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REPORTS

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2005 ANNUAL REPORT

DELROSE SCOTT HUGH
PLAINS EMS NO.: 2000-10807
UL-A, SECTION 26, T21S, R37E
Lea County, New Mexico

IR-463

PREPARED FOR

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Project No. 205071.00

March 2006

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DISCLAIMER

Premier has examined and relied upon the file information provided by Plains and Environmental Plus, Inc. (EPI). Premier has not conducted an independent examination of the information contained in the Plains files; furthermore, we assume the genuineness of the documents reviewed and that the information provided in these documents to be true and accurate. Premier has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. Premier will not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this report was prepared. Premier believes the conclusions stated herein are factual, but no guarantee is made or implied.

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EXECUTIVE SUMMARY

On November 10, 2000, a 20 barrel release of crude oil occurred from a 4" steel pipeline at the Delrose Scott Hugh 4" Gathering line Site (Site), EMS No. 2000-10807. This pipeline was formerly owned by EOTT Energy, LLC (EOTT) and is currently owned by Plains Marketing, L.P. (Plains). The Site is located in T21S, R37E, Section 26 of Lea County, New Mexico, approximately 2 miles east of Eunice, New Mexico (Figure 1, Appendix A) or more specifically at latitude 32° 26' 48" N and longitude 103 ° 08' 07" W (Figure 1, Appendix A). Approximately 5 barrels of product were reported as recovered.

Premier Environmental Services, Inc. (Premier) completed an initial investigation of the release in September 2005 through the installation of five borings (SB-1 through SB-5) and collection of soil samples at selected intervals. Analytical results showed that soil samples from borings SB-1 and SB-2 contained Total Petroleum Hydrocarbons (TPH) and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) concentrations in excess of New Mexico Oil Conservation Division (NMOCD) guidelines. Analytical results show that TPH concentrations in soil samples from boring SB-1, ranging from 6,760 mg/kg at 10 feet bgs to 200.7 mg/kg at 25 feet below ground surface (bgs), exceed the NMOCD criteria of 100 mg/kg total TPH concentration in soil. Other NMOCD criteria exceeded at 10 feet bgs are BTEX concentrations (50 mg/kg criteria) at 214.28 mg/kg. In soil samples from SB-2, TPH concentrations range from 15,560 mg/kg at 20 feet bgs, to 430.3 mg/kg at 40 feet bgs. BTEX concentrations were reported at 848.3 mg/kg at 20 feet bgs to 170.3 at 35 feet bgs. Concentrations of TPH and BTEX in soil samples from borings SB-3 through SB-5 were either below detection limits or below NMOCD guidelines. To complete delineation, three groundwater monitor wells were installed in December 2005.

On December 19, 2005, during installation of soil borings for delineation of affected soils at the Site, phase separated hydrocarbons (PSH) were observed on the sampling tools and drill rod from the boring for monitor well MW-1 while collecting a soil sample from the soil/groundwater interface, at 45 feet below ground surface (bgs). The boring was converted into a 4-inch diameter monitor well. Borings completed for monitor wells MW-2 and MW-3 showed no signs of PSH and no evidence of hydrocarbons through field readings using an organic vapor monitor (OVM). These borings were converted to 2-inch diameter monitor wells.

Soil samples collected in December 2005 were analyzed for TPH and BTEX. Analytical results show that TPH concentrations in soil samples from the boring for monitor well MW-1, ranging from 698 mg/kg at 45 feet bgs to 15,720 mg/kg at 20 feet bgs, exceed the NMOCD criteria of 100 mg/kg total TPH concentration in soil. Other NMOCD criteria exceeded in monitor well MW-1 at 20 feet bgs are benzene (10 mg/kg criteria concentration) at 18.9 mg/kg and BTEX (50mg/kg criteria concentration) at 379.8 mg/kg. BTEX concentrations in soil were also exceeded at 40 feet bgs, at 115.19 mg/kg. In soil a sample at 45 feet bgs, from the boring for monitor well MW-2, a TPH concentration of 214 mg/kg was reported. Benzene, BTEX and TPH concentrations for all other samples are below NMOCD criteria.

The three monitor wells were gauged and developed in December 2005. Groundwater from monitor wells MW-2 and MW-3 was sampled and analyzed for BTEX by EPA method 8021B. Groundwater from MW-1 was not sampled due to PSH sheen. An oil absorbent sock was placed in MW-1 for PSH recovery. Groundwater samples collected from monitor wells MW-2 and MW-3 were placed on ice and shipped overnight to Accutest Laboratories, in Houston, Texas, for laboratory analyses.

BTEX concentrations were not detected in groundwater samples collected from monitor wells MW-2 and MW-3. Analytical results are summarized on tables in Appendix B, and analytical reports are found in Appendix C.

Further monitoring and investigation is planned at the Site to fully delineate groundwater impact at the Site, with NMOCD approval. The monitor wells at the Site will be gauged twice a month and the sock changed as required. Groundwater samples will be collected quarterly to monitor BTEX concentrations in groundwater. Based on the results of the investigation to fully delineate the groundwater impact at the site and quarterly groundwater sampling results, a detailed work plan will be prepared and submitted to NMOCD for approval.

1.0 INTRODUCTION AND SITE HISTORY

Premier Environmental Services, Inc. (Premier) was retained by Plains Marketing, L.P. (Plains) to complete a Site Investigation at the Delrose Scott Hugh Gathering 4" Site (Site) (EMS Nos. 2000-10807).

The leak that occurred at the Site on November 10, 2000, was apparently caused by corrosion. The Site is located in T21S, R37E, Section 26 of Lea County, New Mexico, approximately 2 miles east of Eunice, New Mexico (Figure 1, Appendix A). At the time of the release, the pipeline was owned by EOTT, Inc. The pipeline is now owned by Plains Marketing, L.P. (Plains). The release occurred due to corrosion of this surface pipeline, and was reported by EOTT to Ms. Donna Williams at the New Mexico Oil Conservation Division (NMOCD) on November 10, 2000 at 2:25 p.m. Approximately 5 barrels of product was reported as recovered.

The leak was repaired and impacted soil was removed and temporarily placed on a plastic liner. In September 2005, Premier completed an initial investigation of the release through the installation of five borings and collection of soil samples at selected intervals. To complete vertical delineation of hydrocarbon impact and to investigate groundwater at the Site, three groundwater monitor wells were installed in December 2005.

2.0 ENVIRONMENTAL CHARACTERIZATION

2.1 Geological Description

In Lea County, bedrock frequently crop out or are thinly veneered with alluvium and eolian dune sands. The bedrock outcrops range from Triassic age strata rocks to Pleistocene age sediments. The Recent Age Mescalero sands cover 80% of Lea County, and are described as fine to medium-grained and reddish brown in color. Lea County lies in the Pecos Valley Section of the Great Plains Province, very near the Southern High Plains to the east. The Tertiary Age Ogallala Formation underlies all of the High Plains and mantles several ridges in Lea County.

The Site seems to be characteristic of the High Plains, with a uniform, topographically relatively flat surface that slopes very gently to the southeast.

2.2 Land Use

Land use in the area is primarily livestock rangeland and oil and gas production. Several gas compressor stations are located in the vicinity of the Site and several major oil and gas transmission lines bisect the region. The area in the immediate vicinity of the Site is sparsely populated. There is a railroad track located to the south of the Site.

2.3 Ground Water

The New Mexico Office of the State Engineer database lists three water wells in Section 26, T21S R37E (Appendix D). Total depth of two of these private use water wells appears to be 85 feet bgs and one is 100 feet bgs feet. The average depth to water is approximately 50 to 60 feet bgs. There are no municipal water wells within 1000 feet of the Site.

2.4 Surface Water

There are no surface water bodies within 1000 feet of the Site.

3.0 REGULATORY FRAMEWORK

In New Mexico, the NMOCD oversees and regulates oil, gas and geothermal activities, including compliance with environmental regulations. Guidance for cleanup of crude oil releases is provided in the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993) document. Primary contaminants, or COCs, associated with crude oil releases include TPH, and BTEX. Guidelines for these COCs in soil are evaluated based on a site ranking system. The ranking system estimates the likelihood of exposures to the COCs and is based on the three following parameters to protect groundwater and surface water resources:

- Depth to groundwater
- Wellhead protection area
- Distance to surface water body

3.1 NMOCD Site Ranking Guidance – Initial Evaluation

The Site was initially evaluated based on the information presented in the previous sections. Based on the proximity of the Site to area water wells, surface water bodies, and depth to groundwater, the Site has an NMOCD ranking score of **20 points,** with the soil remedial goals highlighted below in the Site Ranking Matrix.

Table 1 - Site Ranking Matrix

1. Groundwater	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or, <200' from private domestic water source: *20 points*	<200 horizontal feet: 20 points
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: 10 points
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or, >200' from private domestic water source: *0 points*	>1000 horizontal feet: 0 points
Groundwater Score:20	*Wellhead Protection Area Score: 0*	*Surface Water Score: 0*
Site Rank (1+2+3) =20+0+0=20		
Total Site Ranking Score and Initial Guidance Cleanup Concentrations		

Parameter	20 or >	10	0
Benzene[1]	**10 ppm**	10 ppm	10 ppm
BTEX[1]	**50 ppm**	50 ppm	50 ppm
TPH	**100 ppm**	1000 ppm	5000 ppm

4.0 SITE INVESTIGATIONS AND RESULTS

4.1 Previous Soil Investigations and Results

According to information supplied by Plains, the impacted area was approximately 200 feet by 15 feet, and product flowed within the pipeline right of way. The leak was repaired and impacted soil was removed and temporarily placed on a plastic liner. A site visit by Premier personnel in April 2005 confirmed that impacted soil remains stockpiled onsite. Site investigations were continued in September and December 2005, as described below.

4.2 September 2005 Soil Investigation

Site delineation was initiated in September 2005 through the installation of soil borings within and adjacent to the flow path of the release. Details regarding this investigation are found in the following sections.

4.2.1 September 2005 Soil Investigation Activities

On September 14 and 15, 2005, Premier installed five borings and collected soil samples from selected intervals to evaluate soil conditions at the Site. Soil samples were collected between 2 feet to 40 feet in depth bgs and submitted to Accutest for laboratory analyses of TPH, Diesel Range Organics (DRO), and Gasoline Range Organics (GRO) by EPA Method 8015M, and for BTEX by EPA Method 8021B. Soil boring locations are shown on Figure 2, Appendix A. Soil boring logs are also found in Appendix A. Analytical results are shown on Table 2, Appendix B.

4.2.2 September 2005 Soil Investigation Results

Analytical results show that TPH concentrations in soil samples collected from boring SB-1, ranging from 6760 mg/kg at 10 feet bgs to 200.7 mg/kg at 25 feet bgs, exceed the NMOCD criteria of 100 mg/kg total TPH in soil. Other NMOCD criteria exceeded at 10 feet bgs are BTEX (50 mg/kg criteria/ 214.28 mg/kg concentration). In soil samples from boring SB-2, TPH concentrations range from 15,560 mg/kg at 20 feet bgs, to 430.3 mg/kg at 40 feet bgs. BTEX is observed at 848.3 mg/kg at 20 feet bgs to 170.3 at 35 feet bgs. Concentrations of TPH and BTEX in soil from SB-3 through SB-5 were either below detection limits or below NMOCD guidelines. Analytical results are summarized on Table 2, Appendix B.

4.3 December 2005 Soil and Groundwater Investigation

Based on findings from the September 2005 investigation, and the surface expression of the release, further delineation was required to evaluate the extent of hydrocarbons in soil and evaluate if groundwater was affected by the release. Three groundwater monitor wells were installed, MW-1 through MW-3, on December 19 and 20, 2005, with collection and screening of soil samples during drilling.

4.3.1 December 2005 Soil Investigation Activities

On December 19 and 20, 2005, three delineation soil borings were installed adjacent to the flow path of the release to evaluate the horizontal and vertical limits of affected soil, and to convert the soil borings into monitor wells to evaluate groundwater impact. A Site layout and soil boring/monitor well location map is presented in Figure 2, Appendix A. The boring for monitor well MW-1 was advanced south/southeast of the eastern pooling area along the release flow path. The boring for monitor well MW-2 was installed south/southeast of the western pooling area along the release flow path. Monitor well MW-3 was installed as an up gradient control well, to the north of the flow path and approximately halfway between MW-1 and MW-2. Soil samples were collected and examined by a Premier geologist and described using Unified Soil Classification System criteria, modified to include calcified soil horizons locally present. The well borings were logged on the basis of cuttings, discrete samples, the reaction of the rig to changes in strata, and the driller's and professional geologist's experience. The soil samples collected from field activities were analyzed on site, using an Organic Vapor Monitor (OVM) and select samples with the highest OVM readings were submitted for laboratory analyses to determine the extent of hydrocarbon impacted soils in the subsurface.

Discrete soil samples were collected using an open ended core tool mounted to the drill rod at five foot intervals. Cuttings samples were collected and analyzed continuously during drilling operations. The discrete samples were placed in self sealing polypropylene bags for visual and headspace analyses, additionally samples were collected in laboratory supplied, clean, glass containers and place in a cooler on ice in preparation for shipment to Accutest Laboratories, in Houston, Texas for laboratory analysis of TPH GRO and TPH DRO, and for BTEX by EPA method 8021B.

The first soil boring (MW-1) was advanced to a depth of 55 feet below ground surface (bgs) on December 19, 2005 approximately 20 feet west and six feet south of the source area. No staining was observed in soil samples during the drilling of this soil boring. The samples had a slight to strong hydrocarbon odor from five feet bgs to 33 feet bgs. No odors were detected from 33 feet bgs to 43 feet bgs. However, a strong odor was detected at the groundwater interface/capillary zone from 43 to 44 feet bgs. A sheen was observed on the drill rod and sampling tool during collection of sample MW1-45'. Groundwater was first encountered at 44 feet bgs and after collecting a soil sample at 45 feet bgs the hole was reamed to 7 7/8-inches to a total depth of 55 feet bgs (approximately 10 feet below the first encountered groundwater). A four-inch diameter PVC monitoring well was installed consisting of 20 feet of 0.010 inch, slotted screen from a depth of 55 feet bgs up to a depth of 35 feet bgs and solid riser was installed from a depth of 35 feet bgs up to approximately 36 inches above ground surface to accommodate a stick up well mount. A filter pack of 20/40 graded sand was installed up to 33 feet bgs and hydrated bentonite was installed from 33 feet bgs up to two feet bgs. On December 20, 2005, a 4 by 4 foot concrete pad was laid with a steel well shroud to complete the well.

Soil samples were prepared for laboratory analyses from discrete soil samples collected at five foot intervals (5', 10', 15', 20', 25', 30', 35', 40', and 45' bgs). Headspace analysis indicated organic vapor concentrations of 0.0 ppm, 447 ppm, 418 ppm, 455 ppm, 360 ppm, 394 ppm, 403 ppm, 487 ppm and 154 ppm respectively. Soil samples MW1-20', MW1-40', and MW1-45' were selected for further laboratory analyses.

