTTON

**Invoice to:**

Invoice to: **EOI**  
(If different from above)

**Project #:**

Project Name:

**Project Location:**

Project Location: LEA County, NM

07-11  
Sappler Signature

Sampler Signature: *[Signature]*

[illegible]

Relinquished by:

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by:

Date: Time:

Received by:	Date:	Time:
C. L. B. D.	6-15-61	1733

**Relinquished by:**

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by:

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: Paul J. Williams Date: 1/11/2001 Time: 11:00

**Relinquished by:**

Date: / Time:

Received at Laboratory by:

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received at Laboratory by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

## ANALYSIS REQUEST

(Circle or Specify Method No.)

	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 Semil. Vol. 8270C/625
	PCBs 8082/608
	Pesticides 8081A/608
	BOD, TSS, pH
	Turn Around Time if different from standard
	Hold

**LAB USE ONLY**

intact Y / N

ntact	Y / N
1	1
2	1
3	1
4	1
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97	1
98	1
99	1
100	1

## Headspace

Headspace  
Y / N

Temp

Temp

☐ Check If Special Reporting Limits Are Needed

Carrier #

**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#:** 120071 **Report Date:** 10/12/01

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 1

**Sample Matrix:** water

**Date Received:** 10/02/2001 **Time:** 16:31

**Date Sampled:** 09/28/2001 **Time:** 13:25

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/12/01	8260b	---	---	---	---	---
Benzene	1280	µg/L	10	<10	10/11/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	366	µg/L	10	<10	10/11/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	145	µg/L	1	<1	10/12/01	8260b	---	0	103.7	101.6	99.8
o-Xylene	12.4	µg/L	1	<1	10/12/01	8260b	---	0.2	105.3	102.6	101.8
Toluene	65.1	µg/L	1	<1	10/12/01	8260b	---	0.8	86.9	80.1	85.3

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.

<b>Client:</b> Environmental Tech Group <b>Attn:</b> Ken Dutton	<b>Project ID:</b> SPS-11 EOT 2022C <b>Sample Name:</b> MW 1	<b>Report#/Lab ID#:</b> 120071 <b>Sample Matrix:</b> water
--	---	---

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	80.2	80-120	---
Toluene-d8	8260b	96.7	88-110	---

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

**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#:** 120072 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 2  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 13:37

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/10/01	8260b	---	---	---	---	---
Benzene	1.2	µg/L	1	<1	10/10/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	<1	µg/L	1	<1	10/10/01	8260b	J	0.9	104.5	99	102.1
m,p-Xylenes	<1	µg/L	1	<1	10/10/01	8260b	J	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/10/01	8260b	---	1.8	104	98.6	101.9
Toluene	1.31	µg/L	1	<1	10/10/01	8260b	---	1.1	88.1	86.8	100.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 2

Report#/Lab ID#: 120072  
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	92.3	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 120072 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 2  
Attn: Ken Dutton

### 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
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.

### Notes:

**Client:** Environmental Tech Group  
**Attn:** Ken Dutton  
**Address:** 2540 W. Matland  
Hobbs Nm 88240  
**Phone:** 505 397-4882 **FAX:** 505 397-4701

**Report#/Lab ID#:** 120073 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 3  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 12:45

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/10/01	8260b	---	---	---	---	---
Benzene	1.89	µg/L	1	<1	10/10/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	<1	µg/L	1	<1	10/10/01	8260b	J	0.9	104.5	99	102.1
m,p-Xylenes	1.04	µg/L	1	<1	10/10/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/10/01	8260b	---	1.8	104	98.6	101.9
Toluene	1.91	µg/L	1	<1	10/10/01	8260b	---	1.1	88.1	86.8	100.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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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: SPS-11 EOT 2022C  
Sample Name: MW 3

Report#/Lab ID#: 120073  
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	95.7	88-110	---

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



## Exceptions Report:

Report #/Lab ID#: 120073 Matrix: water  
Client: Environmental Tech Group Attn: Ken Dutton  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 3

### Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

### Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

### J flag Discussion

A J flag data qualifier indicates (as required under 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
Ethylbenzene	J	See J-flag discussion above.

### Notes:

**Client:** Environmental Tech Group  
**Attn:** Ken Dutton  
**Address:** 2540 W. Matland  
Hobbs Nm 88240  
**Phone:** 505 397-4882 **FAX:** 505 397-4701

**Report#/Lab ID#:** 120074 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 4  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 13:00

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/10/01	8260b	---	---	---	---	---
Benzene	12.3	µg/L	1	<1	10/10/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	2.9	µg/L	1	<1	10/10/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	1.04	µg/L	1	<1	10/10/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/10/01	8260b	J	1.8	104	98.6	101.9
Toluene	1.16	µg/L	1	<1	10/10/01	8260b	---	1.1	88.1	86.8	100.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 4

Report#/Lab ID#: 120074  
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	93.3	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 120074 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 4  
Attn: Ken Dutton

### Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
o-Xylene	J	See J-flag discussion above.

Notes:

**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#:** 120075 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 6  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 13:50

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		10/10/01	8260b	---	---	---	---	---
Benzene	26.6	µg/L	1	<1	10/10/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	4.35	µg/L	1	<1	10/10/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	1.54	µg/L	1	<1	10/10/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/10/01	8260b	---	1.8	104	98.6	101.9
Toluene	<1	µg/L	1	<1	10/10/01	8260b	J	1.1	88.1	86.8	100.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 6

Report#/Lab ID#: 120075  
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	95.1	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 120075	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: SPS-11 EOT 2022C		
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

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### J flag Discussion

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### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene	J	See J-flag discussion above.

### Notes:



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#:** 120076 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 7  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 13:15

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/10/01	8260b	---	---	---	---	---
Benzene	99.7	µg/L	1	<1	10/10/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	124	µg/L	1	<1	10/10/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	7.16	µg/L	1	<1	10/10/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	2.28	µg/L	1	<1	10/10/01	8260b	---	1.8	104	98.6	101.9
Toluene	3.95	µg/L	1	<1	10/10/01	8260b	---	1.1	88.1	86.8	100.7

#### QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 7

Report#/Lab ID#: 120076  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	82.8	80-120	---
Toluene-d8	8260b	96.2	88-110	---

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

**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#:** 120077 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 9  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 14:50

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatle organics-8260b/BTEX	---		---		10/12/01	8260b	---	---	---	---	---
Benzene	2360	µg/L	10	<10	10/11/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	1000	µg/L	10	<10	10/11/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	15	µg/L	2	<2	10/12/01	8260b	---	0	103.7	101.6	99.8
o-Xylene	<2	µg/L	2	<2	10/12/01	8260b	J	0.2	105.3	102.6	101.8
Toluene	<2	µg/L	2	<2	10/12/01	8260b	J	0.8	86.9	80.1	85.3

## QUALITY ASSURANCE DATA<sup>1</sup>

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.



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#:** 120077 **Report Date:** 10/12/01

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 9

**Sample Matrix:** water

**Date Received:** 10/02/2001 **Time:** 16:31

**Date Sampled:** 09/28/2001 **Time:** 14:50

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/12/01	8260b	---	---	---	---	---
Benzene	2360	µg/L	10	<10	10/11/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	1000	µg/L	10	<10	10/11/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	15	µg/L	2	<2	10/12/01	8260b	---	0	103.7	101.6	99.8
o-Xylene	<2	µg/L	2	<2	10/12/01	8260b	J	0.2	105.3	102.6	101.8
Toluene	<2	µg/L	2	<2	10/12/01	8260b	J	0.8	86.9	80.1	85.3

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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## Exceptions Report:

Report #/Lab ID#: 120077	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: SPS-11 EOT 2022C		
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
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

### Notes:

**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#:** 120078 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 10  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 16:00

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	6.62	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	7.79	µg/L	1	<1	10/11/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	1.04	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/11/01	8260b	J	1.8	104	98.6	101.9
Toluene	<1	µg/L	1	<1	10/11/01	8260b	J	1.1	88.1	86.8	100.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 10

Report#/Lab ID#: 120078  
Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.7	80-120	---
Toluene-d8	8260b	94	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 120078	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: SPS-11 EOT 2022C		
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
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

### Notes:

**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#:** 120079 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 11  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 15:50

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	12.6	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	1.01	µg/L	1	<1	10/11/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	<1	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/11/01	8260b	---	1.8	104	98.6	101.9
Toluene	<1	µg/L	1	<1	10/11/01	8260b	---	1.1	88.1	86.8	100.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 11

Report#/Lab ID#: 120079  
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	94.3	88-110	---

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

**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#:** 120080 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 12  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 15:00

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	62.7	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	7.95	µg/L	1	<1	10/11/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	6	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	1.43	µg/L	1	<1	10/11/01	8260b	---	1.8	104	98.6	101.9
Toluene	3.99	µg/L	1	<1	10/11/01	8260b	---	1.1	88.1	86.8	100.7

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 12

**Report#/Lab ID#:** 120080  
**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	93.4	88-110	---

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

**Client:** Environmental Tech Group

**Attn:** Ken Dutton

**Address:** 2540 W. Mariland  
Hobbs

Nm 88240

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

**Report#/Lab ID#:** 120081 **Report Date:** 10/12/01

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 13

**Sample Matrix:** water

**Date Received:** 10/02/2001 **Time:** 16:31

**Date Sampled:** 09/27/2001 **Time:** 14:25

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	1.78	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	<1	µg/L	1	<1	10/11/01	8260b	J	0.9	104.5	99	102.1
m,p-Xylenes	<1	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/11/01	8260b	---	1.8	104	98.6	101.9
Toluene	<1	µg/L	1	<1	10/11/01	8260b	---	1.1	88.1	86.8	100.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Lastor*

Richard Lastor

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 13

Report#/Lab ID#: 120081  
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	93.8	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 120081	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: SPS-11 EOT 2022C		
Sample Name: MW 13		

### 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
Ethylbenzene	J	See J-flag discussion above.

### Notes:

**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#:** 120082 **Report Date:** 10/12/01

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 14

**Sample Matrix:** water

**Date Received:** 10/02/2001 **Time:** 16:31

**Date Sampled:** 09/27/2001 **Time:** 14:13

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	4890	µg/L	10	<10	10/11/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	498	µg/L	5	<5	10/11/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	297	µg/L	5	<5	10/11/01	8260b	---	0	103.7	101.6	99.8
o-Xylene	<5	µg/L	5	<5	10/11/01	8260b	---	0.2	105.3	102.6	101.8
Toluene	<5	µg/L	5	<5	10/11/01	8260b	---	0.8	86.9	80.1	85.3

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 14

**Report#/Lab ID#:** 120082  
**Sample Matrix:** water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	82.7	80-120	---
Toluene-d8	8260b	96.2	88-110	---

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



**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#:** 120083 **Report Date:** 10/12/01

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 15

**Sample Matrix:** water

**Date Received:** 10/02/2001 **Time:** 16:31

**Date Sampled:** 09/27/2001 **Time:** 14:00

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	8.4	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	<1	µg/L	1	<1	10/11/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	<1	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/11/01	8260b	---	1.8	104	98.6	101.9
Toluene	<1	µg/L	1	<1	10/11/01	8260b	---	1.1	88.1	86.8	100.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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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.

**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 15

**Report#/Lab ID#:** 120083  
**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	94.6	88-110	---

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

**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#:** 120084 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 16  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/27/2001 **Time:** 12:30

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatle organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	44.1	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	12.4	µg/L	1	<1	10/11/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	4.56	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	1.83	µg/L	1	<1	10/11/01	8260b	---	1.8	104	98.6	101.9
Toluene	27	µg/L	1	<1	10/11/01	8260b	---	1.1	88.1	86.8	100.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 16

**Report#/Lab ID#:** 120084  
**Sample Matrix:** water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.1	80-120	---
Toluene-d8	8260b	97.9	88-110	---

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

**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#:** 120085 **Report Date:** 10/12/01

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 17

**Sample Matrix:** water

**Date Received:** 10/02/2001 **Time:** 16:31

**Date Sampled:** 09/27/2001 **Time:** 16:28

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	64.3	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	49.5	µg/L	1	<1	10/11/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	28.9	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	13.5	µg/L	1	<1	10/11/01	8260b	---	1.8	104	98.6	101.9
Toluene	89.9	µg/L	1	<1	10/11/01	8260b	---	1.1	88.1	86.8	100.7

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 17

Report#/Lab ID#: 120085  
Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.3	80-120	---
Toluene-d8	8260b	93.8	88-110	---

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

**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#:** 120086 **Report Date:** 10/12/01

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 18

**Sample Matrix:** water

**Date Received:** 10/02/2001 **Time:** 16:31

**Date Sampled:** 09/27/2001 **Time:** 16:20

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	1.08	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	<1	µg/L	1	<1	10/11/01	8260b	J	0.9	104.5	99	102.1
m,p-Xylenes	<1	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/11/01	8260b	---	1.8	104	98.6	101.9
Toluene	<1	µg/L	1	<1	10/11/01	8260b	---	1.1	88.1	86.8	100.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 18

**Report#/Lab ID#:** 120086  
**Sample Matrix:** water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	80.3	80-120	---
Toluene-d8	8260b	97.1	88-110	---

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



## Exceptions Report:

Report #/Lab ID#: 120086	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: SPS-11 EOT 2022C		
Sample Name: MW 18		

