1R - 0455

REPORTS

DATE:

2006

1R0455
Report
2006

PLAINS
ALL AMERICAN

March 29, 2007

Mr. Ben Stone
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains All American – Annual Monitoring Report
2 Sites in Lea County, New Mexico

Dear Mr. Stone:

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring reports for the following sites:

DS Hugh Gathering 1R-0463	Section 26, Township 21 South, Range 37 East, Lea County
Vacuum to Jal Mainline #3 1R-0455	Section 35, Township 21 South, Range 37 East, Lea County

Premier prepared this document and has vouched for its accuracy and completeness, and Plains All American has reviewed the document and interviewed Premier in order to verify the accuracy and completeness of this document. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Report for the above facility.

If you have any questions or require further information, please contact me at (432) 557-5865.

Sincerely,

Daniel Bryant
Environmental Specialist
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

2006 ANNUAL REPORT
VACUUM TO JAL 14" MAINLINE #3
PLAINS SRS NO. 2003-00117
UL-A, SECTION 35, T21S, R37E
Lea County, New Mexico
NMOCD No.: 1R - 0455

PREPARED FOR

PLAINS MARKETING, L.P.

333 CLAY STREET, SUITE 1600

HOUSTON, TEXAS 77002

PREPARED BY

PREMIER ENVIRONMENTAL SERVICES, INC.

4800 Sugar Grove Blvd., Suite 420
Stafford, Texas 77477
281.240.5200

Project No. 205068.00

March 2007

Chan Patel
Senior Project Manager

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Distribution

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.

ES EXECUTIVE SUMMARY

On May 8, 2003, a release of approximately 3 barrels of crude oil occurred from a 14" steel pipeline at the EOTT Energy LLC (EOTT) Vacuum to Jal 14" Mainline # 3 Site (Site), SRS No. 2003-00117 (Vac to Jal #3). Plains Marketing, L.P. (Plains) currently owns the pipeline. The Site is located in unit letter A, NE¼ of the NE¼, Section 35, Township 21S, Range 37E, or more specifically at latitude 32° 26' 32.67" N and longitude 103 ° 07' 36.885" W in Lea County, New Mexico (Figure 1, Appendix A). The release was apparently caused by internal corrosion and the pipeline was repaired.

The irregularly shaped spill area was approximately 566 square feet, according to Mr. Pat McCasland with Environmental Plus, Inc. (EPI). As part of the initial remediation activities impacted soil was removed and stockpiled on site in June 2003. A total of 676 cubic yards of stockpiled soil was transported to the Lea Station Land Farm for treatment, as reported on the C-138 in April 2004 by EPI.

Investigation of hydrocarbon impact in soil and groundwater continued through 2005, detailed in a March 2006 *Site Investigation and Annual Report*, which was submitted to New Mexico Oil Conservation Division (NMOCD) and Plains.

During 2006, soil remediation was conducted and monitoring of groundwater and PSH recovery continued on a nearly bimonthly basis.

In May 2006, a soil remediation plan was submitted to the NMOCD to address soil contamination at the site. Objectives of this risk-based soil remediation plan were to isolate and control contaminants of concern (COCs) in the soil and to prevent further impact to groundwater. The soil remediation plan was approved by NMOCD in a correspondence dated June 1, 2006. A *Soil Closure Report*, which details the excavation, impermeable liner installation and other activities completed to meet the objectives identified in the soil remediation plan and the specific conditions identified in the NMOCD approval letter, was submitted to the NMOCD in March 2006. The footprint of the excavation and location of the monitoring wells are depicted in Figure 2, Appendix A. Details regarding soil analytical results can be found in the 2006 *Soil Closure Report*, previously submitted to the NMOCD.

Semi-monthly gauging data did not indicate significant fluctuation in groundwater elevations during 2006. The groundwater flow based on the gauging data collected during 2006 was in a southeast direction at an approximate gradient across the site of 0.0028 feet/feet as measured between monitoring wells MW-4 and MW-7 (Figures 3A - 3D, Appendix A). The groundwater gradient and flow direction across the site during this period are consistent throughout 2006, as well as consistent with 2005 data.

The dissolved phase plume was evaluated by analyzing groundwater samples collected from six monitoring wells which do not contain PSH. Benzene was detected in MW-2 and MW-3 located slightly down-gradient of the excavated soil

area (Figure 2, Appendix A; Table 2, Appendix B). The analytical data in both of these wells showed a slight decreasing trend in benzene concentration during 2006. BTEX constituents were not detected in the remaining up-gradient, cross-gradient, and down-gradient monitoring wells.

One recovery well and one monitoring well contained measurable PSH, recovered using absorbent socks and manual bailing. The PSH thickness varied from 0.05 to 2.91 feet in RW-1, and 0.02 to 2.0 feet in MW-1. PSH sheen was observed in recovery wells RW-1, RW-2, and RW-3 during 2006. Approximately 40 gallons of PSH were recovered from approximately 160 gallons of total fluids during 2006,

1.0 INTRODUCTION AND SITE HISTORY

Premier Environmental Services, Inc. (Premier) has been retained by Plains Marketing, L.P. (Plains) to complete this Annual Report at the Vacuum to Jal 14" Mainline #3 Site (Site) (SRS Nos. 2003-00117). The Site is located in unit letter A, NE¼ of the NE¼, Section 35 Township 21S, Range 37E, or specifically at latitude 32° 26' 32.67" N and longitude 103° 07' 36.885" W in Lea County, New Mexico (Figure 1, Appendix A).

A hydrocarbon leak occurred on May 8, 2003, apparently caused by internal corrosion. The release was below the reportable quantity and was not initially reported to the New Mexico Oil Conservation Division (NMOCD).

The release was investigated and soil was excavated and stockpiled in June 2003 by Environmental Plus, Inc. (EPI). Transport of 676 cubic yards of stockpiled soil to the Lea Station Land Farm for treatment was reported on the C-138 in April 2004.

Investigation of hydrocarbon impact in soil and groundwater continued through 2005. The results of the 2005 soil and groundwater investigations are detailed in a March 2006 *Site Investigation and Annual Report*, which was submitted to NMOCD and Plains.

2.0 2006 ACTIVITIES

During 2006, soil impact was further assessed and groundwater monitoring continued on a quarterly basis.

2.1 2006 Soil Remediation

In May 2006, a soil remediation plan was submitted to the NMOCD to address soil impact at the site. Objectives of this risk-based plan were to isolate and control contaminants of concern (COCs) in the soil and to prevent further impact to groundwater. The soil remediation plan was approved by NMOCD in a June 1, 2006 letter.

In October 2006, excavation of impacted soil was completed in accordance with the *Soil Remediation Plan* to satisfy soil remediation goals and meet regulatory requirements. The excavation footprint and monitoring wells locations are shown on Figure 2, Appendix A.

The base of the excavation was over-excavated to an approximate depth of 5 feet below the bottom of the pipeline, and the base of the excavation was graded with a high central area. A 20-mil high-density polyethylene (HDPE) impermeable liner was placed at the base of the excavation, trimmed and covered with a 6-inch-thick layer of clean imported. The outward slope from the center of the excavation facilitates drainage away from the residual hydrocarbon.

A composite soil sample was collected from the onsite stockpiled soil to verify use of the soil as acceptable fill, confirmed by analytical results below the NMOCD

established standard of 1,000 mg/kg TPH for backfill material. Details regarding soil remediation can be found in the *December 2006 Soil Closure Report*, submitted to the NMOCD in December 2006.

2.2 2006 Groundwater Activities

Groundwater at the site was evaluated during 2006 through semi-monthly gauging of three recovery wells, seven monitoring wells; and quarterly groundwater sampling from six monitoring wells for laboratory analysis. Groundwater samples were analyzed for BTEX constituents. Three recovery wells and one monitoring well contained measurable PSH. Recovery wells RW-1, RW-2, and RW-3, as well as Monitor well MW-1 contained PSH and groundwater samples were not collected for laboratory analysis. PSH was recovered using absorbent socks and manual bailing.

The PSH thickness varied from 0.05 to 2.91 feet in RW-1, and 0.02 to 2.0 feet in MW-1. One recovery well and one monitoring well contained measurable PSH, recovered using absorbent socks and manual bailing. The PSH thickness varied from 0.05 to 2.91 feet in RW-1, and 0.02 to 2.0 feet in MW-1. PSH sheen was observed in recovery wells RW-1, RW-2, and RW-3 during 2006. Approximately 40 gallons of PSH were recovered from approximately 160 gallons of total fluids during 2006. Approximately 40 gallons of PSH were recovered from approximately 160 gallons of total fluids removed during 2006. The amount of PSH recovered through absorbent socks can not be quantified accurately.

Semi-monthly gauging data did not indicate significant fluctuation in groundwater elevations during 2006 (<1.0 ft). The groundwater flow based on the gauging data collected during 2006 was in a southeast direction at an approximate gradient across the site of 0.0028 feet/feet as measured between monitoring wells MW-4 and MW-7 (Figures 3A -3D, Appendix A). The groundwater gradient and flow direction across the site during this period were consistent throughout 2006, as well as consistent with 2005 data.

The dissolved phase plume was evaluated by analyzing groundwater samples collected from six monitoring wells which do not contain PSH. Benzene was detected in MW-2 and MW-3 located slightly down-gradient of the excavated soil area (Figure 2, Figures 4A-4D, Appendix A; Table 2, Appendix B). The analytical data from monitor wells MW-2 and MW-3, although slightly exceeding the NMOCD benzene criteria during 2006, showed a decreasing trend in benzene concentrations from 1st to 4th quarters 2006 (MW-2 - 0.243 mg/L to 0.214 mg/L; MW-3 - 0.501 mg/L to 0.190 mg/L respectively). No other BTEX constituents were detected in groundwater from monitor wells MW-2 and MW-3. BTEX constituents were not detected in monitoring wells MW-4, MW-5, MW-6, and MW-7.

3.0 CONCLUSIONS

During 2006, excavation of impacted soil was completed and groundwater monitoring was conducted on a quarterly basis. PSH recovery was ongoing through manual bailing and the use of absorbent socks.

In October 2006, impacted soil was excavated in accordance with the *Soil Remediation Plan*. The proposed plan was submitted to NMOCD in May 2006 and approved by NMOCD in June 2006. The objectives of the soil remediation (as described in the approved *Soil Remediation Plan*) were to isolate and control COCs in soil and to prevent further impact to groundwater. Soil remediation goals and regulatory requirements established in the *Soil Remediation Plan* were attained, detailed in the *December 2006 Soil Closure Report*.

Measurable PSH and/or sheen were observed in recovery wells RW-1, RW-2, and RW-3, and monitor well MW-1 during 2006. Approximately 40 gallons of PSH were recovered from approximately 160 gallons of total fluids during 2006. These fluids were manually bailed from three recovery wells and one monitoring well.

Benzene was detected above NMOCD criteria in MW-2 and MW-3 located slightly down-gradient of the excavated soil area (Figures 4A-4D, Appendix A; Table 2, Appendix B). The analytical data in both of these wells showed a slight decreasing trend in benzene concentration during 2006. BTEX constituents were not detected in the remaining up-gradient, cross-gradient, and down-gradient monitoring wells.