The second soil boring (MW-2) was advanced to a depth of 55 feet bgs on December 19, 2005. Monitor well MW-2 was located approximately 143 feet west of the source area and eight feet south of the pipeline. No staining or odors were observed in soil samples during the drilling of this soil boring. Groundwater was first encountered at 41 feet bgs. A two-inch diameter PVC monitoring well was installed consisting of 20 feet of 0.010 inch, slotted screen from a depth of 55 feet bgs up to a depth of 35 feet bgs and solid riser was installed from a depth of 35 feet bgs up to approximately 36 inches above ground surface to accommodate a stick up well mount. A filter pack of 20/40 graded sand was installed up to 33 feet bgs and hydrated bentonite was installed from 33 feet bgs up to two feet bgs. On December 20, 2005, a 2 by 2 foot concrete pad was laid with a steel well shroud to complete the well.

Samples were prepared from discrete soil samples collected at five foot intervals (from 5' to 45' bgs). Headspace analysis indicated organic vapor concentrations of 0.0 ppm for all soil samples. Soil samples MW2-30', MW2-40', and MW2-45' were selected for further laboratory analyses.

The third soil boring (MW-3) was advanced to a depth of 55 feet bgs on December 20, 2005. Monitor well MW-3 was located approximately 84 feet west and 48 feet north of the source area. No staining or odors were observed in soil samples during the drilling of this soil boring. Groundwater was first encountered at 43 feet. A two-inch diameter PVC monitoring

well was installed consisting of 20 feet of 0.010 inch, slotted screen from a depth of 55 feet bgs up to a depth of 35 feet bgs and solid riser was installed from a depth of 35 feet bgs up to approximately 36 inches above ground surface to accommodate a stick up well mount. A filter pack of 20/40 graded sand was installed up to 33 feet bgs and hydrated bentonite was installed from 33 feet bgs up to two feet bgs. On December 20, 2005, a 2 by 2 foot concrete pad was laid with a steel well shroud to complete the well.

Samples were prepared from discrete soil samples collected at five foot intervals (from 5' to 45' bgs). Headspace analysis indicated organic vapor concentrations of 0.0 ppm for all soil samples. Soil samples MW3-5', MW3-40', and MW3-45' were selected for further laboratory analyses. Soil boring locations are shown on Figure 2, Appendix A. The well boring log and construction drawings are also provided in Appendix A.

4.3.2 December 2005 Soil Investigation Results

Based upon the examination of soil cuttings, the lithology at the Delrose Scott Hugh Site is consistent with aeolian and ephemeral stream deposition. Interbedded clays and sands with calcified caliche layers indicate wind blown deposits with historic undulating groundwater capillary zones. Observation of the general area indicates wind generated sand dunes, somewhat stabilized with vegetation including mesquite and shinnery oak. Monument Draw bisects the area to the east of the site.

The water table currently ranges in depth locally from 45 to 65 feet bgs. The clay layers may act as an aquitard locally, however they are rarely widespread or thick enough to be considered an aquiclude.

Analytical results of selected soil samples analyzed for TPH DRO, TPH GRO and BTEX were compared to the NMOCD Site ranking cleanup goals.

Soil samples collected from the boring associated with monitor well MW-1 showed TPH concentrations above 100 mg/kg down to the first water bearing zone at a depth of 45 feet bgs. Analytical results are summarized in Table 2, Appendix B.

Soil samples collected from the boring associated with monitor well MW-2 detected no TPH concentrations from ground surface to a depth of 40 feet bgs. A soil sample collected at the first water bearing zone at a depth of 45 feet bgs showed TPH concentrations of 214 mg/kg. This indicates potential migration of hydrocarbon in groundwater to monitor well MW-2.

Soil samples collected from the boring associated with monitor well MW-3 detected no TPH concentrations from ground surface to the first water bearing zone at a depth of 45 feet bgs as anticipated as this represents a background monitor well.

Results of the laboratory analyses indicate the Site has been laterally and vertically delineated to the north and west, however further investigation will be required to delineate groundwater impact to the south and southeast.

4.3.3 Groundwater Investigation Activities

On December 21, 2005, monitor wells were gauged from the top of casing to determine groundwater levels in each well. The groundwater level from top of casing in each well is as

follows: MW-1 - 36.22 feet, MW-2 – 45.23 feet, and in MW-3 - 45.57 feet. PSH sheen was observed in MW-1.

On December 21, 2005, all three wells were also developed/purged and sampled by Premier personnel by hand bailing a minimum of 5 well volumes from each well. Groundwater samples were collected for laboratory analyses BTEX by EPA method 8021B. These samples were shipped overnight to Accutest Laboratories, in Houston, TX. Groundwater gauging is summarized in Table 3, Appendix B. The groundwater gradient is shown on Figure 3, Appendix A.

4.3.4 Groundwater Investigation Results

Analytical results from groundwater samples collected from monitor wells MW-2 and MW-3 indicated BTEX concentrations at less than the method detection limit of 0.002 mg/L and therefore, below NMOCD guideline. Groundwater analytical results are summarized in Table 4, Appendix B. PSH was present as sheen in MW-1; this was addressed by placing an absorbent sock in MW-1. The groundwater gauging data indicates a relatively shallow gradient of 0.0047 ft/ft towards the southeast (Figure 3, Appendix A). Figure 4, Appendix A, shows locations of NMOCD exceedances in soil and groundwater.

5.0 REMEDIATION ACTIVITIES COMPLETED

Investigation activities completed at the Site included installation of 5 borings in September 2005 and three monitor wells in December 2005. Soil boring analytical data indicated subsurface impact in close proximity to groundwater. Of the three monitor wells installed, PSH sheen was observed only in groundwater from MW-1. Dissolved phase hydrocarbons were not detected in any other monitor wells.

6.0 CONCLUSIONS

The September and December 2005 Site subsurface investigation at the Del Rose Scott Hugh Site included advancing soil borings along the southern side flow path of the release to delineate vertical soil impact at the Site and converting the borings to monitor wells to investigate potential groundwater impact at the Site. The data collected illustrates the following:

- Soil samples from the monitor well MW-1 boring detected TPH concentrations above 100 mg/kg down to the first water bearing zone at a depth of 45 feet bgs.
- Soil samples from the monitor well MW-2 boring indicate no TPH concentrations from ground surface to a depth of 40 feet bgs. A soil sample collected at the first water bearing zone at a depth of 45 feet bgs showed TPH concentrations of 214 mg/kg.
- Soil samples from the monitor well MW-3 boring detected no TPH concentrations from ground surface to total depth of 45 feet bgs. MW-3 represents a background/up-gradient monitor well.
- Groundwater in monitor well MW-1 displayed PSH sheen. Groundwater samples from monitor wells MW-2 and MW-3 showed no concentrations of BTEX above the method detection limit.

The results of this soil and groundwater investigation demonstrate that hydrocarbons in groundwater and soil has been delineated to the west and north at the Site; however, hydrocarbons in groundwater have not been delineated south and east of the source area.

7.0 PROPOSED REMEDIAL APPROACH

The monitor wells at the Site will be gauged twice a month and the sock changed as required. Further monitoring and investigation is planned to fully delineate PSH associated with monitor well MW-1 and to further evaluate the presence of hydrocarbon in groundwater.

Two additional monitor wells are planned for installation in March 2006 at the Site to further delineate the groundwater impact and evaluate Site conditions. PSH (when present) will be recovered by manual bailing product from the recovery wells or with the use of absorbent socks. Wells with no PSH present will be developed and sampled on completion, then re-sampled on a quarterly basis to evaluate any changes in Site conditions.

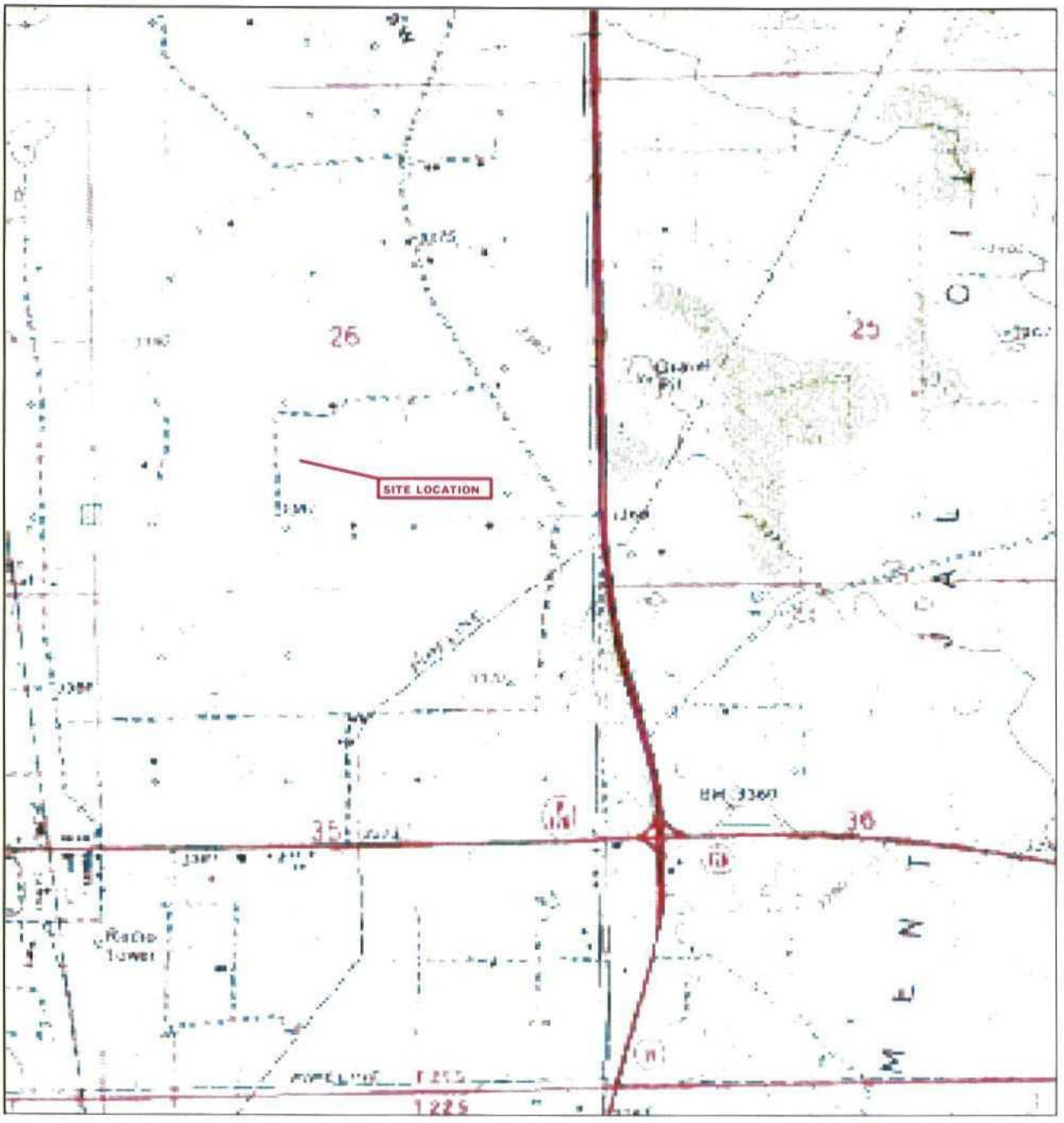
Appendix A Figures

Figure 1 – Site Location Map
Figure 2 – Site Map
Figure 3 – Groundwater Gradient Map
Figure 4 – BTEX and TPH NMOCD Soil Exceedances

Soil Boring Logs and Monitor Well Construction Diagrams

- SB-1
- SB-2
- SB-3
- SB-4
- SB-5
- MW-1
- MW-2
- MW-3

PREMIER



N

Eunice Quadrangle
32°26'48"N Latitude & 103°08'07"W Longitude

1/2 1/4 0 1/4 1/2
Distance in Miles

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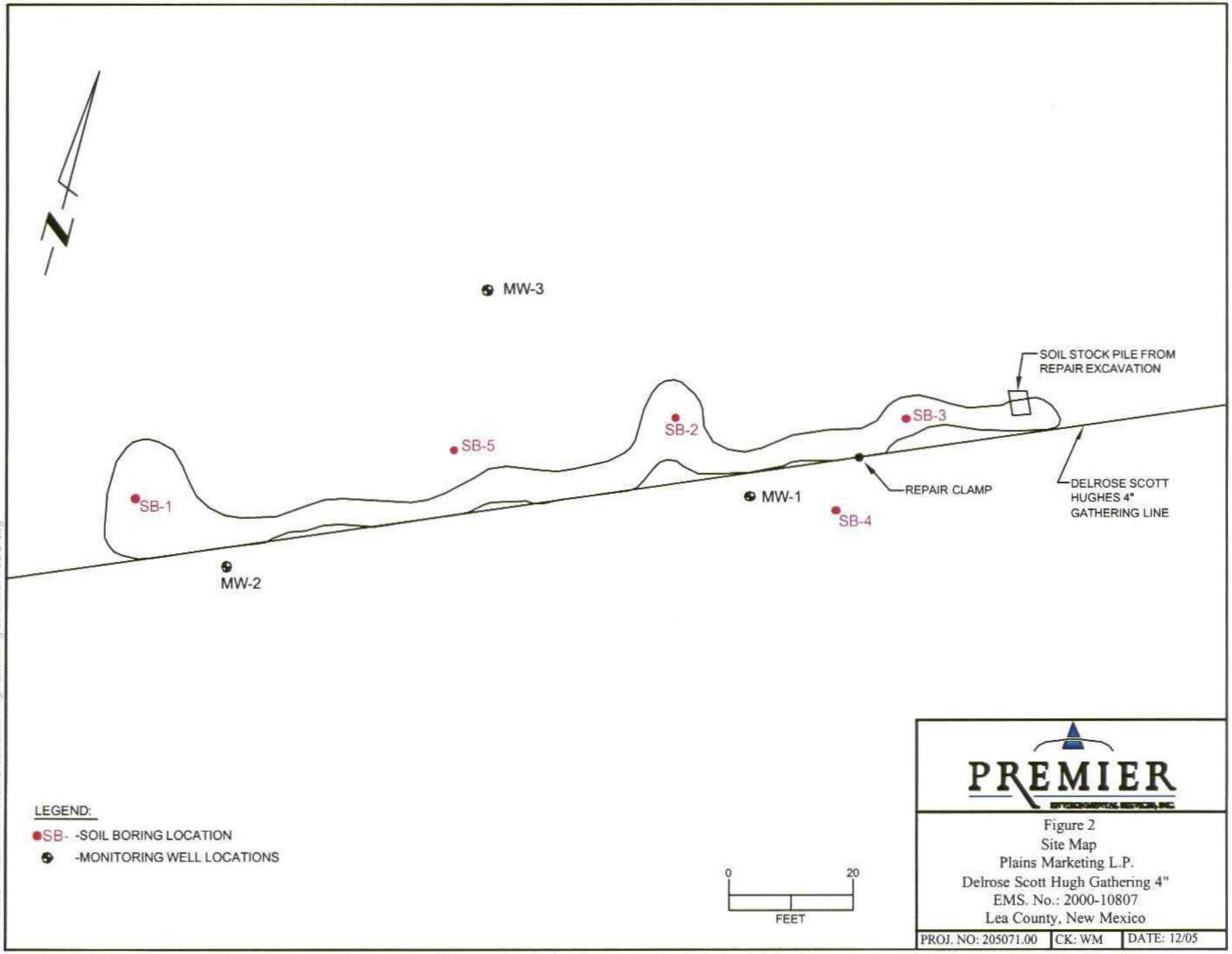
ENVIRONMENTAL SERVICES, INC.