### 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
Ethylbenzene	J	See J-flag discussion above.

### Notes:



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#:** 120087 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 19  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/27/2001 **Time:** 16:09

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	1.42	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	1.29	µg/L	1	<1	10/11/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	<1	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/11/01	8260b	---	1.8	104	98.6	101.9
Toluene	<1	µg/L	1	<1	10/11/01	8260b	---	1.1	88.1	86.8	100.7

#### QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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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: SPS-11 EOT 2022C  
Sample Name: MW 19

Report#/Lab ID#: 120087  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	80.9	80-120	---
Toluene-d8	8260b	100	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#: 120088 Report Date: 10/12/01

Project ID: SPS-11 EOT 2022C

Sample Name: MW 20

Sample Matrix: water

Date Received: 10/02/2001 Time: 16:31

Date Sampled: 09/27/2001 Time: 15:20

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	3.84	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	2.89	µg/L	1	<1	10/11/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	<1	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/11/01	8260b	---	1.8	104	98.6	101.9
Toluene	<1	µg/L	1	<1	10/11/01	8260b	---	1.1	88.1	86.8	100.7

#### QUALITY ASSURANCE DATA 1

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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<b>Client:</b> Environmental Tech Group <b>Attn:</b> Ken Dutton	<b>Project ID:</b> SPS-11 EOT 2022C <b>Sample Name:</b> MW 20	<b>Report#/Lab ID#:</b> 120088 <b>Sample Matrix:</b> water
--	--	---

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	80.2	80-120	---
Toluene-d8	8260b	100	88-110	---

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

**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#:** 120089 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 21  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/27/2001 **Time:** 15:10

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	2.69	µg/L	1	<1	10/11/01	8260b	---	1.5	88.3	89.9	103.5
Ethylbenzene	2.62	µg/L	1	<1	10/11/01	8260b	---	0.9	104.5	99	102.1
m,p-Xylenes	<1	µg/L	1	<1	10/11/01	8260b	---	2	102.9	97.5	100.9
o-Xylene	<1	µg/L	1	<1	10/11/01	8260b	---	1.8	104	98.6	101.9
Toluene	<1	µg/L	1	<1	10/11/01	8260b	---	1.1	88.1	86.8	100.7

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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: SPS-11 EOT 2022C  
Sample Name: MW 21

Report#/Lab ID#: 120089  
Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	80.3	80-120	---
Toluene-d8	8260b	100	88-110	---

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

**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#:** 120090 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 22  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/27/2001 **Time:** 14:37

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatle organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	5.74	µg/L	1	<1	10/11/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	2.81	µg/L	1	<1	10/11/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	<1	µg/L	1	<1	10/11/01	8260b	J	0	103.7	101.6	99.8
o-Xylene	<1	µg/L	1	<1	10/11/01	8260b	---	0.2	105.3	102.6	101.8
Toluene	<1	µg/L	1	<1	10/11/01	8260b	---	0.8	86.9	80.1	85.3

## QUALITY ASSURANCE DATA 1

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 22

Report#/Lab ID#: 120090  
Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.1	80-120	---
Toluene-d8	8260b	95.5	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 120090	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: SPS-11 EOT 2022C		
Sample Name: MW 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
m,p-Xylenes	J	See J-flag discussion above.

### Notes:

**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#:** 120091 **Report Date:** 10/12/01

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 23

**Sample Matrix:** water

**Date Received:** 10/02/2001 **Time:** 16:31

**Date Sampled:** 09/28/2001 **Time:** 15:40

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/11/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	<1	µg/L	1	<1	10/11/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	<1	µg/L	1	<1	10/11/01	8260b	---	0	103.7	101.6	99.8
o-Xylene	<1	µg/L	1	<1	10/11/01	8260b	---	0.2	105.3	102.6	101.8
Toluene	<1	µg/L	1	<1	10/11/01	8260b	---	0.8	86.9	80.1	85.3

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Report#/Lab ID#: 120091  
Sample Matrix: water

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 23

Client: Environmental Tech Group  
Attn: Ken Dutton

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.3	80-120	---
Toluene-d8	8260b	97.2	88-110	---

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

**Client:** Environmental Tech Group  
**Attn:** Ken Dutton  
**Address:** 2540 W. Marland  
Hobbs Nim 88240  
**Phone:** 505 397-4882 **FAX:** 505 397-4701

**Report#/Lab ID#:** 120092 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 24  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 12:15

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/11/01	8260b	---	---	---	---	---
Benzene	1470	µg/L	10	<10	10/12/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	15.2	µg/L	1	<1	10/11/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	7.76	µg/L	1	<1	10/11/01	8260b	---	0	103.7	101.6	99.8
o-Xylene	4.81	µg/L	1	<1	10/11/01	8260b	---	0.2	105.3	102.6	101.8
Toluene	24.2	µg/L	1	<1	10/11/01	8260b	---	0.8	86.9	80.1	85.3

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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<b>Client:</b> Environmental Tech Group <b>Attn:</b> Ken Dutton	<b>Project ID:</b> SPS-11 EOT 2022C <b>Sample Name:</b> MW 24	<b>Report#/Lab ID#:</b> 120092 <b>Sample Matrix:</b> water
--	--	---

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.1	80-120	---
Toluene-d8	8260b	96.8	88-110	---

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

**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#:** 120093 **Report Date:** 10/12/01

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 25

**Sample Matrix:** water

**Date Received:** 10/02/2001 **Time:** 16:31

**Date Sampled:** 09/28/2001 **Time:** 12:00

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		10/12/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	10/12/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	<1	µg/L	1	<1	10/12/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	<1	µg/L	1	<1	10/12/01	8260b	---	0	103.7	101.6	99.8
o-Xylene	<1	µg/L	1	<1	10/12/01	8260b	---	0.2	105.3	102.6	101.8
Toluene	<1	µg/L	1	<1	10/12/01	8260b	---	0.8	86.9	80.1	85.3

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 25

Report#/Lab ID#: 120093  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.8	80-120	---
Toluene-d8	8260b	96.5	88-110	---

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



**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#:** 120094 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 26  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 16:47

## 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
Volatile organics-8260b/BTEX	---		---		10/12/01	8260b	---	---	---	---	---
Benzene	1700	µg/L	10	<10	10/12/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	441	µg/L	10	<10	10/12/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	201	µg/L	10	<10	10/12/01	8260b	---	0	103.7	101.6	99.8
o-Xylene	83.5	µg/L	10	<10	10/12/01	8260b	---	0.2	105.3	102.6	101.8
Toluene	469	µg/L	10	<10	10/12/01	8260b	---	0.8	86.9	80.1	85.3

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 26

Report#/Lab ID#: 120094  
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.1	80-120	---
Toluene-d8	8260b	94.5	88-110	---

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

**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#:** 120095 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 27  
**Sample Matrix:** water  
**Date Received:** 10/02/2001 **Time:** 16:31  
**Date Sampled:** 09/28/2001 **Time:** 16:40

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		10/12/01	8260b	---	---	---	---	---
Benzene	1.16	µg/L	1	<1	10/12/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	1.39	µg/L	1	<1	10/12/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	<1	µg/L	1	<1	10/12/01	8260b	J	0	103.7	101.6	99.8
o-Xylene	<1	µg/L	1	<1	10/12/01	8260b	---	0.2	105.3	102.6	101.8
Toluene	2.43	µg/L	1	<1	10/12/01	8260b	---	0.8	86.9	80.1	85.3

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Report#/Lab ID#: 120095  
Sample Matrix: water

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 27

Client: Environmental Tech Group  
Attn: Ken Dutton

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	95.5	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 120095	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: SPS-11 EOT 2022C		
Sample Name: MW 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 inappropriate 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:

**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#:** 120096 **Report Date:** 10/12/01  
**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 28

**Sample Matrix:** water

**Date Received:** 10/02/2001 **Time:** 16:31

**Date Sampled:** 09/28/2001 **Time:** 17:00

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		10/12/01	8260b	---	---	---	---	---
Benzene	2250	µg/L	10	<10	10/12/01	8260b	---	1.3	88.3	84.9	88.1
Ethylbenzene	94.1	µg/L	10	<10	10/12/01	8260b	---	0.2	106.5	105.3	103.2
m,p-Xylenes	36.8	µg/L	10	<10	10/12/01	8260b	---	0	103.7	101.6	99.8
o-Xylene	19.2	µg/L	10	<10	10/12/01	8260b	---	0.2	105.3	102.6	101.8
Toluene	27.3	µg/L	10	<10	10/12/01	8260b	---	0.8	86.9	80.1	85.3

## QUALITY ASSURANCE DATA<sup>1</sup>

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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: SPS-11 EOT 2022C  
Sample Name: MW 28

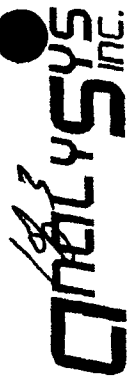
Report#/Lab ID#: 120096  
Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.1	80-120	---
Toluene-d8	8260b	93.6	88-110	---

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

COC 144



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Phone: (512) 444-5896  
Fax: (512) 447-4766

8229

# CHAIN-OF-CUSTODY

## Send Reports To:

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City HOBBS State NM Zip 88240  
ATTN: KEN DUTTON  
Phone (505) 772-4422 Fax (505) 397-4701

## Bill to (if different):

Company Name EOI  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
ATTN: \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

Rush Status (must be confirmed with lab mgr.): \_\_\_\_\_

Project Name/PO#: SPS-11 Sampler: Joan Coan

EOI 2022C

## Analyses Requested (1)

Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 1	9-28-01	1325	2	X		120071	X
MW 2		1337				120072	
MW 3		1245				120073	
MW 4		1300				120074	
MW 6		1360				120075	
MW 7		1315				120076	
MW 8		1450				120077	
MW 10		1600				120078	
MW 11		1550				120079	
MW 12		1500				120080	

(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.

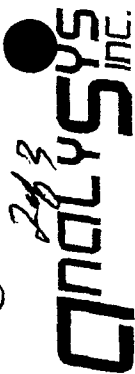
TEMP DDIC

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Joan Coan		10-1-01	Melanie Thompson, ASI		10/2/01
					1631

[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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Phone: (512) 444-5896  
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# CHAIN-OF-CUSTODY

## Send Reports To:

Company Name ETGI  
Address 2540 W MHALAND  
City HOUSTON State NM Zip 88240  
ATTN: KEN DUTTON  
Phone (505) 977-4422 Fax (505) 977-4701

## Bill to (if different):

Company Name ETI  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
ATTN: \_\_\_\_\_  
Phone \_\_\_\_\_

Rush Status (must be confirmed with lab mgr.): \_\_\_\_\_

Project Name/PO#: 523-11 Sampler: Ammonia

ET 2022C

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 13	9-27-01	1425	2		X		120081	
MW 14		1413					120082	
MW 15		1400					120083	
MW 16		1230					120084	
MW 17		1628					120085	
MW 18		1620					120086	
MW 19		1609					120087	
MW 20		1520					120088	
MW 21		1510					120089	
MW 22		1437					120090	

(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	Name	Affiliation	Date
<u>Ammonia</u>		<u>10-1-01</u>	<u>M. Ammonia</u>	<u>Hempshire ASI</u>	<u>10/2/01</u>
					<u>10/31</u>

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

3043

3013 SHY INC.

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Phone: (512) 444-5896  
Fax: (512) 447-4766

# CHAIN-OF-CUSTODY

**Send Reports To:**

**Bill to (if different):**

Company Name **ETGI**

Company Name Cost

Address 2540 W MARLAND

Address \_\_\_\_\_

City 40885 State NM Zip 88240

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

ATTN: KEN DUTTON

ATTN:

Phone (Sac) 797-4482 Fax (Sac) 897-4701

Phone \_\_\_\_\_  
Fax \_\_\_\_\_

**Rush Status (must be confirmed with lab mgr.):**

led

Project Name/PO#: SPS-11 Sampler: \_\_\_\_\_

Amar

For 2022c

[illegible]

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
Anna Casas		10-1-01	1200	Mydame	Hempsey HS	10/2/01	1631

[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: Ann Moore

Address: 4600 West Wall  
Midland

Tx 79703

Phone: 915 522-1139 FAX: 915 520-4310

Report#/Lab ID#: 122713 Report Date: 12/07/01

Project ID: SPS 11 EOT 2022C

Sample Name: MW 1

Sample Matrix: water

Date Received: 11/20/2001 Time: 10:26

Date Sampled: 11/17/2001 Time: 11:10

## REPORT OF ANALYSIS

QUALITY ASSURANCE DATA <sup>1</sup>									
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup> Recov. <sup>3</sup>	CCV <sup>4</sup> LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/29/01	8260b	---	---	---
Benzene	6880	µg/L	100	<100	11/29/01	8260b	---	20.5 92.6	102.4 84.3
Ethylbenzene	1650	µg/L	100	<100	11/29/01	8260b	---	1.6 96.4	95.1 92.3
m,p-Xylenes	865	µg/L	100	<100	11/29/01	8260b	---	0.6 86.2	85.9 82.2
o-Xylene	204	µg/L	100	<100	11/29/01	8260b	---	1.2 99.4	101.7 90.9
Toluene	121	µg/L	100	<100	11/29/01	8260b	---	9.1 95	104.6 87.9

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Respectfully Submitted,

*Richard Laister*

Richard Laister

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.