4.0 2007 PROPOSED ACTIVITIES

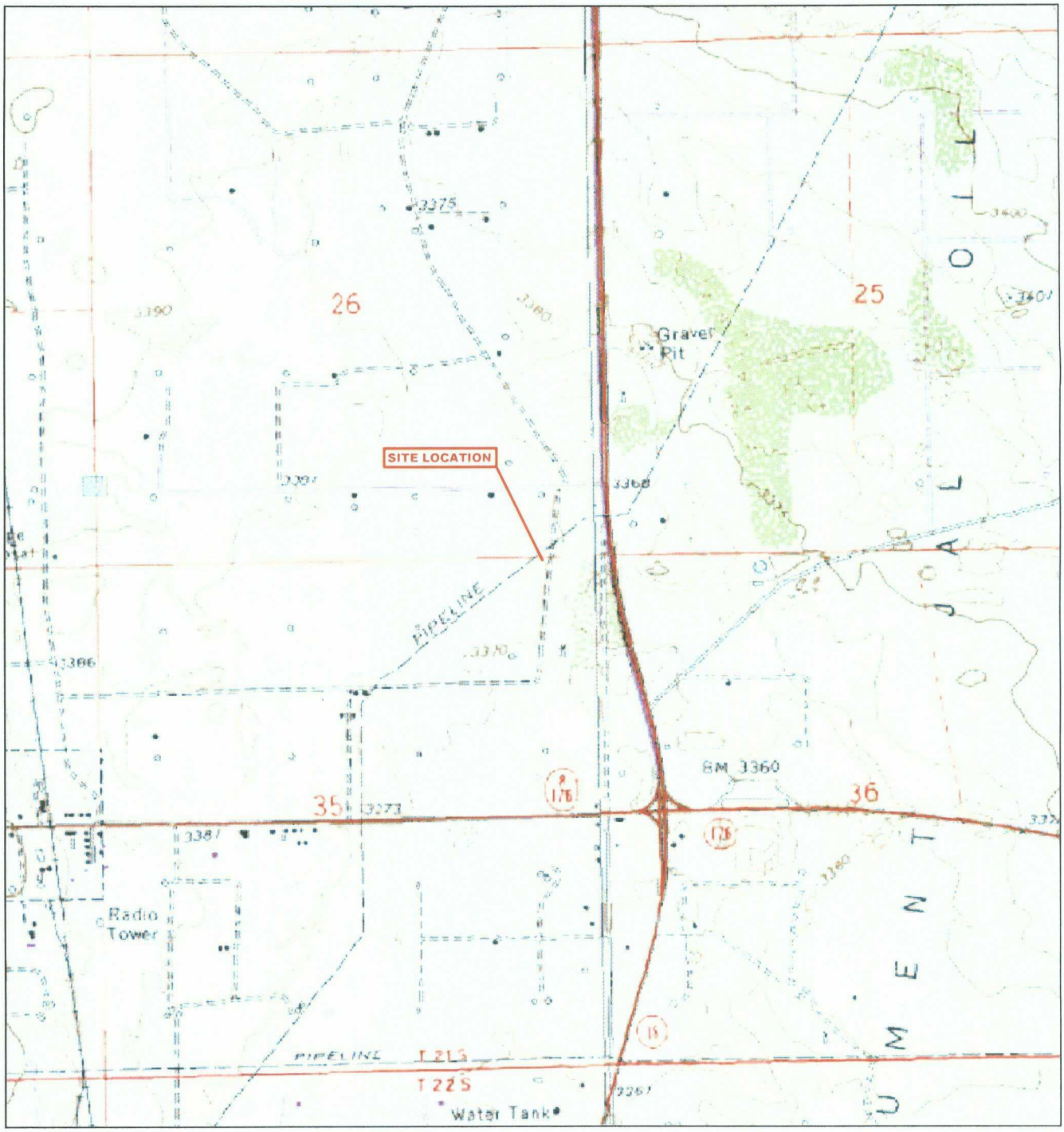
Premier proposes to continue weekly PSH recovery operations through manual bailing, and changing absorbent socks in wells with PSH as necessary, monthly gauging, and quarterly groundwater sampling to monitor hydrocarbons in groundwater. Should any appreciable accumulations of PSH be observed (in excess of 0.25'), recovery operations will be increased to include hand bailing the affected wells weekly.

Site restoration (seeding) of the backfilled area will be completed at the appropriate time upon approval by the landowner and Plains Marketing L.P.

Appendix A
Figures

Figure 1 – Site Location Map
Figure 2 – Site Detail & Monitoring Well Location Map
Figure 3A – 1st Quarter 2006 Hydraulic Gradient Map
Figure 3B – 2nd Quarter 2006 Hydraulic Gradient Map
Figure 3C – 3rd Quarter 2006 Hydraulic Gradient Map
Figure 3D – 4th Quarter 2006 Hydraulic Gradient Map

Figure 4A – 1st Quarter 2006 BTEX Concentration Map
Figure 4B – 2nd Quarter 2006 BTEX Concentration Map
Figure 4C – 3rd Quarter 2006 BTEX Concentration Map
Figure 4D – 4th Quarter 2006 BTEX Concentration Map



Eunice Quadrangle
32°26'32.75"N Latitude & 103°07'37.81"W Longitude

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

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Figure 1
Site Location Map
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00	CK:	DATE: 3/07

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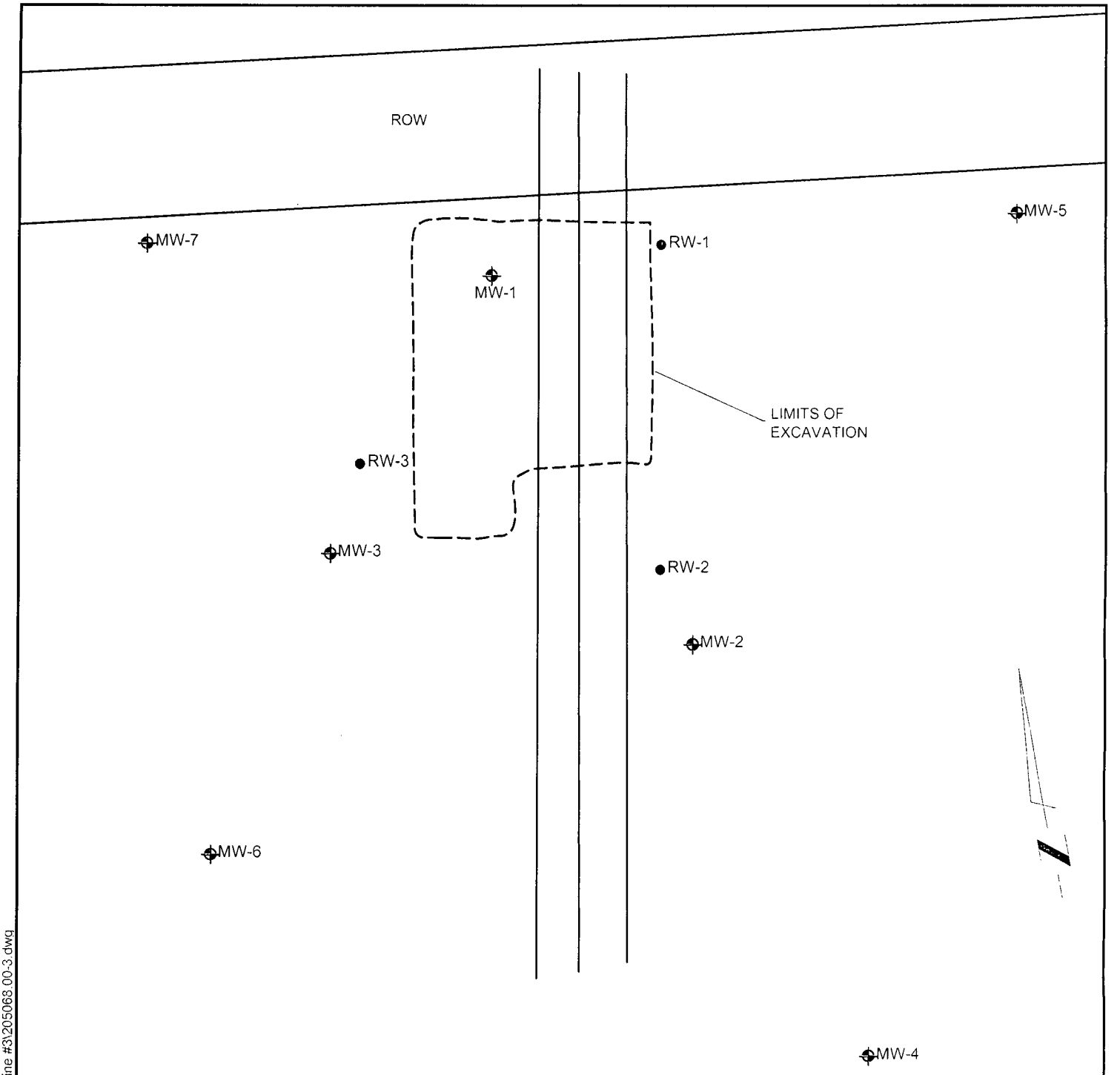

LEGEND:

- RW-1 -RECOVERY WELL LOCATION
- MW-1 -MONITORING WELL LOCATION

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FEET
APPROXIMATE SCALE

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ENVIRONMENTAL SERVICES, INC.

Figure 2
Site Detail & Monitoring Well Location Map
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00	CK:	DATE: 3/07

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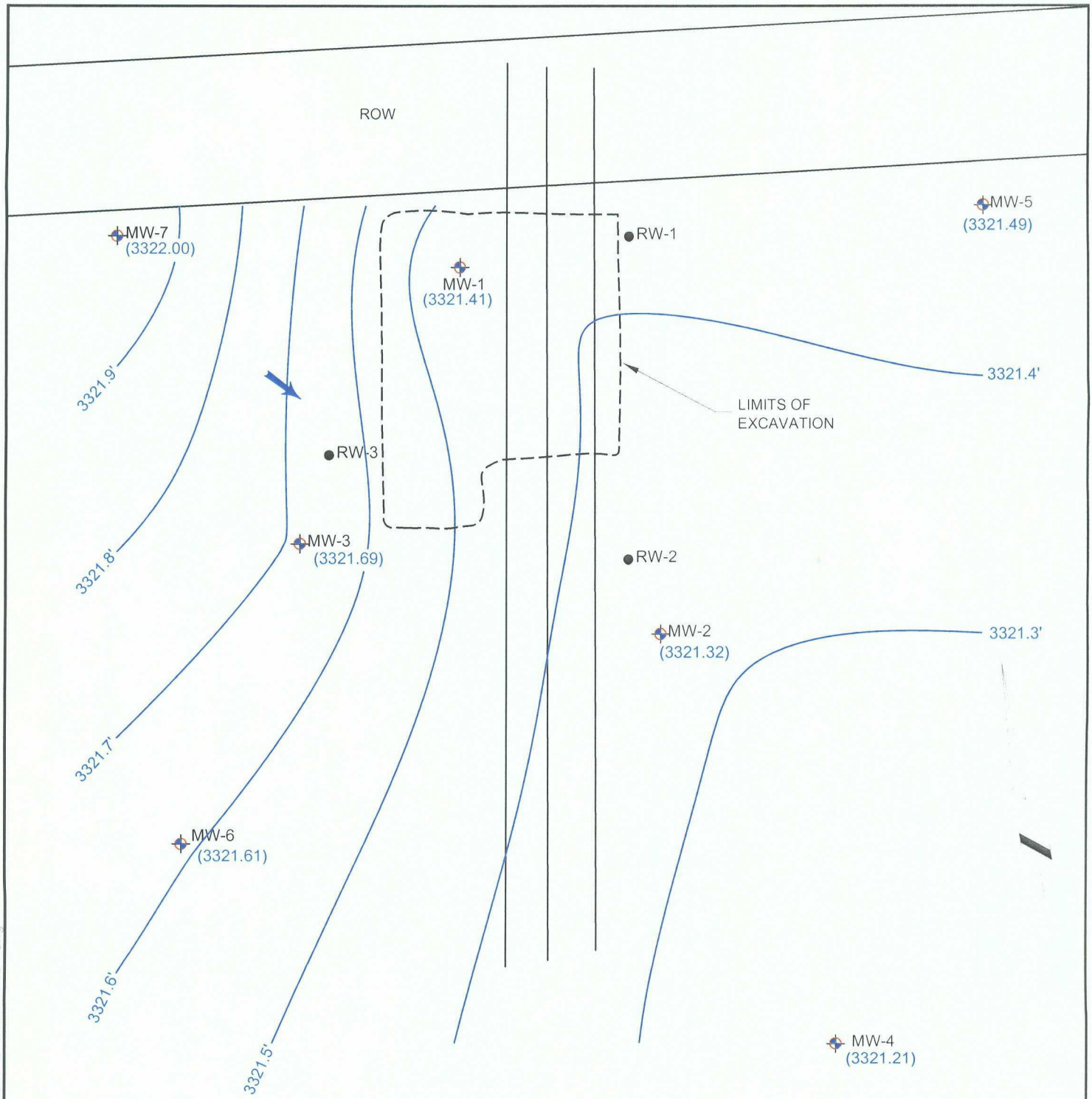

LEGEND:

- RW-1 -RECOVERY WELL LOCATION
- MW-1 -MONITORING WELL LOCATION
- (3121.11) - Corrected Ground Water Elevation, ft.
- 3321.00 - Ground Water Elevation Contour, ft. Contour Interval=0.1 ft.
- Apparent Ground Water Flow Direction

Note: Wells RW-1, RW-2, and RW-3 not used to contour.