Figure 1
Site Location Map
Plains Marketing L.P.
Delrose Scott Hugh Gathering 4"
EMS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK:	DATE: 7/05

P:\PROJECT FILES\CAD Files\Delrose Hugh Gathering 4in 205071.00.dwg



PREMIER

Figure 2
Site Map
Plains Marketing L.P.
Delrose Scott Hugh Gathering 4"
EMS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: WM	DATE: 12/05

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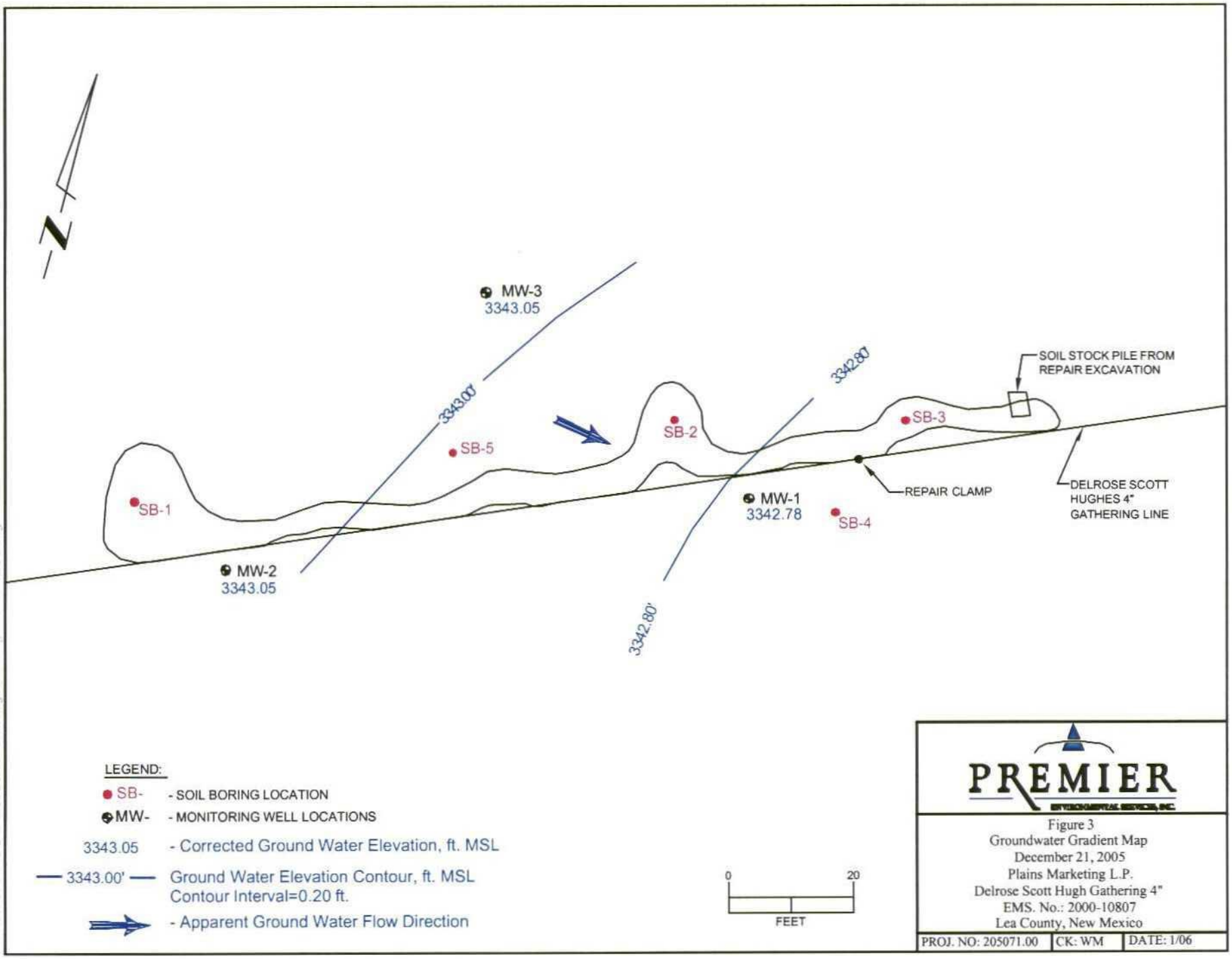
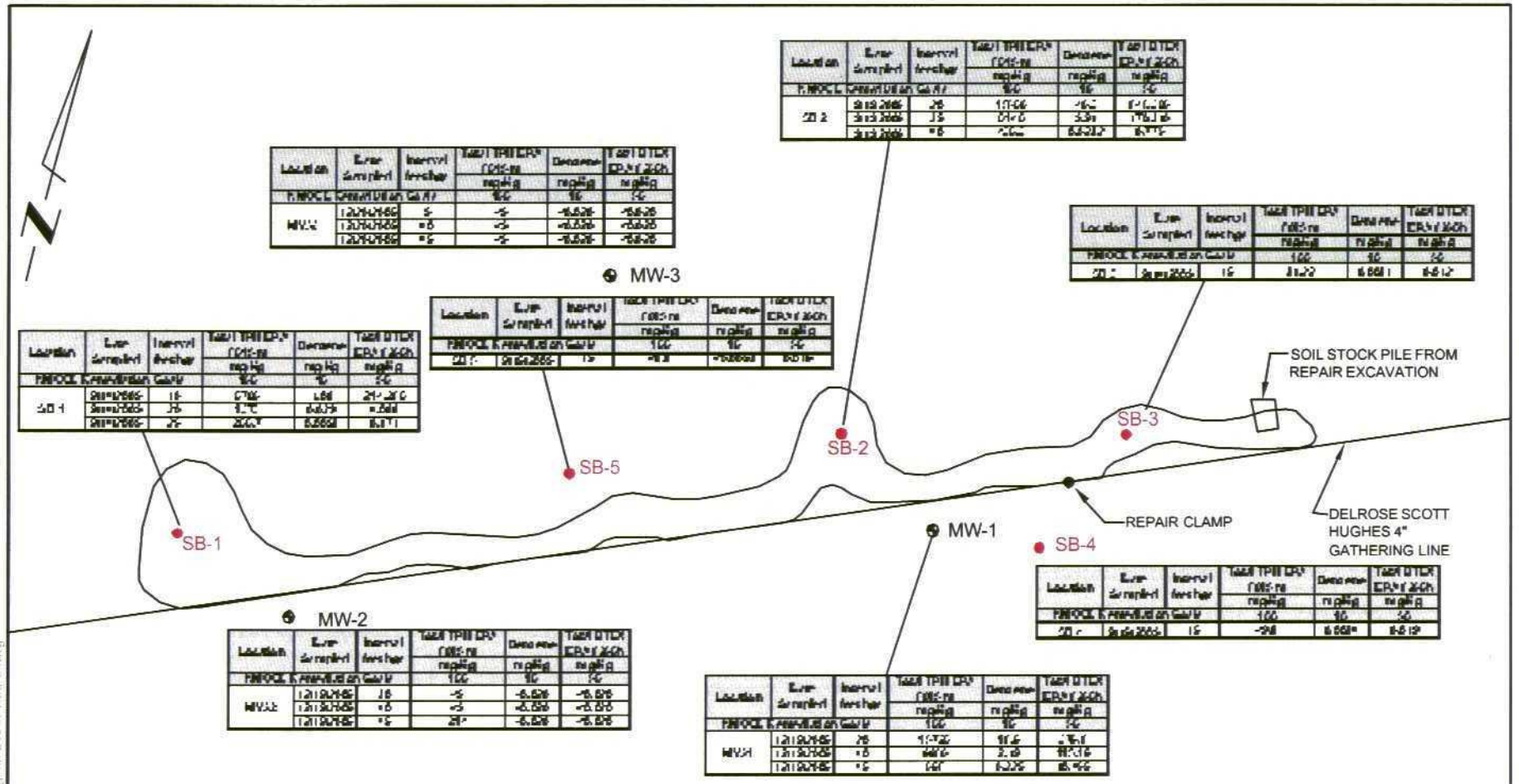


PREMIER

Figure 3
Groundwater Gradient Map
December 21, 2005
Plains Marketing L.P.
Delrose Scott Hugh Gathering 4"
EMS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: WM	DATE: 1/06



LEGEND:

- PMW- - PROPOSED MONITOR WELL LOCATIONS
- SB- - SOIL BORING LOCATION
- MW- - MONITORING WELL LOCATIONS

mg/kg = All Units in Milligram per Kilogram

ft. bgs. = Feet Below Ground Surface

ND = Non Detect

NEW MEXICO OIL CONSERVATION DIVISION (NMOCD)
REGULATORY EXCEEDURES IN BOLD
ALL OTHER SOIL AND GROUNWATER RESULTS BELOW NMOCD
GUIDLINES OR NON DETECT

0 20
FEET

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ENVIRONMENTAL SERVICES, INC.

Figure 4
BTEX & TPH NMOCD Soil Exceedances
Plains Marketing L.P.
Delrose Scott Hugh Gathering 4"
EMS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: WM	DATE: 1/06

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PREMIER

LOCATION MAP

STATION ID SB-1

PROJECT Delrose Scott Hugh Gathering 4" LOCATION Lea County, New Mexico

TOTAL DEPTH 25' BOREHOLE DIA (in) 5"

DRILLING CO. Straub DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 9/14/05

DEPTH	GRAPHIC LOG	PID (ppm)	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS
0			Silty Sand, dark reddish brown, stained to 4'.	
6		165	Caliche, reddish brown, firm, damp, no plasticity, very fine grained, poorly sorted.	Strong odor to 11'
10		278	Caliche, light greyish green, firm, dry, low plasticity, very fine grained, poorly sorted.	Moderate odor to 16'
16		145	Caliche and 1" gravel, light reddish brown, firm, damp, low plasticity, very fine to coarse grained, poorly sorted, subrounded.	Slight odor to 22'
20		72	Caliche, light reddish brown, firm, dry, low plasticity, very fine to coarse grained, poorly sorted, subrounded.	
24		26	Clayey Sand, reddish brown, loose, dry, very fine to coarse grained, poorly sorted, subrounded.	No odor @ 23'
			TD= 25'	

PREMIER

LOCATION MAP

STATION ID SB-2

PROJECT Delrose Scott Hugh Gathering 4" LOCATION Lea County, New Mexico

TOTAL DEPTH 40' BOREHOLE DIA (in) 5"

DRILLING CO. Straub DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 9/15/05

DEPTH	GRAPHIC LOG	PID (ppm)	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS
0			Sand, dark reddish brown, loose, damp, very fine to medium grained, poorly sorted, subangular, stained to 3'.	Strong odor 0 to 16'
6		331	Caliche, light greyish green, firm, damp, low plasticity, very fine grained, fairly sorted, subangular.	
10		253	Caliche, light greyish green, firm, dry, low plasticity, very fine grained, fairly sorted, subangular.	
14		230	Caliche, light greyish orange, firm, dry, low plasticity, very fine grained, fairly sorted, subangular.	
16			Red sand @ 17'.	Moderate odor to 28'
20		152	Silty Sand, reddish brown, firm, dry, very fine to fine grained, poorly sorted, subangular.	
26		113	Sandy Caliche, dark reddish brown, firm to loose, dry, very fine to coarse grained, poorly sorted, subangular.	
28				Slight odor to 37'
30		94	Sandy Caliche, light reddish brown, firm to loose, dry, very fine to fine grained, poorly sorted, subangular.	
34		145	Sandy Caliche, light reddish brown, firm to loose, dry, very fine to medium grained, poorly sorted, subangular.	
36				No odor to 40'
40		17	Sandy Caliche, light grey, firm to loose, dry, very fine grained, fairly sorted, subrounded.	
42			TD= 40'	

PREMIER

LOCATION MAP

STATION ID SB-3

PROJECT Delrose Scott Hugh Gathering 4" LOCATION Lea County, New Mexico

TOTAL DEPTH 15' BOREHOLE DIA (in) 5"

DRILLING CO. Straub DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 9/15/05

DEPTH	GRAPHIC LOG	PID (ppm)	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS
0 - 2			Silty Sand, reddish brown, loose, stained to 2', caliche at 3'.	Fair odor to 7'
4 - 8		265	Caliche, light greyish green, stiff, dry, moderate plasticity, very fine grained, fairly sorted.	Slight odor to 11'
10 - 14		182	Caliche, light greyish red, loose, dry, low plasticity, very fine grained, fairly sorted.	No odor to 15'
14		6.2	Clayey Sand, light reddish grey, loose, dry, very fine grained, fairly sorted, subangular.	
16			TD= 15'	
18 - 42				

PREMIER

LOCATION MAP

STATION ID SB-4

PROJECT Delrose Scott Hugh Gathering 4" LOCATION Lea County, New Mexico

TOTAL DEPTH 15' BOREHOLE DIA (in) 5"

DRILLING CO. Straub DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 9/15/05

DEPTH	GRAPHIC LOG	PID (ppm)	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS
0			Silty Sand, light reddish brown, loose, dry, very fine to fine grained, poorly sorted, subangular.	
2				
4		3.6	Sandy Caliche, light reddish grey, firm to loose, dry, very fine grained, fairly sorted, subangular.	
6				
8				
10		1.3	Sandy Caliche, light grey, firm to loose, dry, very fine grained, fairly sorted, subangular.	
12				
14				
16			TD= 15'	
18				
20				
22				
24				
26				
28				
30				
32				
34				
36				
38				
40				
42				

PREMIER

WELL NUMBER MW-1

PROJECT Delrose Scoot Hugh 205071.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 55 BOREHOLE DIA (in) 7 7/8 STICKUP (ft) --

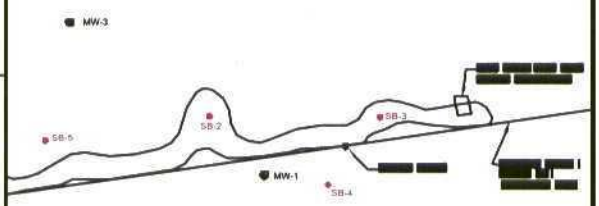
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.020

DRILLING CO. Straub DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 12/19/05