Client: Environmental Tech Group  
 Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
 Sample Name: MW 1

Report#/Lab ID#: 122713  
 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	94.9	88-110	---

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



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**Client:** Environmental Tech Group  
**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122714 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 2

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 11:25

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/29/01	8260b	---	---	---	---	---
Benzene	10.6	µg/L	1	<1	11/29/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	3.12	µg/L	1	<1	11/29/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	2.41	µg/L	1	<1	11/29/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	<1	µg/L	1	<1	11/29/01	8260b	J	1.2	99.4	101.7	90.9
Toluene	2.31	µg/L	1	<1	11/29/01	8260b	---	9.1	95	104.6	87.9

#### QUALITY ASSURANCE DATA<sup>1</sup>

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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.

Client: Environmental Tech Group  
 Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
 Sample Name: MW 2

Report#/Lab ID#: 122714  
 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	97.9	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122714 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS 11 EOT 2022C  
Sample Name: MW 2  
Attn: Ann Moore

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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
o-Xylene	J	See J-flag discussion above.

### Notes:



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2209 N. Padre Island Dr., Corpus Christi, TX 78408  
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**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122715 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 3

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 11:17

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/29/01	8260b	---	---	---	---	---
Benzene	5.61	µg/L	1	<1	11/29/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	2.16	µg/L	1	<1	11/29/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	1.71	µg/L	1	<1	11/29/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	<1	µg/L	1	<1	11/29/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	1.49	µg/L	1	<1	11/29/01	8260b	---	9.1	95	104.6	87.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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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: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 3

Report#/Lab ID#: 122715  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.3	80-120	---
Toluene-d8	8260b	91.9	88-110	---

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

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122716 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 4

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 10:45

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/29/01	8260b	---	---	---	---	---
Benzene	1.56	µg/L	1	<1	11/29/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	<1	µg/L	1	<1	11/29/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	<1	µg/L	1	<1	11/29/01	8260b	J	0.6	86.2	85.9	82.2
o-Xylene	<1	µg/L	1	<1	11/29/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	<1	µg/L	1	<1	11/29/01	8260b	---	9.1	95	104.6	87.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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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: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 4

Report#/Lab ID#: 122716  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.3	80-120	---
Toluene-d8	8260b	99	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122716 Matrix: water  
Client: Environmental Tech Group Attn: Ann Moore  
Project ID: SPS 11 EOT 2022C  
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).

### 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:

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122717 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 6

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 10:30

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/29/01	8260b	---	---	---	---	---
Benzene	12.6	µg/L	1	<1	11/29/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	2.57	µg/L	1	<1	11/29/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	1.34	µg/L	1	<1	11/29/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	<1	µg/L	1	<1	11/29/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	<1	µg/L	1	<1	11/29/01	8260b	J	9.1	95	104.6	87.9

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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.



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: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 6

Report#/Lab ID#: 122717  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89	80-120	---
Toluene-d8	8260b	97.1	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122717 Matrix: water  
Client: Environmental Tech Group Attn: Ann Moore  
Project ID: SPS 11 EOT 2022C  
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
Toluene	J	See J-flag discussion above.

Notes:

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

**Tx** 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122718 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 7

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 11:00

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/29/01	8260b	---	---	---	---	---
Benzene	162	µg/L	1	<1	11/29/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	154	µg/L	1	<1	11/29/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	13.7	µg/L	1	<1	11/29/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	4.11	µg/L	1	<1	11/29/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	4.26	µg/L	1	<1	11/29/01	8260b	---	9.1	95	104.6	87.9

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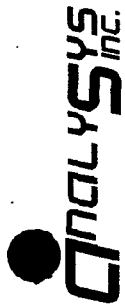
Respectfully Submitted,

*Richard Laster*

Richard Laster

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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: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 7

Report#/Lab ID#: 122718  
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	90.7	88-110	---

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



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2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 444-5896 • FAX (512) 447-4766

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139

**FAX:** 915 520-4310

**Report#/Lab ID#:** 122719 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 9

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 11:30

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	1820	µg/L	100	<100	11/30/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	724	µg/L	100	<100	11/30/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	12.5	µg/L	1	<1	11/30/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	2.22	µg/L	1	<1	11/30/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	1.92	µg/L	1	<1	11/30/01	8260b	---	9.1	95	104.6	87.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 7840408  
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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 9

Report#/Lab ID#: 122719  
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	95.3	88-110	---

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



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**Client:** Environmental Tech Group  
**Attn:** Ann Moore  
**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122720 **Report Date:** 12/07/01  
**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 10

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 13:10

## REPORT OF ANALYSIS

QUALITY ASSURANCE DATA <sup>1</sup>											
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	14.3	µg/L	1	<1	11/30/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	7	µg/L	1	<1	11/30/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	2.1	µg/L	1	<1	11/30/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	J	1.2	99.4	101.7	90.9
Toluene	<1	µg/L	1	<1	11/30/01	8260b	---	9.1	95	104.6	87.9

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408  
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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 10

Report#/Lab ID#: 122720  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.2	80-120	---
Toluene-d8	8260b	92.3	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122720 Matrix: water  
Client: Environmental Tech Group Attn: Ann Moore  
Project ID: SPS 11 EOT 2022C  
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
o-Xylene	J	See J-flag discussion above.

Notes:



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:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122721 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 11

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 12:45

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	32.4	µg/L	1	<1	11/30/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	7.41	µg/L	1	<1	11/30/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	<1	µg/L	1	<1	11/30/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	<1	µg/L	1	<1	11/30/01	8260b	---	9.1	95	104.6	87.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 11

Report#/Lab ID#: 122721  
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	94	88-110	---

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



**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

**Tx** 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122722 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 12

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 12:36

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/29/01	8260b	---	---	---	---	---
Benzene	49.7	µg/L	1	<1	11/29/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	6.13	µg/L	1	<1	11/29/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	3.66	µg/L	1	<1	11/29/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	<1	µg/L	1	<1	11/29/01	8260b	J	1.2	99.4	101.7	90.9
Toluene	2.57	µg/L	1	<1	11/29/01	8260b	---	9.1	95	104.6	87.9

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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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: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 12

Report#/Lab ID#: 122722  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.7	80-120	---
Toluene-d8	8260b	94.1	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122722 Matrix: water

Client: Environmental Tech Group

Project ID: SPS 11 EOT 2022C

Sample Name: MW 12

Attn: Ann Moore

### 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

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
o-Xylene	J	See J-flag discussion above.

Notes:



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: Ann Moore

Address: 4600 West Wall  
Midland

Tx 79703

Phone: 915 522-1139 FAX: 915 520-4310

Report#/Lab ID#: 122723 Report Date: 12/07/01

Project ID: SPS 11 EOT 2022C

Sample Name: MW 13

Sample Matrix: water

Date Received: 11/20/2001 Time: 10:26

Date Sampled: 11/17/2001 Time: 12:25

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	1.37	µg/L	1	<1	11/30/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	<1	µg/L	1	<1	11/30/01	8260b	J	1.6	96.4	95.1	92.3
m,p-Xylenes	<1	µg/L	1	<1	11/30/01	8260b	J	0.6	86.2	85.9	82.2
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	<1	µg/L	1	<1	11/30/01	8260b	---	9.1	95	104.6	87.9

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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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: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 13

Report#/Lab ID#: 122723  
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.2	80-120	---
Toluene-d8	8260b	100	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122723 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS 11 EOT 2022C  
Sample Name: MW 13

Attn: Ann Moore

### 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
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.

### Notes:

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

**Phone:** 915 522-1139

**FAX:** 915 520-4310

**Tx** 79703

**Report#/Lab ID#:** 122724 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 14

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 12:10

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	7140	µg/L	100	<100	11/30/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	427	µg/L	100	<100	11/30/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	413	µg/L	100	<100	11/30/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	154	µg/L	1	<1	11/30/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	30.1	µg/L	1	<1	11/30/01	8260b	---	9.1	95	104.6	87.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 14

Report#/Lab ID#: 122724  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97	80-120	---
Toluene-d8	8260b	97.3	88-110	---

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



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**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Tx** 79703

**Report#/Lab ID#:** 122725

**Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 15

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 12:00

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	40.1	µg/L	1	<1	11/30/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	2.65	µg/L	1	<1	11/30/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	1.37	µg/L	1	<1	11/30/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	<1	µg/L	1	<1	11/30/01	8260b	---	9.1	95	104.6	87.9

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*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
 Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
 Sample Name: MW 15

Report#/Lab ID#: 122725  
 Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.6	80-120	---
Toluene-d8	8260b	99.2	88-110	---

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

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**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

**Tx** 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122726 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 16

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 11:40

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	38.6	µg/L	1	<1	11/30/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	14.5	µg/L	1	<1	11/30/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	8.49	µg/L	1	<1	11/30/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	3.58	µg/L	1	<1	11/30/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	25.2	µg/L	1	<1	11/30/01	8260b	---	9.1	95	104.6	87.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 7840408  
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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 16

Report#/Lab ID#: 122726  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.4	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: Ann Moore

Address: 4600 West Wall  
Midland

Tx 79703

Phone: 915 522-1139 FAX: 915 520-4310

Report#/Lab ID#: 122727 Report Date: 12/07/01

Project ID: SPS 11 EOT 2022C

Sample Name: MW 17

Sample Matrix: water

Date Received: 11/20/2001 Time: 10:26

Date Sampled: 11/17/2001 Time: 13:38

## REPORT OF ANALYSIS

QUALITY ASSURANCE DATA <sup>1</sup>											
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	26	µg/L	1	<1	11/30/01	8260b	---	20.5	92.6	102.4	84.3
Ethylbenzene	23.3	µg/L	1	<1	11/30/01	8260b	---	1.6	96.4	95.1	92.3
m,p-Xylenes	13	µg/L	1	<1	11/30/01	8260b	---	0.6	86.2	85.9	82.2
o-Xylene	6.16	µg/L	1	<1	11/30/01	8260b	---	1.2	99.4	101.7	90.9
Toluene	41.1	µg/L	1	<1	11/30/01	8260b	---	9.1	95	104.6	87.9

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Richard Laster

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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 17

Report#/Lab ID#: 122727  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.7	80-120	---
Toluene-d8	8260b	102	88-110	---

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



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2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 444-5896 • FAX (512) 447-4766

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122728 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 18

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 13:30

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	2.79	µg/L	1	<1	11/30/01	8260b	---	8.1	94.9	92.3	92.9
Ethylbenzene	1.62	µg/L	1	<1	11/30/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	1	µg/L	1	<1	11/30/01	8260b	---	2.6	89	87.6	85.6
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	---	5.8	102	98.9	98.4
Toluene	<1	µg/L	1	<1	11/30/01	8260b	---	3.4	97	94.7	92.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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*Richard Laster*

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 18

Report#/Lab ID#: 122728  
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	92.7	88-110	---

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





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2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 444-5896 • FAX (512) 447-4766

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall

Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122729 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 19

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 13:20

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	5.26	µg/L	1	<1	11/30/01	8260b	---	8.1	94.9	92.3	92.9
Ethylbenzene	3.11	µg/L	1	<1	11/30/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	1.18	µg/L	1	<1	11/30/01	8260b	---	2.6	89	87.6	85.6
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	---	5.8	102	98.9	98.4
Toluene	<1	µg/L	1	<1	11/30/01	8260b	---	3.4	97	94.7	92.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408  
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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 19

Report#/Lab ID#: 122729  
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90	80-120	---
Toluene-d8	8260b	101	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:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122730

**Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 20

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 12:52

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	6.69	µg/L	1	<1	11/30/01	8260b	---	8.1	94.9	92.3	92.9
Ethylbenzene	3.15	µg/L	1	<1	11/30/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	1.26	µg/L	1	<1	11/30/01	8260b	---	2.6	89	87.6	85.6
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	---	5.8	102	98.9	98.4
Toluene	<1	µg/L	1	<1	11/30/01	8260b	---	3.4	97	94.7	92.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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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.



4221 Freidrich Lane, Suite 190, Austin, TX 78744 &  
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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 20

Report#/Lab ID#: 122730  
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.6	80-120	---
Toluene-d8	8260b	94.6	88-110	---

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

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122731 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 21

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 13:00

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	14.2	µg/L	1	<1	11/30/01	8260b	---	8.1	94.9	92.3	92.9
Ethylbenzene	5.81	µg/L	1	<1	11/30/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	1.89	µg/L	1	<1	11/30/01	8260b	---	2.6	89	87.6	85.6
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	J	5.8	102	98.9	98.4
Toluene	<1	µg/L	1	<1	11/30/01	8260b	---	3.4	97	94.7	92.9

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 21

Report#/Lab ID#: 122731  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91	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#: 122731	Matrix: water	Attn: Ann Moore
Client: Environmental Tech Group		
Project ID: SPS 11 EOT 2022C		
Sample Name: MW 21		

### 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
o-Xylene	J	See J-flag discussion above.

### Notes:



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2209 N. Padre Island Dr., Corpus Christi, TX 78408  
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**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall

Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122732 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 22

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 12:17

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		12/01/01	8260b	---	---	---	---	---
Benzene	7.31	µg/L	1	<1	12/01/01	8260b	---	8.1	94.9	92.3	92.9
Ethylbenzene	4.2	µg/L	1	<1	12/01/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	1.27	µg/L	1	<1	12/01/01	8260b	---	2.6	89	87.6	85.6
o-Xylene	<1	µg/L	1	<1	12/01/01	8260b	---	5.8	102	98.9	98.4
Toluene	<1	µg/L	1	<1	12/01/01	8260b	J	3.4	97	94.7	92.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 7840408  
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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 22

Report#/Lab ID#: 122732  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.8	80-120	---
Toluene-d8	8260b	100	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122732 Matrix: water

Client: Environmental Tech Group

Project ID: SPS 11 EOT 2022C

Sample Name: MW 22

Attn: Ann Moore

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

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### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene	J	See J-flag discussion above.