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APPROXIMATE SCALE

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ENVIRONMENTAL SERVICES, INC.

Figure 3-A
1st Quarter 2006 Hydraulic Gradient Map
March 28, 2006
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00	CK:	DATE: 3.07

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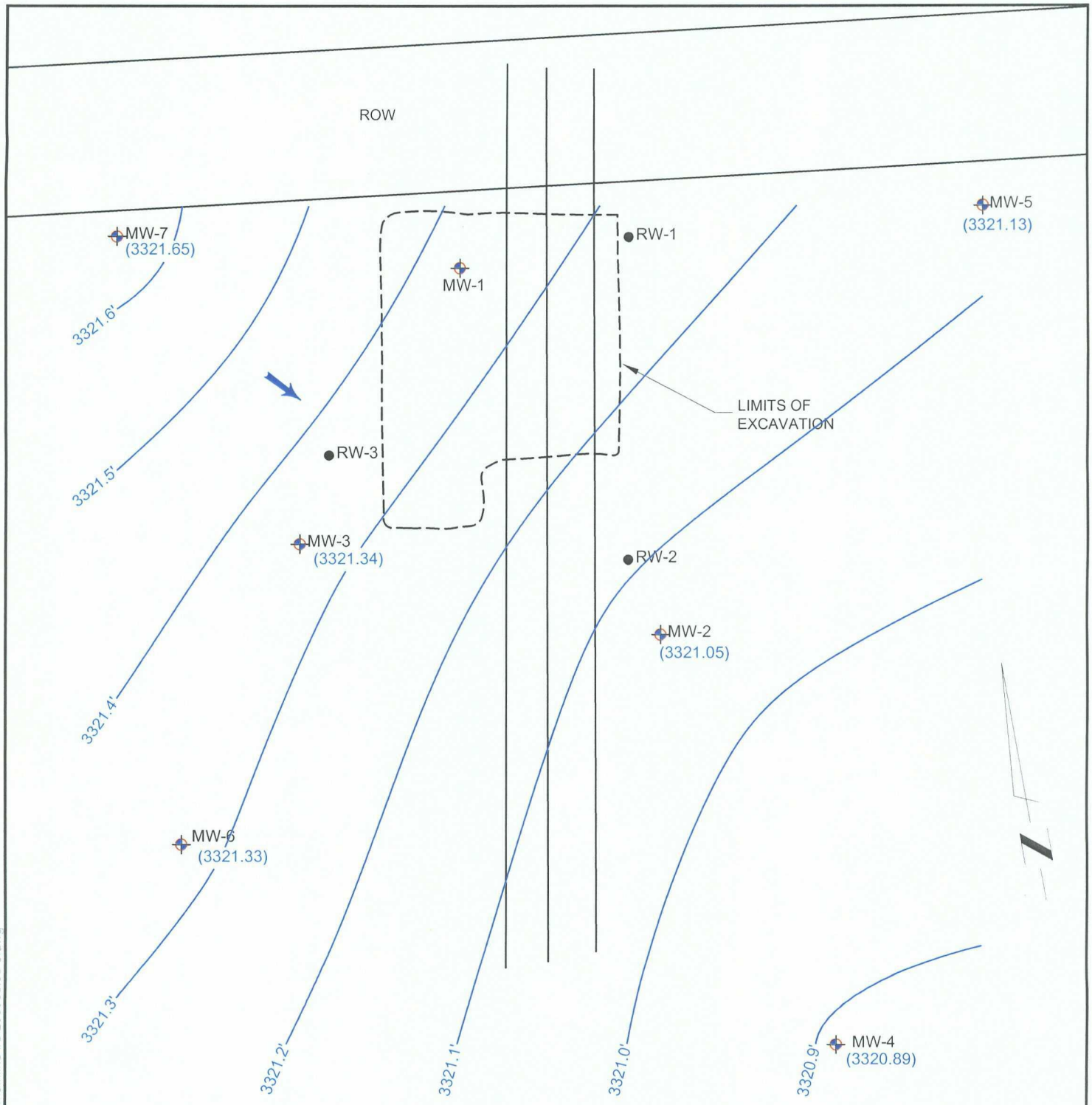

LEGEND:

- ● RW-1 -RECOVERY WELL LOCATION
- ⊕ MW-1 -MONITORING WELL LOCATION
- (3121.11) - Corrected Ground Water Elevation, ft.
- 3321.00 - Ground Water Elevation Contour, ft. Contour Interval=0.1 ft.
- → - Apparent Ground Water Flow Direction

Note: Wells MW-1, RW-1, RW-2, and RW-3 not used to contour.

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APPROXIMATE SCALE

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ENVIRONMENTAL SERVICES, INC.

Figure 3-B
2nd Quarter 2006 Hydraulic Gradient Map
June 15, 2006
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00	CK:	DATE: 3/07

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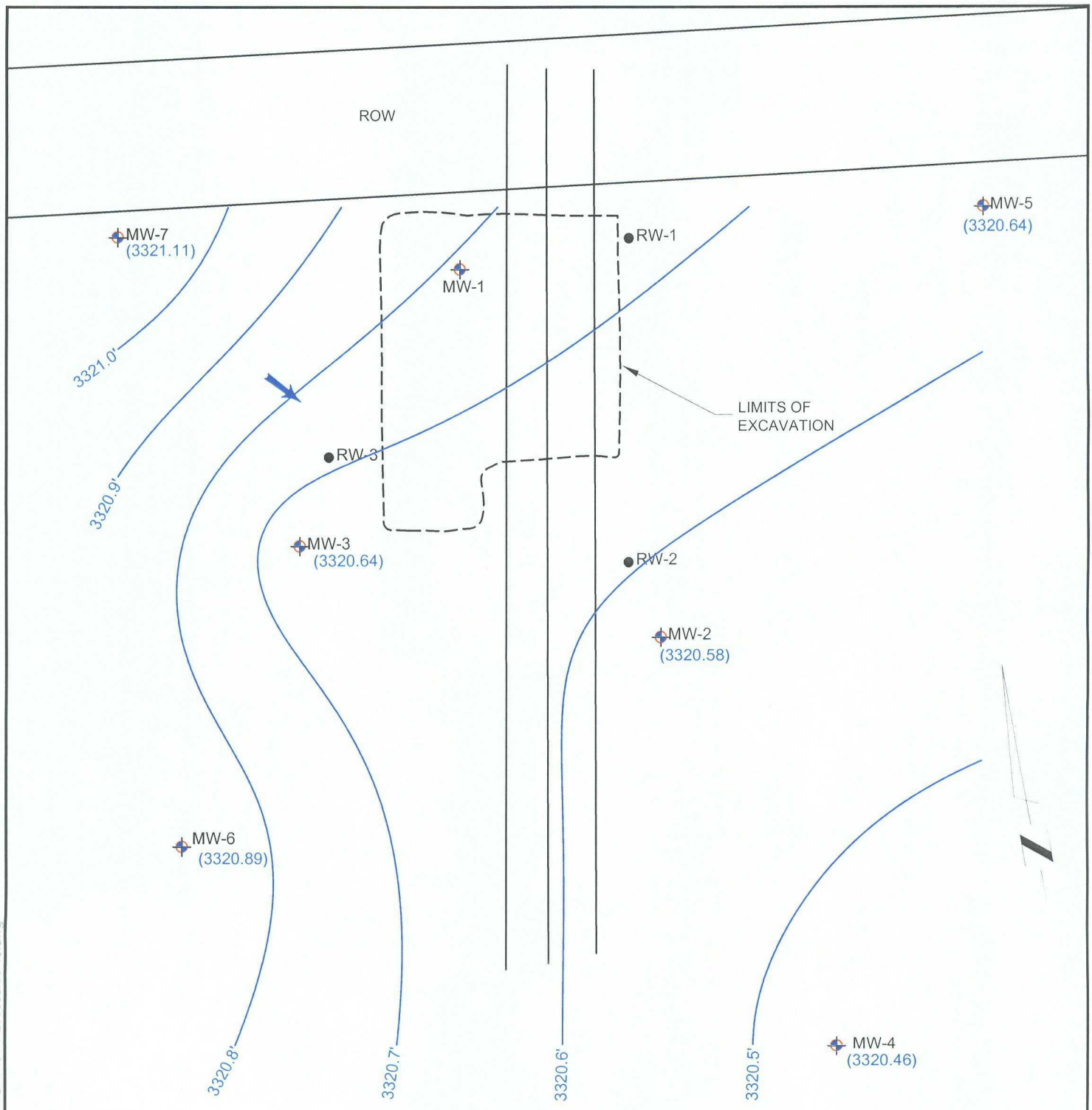

LEGEND:

- RW-1 -RECOVERY WELL LOCATION
- MW-1 -MONITORING WELL LOCATION
- (3121.11) - Corrected Ground Water Elevation, ft.
- 3321.00 - Ground Water Elevation Contour, ft. Contour Interval=0.1 ft.
- Apparent Ground Water Flow Direction

Note: Wells MW-1, RW-1, RW-2, and RW-3 not used to contour.

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APPROXIMATE SCALE

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ENVIRONMENTAL SERVICES, INC.

Figure 3-C
3rd Quarter 2006 Hydraulic Gradient Map
September 12, 2006
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00	CK:	DATE: 3/07

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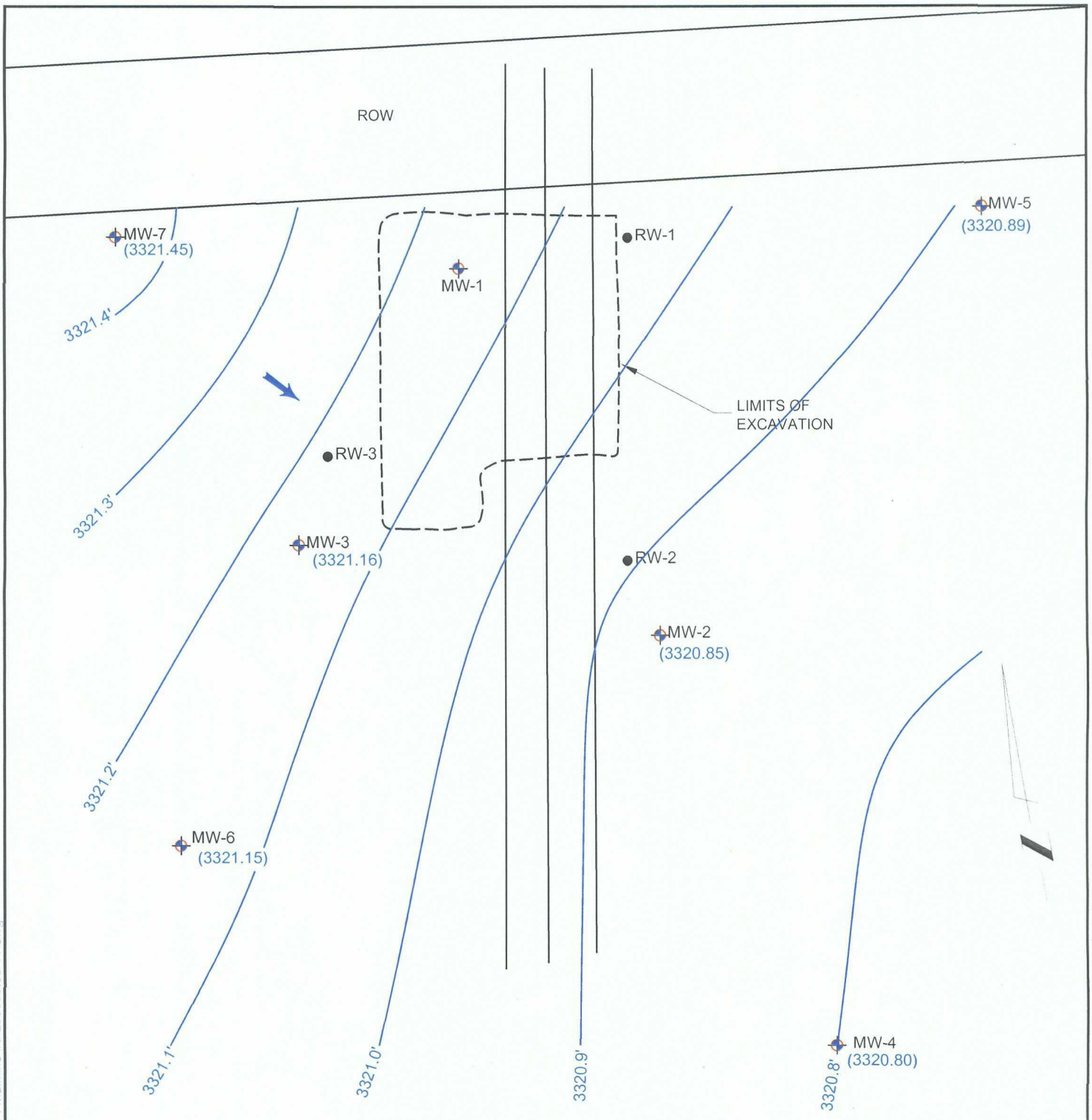