TOP OF CASING ELEV. (ft) 3389.00' GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
0					SC	Sand, medium reddish brown, loose, dry, very fine to fine grained, fair sorting, subrounded to 2'.		
4		100		0.0	Caliche	Caliche @ 2' Silty Sandy, light reddish grey, poorly indurated dry, very fine to fine grained, fair sorting, subangular, some small gravel to 0.25". Odor @ 6' slight.	MW1-5'	
10		100		447	Caliche	Caliche, light yellowish red @ 11'.	MW1-10'	
14		100		418	Caliche	Odor in waves from slight to strong.	MW1-15'	
20		100		455	Caliche		MW1-20'	
24		100		360	Caliche	Caliche, light yellowish grey, well indurated, dry, very fine to fine grained, fair sorting, subangular.	MW1-25'	
30		100		394	Caliche	Odor dropping off.	MW1-30'	
34		100		403	Caliche		MW1-35'	
40		100		487	Caliche	Strong odor.	MW1-40'	

PREMIER

WELL NUMBER MW-1

PROJECT Delrose Scoot Hugh 205071.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 55 BOREHOLE DIA (in) 7 7/8 STICKUP (ft) --

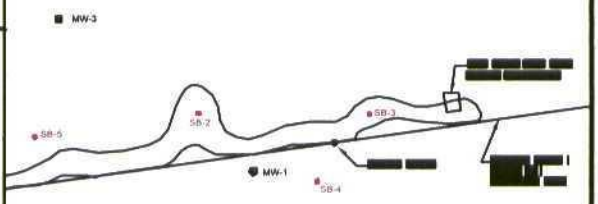
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.020

DRILLING CO. Straub DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 12/19/05

TOP OF CASING ELEV. (ft) 3389.00' GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
40								
42						water @ 44', PSH on tool @ 45'		
44		100		154	Caliche	Caliche, clayey, gravelly, light yellowish grey, poorly indurated, wet, very fine to coarse grained, poorly sorted, subangular.	MW1-45'	
46						Increase in Clay.		
48								
50						No Sample - PSH		
52								
54								
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								

PREMIER

WELL NUMBER MW-2

PROJECT Delrose Scoot Hugh 205071.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 55 BOREHOLE DIA (in) 7 7/8 STICKUP (ft) --

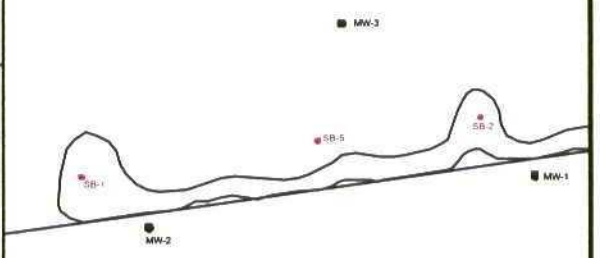
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.020

DRILLING CO. Straub DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 12/19/05

TOP OF CASING ELEV. (ft) 3388.28' GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
0					SC	Sand, medium reddish brown, loose, dry, very fine to fine grained, fair sorting, subrounded to 2'.		
4		100		0.0	Caliche	Caliche, light yellowish red, poorly indurated, dry, very fine to fine grained, fair sorting, subangular.	MW2-5'	
10		100		0.0	Caliche		MW2-10'	
12						Caliche, medium red, iron staining @ 12'.		
14		100		0.0	Caliche	Caliche, medium reddish grey.	MW2-15'	
20		100		0.0	Caliche		MW2-20'	
24		100		0.0	Caliche	Caliche, medium reddish grey, dry, poorly indurated, silty sandy, very fine to fine grained, subangular, iron staining.	MW2-25'	
28						Poor to fair induaration @ 28'.		
30		100		0.0	Caliche		MW2-30'	
34		100		0.0	Caliche		MW2-35'	
40		100		0.0	Caliche	Odor @ 40'	MW2-40'	

PREMIER

WELL NUMBER MW-2

PROJECT Delrose Scoot Hugh 205071.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 55 BOREHOLE DIA (in) 7 7/8 STICKUP (ft) --

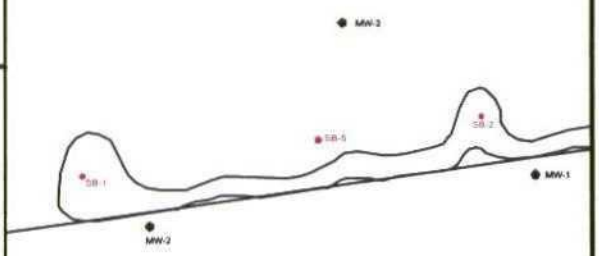
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.020

DRILLING CO. Straub DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 12/19/05

TOP OF CASING ELEV. (ft) 3388.38' GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
40						water @ 41' no odor		
42								
44		100		0.0	Caliche	Caliche, medium reddish brown, sandy, poorly indurated, wet, very fine to fine grained, fair sorting, subangular.	MW2-45'	
46								
48								
50						No Sample - water		
52								
54								
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								

PREMIER

WELL NUMBER MW-3

PROJECT Delrose Scoot Hugh 205071.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 55 BOREHOLE DIA (in) 7 7/8 STICKUP (ft) --

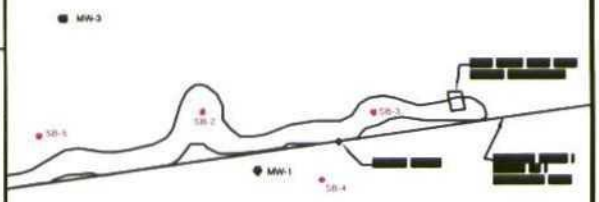
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.020

DRILLING CO. Straub DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 12/20/05

TOP OF CASING ELEV. (ft) 3388.62' GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
0					SC	Sand, medium reddish brown, loose, dry, very fine to fine grained, fair sorting, subrounded to 2'.		
4		100		0.0	Caliche	Caliche, silty/sandy, light reddish grey, poorly indurated, dry, very fine to fine grained, fair sorting, subangular.	MW3-5'	
10		100		0.0	Caliche		MW3-10'	
14		100		0.0	Caliche		MW3-15'	
18						red iron staining @ 18'		
20		100		0.0	Caliche		MW3-20'	
24		100		0.0	Caliche	Caliche, medium reddish brown, poorly indurated, dry, silty/sandy, very fine to fine grained, fair sorting, subangular.	MW3-25'	
26						light yellowish grey @ 27'		
30		100		0.0	Caliche	well indurated Caliche layers @ 30-37'	MW3-30'	
34		100		0.0	Caliche		MW3-35'	
40		100		0.0	Caliche		MW3-40'	

PREMIER

WELL NUMBER MW-3

PROJECT Delrose Scoot Hugh 205071.00 LOCATION Lea County, New Mexico

TOTAL WELL DEPTH 55 BOREHOLE DIA (in) 7 7/8 STICKUP (ft) --

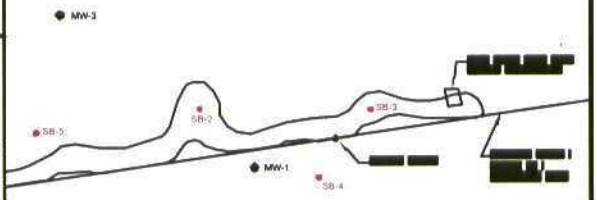
CASING DIA (in) 4 TYPE PVC SCREEN LENGTH 20 SLOT SIZE (in) 0.020

DRILLING CO. Straub DRILLING METHOD Air Rotary

GEOLOGIST Will Murley DATE DRILLED 12/20/05

TOP OF CASING ELEV. (ft) 3388.62' GROUND SURFACE ELV. (ft)

LOCATION MAP



DEPTH	INTERVAL	RECOVERY %	LOG	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION/COMMENTS	REMARKS	WELL CONSTRUCTION
40								
42						water @ 43' no odor		
44		100		0.0	Caliche	Caliche, clayey, gravelly, light reddish grey, poor to well indurated, wet, very fine to coarse grained, poorly sorted, subangular.	MW3-45'	
46								
48								
50						No Sample - water		
52								
54								
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								
78								
80								

Appendix B Tables

Table 1 – Site Ranking Matrix (in Section 3.1)
Table 2 – Soil Samples - Analytical Results
Table 3 – December 2005 - Groundwater Elevation and PSH Gauging Data
Table 4 – December 2005 - Groundwater Samples - Analytical Results

Table 2
Soil Analytical Results
Plains Marketing, L.P.
Plains EMS No. 2000-10807
Delrose Scott Hugh
Lea County, New Mexico

Location	Date Sampled	Interval	Laboratory Sample ID	GRO (C6-C10)	DRO (C10-C28)	Total TPH EPA 8015 m	Benzene	Toluene	Ethylbenzene	Total Xylene	Total BTEX EPA 8260b	Field OVM Reading
		feet bgs		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	ppm
NMOCD Remediation Goals						**100**	**10**				**50**	
SB 1	9/14/2005	10	T11458-1	2460	4300	**6760**	1.08	20.6	56.6	136	**214.280**	276
	9/14/2005	20	T11458-2	203	1170	**1373**	0.029	0.168	0.681	3.21	4.088	72
	9/14/2005	25	T11458-3	16.7	184	**200.7**	0.0053	0.0038	0.0392	0.123	0.171	26
SB 2	9/15/2005	20	T11458-4	5260	10300	**15560**	**40.3**	264	152	392	**848.300**	152
	9/15/2005	35	T11458-5	2070	4070	**6140**	5.91	102	33.8	28.6	**170.310**	145
	9/15/2005	40	T11458-6	57.3	373	**430.3**	0.0232	0.091	0.0839	0.577	0.775	17
SB 3	9/14/2005	15	T-11458-7	4.32	26.9	31.22	0.0031	<0.0062	0.0029	0.0061	0.012	6.2
SB 4	9/15/2005	15	T-11458-8	<6.6	<9.8	<9.8	0.0034	0.0053	0.0016	0.0086	0.019	2.4
SB 5	9/15/2005	15	T-11458-9	<5.6	<8.8	<8.8	<0.0053	<0.0053	<0.0053	0.016	0.016	0
MW-1	12/19/2005	20	MW1-20	9070	6650	**15720**	**18.9**	99.5	81.4	180	**379.8**	455
	12/19/2005	40	MW1-40	7380	2600	**9980**	2.19	20.9	15.2	76.9	**115.19**	487
	12/19/2005	45	MW1-45	344	354	**698**	0.225	1.23	2.42	6.58	10.455	154
MW-2	12/19/2005	30	MW2-30	<5	<5	<5	<0.020	<0.020	<0.020	<0.020	<0.020	0
	12/19/2005	40	MW2-40	<5	<5	<5	<0.020	<0.020	<0.020	<0.020	<0.020	0
	12/19/2005	45	MW2-45	214	<5	**214**	<0.020	<0.020	<0.020	<0.020	<0.020	0
MW-3	12/20/2005	5	MW3-5	<5	<5	<5	<0.020	<0.020	<0.020	<0.020	<0.020	0
	12/20/2005	40	MW3-40	<5	<5	<5	<0.020	<0.020	<0.020	<0.020	<0.020	0
	12/20/2005	45	MW3-45	<5	<5	<5	<0.020	<0.020	<0.020	<0.020	*<0.020*	0

BGS - Below Ground Surface DRO - Diesel Range Organics GRO - Gasoline Range Organics OVM - Organic Vapor Meter
Concentrations in bold exceed NMOCD Remedaition Goals

Table 3
2005 Groundwater Elevation and PSH Gauging Data
Plains Marketing L.P.
EMS No. 2000-10807
Delrose Scott Hugh
Lea County, New Mexico

Well No.	Date	TOC Elevation	Depth to PSH	Depth to Water	Depth of Well	PSH Thickness	Groundwater Elevation
MW-1	12/21/2005	3389.00	Sheen (46.22)	46.22	59.82		3342.78
	12/29/2005		Sheen (46.16)	46.16			
MW-2	12/21/2005	3388.28	ND	45.23	59.34		3343.05
	12/29/2005		ND	45.15			
MW-3	12/21/2005	3388.62	ND	45.57	59.69		3343.05
	12/29/2005		ND	45.52			

Table 4
2005 Groundwater Sample Analytical Results
Plains Marketing L.P.
EMS No. 2000-10807
Delrose Scott Hugh
Lea County, New Mexico

Well	Sample ID	Sampling Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	BTEX 8260b mg/L
NMOCD Remediation Criteria			**0.01**	**0.750**	**0.750**	**0.620**	
MW-1	T12186-1	12/21/2005	NS	NS	NS	NS	Sheen
MW-2	T12186-2	12/21/2005	<0.002	<0.002	<0.002	<0.006	<0.002
MW-3	T12186-3	12/21/2005	<0.002	<0.002	<0.002	<0.006	<0.002

Note: MW-1 not sampled due to presence of hydrocarbon sheen (NS)

Table 4
2005 Groundwater Sample Analytical Results
Plains Marketing L.P.
EMS No. 2000-10807
Delrose Scott Hugh
Lea County, New Mexico

Well	Sample ID	Sampling Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	BTEX 8260b mg/L
NMOCD Remediation Criteria			**0.01**	**0.750**	**0.750**	**0.620**	
MW-1	T12186-1	12/21/2005	NS	NS	NS	NS	Sheen
MW-2	T12186-2	12/21/2005	<0.002	<0.002	<0.002	<0.006	<0.002
MW-3	T12186-3	12/21/2005	<0.002	<0.002	<0.002	<0.006	<0.002

Note: MW-1 not sampled due to presence of hydrocarbon sheen (NS)

Appendix C Analytical Reports

Quality Assurance/Quality Control
Chain of Custody Documentation

September 2005 – Soil Samples - Analytical Results
December 2005 – Soil Samples - Analytical Results
December 2005 – Groundwater Samples - Analytical Results

PREMIER

Delrose Scott Hugh

September 2005 – Soil Samples – Analytical Results

e-Hardcopy 2.0
Automated Report

Gulf Coast
ACCUTEST.
Laboratories

10/24/05

Technical Report for

Premier Environmental Services

Delrose Scott Hughes/205071/2000-10807

Accutest Job Number: T11458

Sampling Dates: 09/14/05 - 09/15/05

Report to:

Premier Environmental Services

cpatel@premiercorp-usa.com

ATTN: Chan Patel

Total number of pages in report: 52

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Ron Martino
Laboratory Manager

Sections:

Table of Contents

-1-

Sample Summary

Premier Environmental Services

Job No: T11458

Delrose Scott Hughes/205071/2000-10807

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
T11458-1	09/14/05	15:09 WM	09/17/05	SO	Soil	SB1-10'
T11458-2	09/14/05	15:37 WM	09/17/05	SO	Soil	SB1-20'
T11458-3	09/14/05	15:52 WM	09/17/05	SO	Soil	SB1-25'
T11458-4	09/15/05	09:48 WM	09/17/05	SO	Soil	SB2-20'
T11458-5	09/15/05	10:34 WM	09/17/05	SO	Soil	SB2-35'
T11458-6	09/15/05	10:53 WM	09/17/05	SO	Soil	SB2-40'
T11458-7	09/15/05	11:58 WM	09/17/05	SO	Soil	SB3-15'
T11458-8	09/15/05	12:34 WM	09/17/05	SO	Soil	SB4-15'
T11458-9	09/15/05	13:10 WM	09/17/05	SO	Soil	SB5-15'
T11458-10	09/15/05	00:00 WM	09/17/05	AQ	Trip Blank Soil	TRIP BLK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	SB1-10'		
Lab Sample ID:	T11458-1	**Date Sampled:**	09/14/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8260B	**Percent Solids:**	83.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z18963.D	1	09/21/05	LJ	n/a	n/a	VZ995
Run #2	Z18964.D	10	09/21/05	LJ	n/a	n/a	VZ995