Notes:



4221 Freidrich Lane, Suite 190, Austin, TX 78744 &  
2209 N. Padre Island Dr., Corpus Christi, TX 78408  
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**Client:** Environmental Tech Group  
**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

**Tx** 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122733 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 23

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 11:52

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	3.63	µg/L	1	<1	11/30/01	8260b	---	8.1	94.9	92.3	92.9
Ethylbenzene	2.22	µg/L	1	<1	11/30/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	<1	µg/L	1	<1	11/30/01	8260b	J	2.6	89	87.6	85.6
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	---	5.8	102	98.9	98.4
Toluene	<1	µg/L	1	<1	11/30/01	8260b	---	3.4	97	94.7	92.9

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 23

Report#/Lab ID#: 122733  
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	100	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122733 Matrix: water

Client: Environmental Tech Group

Project ID: SPS 11 EOT 2022C

Sample Name: MW 23

Attn: Ann Moore

### 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
m,p-Xylenes	J	See J-flag discussion above.

Notes:

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122734 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 24

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 11:45

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		12/01/01	8260b	---	---	---	---	---
Benzene	986	µg/L	10	<10	12/01/01	8260b	---	4	93.4	98.3	97.4
Ethylbenzene	10.6	µg/L	1	<1	12/01/01	8260b	---	1.6	94.2	113.3	106.8
m,p-Xylenes	4.07	µg/L	1	<1	12/01/01	8260b	---	0.8	85.2	100.5	94.7
o-Xylene	1.44	µg/L	1	<1	12/01/01	8260b	---	6.4	102.2	106.6	102.1
Toluene	4.11	µg/L	1	<1	12/01/01	8260b	---	2.5	99.4	101.8	103.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408  
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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 24

Report#/Lab ID#: 122734  
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	109	88-110	---

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



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2209 N. Padre Island Dr., Corpus Christi, TX 78408  
(512) 444-5896 • FAX (512) 447-4766

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122735 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 25

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 11:35

## REPORT OF ANALYSIS

QUALITY ASSURANCE DATA <sup>1</sup>											
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		12/01/01	8260b	---	---	---	---	---
Benzene	5.75	µg/L	1	<1	12/01/01	8260b	---	8.1	94.9	92.3	92.9
Ethylbenzene	3.36	µg/L	1	<1	12/01/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	<1	µg/L	1	<1	12/01/01	8260b	J	2.6	89	87.6	85.6
o-Xylene	<1	µg/L	1	<1	12/01/01	8260b	---	5.8	102	98.9	98.4
Toluene	<1	µg/L	1	<1	12/01/01	8260b	---	3.4	97	94.7	92.9

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*Richard Laster*

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408  
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Client: Environmental Tech Group  
Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 25

Report#/Lab ID#: 122735  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.2	80-120	---
Toluene-d8	8260b	100	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122735 Matrix: water

Client: Environmental Tech Group

Project ID: SPS 11 EOT 2022C

Sample Name: MW 25

Attn: Ann Moore

### 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
m,p-Xylenes	J	See J-flag discussion above.

Notes:



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**Tx** 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122736 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 26

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 14:00

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	1600	µg/L	100	<100	11/30/01	8260b	---	8.1	94.9	92.3	92.9
Ethylbenzene	417	µg/L	100	<100	11/30/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	240	µg/L	100	<100	11/30/01	8260b	---	2.6	89	87.6	85.6
o-Xylene	80.6	µg/L	1	<1	11/30/01	8260b	---	5.8	102	98.9	98.4
Toluene	534	µg/L	100	<100	11/30/01	8260b	---	3.4	97	94.7	92.9

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.

**Client:** Environmental Tech Group  
**Attn:** Ann Moore

**Project ID:** SPS 11 EOT 2022C  
**Sample Name:** MW 26

**Report#/Lab ID#:** 122736  
**Sample Matrix:** water

# **REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.7	80-120	---
Toluene-d8	8260b	102	88-110	---

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



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:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122737

**Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** MW 27

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 13:50

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	1.31	µg/L	1	<1	11/30/01	8260b	---	8.1	94.9	92.3	92.9
Ethylbenzene	1.37	µg/L	1	<1	11/30/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	<1	µg/L	1	<1	11/30/01	8260b	J	2.6	89	87.6	85.6
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	---	5.8	102	98.9	98.4
Toluene	1.13	µg/L	1	<1	11/30/01	8260b	---	3.4	97	94.7	92.9

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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.



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: Ann Moore

Project ID: SPS 11 EOT 2022C  
Sample Name: MW 27

Report#/Lab ID#: 122737  
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	84.2	80-120	---
Toluene-d8	8260b	106	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122737 Matrix: water  
Client: Environmental Tech Group Attn: Ann Moore  
Project ID: SPS 11 EOT 2022C  
Sample Name: MW 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
m,p-Xylenes	J	See J-flag discussion above.

### Notes:



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: Ann Moore

Address: 4600 West Wall

Midland

Tx 79703

Phone: 915 522-1139 FAX: 915 520-4310

Report#/Lab ID#: 122738 Report Date: 12/07/01

Project ID: SPS 11 EOT 2022C

Sample Name: MW 28

Sample Matrix: water

Date Received: 11/20/2001 Time: 10:26

Date Sampled: 11/17/2001 Time: 14:10

## REPORT OF ANALYSIS

QUALITY ASSURANCE DATA <sup>1</sup>											
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	1490	µg/L	100	<100	11/30/01	8260b	---	8.1	94.9	92.3	92.9
Ethylbenzene	104	µg/L	1	<1	11/30/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	54.5	µg/L	1	<1	11/30/01	8260b	---	2.6	89	87.6	85.6
o-Xylene	22.3	µg/L	1	<1	11/30/01	8260b	---	5.8	102	98.9	98.4
Toluene	34.5	µg/L	1	<1	11/30/01	8260b	---	3.4	97	94.7	92.9

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
 Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
 Sample Name: MW 28

Report#/Lab ID#: 122738  
 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	92.1	88-110	---

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

**Client:** Environmental Tech Group

**Attn:** Ann Moore

**Address:** 4600 West Wall  
Midland

Tx 79703

**Phone:** 915 522-1139 **FAX:** 915 520-4310

**Report#/Lab ID#:** 122739 **Report Date:** 12/07/01

**Project ID:** SPS 11 EOT 2022C

**Sample Name:** EB 1

**Sample Matrix:** water

**Date Received:** 11/20/2001 **Time:** 10:26

**Date Sampled:** 11/17/2001 **Time:** 14:25

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		11/30/01	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/30/01	8260b	J	8.1	94.9	92.3	92.9
Ethylbenzene	<1	µg/L	1	<1	11/30/01	8260b	---	1.4	99	100.2	93.4
m,p-Xylenes	<1	µg/L	1	<1	11/30/01	8260b	---	2.6	89	87.6	85.6
o-Xylene	<1	µg/L	1	<1	11/30/01	8260b	---	5.8	102	98.9	98.4
Toluene	<1	µg/L	1	<1	11/30/01	8260b	---	3.4	97	94.7	92.9

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*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
 Attn: Ann Moore

Project ID: SPS 11 EOT 2022C  
 Sample Name: EB 1

Report#/Lab ID#: 122739  
 Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	68.3	80-120	X
Toluene-d8	8260b	106	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 122739 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS 11 EOT 2022C  
Sample Name: EB 1

Attn: Ann Moore

### Sample Temperature/Condition <=6°C

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### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.
1,2-Dichloroethane-d4	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices
1,2-Dichloroethane-d4	X	(sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

### Notes:

# CHAIN-OF-CUSTODY

## Send Reports To:

Company Name E.T.G., L.  
 Address 4600 West Wall  
 City Midland State TX Zip 79703  
 ATTN: HUAN MORE  
 Phone 815/522 1139 Fax (915) 520-4319

## Bill to (if different):

Company Name EOT  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 ATTN: \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

Rush Status (must be confirmed with lab mgr.): —

Project Name/PO#: SPS 11 Sampler: Simon Casas

EOT 2022C

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Water	Waste	Lab I.D. # (Lab only)	Comments
<u>mw 1</u>	<u>11-17-01</u>	<u>1110</u>	<u>2</u>	<u>X</u>		<u>122713</u>	<u>X</u>
<u>mw 2</u>		<u>1125</u>	<u>1</u>			<u>122714</u>	<u>1</u>
<u>mw 3</u>		<u>1117</u>				<u>122715</u>	
<u>mw 4</u>		<u>1045</u>				<u>122716</u>	
<u>mw 6</u>		<u>1030</u>				<u>122717</u>	
<u>mw 7</u>		<u>1100</u>				<u>122718</u>	
<u>mw 9</u>		<u>1130</u>				<u>122719</u>	
<u>mw 10</u>		<u>1310</u>				<u>122720</u>	
<u>mw 11</u>		<u>1245</u>				<u>122721</u>	
<u>mw 12</u>	<u>✓</u>	<u>1230</u>	<u>✓</u>	<u>✓</u>		<u>122722</u>	<u>✓</u>

(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	Name	Affiliation	Date
<u>Simon Casas</u>		<u>11-19-01</u>	<u>William Humphrey ASI</u>		<u>11/20/01</u>
					<u>1020</u>

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

Pg 1 of 3

**ANALYSYS**  
INC.

4221 Friedrich Lane, Suite 190, Austin, TX 78744  
 Phone: (512) 444-5896  
 Fax: (512) 447-4766

## Analyses Requested (1)

Please attach explanatory information as required



## CHAIN-OF-CUSTODY

**Send Reports To:**

Company Name E. T. G. I.

Address 4600 West Wall

City INDIAN State TX Zip 79703

ATTN: Ann Moore

Phone (915) 522 1139 Fax (915) 520-4310

Rush Status (must be confirmed with lab mgr.):           

Project Name/PO#: SPS // Sampler: \_\_\_\_\_

507 2022C

**Bill to (if different):**

Company Name E071

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

ATTN: \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

James Carter

### 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)
mw 13	11-17-01	1225	2		X		122723
mw 14		1214					122724
mw 15		1244					122725
mw 16		1144					122726
mw 17		1338					122727
mw 18		1334					122728
mw 19		1324					122729
mw 24		1252					122730
mw 21		1344					122731
mw 22		1217					122732

(I) 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.

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Time	Name	Affiliation
<i>Simon Casas</i>		<i>11-19-01</i>	<i>1230</i>	<i>Melrose-Hempden</i>	<i>ASL</i>

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

# CHAIN-OF-CUSTODY

## Send Reports To:

Company Name E.T.G.I.  
 Address 4600 W. 135th  
 City Minneapolis State TX Zip 79703  
 ATTN: ANNA M. DORE  
 Phone (915) 532-1139 Fax (915) 520-4310

## Bill to (if different):

Company Name EOTI  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 ATTN: \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_

Rush Status (must be confirmed with lab mgr.): \_\_\_\_\_

Project Name/PO#: SPS 11 Sample \_\_\_\_\_

807 20326

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 23	11-17-01	1152	2	X		122733	X
MW 24		1145				122734	
MW 25		1135				122735	
MW 26		1400				122736	
MW 27		1350				122737	
MW 28		1410				122738	
EBI		1425				122739	

## 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 (MIDL/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 D.O.C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
<u>Anna Casas</u>		<u>11-19-01</u>	<u>Therese Thompson</u>	<u>ASI</u>	<u>11/20/01</u>
					<u>10/26</u>

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

**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#:** 127606

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 1

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 10:30

**Report Date:** 04/16/02

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/03/02	8260b	---	---	---	---	---
Benzene	1850	µg/L	100	<100	04/04/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	361	µg/L	100	<100	04/04/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	41.6	µg/L	1	<1	04/03/02	8260b	---	2.2	103.3	108	104
o-Xylene	7.27	µg/L	1	<1	04/03/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	48.9	µg/L	1	<1	04/03/02	8260b	---	0	105.5	113.8	110.1

## QUALITY ASSURANCE DATA<sup>1</sup>

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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, R = 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.





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: SPS-11 EOT 2022C  
Sample Name: MW 1

Report#/Lab ID#: 127606  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	116	80-120	---
Toluene-d8	8260b	99.6	88-110	---

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



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#: 127607 Report Date: 04/16/02

Project ID: SPS-11 EOT 2022C

Sample Name: MW 2

Sample Matrix: water

Date Received: 04/03/2002 Time: 09:45

Date Sampled: 03/26/2002 Time: 11:20

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/04/02	8260b	J	0.5	94.4	106.5	99.4
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/04/02	8260b	J	0	105.5	113.8	110.1

## QUALITY ASSURANCE DATA<sup>1</sup>

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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: SPS-11 EOT 2022C  
Sample Name: MW 2

Report#/Lab ID#: 127607  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.2	80-120	---
Toluene-d8	8260b	99.2	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 127607 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 2  
Attn: Ken Dutton

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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.
Toluene	J	See J-flag discussion above.