LEGEND:

- ● RW-1 -RECOVERY WELL LOCATION
- ⊕ MW-1 -MONITORING WELL LOCATION
- (3121.11) - Corrected Ground Water Elevation, ft.
- 3321.00 - Ground Water Elevation Contour, ft. Contour Interval=0.1 ft.
- → - Apparent Ground Water Flow Direction

Note: Wells MW-1, RW-1, RW-2, and RW-3 not used to contour.

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ENVIRONMENTAL SERVICES, INC.

Figure 3-D
4th Quarter 2006 Hydraulic Gradient Map
December 6, 2006
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00	CK:	DATE: 3/07

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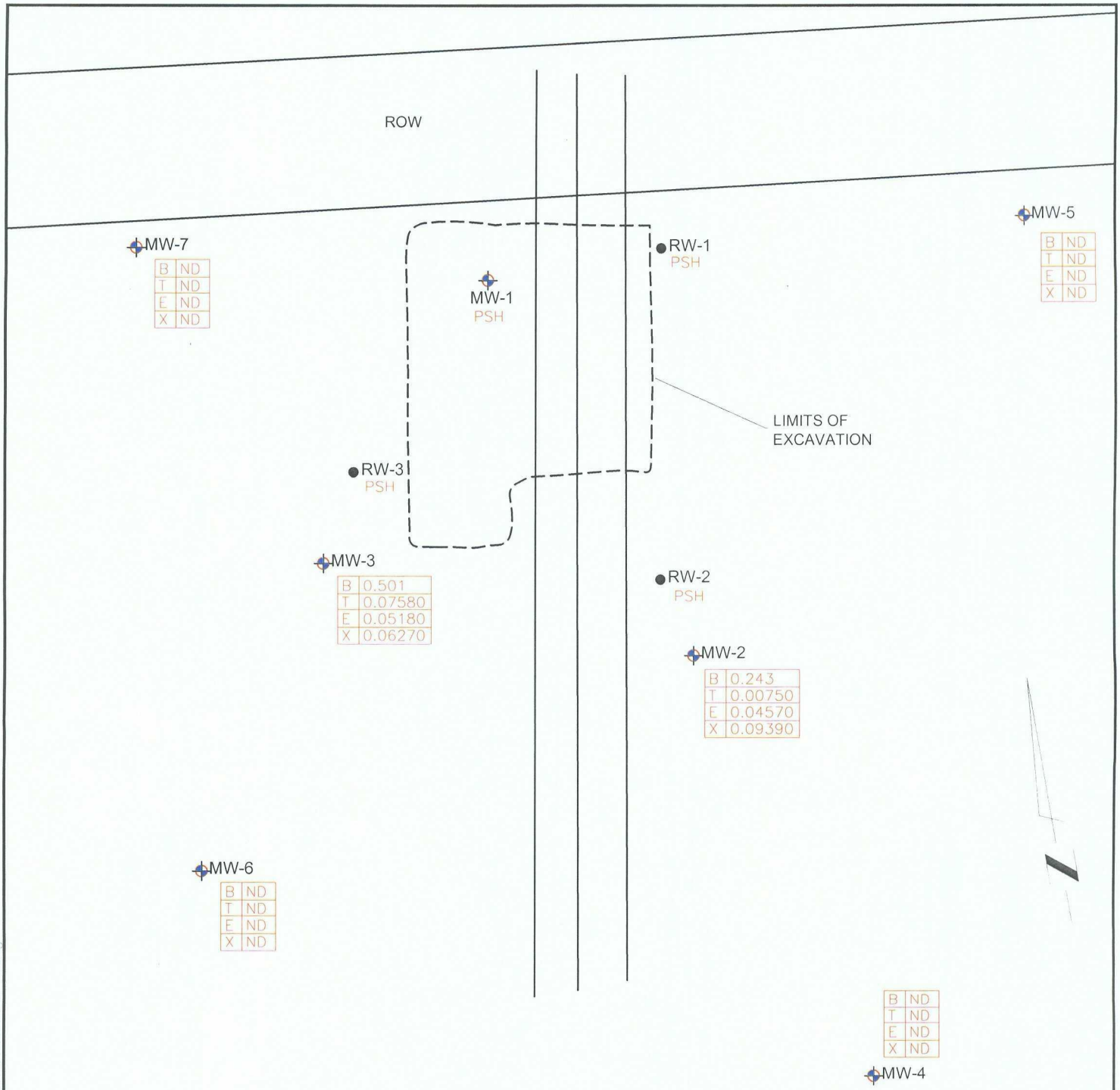

LEGEND:

- RW-1 -RECOVERY WELL LOCATION
- MW-1 -MONITORING WELL LOCATION

Note: All concentration in mg/L.
PSH= PSH present and well not sampled.

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APPROXIMATE SCALE

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ENVIRONMENTAL SERVICES, INC.

Figure 4-A
1st Quarter 2006 BTEX Concentration Map
March 28, 2006
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00	CK:	DATE: 3/07

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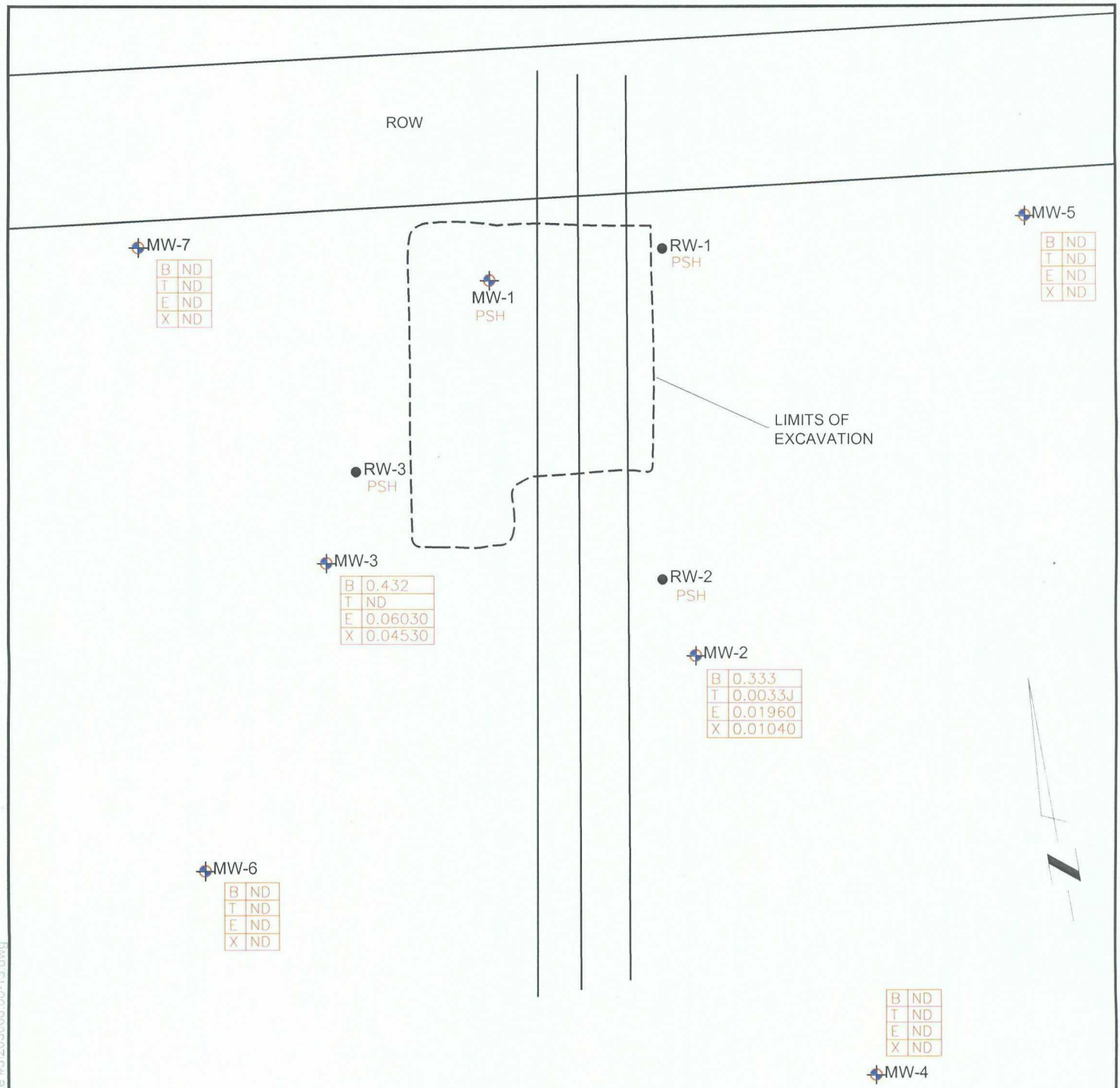

LEGEND:

- RW-1 -RECOVERY WELL LOCATION
- *MW-1 -MONITORING WELL LOCATION*

Note: All concentration in mg/L.
PSH= PSH present and well not sampled.

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APPROXIMATE SCALE

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ENVIRONMENTAL SERVICES, INC.