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2	5.04 g	5.0 ml	100 ul

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1080	350	97	ug/kg	
108-88-3	Toluene	20600 [a]	3500	880	ug/kg	
100-41-4	Ethylbenzene	56600 [a]	3500	880	ug/kg	
1330-20-7	Xylene (total)	136000 [a]	10000	2600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%	90%	75-137%
2037-26-5	Toluene-D8	90%	100%	88-147%
460-00-4	4-Bromofluorobenzene	159% [b]	111%	82-154%
17060-07-0	1,2-Dichloroethane-D4	101%	88%	62-135%

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB1-10'		
Lab Sample ID:	T11458-1	**Date Sampled:**	09/14/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015	**Percent Solids:**	83.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE021585.D	100	09/20/05	JH	n/a	n/a	GEE972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2460	700	350	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		56-139%
98-08-8	aaa-Trifluorotoluene	94%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB1-10'		
Lab Sample ID:	T11458-1	**Date Sampled:**	09/14/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC9817.D	20	09/28/05	FO	09/26/05	OP5019	GCC478
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	4300	2000	800	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		41-153%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB1-20'		
Lab Sample ID:	T11458-2	**Date Sampled:**	09/14/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8260B	**Percent Solids:**	85.9
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z18965.D	1	09/21/05	LJ	n/a	n/a	VZ995
Run #2							

	Initial Weight	Final Volume
Run #1	0.990 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	29	8.2	ug/kg	
108-88-3	Toluene	168	29	7.4	ug/kg	
100-41-4	Ethylbenzene	681	29	7.4	ug/kg	
1330-20-7	Xylene (total) [a]	3210	88	22	ug/kg	E

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		75-137%
2037-26-5	Toluene-D8	102%		88-147%
460-00-4	4-Bromofluorobenzene	145%		82-154%
17060-07-0	1,2-Dichloroethane-D4	84%		62-135%

(a) Estimated value, concentration exceeds linear calibration range by less than 10%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB1-20'		
Lab Sample ID:	T11458-2	**Date Sampled:**	09/14/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015	**Percent Solids:**	85.9
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE021586.D	10	09/20/05	JH	n/a	n/a	GEE972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.13 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	203	65	32	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	112%		56-139%
98-08-8	aaa-Trifluorotoluene	90%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB1-20'		
Lab Sample ID:	T11458-2	**Date Sampled:**	09/14/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.9
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC9818.D	50	09/28/05	FO	09/26/05	OP5019	GCC478
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1170	480	190	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		41-153%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB1-25'		
Lab Sample ID:	T11458-3	**Date Sampled:**	09/14/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8260B	**Percent Solids:**	92.9
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z18967.D	1	09/21/05	LJ	n/a	n/a	VZ995
Run #2							

	Initial Weight	Final Volume
Run #1	5.04 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.3	1.5	ug/kg	
108-88-3	Toluene	3.8	5.3	1.3	ug/kg	J
100-41-4	Ethylbenzene	39.2	5.3	1.3	ug/kg	
1330-20-7	Xylene (total)	123	16	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		75-137%
2037-26-5	Toluene-D8	99%		88-147%
460-00-4	4-Bromofluorobenzene	119%		82-154%
17060-07-0	1,2-Dichloroethane-D4	82%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB1-25'		
Lab Sample ID:	T11458-3	**Date Sampled:**	09/14/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015	**Percent Solids:**	92.9
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE021561.D	1	09/19/05	JH	n/a	n/a	GEE972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.16 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	16.7	5.6	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	120%		56-139%
98-08-8	aaa-Trifluorotoluene	91%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB1-25'		
Lab Sample ID:	T11458-3	**Date Sampled:**	09/14/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	92.9
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC9819.D	20	09/28/05	FO	09/26/05	OP5019	GCC478
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	184	180	72	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB2-20'		
Lab Sample ID:	T11458-4	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z18968.D	20	09/21/05	LJ	n/a	n/a	VZ995
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	40300	7000	1900	ug/kg	
108-88-3	Toluene	264000	7000	1800	ug/kg	
100-41-4	Ethylbenzene	152000	7000	1800	ug/kg	
1330-20-7	Xylene (total)	392000	21000	5300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		75-137%
2037-26-5	Toluene-D8	99%		88-147%
460-00-4	4-Bromofluorobenzene	112%		82-154%
17060-07-0	1,2-Dichloroethane-D4	88%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB2-20'		
Lab Sample ID:	T11458-4	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015	**Percent Solids:**	83.4
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE021588.D	100	09/20/05	JH	n/a	n/a	GEE972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.16 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5260	680	340	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	122%		56-139%
98-08-8	aaa-Trifluorotoluene	111%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB2-20'		
Lab Sample ID:	T11458-4	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.4
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC9820.D	20	09/28/05	FO	09/26/05	OP5019	GCC478
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	10300	2000	800	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		41-153%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB2-35'		
Lab Sample ID:	T11458-5	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8260B	**Percent Solids:**	78.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z18969.D	5	09/21/05	LJ	n/a	n/a	VZ995
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	5910	1900	540	ug/kg	
108-88-3	Toluene	33800	1900	490	ug/kg	
100-41-4	Ethylbenzene	28600	1900	490	ug/kg	
1330-20-7	Xylene (total)	102000	5800	1500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		75-137%
2037-26-5	Toluene-D8	100%		88-147%
460-00-4	4-Bromofluorobenzene	111%		82-154%
17060-07-0	1,2-Dichloroethane-D4	86%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB2-35'		
Lab Sample ID:	T11458-5	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015	**Percent Solids:**	78.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE021589.D	100	09/20/05	JH	n/a	n/a	GEE972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2070	780	390	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-139%
98-08-8	aaa-Trifluorotoluene	98%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB2-35'		
Lab Sample ID:	T11458-5	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC9821.D	20	09/28/05	FO	09/26/05	OP5019	GCC478
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	4070	2100	850	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		41-153%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB2-40'		
Lab Sample ID:	T11458-6	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8260B	**Percent Solids:**	85.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B116554.D	1	09/26/05	LJ	n/a	n/a	VB1103
Run #2	Z18970.D	1	09/21/05	LJ	n/a	n/a	VZ995

	Initial Weight	Final Volume
Run #1	5.16 g	5.0 ml
Run #2	0.990 g	5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	23.2	5.7	1.6	ug/kg	
108-88-3	Toluene	91.0	5.7	1.4	ug/kg	
100-41-4	Ethylbenzene	83.9	5.7	1.4	ug/kg	
1330-20-7	Xylene (total)	577 [a]	89	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	74% [b]	85%	75-137%
2037-26-5	Toluene-D8	100%	101%	88-147%
460-00-4	4-Bromofluorobenzene	152%	115%	82-154%
17060-07-0	1,2-Dichloroethane-D4	63%	81%	62-135%

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB2-40'		
Lab Sample ID:	T11458-6	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015	**Percent Solids:**	85.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE021605.D	2	09/20/05	JH	n/a	n/a	GEE972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	57.3	13	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	124%		56-139%
98-08-8	aaa-Trifluorotoluene	92%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB2-40'		
Lab Sample ID:	T11458-6	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC9822.D	20	09/28/05	FO	09/26/05	OP5019	GCC478
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	373	190	78	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	108%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB3-15'		
Lab Sample ID:	T11458-7	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8260B	**Percent Solids:**	79.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z18972.D	1	09/21/05	LJ	n/a	n/a	VZ995
Run #2							

	Initial Weight	Final Volume
Run #1	5.13 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.1	6.2	1.7	ug/kg	J
108-88-3	Toluene	ND	6.2	1.6	ug/kg	
100-41-4	Ethylbenzene	2.9	6.2	1.6	ug/kg	J
1330-20-7	Xylene (total)	6.1	18	4.7	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		75-137%
2037-26-5	Toluene-D8	103%		88-147%
460-00-4	4-Bromofluorobenzene	118%		82-154%
17060-07-0	1,2-Dichloroethane-D4	81%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB3-15'		
Lab Sample ID:	T11458-7	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015	**Percent Solids:**	79.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE021565.D	1	09/19/05	JH	n/a	n/a	GEE972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.32	7.6	3.8	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-139%
98-08-8	aaa-Trifluorotoluene	86%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB3-15'		
Lab Sample ID:	T11458-7	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.2
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC9825.D	1	09/28/05	FO	09/26/05	OP5019	GCC478
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	26.9	10	4.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	55%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB4-15'		
Lab Sample ID:	T11458-8	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8260B	**Percent Solids:**	85.0
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z18973.D	1	09/21/05	LJ	n/a	n/a	VZ995
Run #2							

	Initial Weight	Final Volume
Run #1	5.06 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.4	5.8	1.6	ug/kg	J
108-88-3	Toluene	5.3	5.8	1.5	ug/kg	J
100-41-4	Ethylbenzene	1.6	5.8	1.5	ug/kg	J
1330-20-7	Xylene (total)	8.6	17	4.4	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		75-137%
2037-26-5	Toluene-D8	107%		88-147%
460-00-4	4-Bromofluorobenzene	118%		82-154%
17060-07-0	1,2-Dichloroethane-D4	79%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB4-15'		
Lab Sample ID:	T11458-8	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015	**Percent Solids:**	85.0
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE021594.D	1	09/20/05	JH	n/a	n/a	GEE972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.11 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	58%		56-139%
98-08-8	aaa-Trifluorotoluene	86%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB4-15'		
Lab Sample ID:	T11458-8	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.0
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC9826.D	1	09/28/05	FO	09/26/05	OP5019	GCC478
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.8	3.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	42%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB5-15'		
Lab Sample ID:	T11458-9	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8260B	**Percent Solids:**	94.0
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z18974.D	1	09/21/05	LJ	n/a	n/a	VZ995
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.3	1.5	ug/kg	
108-88-3	Toluene	ND	5.3	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.3	ug/kg	
1330-20-7	Xylene (total)	ND	16	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		75-137%
2037-26-5	Toluene-D8	109%		88-147%
460-00-4	4-Bromofluorobenzene	119%		82-154%
17060-07-0	1,2-Dichloroethane-D4	81%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB5-15'		
Lab Sample ID:	T11458-9	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015	**Percent Solids:**	94.0
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE021569.D	1	09/19/05	JH	n/a	n/a	GEE972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.6	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	48% [a]		56-139%
98-08-8	aaa-Trifluorotoluene	69%		46-136%

(a) Confirmed by MS/MSD.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB5-15'		
Lab Sample ID:	T11458-9	**Date Sampled:**	09/15/05
Matrix:	SO - Soil	**Date Received:**	09/17/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	94.0
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC9827.D	1	09/28/05	FO	09/26/05	OP5019	GCC478
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.8	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLK		
Lab Sample ID:	T11458-10	**Date Sampled:**	09/15/05
Matrix:	AQ - Trip Blank Soil	**Date Received:**	09/17/05
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK08676.D	1	09/21/05	JH	n/a	n/a	GKK656
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.38	ug/l	
108-88-3	Toluene	ND	1.0	0.36	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.35	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	115%		56-136%
98-08-8	aaa-Trifluorotoluene	111%		50-144%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #:

Accutest Quote #: | Accutest Job #: T11458

Client / Reporting Information

Company Name: Premier Environmental Services

Project Contact: Chan Patel | E-Mail: CPATEL@PREMIERENV-USA.COM

Address: 4800 Sugar Grove Boulevard, Suite 420

City: Stafford | State: TX | Zip: 77477

Phone No.: 281-240-6200 | Fax No.:

Samplers Name: Will Mulley

Project Information

Project Name / No.: Delrose Scott Hughes/205071/2000-10807

Bill to: | Invoice Attn.:

Address:

City: | State: | Zip:

Phone No.: | Fax No.:

Client Purchase Order #:

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Wastewater
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
SOL - Other Solid

Requested Analyses

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Number of preserved bottles: HCl	Methanol	H2SO4	NaOH	ZnOAc	NaHSO4	MEOH	NONE	BTEX	TPH - GRO	TPH - DRO	LAB USE ONLY
1	SB1 - 10'	9/14/05	1509	Soil	1								✓	✓	✓	✓	
2	SB1 - 20'	9/14/05	1537	Soil	1								✓	✓	✓	✓	
3	SB1 - 25'	9/14/05	1552	Soil	1								✓	✓	✓	✓	
4	SB2 - 20'	9/15/05	0948	So	1								✓	✓	✓	✓	
5	SB2 - 35'	9/15/05	1034	So	1								✓	✓	✓	✓	
6	SB2 - 40'	9/15/05	1053	So	1								✓	✓	✓	✓	
7	SB3 - 15'	9/15/05	1158	So	1								✓	✓	✓	✓	
8	SB4 - 15'	9/15/05	1230	So	1								✓	✓	✓	✓	
9	SB5 - 15'	9/15/05	1310	So	1								✓	✓	✓	✓	
10	Trip Blk			TB	2	X											

Turnaround Time (Business days)

- [X] 10 Day *STANDARD* — Approved By:/ Date:
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*
- [ ] Other

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only

Commercial "B" = Results & Standard QC

Comments / Remarks

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Will Mulley	9/14/05 1500	Bradley Nguyen 9/17/05 930	2		2
3			3	4		4
5			5	Custody Seal #	Preserved where applicable ☐	On Ice ☒ Cooler Temp. 3.0C

T11458: Chain of Custody
Page 1 of 2

ACCUTEST. SAMPLE RECEIPT LOG

JOB #: T11458 DATE/TIME RECEIVED: 9/17/05 930

CLIENT: Premier Env. Services INITIALS: BN

Condition/Variance (Circle "Y" for yes and "N" for no or NA. If "N" is circled, see variance for explanation):

1. (Y) N Sample received in undamaged condition.
2. (Y) N Samples received within temp. range.
3. Y (NA) Sample received with proper pH.
4. (Y) N Sample received in proper containers.
5. (Y) N Sample volume sufficient for analysis.
6. (Y) N Sample received with chain of custody.
7. (Y) N Chain of Custody matches **sample IDs and analysis** on containers.
8. (Y) N NA Custody seal received intact and tamper not evident on cooler.
9. (Y) N NA Custody seal received intact and tamper not evident on bottles.