Notes:



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#:** 127608 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 3

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 11:10

#### REPORT OF ANALYSIS

QUALITY ASSURANCE DATA <sup>1</sup>											
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/03/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/03/02	8260b	J	0.5	94.4	106.5	99.4
Ethylbenzene	<1	µg/L	1	<1	04/03/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/03/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/03/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/03/02	8260b	---	0	105.5	113.8	110.1

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 3

Report#/Lab ID#: 127608  
Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94	80-120	---
Toluene-d8	8260b	103	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 127608 Matrix: water  
Client: Environmental Tech Group Attn: Ken Dutton  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 3

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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

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### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes:



4221 Freldrich 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#:** 127609 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 4

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 10:05

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/03/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/03/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	<1	µg/L	1	<1	04/03/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/03/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/03/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/03/02	8260b	---	0	105.5	113.8	110.1

#### QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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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: SPS-11 EOT 2022C  
Sample Name: MW 4

Report#/Lab ID#: 127609  
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.

**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#:** 127610 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 6

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 12:10

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	12.9	µg/L	1	<1	04/04/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	J	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0	105.5	113.8	110.1

## QUALITY ASSURANCE DATA<sup>1</sup>

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*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: SPS-11 EOT 2022C  
Sample Name: MW 6

Report#/Lab ID#: 127610  
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	91.5	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 127610 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 6  
Attn: Ken Dutton

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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

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
Ethylbenzene	J	See J-flag discussion above.

### Notes:

**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#:** 127611

**Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 7

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 10:15

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/03/02	8260b	---	---	---	---	---
Benzene	40.5	µg/L	1	<1	04/03/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	35.5	µg/L	1	<1	04/03/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	2.15	µg/L	1	<1	04/03/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/03/02	8260b	J	1.2	96.2	100.4	97.6
Toluene	1.12	µg/L	1	<1	04/03/02	8260b	---	0	105.5	113.8	110.1

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
 Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
 Sample Name: MW 7

Report#/Lab ID#: 127611  
 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	115	80-120	---
Toluene-d8	8260b	100	88-110	---

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

# Exceptions Report:

Report #/Lab ID#: 127611	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: SPS-11 EOT 2022C		
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).

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## Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
o-Xylene	J	See J-flag discussion above.

## Notes:



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#: 127612 Report Date: 04/16/02

Project ID: SPS-11 EOT 2022C

Sample Name: MW 9

Sample Matrix: water

Date Received: 04/03/2002 Time: 09:45

Date Sampled: 03/26/2002 Time: 12:50

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/03/02	8260b	---	---	---	---	---
Benzene	162	µg/L	1	<1	04/03/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	37.1	µg/L	1	<1	04/03/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	1.25	µg/L	1	<1	04/03/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/03/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/03/02	8260b	J	0	105.5	113.8	110.1

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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.



**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 9

**Report#/Lab ID#:** 127612  
**Sample Matrix:** water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	114	80-120	---
Toluene-d8	8260b	100	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 127612 Matrix: water

Client: Environmental Tech Group

Project ID: SPS-11 EOT 2022C

Sample Name: MW 9

Attn: Ken Dutton

### 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 (ROL) 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:

**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#:** 127613 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 10

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 10:50

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/03/02	8260b	---	---	---	---	---
Benzene	20.8	µg/L	1	<1	04/03/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	6.22	µg/L	1	<1	04/03/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/03/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/03/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/03/02	8260b	J	0	105.5	113.8	110.1

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 10

Report#/Lab ID#: 127613  
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	99.9	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 127613 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 10

Attn: Ken Dutton

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene	J	See J-flag discussion above.

Notes:



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#: 127614 Report Date: 04/16/02  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 11  
Sample Matrix: water  
Date Received: 04/03/2002 Time: 09:45  
Date Sampled: 03/26/2002 Time: 10:40

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/03/02	8260b	---	---	---	---	---
Benzene	12.8	µg/L	1	<1	04/03/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	3.72	µg/L	1	<1	04/03/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/03/02	8260b	J	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/03/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	1.28	µg/L	1	<1	04/03/02	8260b	---	0	105.5	113.8	110.1

#### QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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4221 Freldrich 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: SPS-11 EOT 2022C  
Sample Name: MW 11

Report#/Lab ID#: 127614  
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	100	88-110	---

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

**Exceptions Report:**

<b>Report #/Lab ID#:</b> 127614	<b>Matrix:</b> water	<b>Attn:</b> Ken Dutton
<b>Client:</b> Environmental Tech Group		
<b>Project ID:</b> SPS-11 EOT 2022C		
<b>Sample Name:</b> MW 11		

**Sample Temperature/Condition**  $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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:





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#:** 127615 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 12

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 12:00

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/03/02	8260b	---	---	---	---	---
Benzene	2.39	µg/L	1	<1	04/03/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	<1	µg/L	1	<1	04/03/02	8260b	J	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/03/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/03/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/03/02	8260b	---	0	105.5	113.8	110.1

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
 Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
 Sample Name: MW 12

Report#/Lab ID#: 127615  
 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	100	88-110	---

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

**Exceptions Report:**

<b>Report #/Lab ID#:</b> 127615	<b>Matrix:</b> water	<b>Attn:</b> Ken Dutton
<b>Client:</b> Environmental Tech Group		
<b>Project ID:</b> SPS-11 EOT 2022C		
<b>Sample Name:</b> MW 12		

**Sample Temperature/Condition** <=6°C

The typical sample temperature criteria (except for metals by ICP, GF AA 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
Ethylbenzene	J	See J-flag discussion above.

**Notes:**



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#: 127616 Report Date: 04/16/02  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 13  
Sample Matrix: water  
Date Received: 04/03/2002 Time: 09:45  
Date Sampled: 03/26/2002 Time: 12:20

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/03/02	8260b		---	---	---	---
Benzene	<1	µg/L	1	<1	04/03/02	8260b	J	0.5	94.4	106.5	99.4
Ethylbenzene	<1	µg/L	1	<1	04/03/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/03/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/03/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/03/02	8260b	---	0	105.5	113.8	110.1

#### QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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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: SPS-11 EOT 2022C  
Sample Name: MW 13

Report#/Lab ID#: 127616  
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	100	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 127616 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 13

Attn: Ken Dutton

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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

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### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes:

**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#:** 127617 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 14

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 14:10

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/03/02	8260b	---	---	---	---	---
Benzene	2460	µg/L	100	<100	04/04/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	186	µg/L	1	<1	04/03/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	148	µg/L	1	<1	04/03/02	8260b	---	2.2	103.3	108	104
o-Xylene	5.24	µg/L	1	<1	04/03/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/03/02	8260b	---	0	105.5	113.8	110.1

## QUALITY ASSURANCE DATA<sup>1</sup>

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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.

Client: Environmental Tech Group  
 Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
 Sample Name: MW 14

Report#/Lab ID#: 127617  
 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	99.8	88-110	---

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





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#: 127618

Report Date: 04/16/02

Project ID: SPS-11 EOT 2022C

Sample Name: MW 15

Sample Matrix: water

Date Received: 04/03/2002 Time: 09:45

Date Sampled: 03/26/2002 Time: 14:00

## REPORT OF ANALYSIS

QUALITY ASSURANCE DATA <sup>1</sup>											
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	6.32	µg/L	1	<1	04/04/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	J	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0	105.5	113.8	110.1

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 15

Report#/Lab ID#: 127618  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92	80-120	---
Toluene-d8	8260b	92.9	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 127618 Matrix: water  
Client: Environmental Tech Group Attn: Ken Dutton  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 15

### 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
Ethylbenzene	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#:** 127619 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 16

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 13:10

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>
Volatile organics-8260b/BTEX	---		---		04/04/02	8260b
Benzene	20.8	µg/L	1	<1	04/04/02	8260b
Ethylbenzene	4.18	µg/L	1	<1	04/04/02	8260b
m,p-Xylenes	2.39	µg/L	1	<1	04/04/02	8260b
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b
Toluene	4.11	µg/L	1	<1	04/04/02	8260b

#### QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	20.8	µg/L	1	<1	04/04/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	4.18	µg/L	1	<1	04/04/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	2.39	µg/L	1	<1	04/04/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	J	1.2	96.2	100.4	97.6
Toluene	4.11	µg/L	1	<1	04/04/02	8260b	---	0	105.5	113.8	110.1

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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: SPS-11 EOT 2022C  
Sample Name: MW 16

Report#/Lab ID#: 127619  
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	100	88-110	---

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

WUC 057 3013

# CHAIN-OF-CUSTODY

Send Reports To: ETGI  
Company Name ETGI  
Address 2540 W MARLAND State NM Zip 88240  
City ALBUQUERQUE  
ATTN: KEN DUTTON  
Phone (505) 271-4182 Fax (505) 271-4701  
Rush Status (must be confirmed with lab mgr.):  
Project Name/PO#: SPS-11 Sampler: Simon Casal  
EOT 2022C

Bill to (if different):  
Company Name EOT  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
ATTN: \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

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)	Comments
MW 23	3-26-02	1350	1		X		127626	
MW 24		1340					127627	
MW 25		1325					127628	
MW 26		1445					127629	
MW 27		1500					127630	
MW 28		1510	↓				127631	
MW 29		1520	6				127632	
MW 30		1530	6				127633	
MW 31	✓	1545	6				127634	

(If/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 (MHL/PL). 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 of ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: D.O.C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Simon Casal	ETGI	4-2-02	Madeline Humphrey	ASI	4/3/02

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

Exceptions Report:

Report #/Lab ID#: 127619 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 16  
Attn: Ken Dutton

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
o-Xylene	J	See J-flag discussion above.

Notes:

**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#:** 127620 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 17

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 14:30

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	QUALITY ASSURANCE DATA <sup>1</sup>			
							Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---
Benzene	12	µg/L	1	<1	04/04/02	8260b	---	0.5	94.4	106.5
Ethylbenzene	12.4	µg/L	1	<1	04/04/02	8260b	---	1.4	98.4	103.3
m,p-Xylenes	7.61	µg/L	1	<1	04/04/02	8260b	---	2.2	103.3	108
o-Xylene	3.24	µg/L	1	<1	04/04/02	8260b	---	1.2	96.2	100.4
Toluene	21.8	µg/L	1	<1	04/04/02	8260b	---	0	105.5	113.8
										99.4
										99.1
										104
										97.6
										110.1

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*Richard Laster*

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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: SPS-11 EOT 2022C  
Sample Name: MW 17

Report#/Lab ID#: 127620  
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	93	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#:** 127621 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 18

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 14:20

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	4.32	µg/L	1	<1	04/04/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	1.11	µg/L	1	<1	04/04/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0	105.5	113.8	110.1

#### QUALITY ASSURANCE DATA<sup>1</sup>

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 18

Report#/Lab ID#: 127621  
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	94.8	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#:** 127622 **Report Date:** 04/16/02  
**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 19

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 11:00

#### REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	12.6	µg/L	1	<1	04/04/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	4.4	µg/L	1	<1	04/04/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/04/02	8260b	J	0	105.5	113.8	110.1

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**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 19

**Report#/Lab ID#:** 127622  
**Sample Matrix:** water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	114	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#: 127622	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: SPS-11 EOT 2022C		
Sample Name: MW 19		

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

### Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

### J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene	J	See J-flag discussion above.

### Notes:

**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#:** 127623 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 20

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 11:35

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	2.8	µg/L	1	<1	04/04/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	1.66	µg/L	1	<1	04/04/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0	105.5	113.8	110.1

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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.

**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 20

**Report#/Lab ID#:** 127623  
**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	100	88-110	---

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



**Client:** Environmental Tech Group

**Attn:** Ken Dutton

**Address:** 2540 W. Mariland  
Hobbs, NM 88240

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

**Report#/Lab ID#:** 127624 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 21

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 11:45

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	3.7	µg/L	1	<1	04/04/02	8260b	---	0.5	94.4	106.5	99.4
Ethylbenzene	2.64	µg/L	1	<1	04/04/02	8260b	---	1.4	98.4	103.3	99.1
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	2.2	103.3	108	104
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	1.2	96.2	100.4	97.6
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0	105.5	113.8	110.1

## QUALITY ASSURANCE DATA<sup>1</sup>

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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**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 21

**Report#/Lab ID#:** 127624  
**Sample Matrix:** water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	114	80-120	---
Toluene-d8	8260b	100	88-110	---

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

**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#:** 127625

**Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 22

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 12:40

**REPORT OF ANALYSIS**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	1.8	µg/L	1	<1	04/04/02	8260b	---	1.4	94.1	99	95.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	J	5.5	95.4	97.6	99.2
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	5.5	98.3	101.3	102.7
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	5.4	93.6	95.1	96.5
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	0.2	104.8	106.5	103.7

**QUALITY ASSURANCE DATA<sup>1</sup>**

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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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 22

Report#/Lab ID#: 127625  
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.

## Exceptions Report:

Report #/Lab ID#: 127625 Matrix: water  
Client: Environmental Tech Group Attn: Ken Dutton  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 22

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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
Ethylbenzene	J	See J-flag discussion above.