Figure 4-B
2nd Quarter 2006 BTEX Concentration Map
June 15, 2006
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00	CK:	DATE: 3/07

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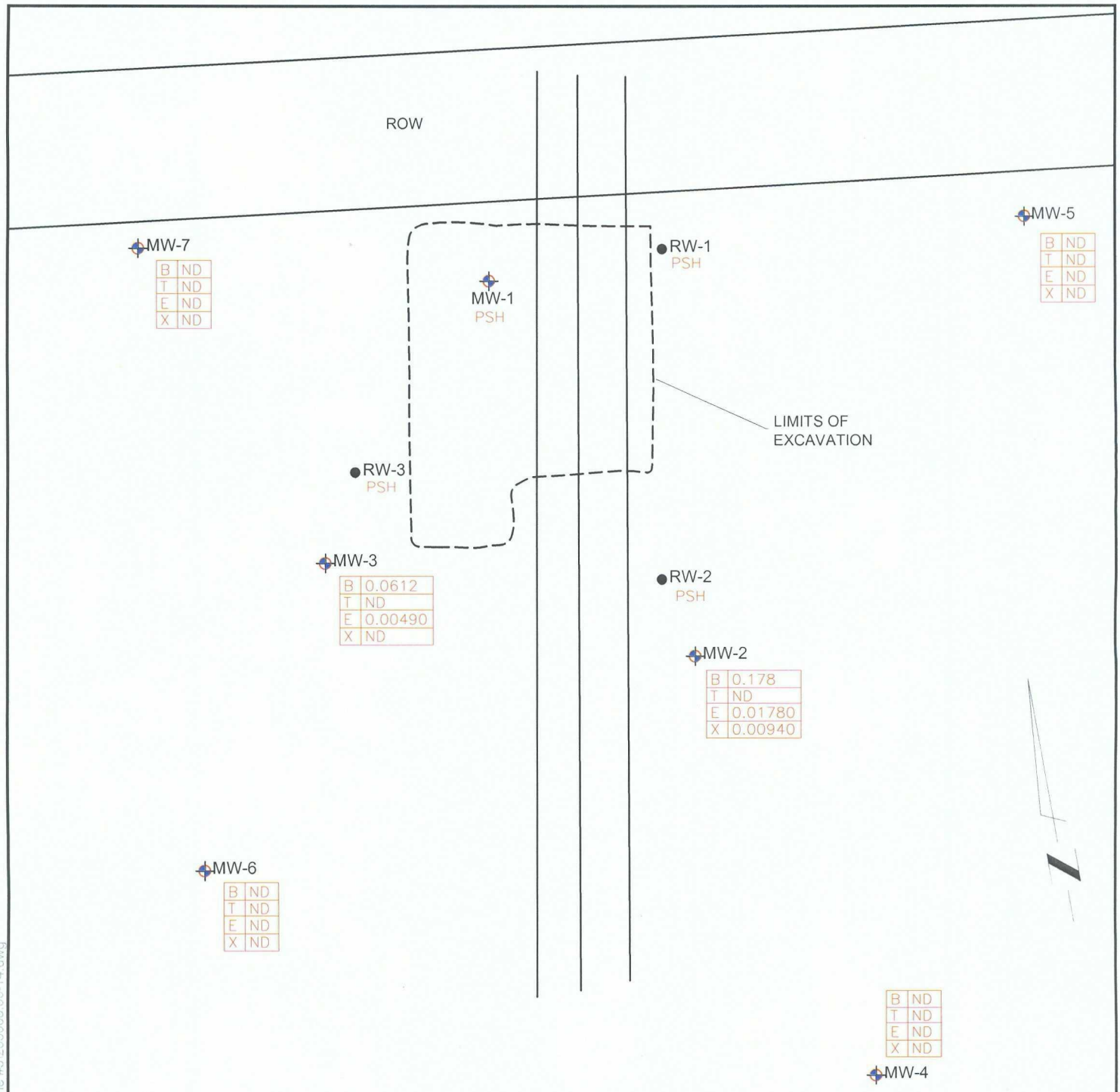

LEGEND:

- RW-1 -RECOVERY WELL LOCATION
- MW-1 -MONITORING WELL LOCATION

Note: All concentration in mg/L.
PSH= PSH present and well not sampled.

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APPROXIMATE SCALE

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 4-C
3rd Quarter 2006 BTEX Concentration Map
September 12, 2006
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00	CK:	DATE: 3/07

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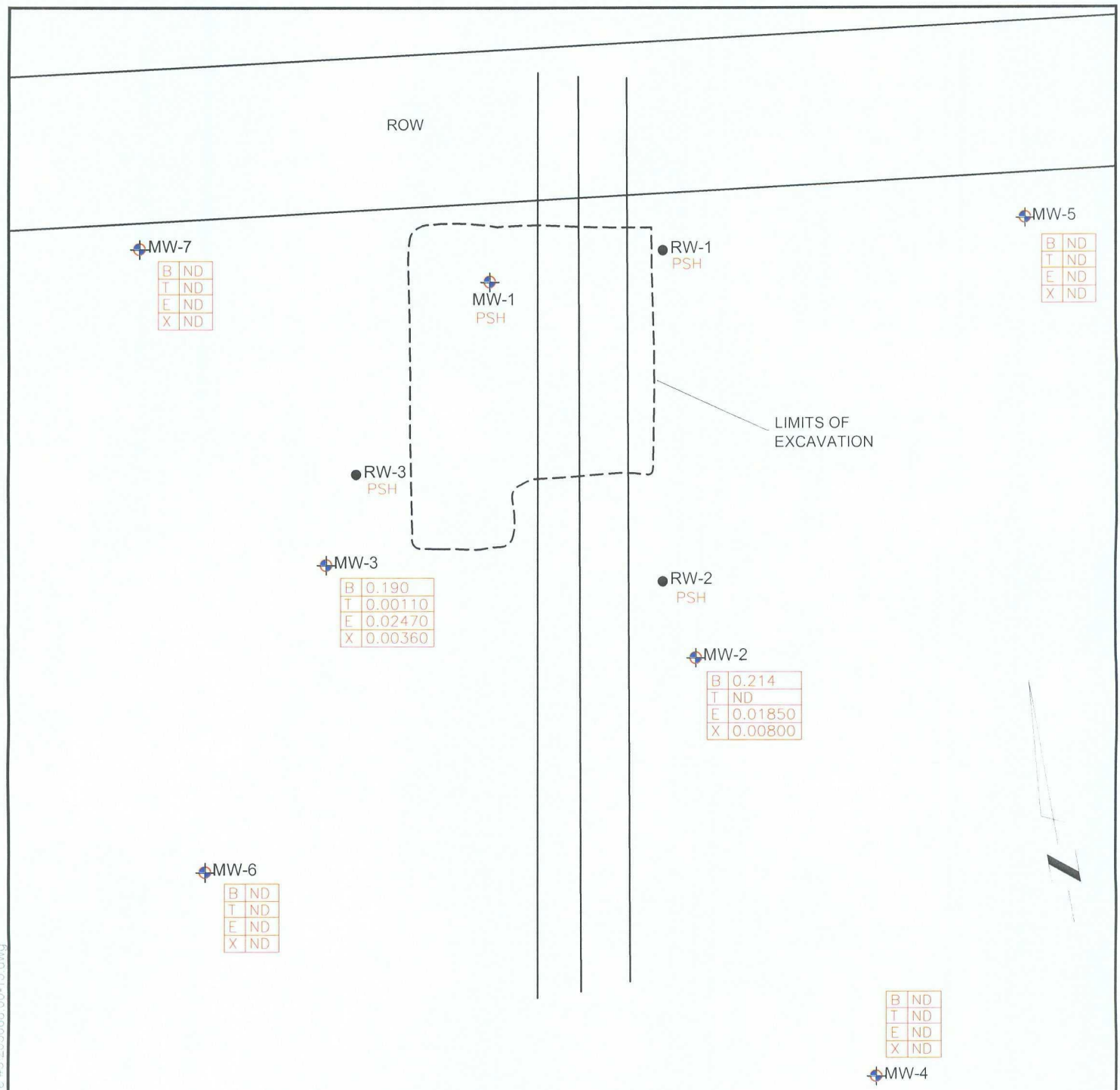

LEGEND:

- RW-1 -RECOVERY WELL LOCATION
- MW-1 -MONITORING WELL LOCATION

Note: All concentration in mg/L.
PSH= PSH present and well not sampled.

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APPROXIMATE SCALE

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 4-D
4th Quarter 2006 BTEX Concentration Map
December 6, 2006
Plains Marketing L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00	CK:	DATE: 3/07

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Appendix B
Tables

Table 1 - 2006 Groundwater Gauging Data

Table 2 - 2006 Groundwater Analytical Results

Table 1
2006
Groundwater Gauging Data
Vacuum to Jal 14" Mainline #3
Lea County, New Mexico
Plains Marketing, L.P.
SRS No.: 2003-00117

Well No.	Date Measured	TOC Elevation	Depth of Well	Depth to PSH	Depth to Water	PSH Thickness	Recovery Method	PSH Recovered (gallons)	Corrected Groundwater Elevation	Well volume Removed
MW-1	01/05/06	3362.64		41.03	41.05	0.02	new sock		3321.61	
	02/09/06	3362.64		40.87	40.88	0.01	new sock		3321.77	
	02/22/06	3362.64		40.77	40.78	0.01	flip sock		3321.87	
	03/28/06	3362.64		41.23	41.23	0.00			3321.41	
	04/13/06	3362.64		41.40	41.40	0.00	new sock		3321.24	
	04/25/06	3362.64		41.30	41.30	0.00	flip sock		3321.34	
	05/11/06	3362.64		41.55	41.55	0.00	new sock		3321.09	
	05/24/06	3362.64		41.20	41.20	0.00	new sock		3321.44	
	06/07/06	3362.64		41.77	41.77	0.00	new sock	0	3320.87	Purged 5 gal
	06/07/06	3362.64		41.63	41.63	0.00	new sock		3321.01	
	06/15/06	3362.64		41.50	41.50	0.00	new sock		3321.14	
	06/29/06	3362.64		41.73	42.18	0.45	new sock		3320.84	
	06/29/06	3362.64		41.95	41.97	0.02	new sock		3320.69	
	07/11/06	3362.64		41.82	42.03	0.21	flip sock		3320.79	
	07/25/06	3362.64		42.41	42.60	0.19	new sock		3320.20	
	08/09/06	3362.64	48.75	41.95	42.76	0.81			3320.57	
	08/09/06	3362.64		45.50	45.50	0.00	flip sock		3317.14	
	08/22/06	3362.64				0.00			3362.64	Unable to gauge
	09/12/06	3362.64	48.93	41.92	43.92	2.00	Remove Sock		3320.42	
	09/19/06	3362.64		41.45	43.35	1.90		PSH 3 / H2O 7	3320.91	
	09/19/06	3362.64		46.50	46.55	0.05			3316.13	
	10/03/06	3362.64		41.52	42.53	1.01	No Sock	PSH 1.5 / H2O 7 (DRY)	3320.97	
	10/03/06	3362.64		48.35	48.37	0.02			3314.29	
	10/17/06	3362.64		48.43	49.43	1.00	No Sock	PSH 1.5 / H2O 3.5	3314.06	
	10/17/06	3362.64		54.20	54.21	0.01			3308.44	
	10/31/06	3362.64		48.48	49.56	1.08	No Sock	PSH 1.5 / H2O 3.5	3314.00	
	10/31/06	3362.64		51.77	51.85	0.08			3310.86	
	11/15/06	3362.64		48.50	49.51	1.01			3313.99	
	11/15/06	3362.64		51.40	51.55	0.15		PSH 1/ H2O 9	3311.22	
	12/06/06	3362.64		48.35	49.62	1.27		PSH 1/ H2O 9	3314.10	
	12/13/06	3362.64		48.32	49.68	1.36		PSH 1.5 / H2O 3.5	3314.12	
	12/13/06	3362.64		52.09	52.11	0.02			3310.55	
	12/27/06	3362.64		48.25	49.11	0.86	No Sock	PSH 1 / H2O 4	3314.26	
	12/27/06	3362.64		52.28	52.31	0.03			3310.36	
MW-2	01/05/06	3367.00			45.76	0.00			3321.24	
	02/09/06	3367.00			45.58	0.00			3321.42	
	02/22/06	3367.00			45.48	0.00			3321.52	
	03/28/06	3367.00	56.38		45.68	0.00			3321.32	
	04/13/06	3367.00			45.77	0.00			3321.23	
	04/25/06	3367.00			45.83	0.00			3321.17	
	05/11/06	3367.00			45.83	0.00			3321.17	
	05/24/06	3367.00			45.95	0.00			3321.05	
	06/07/06	3367.00			46.04	0.00			3320.96	
	06/15/06	3367.00			45.95	0.00			3321.05	
	06/29/06	3367.00			46.23	0.00			3320.77	
	07/11/06	3367.00			46.22	0.00			3320.78	
	07/25/06	3367.00			46.32	0.00			3320.68	
	08/09/06	3367.00	55.93		46.37	0.00			3320.63	
	08/22/06	3367.00			46.48	0.00			3320.52	
	09/12/06	3367.00	56		46.42	0.00			3320.58	
	09/19/06	3367.00			46.35	0.00			3320.65	
	10/03/06	3367.00			46.30	0.00			3320.70	
	10/17/06	3367.00			46.25	0.00			3320.75	
	11/15/06	3367.00			46.30	0.00			3320.70	
	12/06/06	3367.00	55.82		46.15	0.00			3320.85	
	12/13/06	3367.00			46.21	0.00			3320.79	
	12/27/06	3367.00			46.44	0.00			3320.56	

Table 1
2006
Groundwater Gauging Data
Vacuum to Jal 14" Mainline #3
Lea County, New Mexico
Plains Marketing, L.P.
SRS No.: 2003-00117