SAMPLE or FIELD ID	BOTTLE #	DATE SAMPLED	MATRIX	VOLUME	LOCATION	PRESERV.	PH
1-9	1	9/14, 9/15	SO	8oz	VREF	(1),2,3,4,5,6	(U), <2, >12, NA
10	1-2	—	TB	40ml	↓	1,(2),3,4,5,6	(U), <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA

Bradley [illegible] 9/17/05

LOCATION: WI: Walk-In VR: Volatile Refrig. SUB: Subcontract EF: Encore Freezer

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: Other

Comments: ________

pH of waters checked excluding volatiles

pH of soils N/A

Delivery method: Courier: Fed EX COOLER TEMP: 3.0C COOLER TEMP: ____

Tracking#: ____ COOLER TE[illegible]: [illegible]R TEMP: ____

Method of sample disposal: (circle one) Accutest disposal Hold Return

[illegible]14/04, QAO

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ995-MB	Z18960.D	1	09/21/05	LJ	n/a	n/a	VZ995

The QC reported here applies to the following samples: **Method:** SW846 8260B

T11458-1, T11458-2, T11458-3, T11458-4, T11458-5, T11458-6, T11458-7, T11458-8, T11458-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.3	ug/kg	
108-88-3	Toluene	ND	5.0	1.3	ug/kg	
1330-20-7	Xylene (total)	ND	15	3.8	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	91%	75-137%
2037-26-5	Toluene-D8	110%	88-147%
460-00-4	4-Bromofluorobenzene	122%	82-154%
17060-07-0	1,2-Dichloroethane-D4	91%	62-135%

Method Blank Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1103-MB	B116548.D	1	09/26/05	LJ	n/a	n/a	VB1103

The QC reported here applies to the following samples: **Method:** SW846 8260B

T11458-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.3	ug/kg	
108-88-3	Toluene	ND	5.0	1.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	85%	75-137%
2037-26-5	Toluene-D8	105%	88-147%
460-00-4	4-Bromofluorobenzene	121%	82-154%
17060-07-0	1,2-Dichloroethane-D4	73%	62-135%

Blank Spike Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ995-BS	Z18958.D	1	09/21/05	LJ	n/a	n/a	VZ995

The QC reported here applies to the following samples: **Method:** SW846 8260B

T11458-1, T11458-2, T11458-3, T11458-4, T11458-5, T11458-6, T11458-7, T11458-8, T11458-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	49.5	99	64-136
100-41-4	Ethylbenzene	50	50.5	101	71-135
108-88-3	Toluene	50	49.7	99	70-136
1330-20-7	Xylene (total)	150	155	103	74-135

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	75-137%
2037-26-5	Toluene-D8	102%	88-147%
460-00-4	4-Bromofluorobenzene	105%	82-154%
17060-07-0	1,2-Dichloroethane-D4	94%	62-135%

Blank Spike Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1103-BS	B116547.D	1	09/26/05	LJ	n/a	n/a	VB1103

The QC reported here applies to the following samples: **Method:** SW846 8260B

T11458-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	49.7	99	64-136
100-41-4	Ethylbenzene	50	52.4	105	71-135
108-88-3	Toluene	50	52.0	104	70-136

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	84%	75-137%
2037-26-5	Toluene-D8	98%	88-147%
460-00-4	4-Bromofluorobenzene	109%	82-154%
17060-07-0	1,2-Dichloroethane-D4	70%	62-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T11458-9MS	Z18975.D	1	09/21/05	LJ	n/a	n/a	VZ995
T11458-9MSD	Z18976.D	1	09/21/05	LJ	n/a	n/a	VZ995
T11458-9	Z18974.D	1	09/21/05	LJ	n/a	n/a	VZ995

The QC reported here applies to the following samples: **Method:** SW846 8260B

T11458-1, T11458-2, T11458-3, T11458-4, T11458-5, T11458-6, T11458-7, T11458-8, T11458-9

CAS No.	Compound	T11458-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		52.9	48.1	91	47.7	89	1	50-125/26
100-41-4	Ethylbenzene	ND		52.9	48.4	92	48.5	91	0	46-129/25
108-88-3	Toluene	ND		52.9	47.0	89	47.4	89	1	51-127/24
1330-20-7	Xylene (total)	ND		159	145	91	148	93	2	48-130/25

CAS No.	Surrogate Recoveries	MS	MSD	T11458-9	Limits
1868-53-7	Dibromofluoromethane	89%	88%	86%	75-137%
2037-26-5	Toluene-D8	101%	102%	109%	88-147%
460-00-4	4-Bromofluorobenzene	111%	113%	119%	82-154%
17060-07-0	1,2-Dichloroethane-D4	90%	90%	81%	62-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T11460-2MS	B116561.D	1	09/26/05	LJ	n/a	n/a	VB1103
T11460-2MSD	B116562.D	1	09/26/05	LJ	n/a	n/a	VB1103
T11460-2	B116560.D	1	09/26/05	LJ	n/a	n/a	VB1103

The QC reported here applies to the following samples: **Method:** SW846 8260B

T11458-6

CAS No.	Compound	T11460-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		56.1	27.3	49*	27.6	49*	1	50-125/26
100-41-4	Ethylbenzene	ND		56.1	29.6	53	29.6	52	0	46-129/25
108-88-3	Toluene	ND		56.1	33.6	60	32.4	57	4	51-127/24

CAS No.	Surrogate Recoveries	MS	MSD	T11460-2	Limits
1868-53-7	Dibromofluoromethane	85%	84%	82%	75-137%
2037-26-5	Toluene-D8	112%	107%	107%	88-147%
460-00-4	4-Bromofluorobenzene	127%	121%	130%	82-154%
17060-07-0	1,2-Dichloroethane-D4	86%	79%	72%	62-135%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEE972-MB	EE021558.D	1	09/19/05	JH	n/a	n/a	GEE972

The QC reported here applies to the following samples: **Method:** SW846 8015

T11458-1, T11458-2, T11458-3, T11458-4, T11458-5, T11458-6, T11458-7, T11458-8, T11458-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	106%	56-139%
98-08-8	aaa-Trifluorotoluene	99%	46-136%

Method Blank Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK656-MB	KK08674.D	1	09/21/05	JH	n/a	n/a	GKK656

The QC reported here applies to the following samples: **Method:** SW846 8021B

T11458-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.38	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.36	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.72	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	111%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	50-144%

Blank Spike Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEE972-BS	EE021557.D	1	09/19/05	JH	n/a	n/a	GEE972

The QC reported here applies to the following samples: **Method:** SW846 8015

T11458-1, T11458-2, T11458-3, T11458-4, T11458-5, T11458-6, T11458-7, T11458-8, T11458-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.8	89	70-119

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	56-139%
98-08-8	aaa-Trifluorotoluene	101%	46-136%

Blank Spike Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK656-BS	KK08675.D	1	09/21/05	JH	n/a	n/a	GKK656

The QC reported here applies to the following samples: **Method:** SW846 8021B

T11458-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	18.8	94	72-125
100-41-4	Ethylbenzene	20	20.2	101	76-125
108-88-3	Toluene	20	19.1	96	74-125
1330-20-7	Xylenes (total)	60	59.9	100	78-124

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	120%	56-136%
98-08-8	aaa-Trifluorotoluene	104%	50-144%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T11458-9MS	EE021570.D	1	09/19/05	JH	n/a	n/a	GEE972
T11458-9MSD	EE021571.D	1	09/19/05	JH	n/a	n/a	GEE972
T11458-9	EE021569.D	1	09/19/05	JH	n/a	n/a	GEE972

The QC reported here applies to the following samples: **Method:** SW846 8015

T11458-1, T11458-2, T11458-3, T11458-4, T11458-5, T11458-6, T11458-7, T11458-8, T11458-9

CAS No.	Compound	T11458-9 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22.3	17.5	78	16.8	75	4	66-122/21

CAS No.	Surrogate Recoveries	MS	MSD	T11458-9	Limits
460-00-4	4-Bromofluorobenzene	97%	80%	48%* [a]	56-139%
98-08-8	aaa-Trifluorotoluene	97%	94%	69%	46-136%

(a) Confirmed by MS/MSD.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T11470-3MS	KK08683.D	5	09/21/05	JH	n/a	n/a	GKK656
T11470-3MSD	KK08684.D	5	09/21/05	JH	n/a	n/a	GKK656
T11470-3	KK08681.D	1	09/21/05	JH	n/a	n/a	GKK656
T11470-3	KK08682.D	5	09/21/05	JH	n/a	n/a	GKK656

The QC reported here applies to the following samples: **Method:** SW846 8021B

T11458-10

CAS No.	Compound	T11470-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	126		100	201	75	196	70	3	45-137/21
100-41-4	Ethylbenzene	9.5		100	99.4	90	96.9	87	3	68-126/15
108-88-3	Toluene	ND		100	86.1	86	84.4	84	2	63-130/22
1330-20-7	Xylenes (total)	231		300	489	86	478	82	2	72-125/19

CAS No.	Surrogate Recoveries	MS	MSD	T11470-3	T11470-3	Limits
460-00-4	4-Bromofluorobenzene	115%	113%	126% [a]	112%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	93%	96% [a]	78%	50-144%

(a) %Recovery adjusted for double surrogate spike.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5019-MB	CC9813.D	1	09/28/05	FO	09/26/05	OP5019	GCC478

The QC reported here applies to the following samples: **Method:** SW846 8015 M

T11458-1, T11458-2, T11458-3, T11458-4, T11458-5, T11458-6, T11458-7, T11458-8, T11458-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.3	3.3	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	77%	41-153%

Blank Spike Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5019-BS	CC9814.D	1	09/28/05	FO	09/26/05	OP5019	GCC478

The QC reported here applies to the following samples: **Method:** SW846 8015 M

T11458-1, T11458-2, T11458-3, T11458-4, T11458-5, T11458-6, T11458-7, T11458-8, T11458-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C28)	33.3	30.9	93	55-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	76%	41-153%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T11458
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5019-MS	CC9815.D	50	09/28/05	FO	09/26/05	OP5019	GCC478
OP5019-MSD	CC9816.D	50	09/28/05	FO	09/26/05	OP5019	GCC478
T11458-2	CC9818.D	50	09/28/05	FO	09/26/05	OP5019	GCC478

The QC reported here applies to the following samples: **Method:** SW846 8015 M

T11458-1, T11458-2, T11458-3, T11458-4, T11458-5, T11458-6, T11458-7, T11458-8, T11458-9

CAS No.	Compound	T11458-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1170		38.7	1680	1316* [a]	1680	1317* [a]	0	49-139/24

CAS No.	Surrogate Recoveries	MS	MSD	T11458-2	Limits
84-15-1	o-Terphenyl	0%* [b]	0%* [b]	0%* [b]	41-153%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Outside control limits due to dilution.

Delrose Scott Hugh

December 2005 – Soil Samples – Analytical Results

e-Hardcopy 2.0
Automated Report

Gulf Coast
ACCUTEST
Laboratories

12/30/05

Technical Report for

Premier Environmental Services

Delrose Scott Hughes/205071/2000-10807

Accutest Job Number: T12176

Sampling Dates: 12/19/05 - 12/20/05

Report to:

Premier Environmental Services

cpatel@premiercorp-usa.com

ATTN: Chan Patel

Total number of pages in report: **52**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Ron Martino
Laboratory Manager

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Accutest Laboratories

Sample Summary

Premier Environmental Services

Job No: T12176

Delrose Scott Hughes/205071/2000-10807

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
T12176-1	12/19/05	11:01	WM	12/21/05	SO	Soil	MW1-20'
T12176-2	12/19/05	11:40	WM	12/21/05	SO	Soil	MW1-40'
T12176-3	12/19/05	11:56	WM	12/21/05	SO	Soil	MW1-45'
T12176-4	12/19/05	16:06	WM	12/21/05	SO	Soil	MW2-30'
T12176-5	12/19/05	16:24	WM	12/21/05	SO	Soil	MW2-40'
T12176-6	12/19/05	16:38	WM	12/21/05	SO	Soil	MW2-45'
T12176-7	12/20/05	08:47	WM	12/21/05	SO	Soil	MW3-5'
T12176-8	12/20/05	09:53	WM	12/21/05	SO	Soil	MW3-40'
T12176-9	12/20/05	10:06	WM	12/21/05	SO	Soil	MW3-45'
T12176-10	12/19/05	00:00	WM	12/21/05	AQ	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1-20'		
Lab Sample ID:	T12176-1	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8260B	**Percent Solids:**	90.7
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z20600.D	10	12/23/05	RR	n/a	n/a	VZ1079
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.12 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	18900	2900	820	ug/kg	
108-88-3	Toluene	99500	2900	740	ug/kg	
100-41-4	Ethylbenzene	81400	2900	740	ug/kg	
1330-20-7	Xylene (total)	180000	8800	2200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		75-137%
2037-26-5	Toluene-D8	95%		88-147%
460-00-4	4-Bromofluorobenzene	92%		82-154%
17060-07-0	1,2-Dichloroethane-D4	79%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1-20'		
Lab Sample ID:	T12176-1	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015	**Percent Solids:**	90.7
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE023317.D	100	12/29/05	JH	n/a	n/a	GEE1035
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.12 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	6650	590	290	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	133%		56-139%
98-08-8	aaa-Trifluorotoluene	120%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1-20'		
Lab Sample ID:	T12176-1	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	90.7
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC10811.D	200	12/28/05	RC	12/27/05	OP5356	GCC512
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	9070	1800	730	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		41-153%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1-40'		
Lab Sample ID:	T12176-2	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8260B	**Percent Solids:**	83.8
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B117794.D	1	12/22/05	LJ	n/a	n/a	VB1179
Run #2	Z20599.D	2	12/23/05	RR	n/a	n/a	VZ1079

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.08 g	5.0 ml	100 ul
Run #2	5.08 g	5.0 ml	100 ul

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2190	340	95	ug/kg	
108-88-3	Toluene	20900 [a]	680	170	ug/kg	
100-41-4	Ethylbenzene	15200 [a]	680	170	ug/kg	
1330-20-7	Xylene (total)	76900 [a]	2100	520	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	90%	75-137%
2037-26-5	Toluene-D8	60% [b]	92%	88-147%
460-00-4	4-Bromofluorobenzene	102%	98%	82-154%
17060-07-0	1,2-Dichloroethane-D4	89%	84%	62-135%

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1-40'		
Lab Sample ID:	T12176-2	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015	**Percent Solids:**	83.8
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE023318.D	2	12/29/05	JH	n/a	n/a	GEE1035
Run #2	EE023319.D	20	12/29/05	JH	n/a	n/a	GEE1035

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.08 g	5.0 ml	100 ul
Run #2	5.08 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2600 [a]	140	68	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	633% [b]	158% [b]	56-139%
98-08-8	aaa-Trifluorotoluene	361% [b]	121%	46-136%

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1-40'		
Lab Sample ID:	T12176-2	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.8
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC10812.D	200	12/28/05	RC	12/27/05	OP5356	GCC512
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	7380	2000	790	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		41-153%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1-45'		
Lab Sample ID:	T12176-3	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8260B	**Percent Solids:**	82.9
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B117793.D	1	12/22/05	LJ	n/a	n/a	VB1179
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.19 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	225	340	95	ug/kg	J
108-88-3	Toluene	1230	340	86	ug/kg	
100-41-4	Ethylbenzene	2420	340	86	ug/kg	
1330-20-7	Xylene (total)	6580	1000	260	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		75-137%
2037-26-5	Toluene-D8	100%		88-147%
460-00-4	4-Bromofluorobenzene	101%		82-154%
17060-07-0	1,2-Dichloroethane-D4	92%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1-45'		
Lab Sample ID:	T12176-3	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015	**Percent Solids:**	82.9
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE023321.D	20	12/29/05	JH	n/a	n/a	GEE1035
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.19 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	354	140	68	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		56-139%
98-08-8	aaa-Trifluorotoluene	93%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1-45'		
Lab Sample ID:	T12176-3	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.9
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC10823.D	10	12/28/05	RC	12/27/05	OP5356	GCC512
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	344	100	40	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	114%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2-30'		
Lab Sample ID:	T12176-4	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8260B	**Percent Solids:**	88.7
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B117792.D	1	12/22/05	LJ	n/a	n/a	VB1179
Run #2							