Notes:

**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#:** 127626 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 23

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 13:50

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	2.93	µg/L	1	<1	04/04/02	8260b	---	7.1	89.1	89.8	90.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	J	7.2	113.2	109.2	106.8
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	J	5.8	118.2	114.4	112.5
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	0.5	113.7	110.6	108.3
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	3.8	97	100.2	100.6

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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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 23

Report#/Lab ID#: 127626  
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	100	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 127626 Matrix: water  
Client: Environmental Tech Group Attn: Ken Dutton  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 23

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.

### Notes:



**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#:** 127627

**Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 24

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 13:40

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	839	µg/L	10	<10	04/05/02	8260b	---	7.1	89.1	89.8	90.8
Ethylbenzene	5.44	µg/L	1	<1	04/04/02	8260b	---	7.2	113.2	109.2	106.8
m,p-Xylenes	1.68	µg/L	1	<1	04/04/02	8260b	---	5.8	118.2	114.4	112.5
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	J	0.5	113.7	110.6	108.3
Toluene	1.63	µg/L	1	<1	04/04/02	8260b	---	3.8	97	100.2	100.6

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 24

**Report#/Lab ID#:** 127627  
**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	99.9	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 127627	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: SPS-11 EOT 2022C		
Sample Name: MW 24		

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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

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
o-Xylene	J	See J-flag discussion above.

### Notes:

**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#:** 127628 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 25

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 13:25

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	4.77	µg/L	1	<1	04/04/02	8260b	---	7.1	89.1	89.8	90.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	J	7.2	113.2	109.2	106.8
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	---	5.8	118.2	114.4	112.5
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	0.5	113.7	110.6	108.3
Toluene	<1	µg/L	1	<1	04/04/02	8260b	---	3.8	97	100.2	100.6

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 25

**Report#/Lab ID#:** 127628  
**Sample Matrix:** water

## **REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	80-120	---
Toluene-d8	8260b	96.4	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 127628 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 25  
Attn: Ken Dutton

### 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
Ethylbenzene	J	See J-flag discussion above.

Notes:

**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#:** 127629

**Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 26

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 14:45

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/05/02	8260b	---	---	---	---	---
Benzene	1690	µg/L	10	<10	04/05/02	8260b	---	0.3	99.2	95.7	100.7
Ethylbenzene	361	µg/L	10	<10	04/05/02	8260b	---	0.3	97.3	100.8	98
m,p-Xylenes	213	µg/L	10	<10	04/05/02	8260b	---	0.1	100.1	104.6	100.8
o-Xylene	86.1	µg/L	10	<10	04/05/02	8260b	---	1.6	95.9	99.1	96.9
Toluene	547	µg/L	10	<10	04/05/02	8260b	---	0.3	107.8	103.2	111.7

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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.

Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 26

Report#/Lab ID#: 127629  
Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	114	80-120	---
Toluene-d8	8260b	97.3	88-110	---

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



**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#:** 127630 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 27

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 15:00

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatile organics-8260b/BTEX	---		---		04/04/02	8260b	---	---	---	---	---
Benzene	4.19	µg/L	1	<1	04/04/02	8260b	---	7.1	89.1	89.8	90.8
Ethylbenzene	2	µg/L	1	<1	04/04/02	8260b	---	7.2	113.2	109.2	106.8
m,p-Xylenes	1.14	µg/L	1	<1	04/04/02	8260b	---	5.8	118.2	114.4	112.5
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	J	0.5	113.7	110.6	108.3
Toluene	2.85	µg/L	1	<1	04/04/02	8260b	---	3.8	97	100.2	100.6

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 27

**Report#/Lab ID#:** 127630  
**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	97.4	88-110	---

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

## Exceptions Report:

Report #/Lab ID#: 127630 Matrix: water  
Client: Environmental Tech Group  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 27  
Attn: Ken Dutton

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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
<i>o</i> -Xylene	J	See J-flag discussion above.

Notes:

**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#:** 127631 **Report Date:** 04/16/02  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 28  
**Sample Matrix:** water  
**Date Received:** 04/03/2002 **Time:** 09:45  
**Date Sampled:** 03/26/2002 **Time:** 15:10

## REPORT OF ANALYSIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Volatiles organics-8260b/BTEX	---		---		04/05/02	8260b	---	---	---	---	---
Benzene	2130	µg/L	10	<10	04/05/02	8260b	---	0.3	99.2	95.7	100.7
Ethylbenzene	226	µg/L	10	<10	04/05/02	8260b	---	0.3	97.3	100.8	98
m,p-Xylenes	118	µg/L	10	<10	04/05/02	8260b	---	0.1	100.1	104.6	100.8
o-Xylene	41.8	µg/L	10	<10	04/05/02	8260b	---	1.6	95.9	99.1	96.9
Toluene	73.4	µg/L	10	<10	04/05/02	8260b	---	0.3	107.8	103.2	111.7

## QUALITY ASSURANCE DATA<sup>1</sup>

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Respectfully Submitted,

*Richard Laster*

Richard Laster

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Report#/Lab ID#: 127631  
Sample Matrix: water

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 28

Client: Environmental Tech Group  
Attn: Ken Dutton

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	96.6	88-110	---

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

**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#:** 127632 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 29

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 15:20

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
A/BN Extraction-PAH	---	---	---	---	04/02/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	04/04/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	04/03/02	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	04/03/02	3005a	---	---	---	---	---
Total dissolved solids	584	mg/L	1	<1	04/17/02	160.1	---	6.97	-NA-	-NA-	-NA-
Aluminum/ICP	1.37	mg/L	0.2	<0.2	04/05/02	6010 & 200.7	---	11.66	108.49	96.7	84.85
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	2.13	106.97	95.24	104.32
Barium/ICP	0.393	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	---	1.19	118.87	100.98	92.88
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	04/05/02	6010 & 200.7	---	5.29	108.11	98	95.62
Boron/ICP	0.154	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	0.69	104.15	102.3	101.44
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	04/05/02	6010 & 200.7	---	3.7	103.23	98.94	91.94
Calcium/ICP*filtered	190	mg/L	10	<10	04/21/02	6010 & 200.7	---	1.35	86.9	97.64	98.87
Chromium/ICP	<0.01	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	J	2.19	119.51	95.74	84.11
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	2.87	119.24	96.62	88.8
Copper/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	2	109	96.72	91.31
Iron/ICP	0.899	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	1.4	117.25	99.62	88.29
Lead/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	1.25	115.56	100.64	86.22
Magnesium/ICP*filtered	19.5	mg/L	5	<5	04/05/02	6010 & 200.7	---	0.28	107.04	103.16	82.3
Manganese/ICP	0.204	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	---	3.72	120.13	95.36	85.36
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	04/05/02	245.1&7470	---	0.9	107.07	85	108
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	1.4	105.45	95.81	92.93

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*Richard Laster*

Richard Laster

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Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 29

Report#/Lab ID#: 127632  
Sample Matrix: water

## REPORT OF ANALYSIS-cont.

### QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Nickel/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	J	2.2	111.48	96.5	88.91
Potassium/AA*filtered	0.8	mg/L	0.05	<0.05	04/04/02	258.1&7610	---	1.47	104.99	102.65	96.24
Selenium/ICP	<0.05	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	2.65	103.77	99.34	102.73
Silver/GFAA	0.0058	mg/L	0.002	<0.002	04/05/02	272.2&7761	---	1.05	81.65	92.5	110
Sodium/ICP*filtered	79.9	mg/L	50	<50	04/05/02	6010 & 200.7	---	1.34	115.47	101.6	82.84
Strontium/ICP	1.71	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	4.05	90.63	102.36	91.73
Tin/ICP	<0.05	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	1.87	114.26	100.72	91.49
Vanadium/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	2.89	119.17	99.72	90.14
Zinc/ICP	<0.01	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	J	2.8	105.26	96.95	99.11
Alkalinity, bicarbonate	460	mg/L	10	<10	04/08/02	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	04/08/02	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	22.6	mg/L	0.5	<0.5	04/04/02	325.2&9251	---	1.44	107.54	107.37	97.41
Sulfate	11.1	mg/L	1	<1	04/04/02	375.4&9038	---	8.91	110.06	86.56	85.82
Extractable organics-PAH	---	---	---	---	04/11/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	2340	µg/L	10	<10	04/05/02	8260b	---	7.1	89.1	89.8	90.8
Ethylbenzene	102	µg/L	1	<1	04/04/02	8260b	---	7.2	113.2	109.2	106.8
m,p-Xylenes	16.2	µg/L	1	<1	04/04/02	8260b	---	5.8	118.2	114.4	112.5
o-Xylene	1.09	µg/L	1	<1	04/04/02	8260b	---	0.5	113.7	110.6	108.3
Toluene	2.19	µg/L	1	<1	04/04/02	8260b	---	3.8	97	100.2	100.6
Acenaphthene	0.067	µg/L	0.05	<0.05	04/11/02	8270c	---	29.3	35.7	99.3	49.6
Acenaphthylene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	J	29.7	33.7	95.7	47.2
Anthracene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	J	18.4	47.1	93.5	51.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	J	11.9	51.1	89.8	51.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	J	12.9	52.9	90.8	54.2
Benzo[b]fluoranthene	0.052	µg/L	0.05	<0.05	04/11/02	8270c	---	13.3	51.1	88	51.1
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	J	11.5	53.9	92.8	52.4
Benzo[j,k]fluoranthene	0.051	µg/L	0.05	<0.05	04/11/02	8270c	---	14.2	52	92.7	54
Chrysene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	J	11.5	53.1	91.6	53.2
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	J	10.6	55.9	94.1	54.9
Fluoranthene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	J	7.4	46.6	83.3	47.3
Fluorene	0.075	µg/L	0.05	<0.05	04/11/02	8270c	---	28.6	36.8	98.4	40.1

**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 29

**Report#/Lab ID#:** 127632  
**Sample Matrix:** water

## REPORT OF ANALYSIS-cont.

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	J	11	53.1	91.5	52.1
Naphthalene	6.11	µg/L	0.05	<0.05	04/11/02	8270c	---	20.9	21.8	86.5	34.3
Phenanthrene	0.09	µg/L	0.05	<0.05	04/11/02	8270c	---	18.3	47.4	95	51.9
Pyrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	J	13.6	50	88.6	52.7



**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 29

**Report#/Lab ID#:** 127632  
**Sample Matrix:** water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4 Toluene-d8	8260b	104	80-120	---
	8260b	96.4	88-110	---
2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	8270c	70.8	43-116	---
	8270c	51.4	35-114	---
	8270c	51.2	33-141	---

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

## Exceptions Report:

**Report #/Lab ID#:** 127632 **Matrix:** water  
**Client:** Environmental Tech Group  
**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 29  
**Attn:** Ken Dutton

### Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}\text{C}$ . 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
Chromium/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Zinc/ICP	J	See J-flag discussion above.
Acenaphthylene	J	See J-flag discussion above.
Anthracene	J	See J-flag discussion above.
Benzo[a]anthracene	J	See J-flag discussion above.
Benzo[a]pyrene	J	See J-flag discussion above.
Benzo[ghi]perylene	J	See J-flag discussion above.
Chrysene	J	See J-flag discussion above.
Dibenz[a,h]anthracene	J	See J-flag discussion above.
Fluoranthene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.
Pyrene	J	See J-flag discussion above.

### Notes:

**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#:** 127633 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 30

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 15:30

## REPORT OF ANALYSIS

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
A/BN Extraction-PAH	---	---	---	---	04/03/02	3520	---	---	---	---	---
Metals Dig.-Hg	---	---	---	---	04/15/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	04/03/02	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	04/03/02	3005a	---	---	---	---	---
Total dissolved solids	473	mg/L	1	<1	04/17/02	160.1	---	6.97	-NA-	-NA-	-NA-
Aluminum/ICP	1.3	mg/L	0.2	<0.2	04/05/02	6010 & 200.7	---	11.66	108.49	96.7	84.85
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	2.13	106.97	95.24	104.32
Barium/ICP	0.296	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	---	1.19	118.87	100.98	92.88
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	04/05/02	6010 & 200.7	---	5.29	108.11	98	95.62
Boron/ICP	0.107	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	0.69	104.15	102.3	101.44
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	04/05/02	6010 & 200.7	---	3.7	103.23	98.94	91.94
Calcium/ICP*filtered	202	mg/L	10	<10	04/21/02	6010 & 200.7	---	1.35	86.9	97.64	98.87
Chromium/ICP	<0.01	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	J	2.19	119.51	95.74	84.11
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	2.87	119.24	96.62	88.8
Copper/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	2	109	96.72	91.31
Iron/ICP	0.927	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	1.4	117.25	99.62	88.29
Lead/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	J	1.25	115.56	100.64	86.22
Magnesium/ICP*filtered	18.3	mg/L	5	<5	04/05/02	6010 & 200.7	---	0.28	107.04	103.16	82.3
Manganese/ICP	0.269	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	---	3.72	120.13	95.36	85.36
Mercury/CVAA	0.0002	mg/L	0.0002	<0.0002	04/15/02	245.1&7470	---	4.65	88.89	95	107.33
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	J	1.4	105.45	95.81	92.93

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.

Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 30

Report#/Lab ID#: 127633  
Sample Matrix: water

# REPORT OF ANALYSIS-cont.

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Nickel/ICP	0.0336	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	2.2	111.48	96.5	88.91
Potassium/AA*filtered	2.6	mg/L	0.05	<0.05	04/04/02	258.1&7610	---	1.47	104.99	102.65	96.24
Selenium/ICP	<0.05	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	2.65	103.77	99.34	102.73
Silver/GFAA	<0.002	mg/L	0.002	<0.002	04/05/02	272.2&7761	---	1.05	81.65	92.5	110
Sodium/ICP*filtered	74	mg/L	50	<50	04/05/02	6010 & 200.7	---	1.34	115.47	101.6	82.84
Strontium/ICP	1.68	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	4.05	90.63	102.36	91.73
Tin/ICP	<0.05	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	1.87	114.26	100.72	91.49
Vanadium/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	2.89	119.17	99.72	90.14
Zinc/ICP	<0.01	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	J	2.8	105.26	96.95	99.11
Alkalinity, bicarbonate	240	mg/L	10	<10	04/08/02	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	04/08/02	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	30.3	mg/L	0.5	<0.5	04/04/02	325.2&9251	---	1.44	107.54	107.37	97.41
Sulfate	53.4	mg/L	2	<2	04/04/02	375.4&9038	---	8.91	110.06	86.56	85.82
Extractable organics-PAH	---	---	---	---	04/11/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	04/05/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/05/02	8260b	J	7.1	89.1	89.8	90.8
Ethylbenzene	<1	µg/L	1	<1	04/05/02	8260b	J	7.2	113.2	109.2	106.8
m,p-Xylenes	<1	µg/L	1	<1	04/05/02	8260b	---	5.8	118.2	114.4	112.5
o-Xylene	<1	µg/L	1	<1	04/05/02	8260b	---	0.5	113.7	110.6	108.3
Toluene	<1	µg/L	1	<1	04/05/02	8260b	J	3.8	97	100.2	100.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	29.3	35.7	99.3	49.6
Acenaphthylene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	29.7	33.7	95.7	47.2
Anthracene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	18.4	47.1	93.5	51.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	11.9	51.1	89.8	51.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	12.9	52.9	90.8	54.2
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	13.3	51.1	88	51.1
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	11.5	53.9	92.8	52.4
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	14.2	52	92.7	54
Chrysene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	11.5	53.1	91.6	53.2
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	10.6	55.9	94.1	54.9
Fluoranthene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	7.4	46.6	83.3	47.3
Fluorene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	28.6	36.8	98.4	40.1

Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 30

Report#/Lab ID#: 127633  
Sample Matrix: water

**REPORT OF ANALYSIS-cont.**

**QUALITY ASSURANCE DATA<sup>1</sup>**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	11	53.1	91.5	52.1
Naphthalene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	20.9	21.8	86.5	34.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	18.3	47.4	95	51.9
Pyrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	13.6	50	88.6	52.7

**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 30

**Report#/Lab ID#:** 127633  
**Sample Matrix:** water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4 Toluene-d8	8260b	114	80-120	---
	8260b	93.1	88-110	---
2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	8270c	47.4	43-116	---
	8270c	40.3	35-114	---
	8270c	49.9	33-141	---

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

## Exceptions Report:

Report #/Lab ID#: 127633 Matrix: water  
Client: Environmental Tech Group Attn: Ken Dutton  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 30

### 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
Chromium/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.
Zinc/ICP	J	See J-flag discussion above.
Benzene	J	See J-flag discussion above.
Ethylbenzene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

### Notes:



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#:** 127634 **Report Date:** 04/16/02

**Project ID:** SPS-11 EOT 2022C

**Sample Name:** MW 31

**Sample Matrix:** water

**Date Received:** 04/03/2002 **Time:** 09:45

**Date Sampled:** 03/26/2002 **Time:** 15:45

#### REPORT OF ANALYSIS

#### QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
A/BN Extraction-PAH	---	---	---	---	04/02/02	3520	---	---	---	---	---
Metals Dig.-Hlg	---	---	---	---	04/04/02	7470&245.1	---	---	---	---	---
Metals Dig.-HNO3	---	---	---	---	04/03/02	3015	---	---	---	---	---
Metals Dig.-HNO3*filtered	---	---	---	---	04/03/02	3005a	---	---	---	---	---
Total dissolved solids	362	mg/L	1	<1	04/17/02	160.1	---	6.97	-NA-	-NA-	-NA-
Aluminum/ICP	1.45	mg/L	0.2	<0.2	04/05/02	6010 & 200.7	---	11.66	108.49	96.7	84.85
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	2.13	106.97	95.24	104.32
Barium/ICP	0.169	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	---	1.19	118.87	100.98	92.88
Beryllium/ICP	<0.004	mg/L	0.004	<0.004	04/05/02	6010 & 200.7	---	5.29	108.11	98	95.62
Boron/ICP	0.152	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	0.69	104.15	102.3	101.44
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	04/05/02	6010 & 200.7	---	3.7	103.23	98.94	91.94
Calcium/ICP*filtered	207	mg/L	10	<10	04/21/02	6010 & 200.7	---	1.35	86.9	97.64	98.87
Chromium/ICP	0.0105	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	---	2.19	119.51	95.74	84.11
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	2.87	119.24	96.62	88.8
Copper/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	J	2	109	96.72	91.31
Iron/ICP	0.852	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	1.4	117.25	99.62	88.29
Lead/ICP	0.16	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	1.25	115.56	100.64	86.22
Magnesium/ICP*filtered	16.1	mg/L	5	<5	04/05/02	6010 & 200.7	---	0.28	107.04	103.16	82.3
Manganese/ICP	0.208	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	---	3.72	120.13	95.36	85.36
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	04/05/02	245.1&7470	---	0.9	107.07	85	108
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	J	1.4	105.45	95.81	92.93

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.



**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 31

**Report#/Lab ID#:** 127634  
**Sample Matrix:** water

## REPORT OF ANALYSIS-cont.

## QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Nickel/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	J	2.2	111.48	96.5	88.91
Potassium/AA*filtered	1.62	mg/L	0.05	<0.05	04/04/02	258.1&7610	---	1.47	104.99	102.65	96.24
Selenium/ICP	<0.05	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	2.65	103.77	99.34	102.73
Silver/GFAA	<0.002	mg/L	0.002	<0.002	04/05/02	272.2&7761	---	1.05	81.65	92.5	110
Sodium/ICP*filtered	64.1	mg/L	50	<50	04/05/02	6010 & 200.7	---	1.34	115.47	101.6	82.84
Strontium/ICP	1.32	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	4.05	90.63	102.36	91.73
Tin/ICP	<0.05	mg/L	0.05	<0.05	04/05/02	6010 & 200.7	---	1.87	114.26	100.72	91.49
Vanadium/ICP	<0.02	mg/L	0.02	<0.02	04/05/02	6010 & 200.7	---	2.89	119.17	99.72	90.14
Zinc/ICP	0.0131	mg/L	0.01	<0.01	04/05/02	6010 & 200.7	---	2.8	105.26	96.95	99.11
Alkalinity, bicarbonate	240	mg/L	10	<10	04/08/02	SM2320	---	0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<10	mg/L	10	<10	04/08/02	SM2320	---	0	-NA-	-NA-	-NA-
Chloride	26.7	mg/L	0.5	<0.5	04/04/02	325.2&9251	---	1.44	107.54	107.37	97.41
Sulfate	38.6	mg/L	2	<2	04/04/02	375.4&9038	---	8.91	110.06	86.56	85.82
Extractable organics-PAH	---	---	---	---	04/11/02	8270c	---	-NA-	-NA-	-NA-	-NA-
Volatile organics-8260b/BTEX	---	---	---	---	04/04/02	8260b	---	---	---	---	---
Benzene	1.91	µg/L	1	<1	04/04/02	8260b	---	7.1	89.1	89.8	90.8
Ethylbenzene	<1	µg/L	1	<1	04/04/02	8260b	J	7.2	113.2	109.2	106.8
m,p-Xylenes	<1	µg/L	1	<1	04/04/02	8260b	J	5.8	118.2	114.4	112.5
o-Xylene	<1	µg/L	1	<1	04/04/02	8260b	---	0.5	113.7	110.6	108.3
Toluene	1.34	µg/L	1	<1	04/04/02	8260b	---	3.8	97	100.2	100.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	29.3	35.7	99.3	49.6
Acenaphthylene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	29.7	33.7	95.7	47.2
Anthracene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	18.4	47.1	93.5	51.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	11.9	51.1	89.8	51.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	12.9	52.9	90.8	54.2
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	13.3	51.1	88	51.1
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	11.5	53.9	92.8	52.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	14.2	52	92.7	54
Chrysene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	11.5	53.1	91.6	53.2
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	10.6	55.9	94.1	54.9
Fluoranthene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	7.4	46.6	83.3	47.3
Fluorene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	28.6	36.8	98.4	40.1

**Client:** Environmental Tech Group  
**Attn:** Ken Dutton

**Project ID:** SPS-11 EOT 2022C  
**Sample Name:** MW 31

**Report#/Lab ID#:** 127634  
**Sample Matrix:** water

## REPORT OF ANALYSIS-cont.

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov. <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	11	53.1	91.5	52.1
Naphthalene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	20.9	21.8	86.5	34.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	18.3	47.4	95	51.9
Pyrene	<0.05	µg/L	0.05	<0.05	04/11/02	8270c	---	13.6	50	88.6	52.7

Client: Environmental Tech Group  
Attn: Ken Dutton

Project ID: SPS-11 EOT 2022C  
Sample Name: MW 31

Report#/Lab ID#: 127634  
Sample Matrix: water

**REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4 Toluene-d8	8260b	111	80-120	---
	8260b	99.5	88-110	---
2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	8270c	46.9	43-116	---
	8270c	41.1	35-114	---
	8270c	50.9	33-141	---

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

## Exceeds Report:

Report #/Lab ID#: 127634 Matrix: water  
Client: Environmental Tech Group Attn: Ken Dutton  
Project ID: SPS-11 EOT 2022C  
Sample Name: MW 31

### 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
Copper/ICP	J	See J-flag discussion above.
Molybdenum/ICP	J	See J-flag discussion above.
Nickel/ICP	J	See J-flag discussion above.
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.

### Notes:

# CHAIN-OF-CUSTODY

Send Reports To:

Company Name ETGI

Address 2540 W MARLAND

City HOUSTON State TX Zip 77040

ATTN: KEN DUTTON

Phone (505) 897-4182 Fax (505) 897-4701

Bill to (if different):

Company Name ETGI

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

ATTN: \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#: SPS-11 Sampler: Simon Case

507 3022C

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 1	3-26-02	1030	2		X		127606	X
MW 2		1120					127607	
MW 3		1110					127608	
MW 4		1005					127609	
MW 6		1210					127610	
MW 7		1015					127611	
MW 9		1250					127612	
MW 10		1050					127613	
MW 11		1040					127614	
MW 12		1200					127615	

(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 (MPL/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 D.O.C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Simon Case	ETGI	4-2-02	Melanie Humphrey	ASI	4/3/02
					09:45

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

**ANALYSYS INC.**

4221 Freidrich Lane, Suite 190, Austin, TX 78744  
Phone: (512) 444-5896  
Fax: (512) 447-4766

**Stylus Inc.**

**Bill to (if different):**

Company Name:

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

ATTN:

Phone . . . . . Fax . . . . .

mgr.): \_\_\_\_\_

Sampler: *Gregory Adams*

\_\_\_\_\_

[illegible]

(f) 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 formats (MDE-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.