Well No.	Date Measured	TOC Elevation	Depth of Well	Depth to PSH	Depth to Water	PSH Thickness	Recovery Method	PSH Recovered (gallons)	Corrected Groundwater Elevation	Well volume Removed
MW-3	01/05/06	3369.1			47.50	0.00			3321.60	
	02/09/06	3369.1			47.33	0.00			3321.77	
	02/22/06	3369.1			47.24	0.00			3321.86	
	02/28/06	3369.1	55.95		47.41	0.00			3321.69	
	03/28/06	3369.1	55.95		47.41	0.00			3321.69	
	04/13/06	3369.1			47.53	0.00			3321.57	
	04/25/06	3369.1			47.64	0.00			3321.46	
	05/11/06	3369.1			47.69	0.00			3321.41	
	05/24/06	3369.1			47.72	0.00			3321.38	
	06/07/06	3369.1			47.83	0.00			3321.27	
	06/15/06	3369.1			47.76	0.00			3321.34	
	06/29/06	3369.1			48.02	0.00			3321.08	
	07/11/06	3369.1			48.02	0.00			3321.08	
	07/25/06	3369.1			48.11	0.00			3320.99	
	08/09/06	3369.1	55.67		48.17	0.00			3320.93	
	08/22/06	3369.1			48.28	0.00			3320.82	
	09/12/06	3369.1	55.58		48.46	0.00			3320.64	
	09/19/06	3369.1			48.20	0.00			3320.90	
	10/03/06	3369.1			48.16	0.00			3320.94	
	10/17/06	3369.1			48.07	0.00			3321.03	
	10/31/06	3369.1			48.11	0.00			3320.99	
	11/15/06	3369.1			48.09	0.00			3321.01	
	12/06/06	3369.1	55.52		47.94	0.00			3321.16	
	12/13/06	3369.1			47.98	0.00			3321.12	
	12/27/06	3369.1			47.75	0.00			3321.35	
MW-4	01/05/06	3365.12			44.02	0.00			3321.10	
	02/09/06	3365.12			43.82	0.00			3321.30	
	02/22/06	3365.12			43.80	0.00			3321.32	
	03/28/06	3365.12	59.43		43.91	0.00			3321.21	
	04/13/06	3365.12			44.02	0.00			3321.10	
	04/25/06	3365.12			44.13	0.00			3320.99	
	05/11/06	3365.12			44.20	0.00			3320.92	
	05/24/06	3365.12			44.21	0.00			3320.91	
	06/07/06	3365.12			44.35	0.00			3320.77	
	06/15/06	3365.12			44.23	0.00			3320.89	
	06/29/06	3365.12			44.48	0.00			3320.64	
	07/11/06	3365.12			44.49	0.00			3320.63	
	07/25/06	3365.12			44.53	0.00			3320.59	
	08/09/06	3365.12	59.5		44.66	0.00			3320.46	
	08/22/06	3365.12			44.75	0.00			3320.37	
	09/12/06	3365.12	59.46		44.66	0.00			3320.46	
	09/19/06	3365.12			44.60	0.00			3320.52	
	10/03/06	3365.12			44.55	0.00			3320.57	
	10/17/06	3365.12			44.48	0.00			3320.64	
	10/31/06	3365.12			44.53	0.00			3320.59	
	11/15/06	3365.12			44.53	0.00			3320.59	
	12/06/06	3365.12	59.42		44.32	0.00			3320.8	
	12/13/06	3365.12			44.37	0.00			3320.75	
	12/27/06	3365.12			44.18	0.00			3320.94	
MW-5	01/05/06	3364.74			43.36	0.00			3321.38	
	02/08/06	3364.74			43.13	0.00			3321.61	
	02/22/06	3364.74			43.12	0.00			3321.62	
	03/28/06	3364.74	53.6		43.25	0.00			3321.49	
	04/13/06	3364.74			43.40	0.00			3321.34	
	04/25/06	3364.74			43.50	0.00			3321.24	
	05/11/06	3364.74			43.58	0.00			3321.16	
	05/24/06	3364.74			43.87	0.00			3320.87	
	06/07/06	3364.74			43.68	0.00			3321.06	
	06/15/06	3364.74			43.61	0.00			3321.13	
	06/29/06	3364.74			43.86	0.00			3320.88	
	07/11/06	3364.74			43.87	0.00			3320.87	
	07/25/06	3364.74			43.95	0.00			3320.79	
	08/09/06	3364.74	53.44		44.04	0.00			3320.7	
	08/22/06	3364.74			44.13	0.00			3320.61	
	09/12/06	3364.74	53.37		44.10	0.00			3320.64	
	09/19/06	3364.74			44.00	0.00			3320.74	
	10/03/06	3364.74			43.98	0.00			3320.76	
	10/17/06	3364.74			43.93	0.00			3320.81	
	10/31/06	3364.74			43.95	0.00			3320.79	
	11/15/06	3364.74			43.99	0.00			3320.75	
	12/06/06	3364.74	53.35		43.85	0.00			3320.89	
	12/13/06	3364.74			43.88	0.00			3320.86	
	12/27/06	3364.74			43.65	0.00			3321.09	

Table 1
2006
Groundwater Gauging Data
Vacuum to Jal 14" Mainline #3
Lea County, New Mexico
Plains Marketing, L.P.
SRS No.: 2003-00117

Well No.	Date Measured	TOC Elevation	Depth of Well	Depth to PSH	Depth to Water	PSH Thickness	Recovery Method	PSH Recovered (gallons)	Corrected Groundwater Elevation	Well volume Removed
MW-6	01/05/06	3368.96			47.40	0.00			3321.56	
	02/09/06	3368.96			47.15	0.00			3321.81	
	02/22/06	3368.96			47.12	0.00			3321.84	
	03/28/06	3368.96	59.45		47.35	0.00			3321.61	
	04/13/06	3368.96			47.42	0.00			3321.54	
	04/25/06	3368.96			47.50	0.00			3321.46	
	05/11/06	3368.96			47.57	0.00			3321.39	
	05/24/06	3368.96			47.57	0.00			3321.39	
	06/07/06	3368.96			47.72	0.00			3321.24	
	06/15/06	3368.96			47.63	0.00			3321.33	
	06/29/06	3368.96			47.89	0.00			3321.07	
	07/11/06	3368.96			47.90	0.00			3321.06	
	07/25/06	3368.96			47.97	0.00			3320.99	
	08/09/06	3368.96	59.49		48.02	0.00			3320.94	
	08/22/06	3368.96			48.15	0.00			3320.81	
	09/12/06	3368.96	59.43		48.07	0.00			3320.89	
	09/19/06	3368.96			48.07	0.00			3320.89	
	10/03/06	3368.96			48.03	0.00			3320.93	
	10/17/06	3368.96			47.90	0.00			3321.06	
	10/30/06	3368.96			47.95	0.00			3321.01	
	11/15/06	3368.96			47.96	0.00			3321	
	12/06/06	3368.96	59.39		47.81	0.00			3321.15	
	12/13/06	3368.96			47.88	0.00			3321.08	
	12/27/06	3368.96			47.63	0.00			3321.33	
MW-7	01/05/06	3370.25			48.31	0.00			3321.94	
	02/09/06	3370.25			48.09	0.00			3322.16	
	02/22/06	3370.25			48.06	0.00			3322.19	
	03/28/06	3370.25	58.77		48.25	0.00			3322.00	
	04/13/06	3370.25			48.38	0.00			3321.87	
	04/25/06	3370.25			48.48	0.00			3321.77	
	05/11/06	3370.25			48.53	0.00			3321.72	
	05/24/06	3370.25			48.55	0.00			3321.7	
	06/07/06	3370.25			48.68	0.00			3321.57	
	06/15/06	3370.25			48.60	0.00			3321.65	
	06/29/06	3370.25			48.86	0.00			3321.39	
	07/11/06	3370.25			48.86	0.00			3321.39	
	07/25/06	3370.25			48.97	0.00			3321.28	
	8-90-6	3370.25	58.78		49.04	0.00			3321.21	
	08/22/06	3370.25			49.13	0.00			3321.12	
	09/12/06	3370.25	58.73		49.14	0.00			3321.11	
	09/19/06	3370.25			49.05	0.00			3321.2	
	10/03/06	3370.25			49.03	0.00			3321.22	
	10/17/06	3370.25			48.92	0.00			3321.33	
	10/31/06	3370.25			48.95	0.00			3321.3	
	11/15/06	3370.25			48.96	0.00			3321.29	
	12/06/06	3370.25	58.72		48.80	0.00			3321.45	
	12/13/06	3370.25			48.85	0.00			3321.4	
	12/27/06	3370.25			48.60	0.00			3321.65	
RW-1	01/05/06	3368.12		46.60	46.60	0.00	sock		3321.52	
	02/09/06	3368.12		46.35	46.35	0.00	sock		3321.77	
	02/22/06	3368.12		46.30	46.30	0.00	sock		3321.82	
	03/28/06	3368.12	Lt Sheen	46.42	46.42	0.00	sock		3321.70	
	04/13/06	3368.12	Sheen	46.60	46.60	0.00	sock		3321.52	
	04/25/06	3368.12	Sheen	46.78	46.78	0.00	sock		3321.34	
	05/11/06	3368.12	Sheen	46.82	46.82	0.00	sock		3321.3	
	05/24/06	3368.12	Sheen	46.80	46.80	0.00	sock		3321.32	
	06/07/06	3368.12	Sheen	46.91	46.91	0.00	sock	0	3321.21	Purged 5 gal
	06/07/06	3368.12	Sheen	47.10	47.10	0.00	sock		3321.02	
	06/15/06	3368.12	Sheen	46.96	46.96	0.00	sock		3321.16	
	06/29/06	3368.12	Light	47.26	47.26	0.00	sock		3320.86	
	07/11/06	3368.12	Light	47.17	47.22	0.05	sock		3320.94	
	07/25/06	3368.12	Light	47.43	47.60	0.17	sock		3320.66	
	08/09/06	3368.12	58.48	47.02	48.96	1.94	flip sock	Bail 10 Gal	3320.81	
	08/09/06	3368.12		48.33	48.43	0.10			3319.78	
	08/09/06	3368.12		47.20	47.60	0.40	2 hours later		3320.86	
	08/22/06	3368.12		47.30	48.77	1.47	new sock	PSH 2.5 / H20 7.5	3320.60	
	08/22/06	3368.12		48.20	48.25	0.05			3319.91	
	09/12/06	3368.12	58.52	47.10	48.82	1.72	Remove Sock		3320.76	
	09/19/06	3368.12		46.86	49.54	2.68		PSH 5 / H2O 5	3320.86	
	09/19/06	3368.12		48.53	48.60	0.07			3319.58	
	10/03/06	3368.12		46.80	49.42	2.62	No Sock	PSH 4.5 / H2O 5.5	3320.93	
	10/03/06	3368.12		47.70	47.74	0.04			3320.41	
	10/17/06	3368.12		46.70	49.45	2.75	No Sock	PSH 3.5 / H2O 1.5	3321.01	
	10/17/06	3368.12		47.52	47.58	0.06			3320.59	
	10/31/06	3368.12		46.75	49.63	2.88	No Sock	PSH 3.5 / H2O 1.5	3320.94	
	10/31/06	3368.12		47.88	47.99	0.11			3320.22	
	11/15/06	3368.12		47.88	47.99	0.11		PSH 3 H2o 7	3320.22	
	11/15/06	3368.12		48.33	48.51	0.18			3319.76	
	12/06/06	3368.12		46.64	49.41	2.77	No Sock		3321.06	
	12/13/06	3368.12		46.59	49.50	2.91	No Sock	PSH 3.5 / H2O 1.5	3321.09	
	12/13/06	3368.12		47.10	47.12	0.02			3321.02	
	12/27/06	3368.12		46.21	48.33	2.12	No Sock	PSH 3.5 / H2O 1.5	3321.59	
	12/27/06	3368.12		47.20	47.25	0.05			3320.91	