	Initial Weight	Final Volume
Run #1	5.16 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.5	1.5	ug/kg	
108-88-3	Toluene	ND	5.5	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.4	ug/kg	
1330-20-7	Xylene (total)	ND	16	4.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		75-137%
2037-26-5	Toluene-D8	110%		88-147%
460-00-4	4-Bromofluorobenzene	111%		82-154%
17060-07-0	1,2-Dichloroethane-D4	92%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2-30'		
Lab Sample ID:	T12176-4	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015	**Percent Solids:**	88.7
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE023305.D	1	12/28/05	JH	n/a	n/a	GEE1035
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.3	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		56-139%
98-08-8	aaa-Trifluorotoluene	91%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2-30'		
Lab Sample ID:	T12176-4	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.7
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC10815.D	1	12/28/05	RC	12/27/05	OP5356	GCC512
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2-40'		
Lab Sample ID:	T12176-5	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8260B	**Percent Solids:**	73.3
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B117787.D	1	12/22/05	LJ	n/a	n/a	VB1179
Run #2							

	Initial Weight	Final Volume
Run #1	5.26 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	6.5	1.8	ug/kg	
108-88-3	Toluene	ND	6.5	1.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	1.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		75-137%
2037-26-5	Toluene-D8	101%		88-147%
460-00-4	4-Bromofluorobenzene	97%		82-154%
17060-07-0	1,2-Dichloroethane-D4	90%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2-40'		
Lab Sample ID:	T12176-5	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015	**Percent Solids:**	73.3
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE023306.D	1	12/28/05	JH	n/a	n/a	GEE1035
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	8.6	4.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		56-139%
98-08-8	aaa-Trifluorotoluene	90%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2-40'		
Lab Sample ID:	T12176-5	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	73.3
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC10816.D	1	12/28/05	RC	12/27/05	OP5356	GCC512
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	11	4.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2-45'		
Lab Sample ID:	T12176-6	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8260B	**Percent Solids:**	75.6
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z20602.D	1	12/23/05	RR	n/a	n/a	VZ1079
Run #2							

	Initial Weight	Final Volume
Run #1	5.06 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	6.5	1.8	ug/kg	
108-88-3	Toluene	ND	6.5	1.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	1.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		75-137%
2037-26-5	Toluene-D8	103%		88-147%
460-00-4	4-Bromofluorobenzene	95%		82-154%
17060-07-0	1,2-Dichloroethane-D4	67%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2-45'		
Lab Sample ID:	T12176-6	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015	**Percent Solids:**	75.6
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE023307.D	1	12/28/05	JH	n/a	n/a	GEE1035
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.07 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	8.1	4.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		56-139%
98-08-8	aaa-Trifluorotoluene	93%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2-45'		
Lab Sample ID:	T12176-6	**Date Sampled:**	12/19/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	75.6
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC10824.D	5	12/28/05	RC	12/27/05	OP5356	GCC512
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	214	55	22	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3-5'		
Lab Sample ID:	T12176-7	**Date Sampled:**	12/20/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8260B	**Percent Solids:**	85.1
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z20603.D	1	12/23/05	RR	n/a	n/a	VZ1079
Run #2							

	Initial Weight	Final Volume
Run #1	5.10 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.8	1.6	ug/kg	
108-88-3	Toluene	ND	5.8	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.5	ug/kg	
1330-20-7	Xylene (total)	ND	17	4.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		75-137%
2037-26-5	Toluene-D8	106%		88-147%
460-00-4	4-Bromofluorobenzene	103%		82-154%
17060-07-0	1,2-Dichloroethane-D4	70%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3-5'		
Lab Sample ID:	T12176-7	**Date Sampled:**	12/20/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015	**Percent Solids:**	85.1
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE023308.D	1	12/28/05	JH	n/a	n/a	GEE1035
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.16 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-139%
98-08-8	aaa-Trifluorotoluene	86%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3-5'		
Lab Sample ID:	T12176-7	**Date Sampled:**	12/20/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.1
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC10818.D	1	12/28/05	RC	12/27/05	OP5356	GCC512
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.8	3.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	48%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3-40'		
Lab Sample ID:	T12176-8	**Date Sampled:**	12/20/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8260B	**Percent Solids:**	85.7
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z20604.D	1	12/23/05	RR	n/a	n/a	VZ1079
Run #2							

	Initial Weight	Final Volume
Run #1	5.20 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.6	1.6	ug/kg	
108-88-3	Toluene	ND	5.6	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.4	ug/kg	
1330-20-7	Xylene (total)	ND	17	4.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		75-137%
2037-26-5	Toluene-D8	104%		88-147%
460-00-4	4-Bromofluorobenzene	103%		82-154%
17060-07-0	1,2-Dichloroethane-D4	75%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3-40'		
Lab Sample ID:	T12176-8	**Date Sampled:**	12/20/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015	**Percent Solids:**	85.7
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE023309.D	1	12/28/05	JH	n/a	n/a	GEE1035
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	74%		56-139%
98-08-8	aaa-Trifluorotoluene	79%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3-40'		
Lab Sample ID:	T12176-8	**Date Sampled:**	12/20/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.7
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC10819.D	1	12/28/05	RC	12/27/05	OP5356	GCC512
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.7	3.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3-45'		
Lab Sample ID:	T12176-9	**Date Sampled:**	12/20/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8260B	**Percent Solids:**	80.8
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B117791.D	1	12/22/05	LJ	n/a	n/a	VB1179
Run #2							

	Initial Weight	Final Volume
Run #1	5.26 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.9	1.6	ug/kg	
108-88-3	Toluene	ND	5.9	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.5	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		75-137%
2037-26-5	Toluene-D8	113%		88-147%
460-00-4	4-Bromofluorobenzene	113%		82-154%
17060-07-0	1,2-Dichloroethane-D4	85%		62-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3-45'		
Lab Sample ID:	T12176-9	**Date Sampled:**	12/20/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015	**Percent Solids:**	80.8
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE023310.D	1	12/28/05	JH	n/a	n/a	GEE1035
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.12 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.2	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		56-139%
98-08-8	aaa-Trifluorotoluene	80%		46-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3-45'		
Lab Sample ID:	T12176-9	**Date Sampled:**	12/20/05
Matrix:	SO - Soil	**Date Received:**	12/21/05
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.8
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC10820.D	1	12/28/05	RC	12/27/05	OP5356	GCC512
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	4.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		41-153%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T12176-10	**Date Sampled:**	12/19/05
Matrix:	AQ - Trip Blank Soil	**Date Received:**	12/21/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0068862.D	1	12/23/05	RR	n/a	n/a	VF1734
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.47	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		73-139%
17060-07-0	1,2-Dichloroethane-D4	103%		66-139%
2037-26-5	Toluene-D8	104%		77-148%
460-00-4	4-Bromofluorobenzene	112%		84-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: T12176

Client / Reporting Information

Company Name: Premier Environmental Services
Project Contact: Will Murley | E-Mail:
Address: 30 West Industrial Loop, Suite I
City: Midland, TX 79701 | State: | Zip:
Phone No.: 432-230-1414 | Fax No.:
Samplers's Name: Will Murley

Project Information

Project Name / No.: Delrose Scott Hughes/205071/2000-10807
Bill to: PLAINS | Invoice Attn.:
Address:
City: | State: | Zip:
Phone No.: | Fax No.:
Client Purchase Order #:

Requested Analyses

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Wastewater
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
SOL - Other Solid

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Number of preserved bottles: HCl	Methanol	DI Water	H2SO4	EnCore	Sodium Bisulfate	NaOH	None	BTEX	TPH	LAB USE ONLY
1	MW1 - 20'	12/19/05	1101	SO	1								✓	✓	✓	
2	MW1 - 40'	12/19/05	1140		1								✓	✓	✓	
3	MW1 - 45'	12/19/05	1156		1								✓	✓	✓	
4	MW2 - 30'	12/19/05	1606		1								✓	✓	✓	
5	MW2 - 40'	12/19/05	1624		1								✓	✓	✓	
6	MW2 - 45'	12/19/05	1638		1								✓	✓	✓	
7	MW3 - 5'	12/20/05	0947		1								✓	✓	✓	
8	MW3 - 40'	12/20/05	0953		1								✓	✓	✓	
9	MW3 - 45'	12/20/05	1006	↓	1								✓	✓	✓	
10	1-b. QK 12-21-05															

Turnaround Time (Business days)

- [X] 10 Day STANDARD
- [ ] 5 Day RUSH
- [ ] 4 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] Other

Approved By:/ Date:

Data Deliverable Information

- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] State Forms
- [ ] EDD Format
- [ ] TRRP

Commercial "A" = Results Only
Commercial "B" = Results & Standard QC

Comments / Remarks

Real time analytical data available via Lablink

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	William K. Murley	12-20-05 1430	1	2		2
	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3			3	4		4
	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp
5		12/21/05 12:05	A. Rocha		☐	2 2.0

ACCUTEST.

SAMPLE RECEIPT LOG

JOB #: T12176 DATE/TIME RECEIVED: 12/21/05/ 12:03

CLIENT: Premier Env. INITIALS: AR

Condition/Variance (Circle "Y" for yes and "N" for no or NA. If "N" is circled, see variance for explanation):

1. (Y) N Sample received in undamaged condition.
2. (Y) N Samples received within temp. range.
3. Y (NA) Sample received with proper pH.
4. (Y) N Sample received in proper containers.
5. (Y) N Sample volume sufficient for analysis.
6. (Y) N Sample received with chain of custody.
7. (Y) N Chain of Custody matches **sample IDs and analysis** on containers.
8. (Y) N NA Custody seal received intact and tamper not evident on cooler.
9. Y N (NA) Custody seal received intact and tamper not evident on bottles.

SAMPLE or FIELD ID	BOTTLE #	DATE SAMPLED	MATRIX	VOLUME	LOCATION	PRESERV.	PH
1-6	1	12/19	SO	4oz	VREF	1,2,3,4,5,6	U, <2, >12, NA
7-9	1	12/20	SO	↓	↓	1,2,3,4,5,6	U, <2, >12, NA
10	1-2	N/A	AQ	40ml	↓	1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA

AR 12-21-05

LOCATION: WI: Walk-In VR: Volatile Refrig. SUB: Subcontract EF: Encore Freezer

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: Other

Comments:

pH of waters checked excluding volatiles

(pH of soils N/A)

Delivery method: Courier: FE

Tracking#:

COOLER TEMP: 2.0 COOLER TEMP:

COOLER TEMP: COOLER TEMP:

Method of sample disposal: (circle one) Accutest disposal Hold Return to Client

Form: SM012, Rev.12/14/04, QAO

3 3.1

T12176: Chain of Custody

Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1179-MB	B117780.D	1	12/22/05	LJ	n/a	n/a	VB1179

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12176-2, T12176-3, T12176-4, T12176-5, T12176-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.3	ug/kg	
108-88-3	Toluene	ND	5.0	1.3	ug/kg	
1330-20-7	Xylene (total)	ND	15	3.8	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	75-137%
2037-26-5	Toluene-D8	106%	88-147%
460-00-4	4-Bromofluorobenzene	115%	82-154%
17060-07-0	1,2-Dichloroethane-D4	99%	62-135%

Method Blank Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1079-MB	Z20590.D	1	12/23/05	RR	n/a	n/a	VZ1079

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12176-1, T12176-2, T12176-6, T12176-7, T12176-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.3	ug/kg	
108-88-3	Toluene	ND	5.0	1.3	ug/kg	
1330-20-7	Xylene (total)	ND	15	3.8	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	75-137%
2037-26-5	Toluene-D8	101%	88-147%
460-00-4	4-Bromofluorobenzene	100%	82-154%
17060-07-0	1,2-Dichloroethane-D4	86%	62-135%

Method Blank Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF1734-MB	F0068861.D	1	12/23/05	RR	n/a	n/a	VF1734

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12176-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.47	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
1330-20-7	Xylene (total)	ND	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	73-139%
17060-07-0	1,2-Dichloroethane-D4	98%	66-139%
2037-26-5	Toluene-D8	102%	77-148%
460-00-4	4-Bromofluorobenzene	112%	84-150%

Blank Spike Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1179-BS	B117779.D	1	12/22/05	LJ	n/a	n/a	VB1179

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12176-2, T12176-3, T12176-4, T12176-5, T12176-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	50.6	101	64-136
100-41-4	Ethylbenzene	50	51.5	103	71-135
108-88-3	Toluene	50	47.8	96	70-136
1330-20-7	Xylene (total)	150	157	105	74-135

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	75-137%
2037-26-5	Toluene-D8	106%	88-147%
460-00-4	4-Bromofluorobenzene	92%	82-154%
17060-07-0	1,2-Dichloroethane-D4	91%	62-135%

Blank Spike Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1079-BS	Z20589.D	1	12/23/05	RR	n/a	n/a	VZ1079

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12176-1, T12176-2, T12176-6, T12176-7, T12176-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	47.4	95	64-136
100-41-4	Ethylbenzene	50	47.6	95	71-135
108-88-3	Toluene	50	46.5	93	70-136
1330-20-7	Xylene (total)	150	144	96	74-135

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	75-137%
2037-26-5	Toluene-D8	100%	88-147%
460-00-4	4-Bromofluorobenzene	87%	82-154%
17060-07-0	1,2-Dichloroethane-D4	81%	62-135%

Blank Spike Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF1734-BS	F0068860.D	1	12/23/05	RR	n/a	n/a	VF1734

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12176-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.1	104	67-118
100-41-4	Ethylbenzene	25	25.0	100	71-119
108-88-3	Toluene	25	25.2	101	70-121
1330-20-7	Xylene (total)	75	75.5	101	72-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	73-139%
17060-07-0	1,2-Dichloroethane-D4	101%	66-139%
2037-26-5	Toluene-D8	101%	77-148%
460-00-4	4-Bromofluorobenzene	101%	84-150%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T12176-9MS	B117796.D	1	12/22/05	LJ	n/a	n/a	VB1179
T12176-9MSD	B117797.D	1	12/22/05	LJ	n/a	n/a	VB1179
T12176-9	B117791.D	1	12/22/05	LJ	n/a	n/a	VB1179

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12176-2, T12176-3, T12176-4, T12176-5, T12176-9

CAS No.	Compound	T12176-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		61.3	55.4	90	53.2	86	4	50-125/26
100-41-4	Ethylbenzene	ND		61.3	57.0	93	54.4	88	5	46-129/25
108-88-3	Toluene	ND		61.3	54.4	89	49.1	80	10	51-127/24
1330-20-7	Xylene (total)	ND		184	175	95	167	90	5	48-130/25