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Gaus	ETGIL	4-2-02	1200	McLennan	Anglo Mex ASI	4/3/02	09:45

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

WC 057 3013

CHAIN-OF-CUSTODY

Send Reports To: Company Name ETGI Bill to (if different): Company Name Corr  
Address 2540 W MARLAND Address Corr  
City HOUSTON State TX Zip 77044 City Corr State TX Zip 77044  
ATTN: JOHN DUTTON ATTN: Corr  
Phone (505) 472-4122 Fax (505) 472-4122 Phone Corr Fax Corr

Analyses Requested (1)  
Please attach explanatory information as required

Rush Status (must be confirmed with lab mgr.):  
Project Name/PO#: SPS-11 Sampler: John Carr

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 23	3-26-02	1350	2		X		127626	X
MW 24		1340					127627	
MW 25		1325					127628	
MW 26		1445					127629	
MW 27		1500					127630	
MW 28		1510					127631	
MW 29		1520	6				127632	X X X
MW 30		1530	6				127633	X X X
MW 31		1545	6				127634	X X X

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MHL/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: D.D.C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
John Carr	ETGI	4-2-02	Madeline Humphrey	ASI	4/3/02
					09:45

[Understanding 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**



Township: 18S      Range: 35E      Sections: 12,13,24

NAD27 X:      Y:      Zone:      Search Radius:

County:      Basin:      Number:      Suffix:

Owner Name: (First)      (Last)      ☐ Non-Domestic      ☒ Domestic      ☐ All

Well / Surface Data Report      Avg Depth to Water Report      Water Column Report

Clear Form      WATERS Menu      Help

WELL / SURFACE DATA REPORT 09/27/2002

(acre ft per annum)				(quarters are 1=NW 2=NE 3=SW 4=SE)										UTM are in Meters)				Sta
DB File Nbr	Use	Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Dat
L 09766	PRO	0	MITCHELL ENERGY CORPORATION	L 09766	Shallow	18S	35E	13	1	1					13	648309	3624809	12/
L 09766 (1)	PRO		YATES PETROLEUM CORPORATION	L 09766 (1) EXP		18S	35E	13	1	1					13	648309	3624809	

Record Count: 2

Back

DB File Nbr: L 09766  
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE  
Primary Status: PMT Permit  
Total Acres:  
Total Diversion: 0  
Owner: MITCHELL ENERGY CORPORATION

Documents on File

Doc	File/Act	Status	1	2	3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	12/04/1985	PMT APR CNV	CONVERSION	L	097	T				3

(qtr are 1=NW 2=NE 3=SW 4=SE)

(qtr are biggest to smallest

Source Tws Rng Sec q q q

Shallow 18S 35E 13 1 1

UTM are in Meters)

UTM\_Zone Easting Northing

13 648309 3624809

Latitude

32 45 3.94

Longitude

103 25 8.63

Other Location Description

Point of Diversion

POD Number

L 09766

Back

DB File Nbr: L 09766 (1)  
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE  
Primary Status: EXP Expired  
Total Acres:  
Total Diversion:  
Owner: YATES PETROLEUM CORPORATION

Documents on File

Doc	File/Act	Status	1	2	3	Trans Desc	From/To	Acres	Diversion	Consumptive
72121	03/13/1986	EXP	EXP	CNV	CONVERSION	L	097 T			

(qtr are 1=NW 2=NE 3=SW 4=SE)

(qtr are biggest to smallest

Source	Tws	Rng	Sec	q	q	q
L	18S	35E	13	1	1	1

UTM are in Meters)

UTM_Zone	Eastng	Northing	Latitude	Longitude
13	648309	3624809	32 45 3.94	103 25 8.63

Township: 18S Range: 36E Sections: 7,8,17,19,20

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☒ Domestic ☐ All

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Water Column Report

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WELL / SURFACE DATA REPORT 09/27/2002

(acre ft per annum)				(quarters are 1=NW 2=NE 3=SW 4=SE)										UTM are in Meters)				Sta	
DB File Nbr	Use	Diversion	Owner	Source	Tws	Rng	Sec	q	q	q	q	X	Y	UTM Zone	Easting	Northing		North	East
L 01533	IND	3840	SOUTHWESTERN PUBLIC SERVICE		18S	36E	07	4	1	1	1			13	650589	3625740			
					18S	36E	08	4	1	1	1			13	652207	3625765			
					18S	36E	19	4	1	1	1			13	650646	3622527			
					18S	36E	17	4	1	1	1			13	652235	3624167			
					18S	36E	20	4	1	1	1			13	652260	3622565			
L 01632	IRR	1801.5	HARVEY AND YVONNE STOTT		18S	36E	08	3	1	1	1			13	651398	3625752			
L 03900	DOM	3	C. W. DUNN	Shallow	18S	36E	20	1	1	3	3			13	651439	3623150		06/	
L 07409	PRO	0	MCVAY DRILLING CO.	Shallow	18S	36E	20	4	4	1	1			13	652670	3622170		07/	

Record Count: 8

**Contact:** DAVID WILKS

Doc	File/Act
APPRO	06/09/1956

From/To	Acres	Diversion	Consumptive
T	0	3840	3840

UTM are in Meters)

X Y are in Feet

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01533	18S	36E	07	4	1	1	1				13	650589	3625740	32 45 29.78	103 23 36.7	
L 01534	18S	36E	08	4	1	1	1				13	652207	3625765	32 45 29.76	103 22 34.51	
L 01535	18S	36E	09	4	1	1	1				13	653815	3625798	32 45 30.06	103 21 32.72	
L 01536	18S	36E	10	4	1	1	1				13	655427	3625829	32 45 30.23	103 20 30.78	
L 01537	18S	36E	11	4	1	1	1				13	657040	3625860	32 45 30.4	103 19 28.79	
L 01538	18S	36E	12	3	1	1	1				13	657846	3625876	32 45 30.51	103 18 57.82	
L 01540	18S	36E	14	3	2	2	2				13	656865	3624240	32 44 38.03	103 19 44.2	
L 01542	18S	36E	16	4	1	1	1				13	653846	3624196	32 44 38.02	103 21 32.49	
L 01544	18S	36E	18	4	1	1	1				13	650618	3624134	32 44 37.6	103 23 36.53	
L 01545	18S	36E	19	4	1	1	1				13	650646	3622527	32 43 45.43	103 23 36.4	
L 01547	18S	36E	21	4	1	1	1				13	653873	3622589	32 43 45.84	103 21 32.41	
L 01550	18S	36E	28	4	1	1	1				13	653901	3620974	32 42 53.41	103 21 32.31	
L 03116	18S	36E	05	4	1	1	1				13	652176	3627373	32 46 21.98	103 22 34.78	
L 03117	18S	36E	06	4	1	1	1				13	650560	3627350	32 46 22.05	103 23 36.86	
L 03118	18S	36E	15	4	1	1	1				13	655456	3624220	32 44 37.98	103 20 30.65	
L 03119	18S	36E	17	4	1	1	1				13	652235	3624167	32 44 37.9	103 22 34.38	
L 03120	18S	36E	20	4	1	1	1				13	652260	3622565	32 43 45.86	103 22 34.39	
L 03121	18S	36E	29	4	1	1	1				13	652288	3620947	32 42 53.31	103 22 34.26	

(quarters are biggest to smallest

Place of Use												(quarters are biggest to smallest)				
Tws	Rng	Sec	q	q	q	Acre	Division	Consumptive	Use	Priority	Status	Other Location Description				
18S	36E	28									PMT	Plant Location				
							3840	3840	IND							

DB File Nbr: L 01632  
Primary Purpose: IRR IRRIGATION  
Primary Status: LIC Licensed  
Total Acres: 600.5  
Total Diversion: 1801.5  
Owner: HARVEY AND YVONNE STOTT

Back

Documents on File

Doc	File/Act	Status	1	2	3	Trans Desc	From/To	Acres	Diversion	Consumptive
COWNF	03/22/2000	CHG PRC	PRC	L	01632	A	T	0		0
CLWPL	03/29/1978	PMT APR	ABS	L	01632	A	F	-45.7	-137.1	
COWNF	11/15/1976	CHG PRC	ABS	L	01632		T	0	0	
COWNF	04/24/1974	CHG PRC	ABS	L	01632		T	0	0	
LIC	09/07/1972	LIC PRC	ABS	L	01632		T	646.2	1938.6	

(qtr are 1=NW 2=NE 3=SW 4=SE)

(qtr are biggest to smallest

Point of Diversion	Source	Tws	Rng	Sec	q	q	q	X	Y	UTM Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01632	18S	36E	04					X	Y	13	653691	3627491	32 46 9.06	103 22 3.82	NW1/4 OF LOT 4
L 01632 S	18S	36E	04		4	1	1			13	653786	3627407	32 46 22.3	103 21 32.9	
L 01632 S-2	18S	36E	08		3	1	1			13	651398	3625752	32 45 29.74	103 23 5.6	
L 01632 S-3	18S	36E	04							13	653691	3627491	32 46 9.06	103 22 3.82	NW1/4 LOT 2

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are biggest to smallest

Place of Use	Tws	Rng	Sec	q	q	q	q	Acres	Diversion	Consumptive	Use	Priority	Status	Other Location Description
17S 36E 33								102.4		307.2	IRR		LIC	Pts. SE1/4 and Pts. SW1/4 Section 33
18S 36E 04								498.1	1494.3		IRR		LIC	Pts. of Section 4

Back

DB File Nbr: L 03900  
Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD  
Primary Status: PMT Permit  
Total Acres:  
Total Diversion: 3  
Owner: C. W. DUNN

Documents on File

Doc	File/Act	Status	1	2	3	Trans	Desc	From/To	Acres	Diversion	Consumptive
72121	06/23/1958	PMT LOG ABS	L	03900				T			3

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion	Source	Shallow	18S	36E	20	1	1	3
L 03900								
L 03900 APPRO								

UTM are in Meters)

UTM Zone	Easting	Northing	Latitude	Longitude
13	651439	3623150	32 44 11.75	103 23 5.45
13	655690	3653155	33 0 23.63	103 20 3.98

X Y are in Feet

Zone	X	Y

Other Location Description

Back

DB File Nbr: L 07409  
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE  
Primary Status: PMT Permit  
Total Acres:  
Total Diversion: 0  
Owner: MCVAY DRILLING CO.

Documents on File

Doc	File/Act	Status	1	2	3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	07/28/1975	PMT APR CNV	CONVERSION	L	074	T				3

(qtr are 1=NW 2=NE 3=SW 4=SE)

(qtr are biggest to smallest

Source Tws Rng Sec q q q

Shallow 18S 36E 20 4 4 1

UTM are in Meters)

UTM\_Zone Easting Northing

13 652670 3622170

X Y are in Feet

X

Zone

Latitude

32 43 32.85

Other Location Description

Longitude 103 22 18.84

Point of Diversion

POD Number

L 07409



Township: 18S Range: 36E Sections: 18

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

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(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are biggest to smallest)

DB File Nbr	Use	Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q	q	q	q	X	Y	UTM Zone	Easting	Northing	Sta
L 01533	IND	3840	SOUTHWESTERN PUBLIC SERVICE	L 01544	Shallow	18S	36E	18	4	1	1				13	650618	3624134	
L 03669	PRO	3	MAKIN DRILLING CO.	L 03669		18S	36E	18	1	3					13	649932	3624422	09/

Record Count: 2

DB File Nbr: L 01533

Primary Purpose: IND  
INDUSTRIAL.

Primary Status: PMT permit

Total Acres: 0

Total Diversion: 3840

**SOURCE: BUREAU OF ECONOMIC ANALYSIS**

Contest: DAVIN WTKS

Documents on File

Doc	File/Act	Status	1	2	3	Trans Desc	From/To	Acres	Division	Consumptive
APPRO	06/09/1956	PMT ET	PRC	L	01533		T	0	3840	3840

(αtr are 1=NW 2=NE 3=SW 4=SE)

(attr are biggest to smallest

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Latitude	Longitude	Other Location Description
L 01533		18S	36E	07	4	1	1				13	650589	3625740	32 45 29.78	103 23 36.7	
L 01534		18S	36E	08	4	1	1				13	652207	3625765	32 45 29.76	103 22 34.51	
L 01535		18S	36E	09	4	1	1				13	653815	3625798	32 45 30.06	103 21 32.72	
L 01536		18S	36E	10	4	1	1				13	655427	3625829	32 45 30.23	103 20 30.78	
L 01537		18S	36E	11	4	1	1				13	657040	3625860	32 45 30.4	103 19 28.79	
L 01538		18S	36E	12	3	1	1				13	657846	3625876	32 45 30.51	103 18 57.82	
L 01540		18S	36E	14	3	2	2				13	656865	3624240	32 44 38.03	103 19 44.2	
L 01542		18S	36E	16	4	1	1				13	653846	3624196	32 44 38.02	103 21 32.49	
L 01544		18S	36E	18	4	1	1				13	650618	3624134	32 44 37.6	103 23 36.53	
L 01545		18S	36E	19	4	1	1				13	650646	3622527	32 43 45.43	103 23 36.4	
L 01547		18S	36E	21	4	1	1				13	653873	3622589	32 43 45.84	103 21 32.41	
L 01550		18S	36E	28	4	1	1				13	653901	3620974	32 42 53.41	103 21 32.31	
L 03116		18S	36E	05	4	1	1				13	652176	3627373	32 46 21.98	103 22 34.78	
L 03117		18S	36E	06	4	1	1				13	650560	3627350	32 46 22.05	103 23 36.86	
L 03118		18S	36E	15	4	1	1				13	655456	3624220	32 44 37.98	103 20 30.65	
L 03119		18S	36E	17	4	1	1				13	652235	3624167	32 44 37.9	103 22 34.38	
L 03120		18S	36E	20	4	1	1				13	652260	3622565	32 43 45.86	103 22 34.39	
L 03121		18S	36E	29	4	1	1				13	652288	3620947	32 42 53.31	103 22 34.26	

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are biggest to smallest

Place of Use		(quarters are biggest to smallest		Acres	Division	Consumptive	Use	Priority	Status	Other Location	Description
Tws	Rng	Sec	q								
185	36E	28			3840		IND		PMT	Plant	Location

Back

DB File Nbr: L 03669  
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE  
Primary Status: PMT Permit  
Total Acres:  
Total Diversion: 3  
Owner: MAKIN DRILLING CO.

Documents on File

Doc	File/Act	Status	1	2	3	Trans Desc	From/To	Acres	Diversion	Consumptive
72121	09/12/1957	PMT LOG ABS	L	03669			T			3

(qtr are 1=NW 2=NE 3=SW 4=SE)

(qtr are biggest to smallest

Point of Diversion	Source	Tws	Rng	Sec	q	q	q
POD Number	Shallow	18S	36E	18	1	3	
L 03669	Shallow	18S	38E	18	1	3	
L 03669 APPRO							

UTM are in Meters)

UTM_Zone	Easting	Northing	Latitude	Longitude	Other Location Description
13	649932	3624422	32 44 50.56	103 24 6.52	
13	669246	3624731	32 44 50.54	103 11 44.48	