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SRS No.: 2003-00117

Well No.	Date Measured	TOC Elevation	Depth of Well	Depth to PSH	Depth to Water	PSH Thickness	Recovery Method	PSH Recovered (gallons)	Corrected Groundwater Elevation	Well volume Removed
RW-2	01/05/06	3368.32		46.94	46.94	0.00	sock		3321.38	
	02/09/06	3368.32		46.71	46.71	0.00	sock		3321.61	
	02/22/06	3368.32		46.68	46.68	0.00	sock		3321.64	
	03/28/06	3368.32	Sheen	46.45	46.45	0.00	sock		3321.87	
	04/13/06	3368.32	Sheen	46.93	46.93	0.00	sock		3321.39	
	04/25/06	3398.32	Sheen	47.12	47.12	0.00	sock		3351.20	
	05/11/06	3398.32	Sheen	47.13	47.13	0.00	sock		3351.19	
	05/24/06	3398.32	Sheen	47.12	47.12	0.00	sock		3351.20	
	06/07/06	3398.32	Sheen	47.00	47.00	0.00	sock	0	3351.32	Purged 5 gal
	06/07/06	3398.32	Sheen	47.38	47.38	0.00	sock		3350.94	
	06/15/06	3398.32	Sheen	47.23	47.23	0.00	sock		3351.09	
	06/29/06	3398.32	Light	47.55	47.55	0.00	sock		3350.77	
	07/11/06	3398.32	Light	47.56	47.56	0.00	sock		3350.76	
	07/25/06	3398.32	Light	47.55	47.55	0.00	sock		3350.77	
	08/09/06	3398.32	59	47.78	47.78	0.00	sock		3350.54	
	08/22/06	3398.32		47.81	47.81	0.00	new sock	PSH 0 / H2O 10	3350.51	
	08/22/06	3398.32		47.90	47.90	0.00			3350.42	
	09/12/06	3398.32	58.8	47.79	47.79	0.00	new sock		3350.53	
	09/19/06	3398.32		47.62	47.62	0.00		Light Sheen	3350.70	
	10/03/06	3398.32		47.56	47.56	0.00	sock	PSH Sheen / H2O 10	3350.76	
	10/03/06	3398.32		48.60	48.60	0.00			3349.72	
	10/17/06	3398.32		47.45	47.45	0.00	sock	PSH Sheen / H2O 5	3350.87	
	10/17/06	3398.32		48.18	48.18	0.00			3350.14	
	10/31/06	3398.32		47.53	47.53	0.00	sock	PSH Sheen / H2O 5	3350.79	
	10/31/06	3398.32		48.40	48.40	0.00			3349.92	
	11/15/06	3398.32		47.55	47.55	0.00			3350.77	
	12/06/06	3398.32		47.40	47.40	0.00	sock		3350.92	
	12/13/06	3398.32		47.44	47.44	0.00	sock	PSH Sheen / H2O 5	3350.88	
	12/13/06	3398.32		48.52	48.52	0.00			3349.80	
	12/27/06	3398.32		47.20	47.20	0.00	sock		3351.12	
RW-3	01/05/06	3369.05		47.43	47.43	0.00	sock		3321.62	
	02/09/06	3369.05		47.16	47.16	0.00	sock		3321.89	
	02/22/06	3369.05		47.15	47.15	0.00	sock		3321.90	
	03/28/06	3369.05	Hvy Sheen	47.41	47.41	0.00	sock		3321.64	
	04/13/06	3369.05	Sheen	47.44	47.44	0.00	sock		3321.61	
	04/25/06	3369.05	Sheen	47.62	47.62	0.00	sock		3321.43	
	5/11/006	3369.05	Sheen	47.61	47.61	0.00	sock		3321.44	
	05/24/06	3369.05	Sheen	47.64	47.64	0.00	sock		3321.41	
	06/07/06	3369.05	Sheen	47.75	47.75	0.00	sock	0	3321 3	Purged 5 gal
	06/07/06	3369.05	Sheen	47.90	47.90	0.00	sock		3321.15	
	06/15/06	3369.05	Sheen	47.69	47.69	0.00	sock		3321.36	
	06/29/06	3369.05	Light	47.97	47.97	0.00	sock		3321.08	
	07/11/06	3369.05	Light	47.98	47.98	0.00	sock		3321.07	
	07/25/06	3369.05	Light	48.04	48.04	0.00	sock		3321.01	
	08/09/06	3369.05	59.63	48.21	48.21	0.00	sock		3320.84	
	08/22/06	3369.05	Light	48.30	48.30	0.00	new sock	PSH 0 / H2O 10	3320.75	
	08/22/06	3369.05		48.27	48.27	0.00			3320.78	
	09/12/06	3369.05	59.61	48.12	48.12	0.00	sock		3320.93	
	09/19/06	3369.05		48.16	48.16	0.00	sock	PSH Trace / H2O 10	3320.89	
	09/19/06	3369.05		48.60	48.60	0.00			3320.45	
	10/03/06	3369.05		48.14	48.14	0.00	sock	PSH Sheen / H2O 10	3320.91	
	10/03/06	3369.05		48.75	48.75	0.00			3320.3	
	10/17/06	3369.05		48.02	48.02	0.00	sock	PSH Sheen / H2O 5	3321.03	
	10/17/06	3369.05		48.91	48.91	0.00			3320.14	
	10/31/06	3369.05		48.12	48.12	0.00	sock	PSH Sheen / H2O 5	3320.93	
	10/31/06	3369.05		48.42	48.42	0.00			3320.63	
	11/15/06	3369.05		48.12	48.12	0.00			3320.93	
	12/06/06	3369.05		48.07	48.07	0.00	new sock		3320.98	
	12/13/06	3369.05		48.11	48.11	0.00	sock	PSH Sheen / H2O 5	3320.94	
	12/13/06	3369.05		48.19	48.19	0.00			3320.86	
	12/27/006	3369.05		48.00	48.00	0.00	sock		3321.05	

TABLE 2
2006 Groundwater Analytical Results

Plains Marketing, L.P.
SRS # 2003-00117
Vacuum to Jal Mainline #3
Lea County, New Mexico

SAMPLE LOCATION	SAMPLE DATE	SAMPLE I.D.	SW 846-8021B			
			BENZENE mg/L	TOLUENE mg/L	ETHYL-BENZENE mg/L	Total XYLENES mg/L
			NMOCD Remediation Criteria			
			0.010	0.750	0.750	0.620
MW-2	03/28/06	T13037-1	**0.243**[a]	0.00750	0.04570	0.09390
MW-2	06/15/06	T13863-1	**0.333**	0.0033 J	0.01960	0.01040
MW-2	09/12/06	T14672-1	**0.178**	<0.00020	0.01780	0.00940
MW-2	12/06/06	T15622-1	**0.214**[a]	<0.00020	0.01850	0.00800
MW-3	03/28/06	T13037-2	**0.501**[a]	0.07580	0.05180	0.06270
MW-3	06/15/06	T13863-2	**0.432**	<0.0018	0.06030	0.04530
MW-3	09/12/06	T14672-2	**0.0612**	<0.00020	0.00490	<0.00036
MW-3	12/06/06	T15622-2	**0.190**[a]	0.00110	0.02470	0.00360
MW-4	03/28/06	T13037-3	<0.00038	<0.00036	<0.00035	<0.00072
MW-4	06/15/06	T13863-3	<0.00038	<0.00036	<0.00035	<0.00072
MW-4	09/12/06	T14672-3	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	12/06/06	T15622-3	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	03/28/06	T13037-4	<0.00038	<0.00036	<0.00035	<0.00072
MW-5	06/15/06	T13863-4	<0.00038	<0.00036	<0.00035	<0.00072
MW-5	09/12/06	T14672-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	12/06/06	T15622-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	03/28/06	T13037-5	<0.00038	<0.00036	<0.00035	<0.00072
MW-6	06/15/06	T13863-5	<0.00038	<0.00036	<0.00035	<0.00072
MW-6	09/12/06	T14672-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	12/06/06	T15622-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-7	03/28/06	T13037-6	<0.00038	<0.00036	<0.00035	<0.00072
MW-7	06/15/06	T13863-6	<0.00038	<0.00036	<0.00035	<0.00072
MW-7	09/12/06	T14672-6	<0.00035	<0.00020	<0.00033	<0.00036
MW-7	12/06/06	T15622-6	<0.00035	<0.00020	<0.00033	<0.00036

< = Not Detected
J = Indicates an estimated value
Concentration in **Bold** = above NMOCD Remediation Criteria
0.243[a] = results from run 2 with a laboratory dilution factor

Appendix C
Analytical Reports

1st Quarter 2006 T13037
2nd Quarter 2006 T13863
3rd Quarter 2006 T14672
4th Quarter 2006 T15622

Gulf Coast ACCUTEST Laboratories

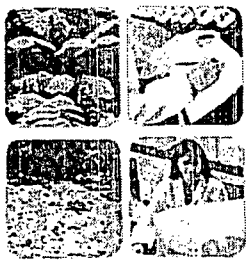
IT'S ALL IN THE CHEMISTRY

07/12/06

Technical Report for

Premier Environmental Services

Vacuum to Jal Mainline #3/205068/2003-00117



Accutest Job Number: T13037

Sampling Date: 03/28/06

Report to:

Premier Environmental Services

cpatel@premiercorp-usa.com

ATTN: Chan Patel

Total number of pages in report: 18

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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 appl cable.

Ron Martino
Laboratory Manager

Sections: 1 2 3 4

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Sample Summary

Premier Environmental Services

Job No: T13037

Vacuum to Jal Mainline #3/205068/2003-00117

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T13037-1	03/28/06	15:40	SAD	03/30/06	AQ	Ground Water	MW 2
T13037-2	03/28/06	15:45	SAD	03/30/06	AQ	Ground Water	MW 3
T13037-3	03/28/06	15:30	SAD	03/30/06	AQ	Ground Water	MW 4
T13037-4	03/28/06	16:00	SAD	03/30/06	AQ	Ground Water	MW 5
T13037-5	03/28/06	15:50	SAD	03/30/06	AQ	Ground Water	MW 6
T13037-6	03/28/06	15:55	SAD	03/30/06	AQ	Ground Water	MW 7
T13037-7	03/28/06	00:00	SAD	03/30/06	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW 2		
Lab Sample ID:	T13037-1	Date Sampled:	03/28/06
Matrix:	AQ - Ground Water	Date Received:	03/30/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK12102.D	1	04/05/06	JH	n/a	n/a	GKK773
Run #2	KK12122.D	5	04/05/06	JH	n/a	n/a	GKK773

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	243 [a]	5.0	1.9	ug/l	
108-88-3	Toluene	7.5	1.0	0.36	ug/l	
100-41-4	Ethylbenzene	45.7	1.0	0.35	ug/l	
1330-20-7	Xylenes (total)	93.9	2.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%	97%	56-136%
98-08-8	aaa-Trifluorotoluene	102%	78%	50-144%

(a) Result is from Run# 2

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:	MW 3		
Lab Sample ID:	T13037-2	Date Sampled:	03/28/06
Matrix:	AQ - Ground Water	Date Received:	03/30/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK12092.D	1	04/05/06	JH	n/a	n/a	GKK773
Run #2	KK12123.D	10	04/05/06	JH	n/a	n/a	GKK773

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	501 [a]	10	3.8	ug/l	
108-88-3	Toluene	75.8	1.0	0.36	ug/l	
100-41-4	Ethylbenzene	51.8	1.0	0.35	ug/l	
1330-20-7	Xylenes (total)	62.7	2.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%	92%	56-136%
98-08-8	aaa-Trifluorotoluene	103%	80%	50-144%

(a) Result is from Run# 2

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:	MW 4		
Lab Sample ID:	T13037-3	Date Sampled:	03/28/06
Matrix:	AQ - Ground Water	Date Received:	03/30/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK12091.D	1	04/05/06	JH	n/a	n/a	GKK773
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	82%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		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

Report of Analysis

Client Sample ID:	MW 5		
Lab Sample ID:	T13037-4	Date Sampled:	03/28/06
Matrix:	AQ - Ground Water	Date Received:	03/30/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK12090.D	1	04/05/06	JH	n/a	n/a	GKK773
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	86%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		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

Report of Analysis

Client Sample ID:	MW 6		
Lab Sample ID:	T13037-5	Date Sampled:	03/28/06
Matrix:	AQ - Ground Water	Date Received:	03/30/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK12089.D	1	04/05/06	JH	n/a	n/a	GKK773
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	83%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		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

Report of Analysis

Client Sample ID:	MW 7		
Lab Sample ID:	T13037-6	Date Sampled:	03/28/06
Matrix:	AQ - Ground Water	Date Received:	03/30/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK12088.D	1	04/05/06	JH	n/a	n/a	GKK773
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	82%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T13037-7	Date Sampled:	03/28/06
Matrix:	AQ - Trip Blank Water	Date Received:	03/30/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK12087.D	1	04/05/06	JH	n/a	n/a	GKK773
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	82%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		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

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

FED-EX Tracking # 856809110306 | Bottle Order Control #
Accutest Quote # | Accutest Job # T13037

Client / Reporting Information

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

Project Information

Project Name / No.: Vacuum to Jal #3/205068
Bill to: | 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	H2SO4	NaOH	ZnAcO/NaOH	HNO3	None	BTEX (8021)	LAB USE ONLY
1	MW 2	3-28	1540	GW	3	X							X	
2	MW 3		1545											
3	MW 4		1530											
4	MW 5		1600											
5	MW 6		1550											
6	MW 7		1555											
7	TRIP BLANK													

Turnaround Time (Business days) | Data Deliverable Information | Comments / Remarks

- [ ] 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

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

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

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 SHANE A. DILLER		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		5		☐	X / 5

T13037: Chain of Custody
Page 1 of 2

ACCUTEST.