CAS No.	Surrogate Recoveries	MS	MSD	T12176-9	Limits
1868-53-7	Dibromofluoromethane	95%	96%	93%	75-137%
2037-26-5	Toluene-D8	101%	102%	113%	88-147%
460-00-4	4-Bromofluorobenzene	87%	90%	113%	82-154%
17060-07-0	1,2-Dichloroethane-D4	85%	81%	85%	62-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T12196-1MS	Z20596.D	1	12/23/05	RR	n/a	n/a	VZ1079
T12196-1MSD	Z20598.D	1	12/23/05	RR	n/a	n/a	VZ1079
T12196-1	Z20591.D	1	12/23/05	RR	n/a	n/a	VZ1079

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12176-1, T12176-2, T12176-6, T12176-7, T12176-8

CAS No.	Compound	T12196-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		58.3	53.3	91	50.3	86	6	50-125/26
100-41-4	Ethylbenzene	ND		58.3	53.6	92	50.5	86	6	46-129/25
108-88-3	Toluene	ND		58.3	53.2	91	52.3	89	2	51-127/24
1330-20-7	Xylene (total)	ND		175	166	95	157	89	6	48-130/25

CAS No.	Surrogate Recoveries	MS	MSD	T12196-1	Limits
1868-53-7	Dibromofluoromethane	87%	88%	93%	75-137%
2037-26-5	Toluene-D8	99%	102%	101%	88-147%
460-00-4	4-Bromofluorobenzene	82%	86%	104%	82-154%
17060-07-0	1,2-Dichloroethane-D4	73%	72%	84%	62-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T12186-1MS	F0068865.D	1	12/23/05	RR	n/a	n/a	VF1734
T12186-1MSD	F0068866.D	1	12/23/05	RR	n/a	n/a	VF1734
T12186-1	F0068864.D	1	12/23/05	RR	n/a	n/a	VF1734

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12176-10

CAS No.	Compound	T12186-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	26.9	108	26.6	106	1	65-122/15
100-41-4	Ethylbenzene	ND		25	25.0	100	25.1	100	0	70-123/18
108-88-3	Toluene	ND		25	25.0	100	24.9	100	0	70-123/18
1330-20-7	Xylene (total)	ND		75	76.4	102	75.7	101	1	71-122/16

CAS No.	Surrogate Recoveries	MS	MSD	T12186-1	Limits
1868-53-7	Dibromofluoromethane	106%	102%	103%	73-139%
17060-07-0	1,2-Dichloroethane-D4	109%	107%	105%	66-139%
2037-26-5	Toluene-D8	102%	100%	103%	77-148%
460-00-4	4-Bromofluorobenzene	99%	97%	114%	84-150%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEE1035-MB	EE023303.D	1	12/28/05	JH	n/a	n/a	GEE1035

The QC reported here applies to the following samples: **Method:** SW846 8015

T12176-1, T12176-2, T12176-3, T12176-4, T12176-5, T12176-6, T12176-7, T12176-8, T12176-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	111%	56-139%
98-08-8	aaa-Trifluorotoluene	103%	46-136%

Blank Spike Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEE1035-BS	EE023304.D	1	12/28/05	JH	n/a	n/a	GEE1035

The QC reported here applies to the following samples: **Method:** SW846 8015

T12176-1, T12176-2, T12176-3, T12176-4, T12176-5, T12176-6, T12176-7, T12176-8, T12176-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.9	95	70-119

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	107%	56-139%
98-08-8	aaa-Trifluorotoluene	116%	46-136%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T12176-9MS	EE023311.D	1	12/28/05	JH	n/a	n/a	GEE1035
T12176-9MSD	EE023312.D	1	12/28/05	JH	n/a	n/a	GEE1035
T12176-9	EE023310.D	1	12/28/05	JH	n/a	n/a	GEE1035

5.3

5

The QC reported here applies to the following samples: **Method:** SW846 8015

T12176-1, T12176-2, T12176-3, T12176-4, T12176-5, T12176-6, T12176-7, T12176-8, T12176-9

CAS No.	Compound	T12176-9 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		28.9	25.5	88	24.8	86	3	66-122/21

CAS No.	Surrogate Recoveries	MS	MSD	T12176-9	Limits
460-00-4	4-Bromofluorobenzene	88%	86%	76%	56-139%
98-08-8	aaa-Trifluorotoluene	96%	93%	80%	46-136%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5356-MB	CC10803.D	1	12/28/05	RC	12/27/05	OP5356	GCC512

The QC reported here applies to the following samples: **Method:** SW846 8015 M

T12176-1, T12176-2, T12176-3, T12176-4, T12176-5, T12176-6, T12176-7, T12176-8, T12176-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.3	3.3	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	41-153%

Blank Spike Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5356-BS	CC10804.D	1	12/28/05	RC	12/27/05	OP5356	GCC512

The QC reported here applies to the following samples: **Method:** SW846 8015 M

T12176-1, T12176-2, T12176-3, T12176-4, T12176-5, T12176-6, T12176-7, T12176-8, T12176-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C28)	33.3	25.1	75	55-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	81%	41-153%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T12176
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5356-MS	CC10821.D	1	12/28/05	RC	12/27/05	OP5356	GCC512
OP5356-MSD	CC10822.D	1	12/28/05	RC	12/27/05	OP5356	GCC512
T12176-9	CC10820.D	1	12/28/05	RC	12/27/05	OP5356	GCC512

The QC reported here applies to the following samples: **Method:** SW846 8015 M

T12176-1, T12176-2, T12176-3, T12176-4, T12176-5, T12176-6, T12176-7, T12176-8, T12176-9

CAS No.	Compound	T12176-9 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	ND		41.2	30.3	73	33.5	82	10	49-139/24

CAS No.	Surrogate Recoveries	MS	MSD	T12176-9	Limits
84-15-1	o-Terphenyl	97%	91%	88%	41-153%

Delrose Scott Hugh

December 2005 – Groundwater Samples – Analytical Results

e-Hardcopy 2.0
Automated Report

Gulf Coast
ACCUTEST.
Laboratories

12/27/05

Technical Report for

Premier Environmental Services

Delrose Scott Hughes/205071/2000-10807

Accutest Job Number: T12186

Sampling Date: 12/21/05

Report to:

Premier Environmental Services

cpatel@premiercorp-usa.com

ATTN: Chan Patel

Total number of pages in report: 13

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Ron Martino
Laboratory Manager

Sections:

Table of Contents

Accutest Laboratories

Sample Summary

Premier Environmental Services

Job No: T12186

Delrose Scott Hughes/205071/2000-10807

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T12186-1	12/21/05	15:10	KG	12/22/05	AQ	Ground Water	MW-2
T12186-2	12/21/05	15:15	KG	12/22/05	AQ	Ground Water	MW-3
T12186-3	12/21/05	00:00	KG	12/22/05	AQ	Trip Blank Water	TRIP BLANK

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	T12186-1	**Date Sampled:**	12/21/05
Matrix:	AQ - Ground Water	**Date Received:**	12/22/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0068864.D	1	12/23/05	RR	n/a	n/a	VF1734
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.47	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		73-139%
17060-07-0	1,2-Dichloroethane-D4	105%		66-139%
2037-26-5	Toluene-D8	103%		77-148%
460-00-4	4-Bromofluorobenzene	114%		84-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	T12186-2	**Date Sampled:**	12/21/05
Matrix:	AQ - Ground Water	**Date Received:**	12/22/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0068872.D	1	12/23/05	RR	n/a	n/a	VF1734
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.47	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		73-139%
17060-07-0	1,2-Dichloroethane-D4	106%		66-139%
2037-26-5	Toluene-D8	99%		77-148%
460-00-4	4-Bromofluorobenzene	107%		84-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T12186-3	**Date Sampled:**	12/21/05
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/22/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Delrose Scott Hughes/205071/2000-10807		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0068873.D	1	12/23/05	RR	n/a	n/a	VF1734
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.47	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		73-139%
17060-07-0	1,2-Dichloroethane-D4	109%		66-139%
2037-26-5	Toluene-D8	98%		77-148%
460-00-4	4-Bromofluorobenzene	108%		84-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

Page 1 of 1

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # T12186

Client / Reporting Information

Company Name: Premier Environmental Services
Project Contact: Will Murley E-Mail:
Address: 30 West Industrial Loop, Suite I
City / State / Zip: Midland, TX 79701
Phone No.: 432-230-1414 Fax No.:
Samplers's Name:

Project Information

Project Name / No.: Delrose Scott Hughes/205071/2000-10807
Bill to: Invoice Attn.:
Address:
City: State: Zip:
Phone No.: Fax No.:
Client Purchase Order #:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Wastewater; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; SOL - Other Solid

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	ENCORE	NaHSO4	MEOH	NONE	BTEX	LAB USE ONLY
1	MW-2	12-21-05	1510	GW	3	X								X	
2	3	↓	1515	↓	↓	↓								X	
3	Trip Blk	—	—	TB	3	X								X	

Turnaround Time (Business days)

- [X] 10 Day STANDARD
- [ ] 5 Day RUSH
- [ ] 4 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] Other

Approved By:/ Date:

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results & Standard QC

Comments / Remarks

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Kenneth Gilley / Kenneth Gilley	12-21-05/1530	1 [signature] 12/22/05 1130	2		2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable ☐	On Ice X Cooler Temp. 4.8°C

T12186: Chain of Custody
Page 1 of 2

ACCUTEST. SAMPLE RECEIPT LOG

JOB #: T12186 DATE/TIME RECEIVED: 12/22/05 1140

CLIENT: Premier Env INITIALS: BN

Condition/Variance (Circle "Y" for yes and "N" for no or NA. If "N" is circled, see variance for explanation):

1. (Y) N Sample received in undamaged condition.
2. (Y) N Samples received within temp. range.
3. Y (N) Sample received with proper pH.
4. (Y) N Sample received in proper containers.
5. (Y) N Sample volume sufficient for analysis.
6. (Y) N Sample received with chain of custody.
7. (Y) N Chain of Custody matches **sample IDs and analysis** on containers.
8. (Y) N NA Custody seal received intact and tamper not evident on cooler.
9. (Y) N NA Custody seal received intact and tamper not evident on bottles.

SAMPLE or FIELD ID	BOTTLE #	DATE SAMPLED	MATRIX	VOLUME	LOCATION	PRESERV.	PH
1-2	1-3	12/21/05	GW	40ml	VREF	1,2,3,4,5,6	U, <2, >12, NA
3	1-2	⊥	TripBlk	⊥	⊥	1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA

Bradley Ng 12/22/05

LOCATION: WI: Walk-In VR: Volatile Refrig. SUB: Subcontract EF: Encore Freezer

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: Other

Comments: ______

pH of waters checked excluding volatiles

pH of soils N/A

Delivery method: Courier: Fed Ex Tracking#: ______

COOLER TEMP: 1.8C COOLER TEMP: ______ COOLER TEMP: ______ COOLER TEMP: ______

Method of sample disposal: (circle one) Accutest disposal Hold Return to Client

Form: SM012, Rev.12/14/04, QAO

T12186: Chain of Custody

Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T12186
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF1734-MB	F0068861.D	1	12/23/05	RR	n/a	n/a	VF1734

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12186-1, T12186-2, T12186-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.47	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
1330-20-7	Xylene (total)	ND	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	73-139%
17060-07-0	1,2-Dichloroethane-D4	98%	66-139%
2037-26-5	Toluene-D8	102%	77-148%
460-00-4	4-Bromofluorobenzene	112%	84-150%

Blank Spike Summary

Job Number: T12186
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF1734-BS	F0068860.D	1	12/23/05	RR	n/a	n/a	VF1734

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12186-1, T12186-2, T12186-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.1	104	67-118
100-41-4	Ethylbenzene	25	25.0	100	71-119
108-88-3	Toluene	25	25.2	101	70-121
1330-20-7	Xylene (total)	75	75.5	101	72-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	73-139%
17060-07-0	1,2-Dichloroethane-D4	101%	66-139%
2037-26-5	Toluene-D8	101%	77-148%
460-00-4	4-Bromofluorobenzene	101%	84-150%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T12186
Account: PESTXST Premier Environmental Services
Project: Delrose Scott Hughes/205071/2000-10807

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T12186-1MS	F0068865.D	1	12/23/05	RR	n/a	n/a	VF1734
T12186-1MSD	F0068866.D	1	12/23/05	RR	n/a	n/a	VF1734
T12186-1	F0068864.D	1	12/23/05	RR	n/a	n/a	VF1734

The QC reported here applies to the following samples: **Method:** SW846 8260B

T12186-1, T12186-2, T12186-3

CAS No.	Compound	T12186-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	26.9	108	26.6	106	1	65-122/15
100-41-4	Ethylbenzene	ND		25	25.0	100	25.1	100	0	70-123/18
108-88-3	Toluene	ND		25	25.0	100	24.9	100	0	70-123/18
1330-20-7	Xylene (total)	ND		75	76.4	102	75.7	101	1	71-122/16

CAS No.	Surrogate Recoveries	MS	MSD	T12186-1	Limits
1868-53-7	Dibromofluoromethane	106%	102%	103%	73-139%
17060-07-0	1,2-Dichloroethane-D4	109%	107%	105%	66-139%
2037-26-5	Toluene-D8	102%	100%	103%	77-148%
460-00-4	4-Bromofluorobenzene	99%	97%	114%	84-150%

Appendix D

New Mexico Office of State Engineer Water Well Reports

PREMIER

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 22S Range: 37E Sections: 14

NAD27 X: Y: Zone: Search Radius:

County: LE 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

WATER COLUMN REPORT 07/05/2005

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

Well Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in Column
CP 00581	22S	37E	14	2	2	2				125	65	60

Record Count: 1

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 22S Range: 37E Sections: 14

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) ○Non-Domestic ○Domestic ◉All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 07/05/2005

(Depth Water in Feet)

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	22S	37E	14				1	65	65	65

Record Count: 1

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 22S Range: 37E Sections: 14

NAD27 X: Y: Zone: Search Radius:

County: LE 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

WATER COLUMN REPORT 07/05/2005

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

Well Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in Column
CP 00581	22S	37E	14	2	2	2				125	65	60

Record Count: 1

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 21S Range: 37E Sections: 26

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

WATER COLUMN REPORT 07/14/2005

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

Well Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in Column
CP 00230	21S	37E	26	3	2	3				85		
CP 00227	21S	37E	26	4	3	2				85		
CP 00228	21S	37E	26	4	3	4				90		
CP 00226	21S	37E	26	4	4	1				80		

Record Count: 4

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 22S Range: 37E Sections: 26

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○Non-Domestic ○Domestic ◉All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 07/14/2005

(Depth Water in Feet)

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	22S	37E	26				1	65	65	65

Record Count: 1

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 22S Range: 37E Sections: 26

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○Non-Domestic ○Domestic ◉All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 07/14/2005

								(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	22S	37E	26				1	65	65	65

Record Count: 1