SAMPLE RECEIPT LOG

JOB #: T13037 DATE/TIME RECEIVED: 3/30/6 1000

CLIENT: Premier INITIALS: RM

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
1-6	1-3	3/29/6	AQ	VOA	VREF	1,(2),3,4,5,6	U, (<2), >12, NA
7	1-2	/	|	|	✓	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

RM 3/30/6

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#: 8518 0940 3[illegible]

COOLER TEMP: 3 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

T13037: Chain of Custody

Page 2 of 2

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: T13037
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK773-MB	KK12083.D	1	04/04/06	JH	n/a	n/a	GKK773

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

T13037-1, T13037-2, T13037-3, T13037-4, T13037-5, T13037-6, T13037-7

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	91%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	50-144%

Blank Spike Summary

Job Number: T13037
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK773-BS	KK12084.D	1	04/04/06	JH	n/a	n/a	GKK773

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

T13037-1, T13037-2, T13037-3, T13037-4, T13037-5, T13037-6, T13037-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	21.2	106	72-125
100-41-4	Ethylbenzene	20	21.4	107	76-125
108-88-3	Toluene	20	21.0	105	74-125
1330-20-7	Xylenes (total)	60	64.2	107	78-124

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	102%	56-136%
98-08-8	aaa-Trifluorotoluene	104%	50-144%

4.2.4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T13037
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T13037-1MS	KK12103.D	1	04/05/06	JH	n/a	n/a	GKK773
T13037-1MSD	KK12104.D	1	04/05/06	JH	n/a	n/a	GKK773
T13037-1	KK12102.D	1	04/05/06	JH	n/a	n/a	GKK773
T13037-1	KK12122.D	5	04/05/06	JH	n/a	n/a	GKK773

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

T13037-1, T13037-2, T13037-3, T13037-4, T13037-5, T13037-6, T13037-7

CAS No.	Compound	T13037-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	243 [b]		20	288	225* [a]	305	310* [a]	6	45-137/21
100-41-4	Ethylbenzene	45.7		20	64.5	94	68.1	112	5	68-126/15
108-88-3	Toluene	7.5		20	27.9	102	28.2	104	1	63-130/22
1330-20-7	Xylenes (total)	93.9		60	151	95	157	105	4	72-125/19

CAS No.	Surrogate Recoveries	MS	MSD	T13037-1	T13037-1	Limits
460-00-4	4-Bromofluorobenzene	112%	113%	99%	97%	56-136%
98-08-8	aaa-Trifluorotoluene	112%	123%	102%	78%	50-144%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Result is from Run #2.

Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

07/12/06

Technical Report for

Premier Environmental Services

Vacuum to Jal Mainline #3/205068/2003-00117

Accutest Job Number: T13863

Sampling Date: 06/15/06

Report to:

Premier Environmental Services

cpatel@premiercorp-usa.com

ATTN: Chan Patel

Total number of pages in report: 17

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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: 1 2 3 4

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Sample Summary

Premier Environmental Services

Job No: T13863

Vacuum to Jal Mainline #3/205068/2003-00117

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T13863-1	06/15/06	16:45	SD	06/17/06	AQ	Ground Water	MW 2
T13863-2	06/15/06	16:40	SD	06/17/06	AQ	Ground Water	MW 3
T13863-3	06/15/06	16:35	SD	06/17/06	AQ	Ground Water	MW 4
T13863-4	06/15/06	16:55	SD	06/17/06	AQ	Ground Water	MW 5
T13863-5	06/15/06	16:50	SD	06/17/06	AQ	Ground Water	MW 6
T13863-6	06/15/06	17:00	SD	06/17/06	AQ	Ground Water	MW 7
T13863-7	06/15/06	00:00	SD	06/17/06	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW 2		
Lab Sample ID:	T13863-1	Date Sampled:	06/15/06
Matrix:	AQ - Ground Water	Date Received:	06/17/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK13814.D	5	06/22/06	JH	n/a	n/a	GKK836
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	333	5.0	1.9	ug/l	
108-88-3	Toluene	3.3	5.0	1.8	ug/l	J
100-41-4	Ethylbenzene	19.6	5.0	1.8	ug/l	
1330-20-7	Xylenes (total)	10.4	10	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		56-136%
98-08-8	aaa-Trifluorotoluene	115%		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

Report of Analysis

Client Sample ID:	MW 3		
Lab Sample ID:	T13863-2	Date Sampled:	06/15/06
Matrix:	AQ - Ground Water	Date Received:	06/17/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK13815.D	5	06/22/06	JH	n/a	n/a	GKK836
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	432	5.0	1.9	ug/l	
108-88-3	Toluene	ND	5.0	1.8	ug/l	
100-41-4	Ethylbenzene	60.3	5.0	1.8	ug/l	
1330-20-7	Xylenes (total)	45.3	10	3.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		56-136%
98-08-8	aaa-Trifluorotoluene	106%		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

Accutest LabLink@22102 17:05 12-Jul-2006

Report of Analysis

Client Sample ID:	MW 4		
Lab Sample ID:	T13863-3	Date Sampled:	06/15/06
Matrix:	AQ - Ground Water	Date Received:	06/17/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK13788.D	1	06/22/06	JH	n/a	n/a	GKK836
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	95%		56-136%
98-08-8	aaa-Trifluorotoluene	93%		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

Report of Analysis

Client Sample ID:	MW 5		
Lab Sample ID:	T13863-4	Date Sampled:	06/15/06
Matrix:	AQ - Ground Water	Date Received:	06/17/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK13789.D	1	06/22/06	JH	n/a	n/a	GKK836
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	95%		56-136%
98-08-8	aaa-Trifluorotoluene	91%		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

Report of Analysis

Client Sample ID:	MW 6		
Lab Sample ID:	T13863-5	Date Sampled:	06/15/06
Matrix:	AQ - Ground Water	Date Received:	06/17/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK13790.D	1	06/22/06	JH	n/a	n/a	GKK836
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	96%		56-136%
98-08-8	aaa-Trifluorotoluene	93%		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

Report of Analysis

Client Sample ID:	MW 7		
Lab Sample ID:	T13863-6	Date Sampled:	06/15/06
Matrix:	AQ - Ground Water	Date Received:	06/17/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK13797.D	1	06/22/06	JH	n/a	n/a	GKK836
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	97%		56-136%
98-08-8	aaa-Trifluorotoluene	101%		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

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

Page 1 of 1

FED-EX Tracking # 6575 6192 0654 | Bottle Order Control # | Accutest Quote # | Accutest Job # T13863

Client / Reporting Information

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

Project Information

Project Name / No.: Vacuum to Jal #3/205068
Bill to: | 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	H2O	H2SO4	EnCore	NaHSO4	MeOH	None	BTEX (8021)	LAB USE ONLY
1	mw 2	6-15	1645	GW	3	X								X	
2	mw 3		1640 ~~1635~~												
3	mw 4		1635												
4	mw 5		1655												
5	mw 6		1650												
6	mw 7		1700												
7	Trip Blank														

Turnaround Time (Business days)

- [ ] 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
- [ ] TRRP

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

Comments / Remarks: Hold Trip Blank

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	SA Diller	6-16	1	2		2
3	Relinquished by:	6-17-16 9:41	3 Allie Franco	4		4
5	Relinquished by:	Date Time:	5	Custody Seal #	Preserved where applicable ☐	On Ice ☒ Cooler Temp 4.0°C

T13863: Chain of Custody
Page 1 of 2

ACCUTEST.

SAMPLE RECEIPT LOG

JOB #: T13863 DATE/TIME RECEIVED: 6-17-06 9:41

CLIENT: Premier Env. INITIALS: ATF

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	1-3	6-15-06	AQ	40mL	vref	(1),2,3,4,5,6	U, <2, >12, (NA)
2						(1),2,3,4,5,6	U, <2, >12, (NA)
3						(1),2,3,4,5,6	U, <2, >12, (NA)
4						(1),2,3,4,5,6	U, <2, >12, (NA)
5						(1),2,3,4,5,6	U, <2, >12, (NA)
6						(1),2,3,4,5,6	U, <2, >12, (NA)
7	1-2					(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

ATF 6/17/06

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

pH of waters checked excluding volatiles

pH of soils N/A

Comments:

Delivery method: Courier: Fed Ex

Tracking#: 8575 6192 0654

COOLER TEMP: 4.0°C 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

T13863: Chain of Custody
Page 2 of 2

T13863

4

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: T13863
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK836-MB	KK13783.D	1	06/22/06	JH	n/a	n/a	GKK836

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

T13863-1, T13863-2, T13863-3, T13863-4, T13863-5, T13863-6

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	94%	56-136%
98-08-8	aaa-Trifluorotoluene	97%	50-144%

Blank Spike Summary

Job Number: T13863
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK836-BS	KK13784.D	1	06/22/06	JH	n/a	n/a	GKK836

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

T13863-1, T13863-2, T13863-3, T13863-4, T13863-5, T13863-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.9	105	72-125
100-41-4	Ethylbenzene	20	20.0	100	76-125
108-88-3	Toluene	20	20.3	102	74-125
1330-20-7	Xylenes (total)	60	61.1	102	78-124

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	50-144%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T13863
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T13863-5MS	KK13791.D	1	06/22/06	JH	n/a	n/a	GKK836
T13863-5MSD	KK13792.D	1	06/22/06	JH	n/a	n/a	GKK836
T13863-5	KK13790.D	1	06/22/06	JH	n/a	n/a	GKK836

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

T13863-1, T13863-2, T13863-3, T13863-4, T13863-5, T13863-6

CAS No.	Compound	T13863-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.2	106	21.8	109	3	45-137/21
100-41-4	Ethylbenzene	ND		20	20.9	105	21.3	107	2	68-126/15
108-88-3	Toluene	ND		20	21.6	108	22.0	110	2	63-130/22
1330-20-7	Xylenes (total)	ND		60	64.1	107	64.4	107	0	72-125/19

CAS No.	Surrogate Recoveries	MS	MSD	T13863-5	Limits
460-00-4	4-Bromofluorobenzene	97%	96%	96%	56-136%
98-08-8	aaa-Trifluorotoluene	97%	93%	93%	50-144%

Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/18/06

Technical Report for

Premier Environmental Services

Vacuum to Jal Mainline #3/205068/2003-00117

Accutest Job Number: T14672

Sampling Date: 09/12/06

Report to:

Premier Environmental Services

cpatel@premiercorp-usa.com

ATTN: Mr. Chan Patel

Total number of pages in report: 20

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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: 1 2 3 4

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Sample Summary

Premier Environmental Services

Job No: T14672

Vacuum to Jal Mainline #3/205068/2003-00117

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T14672-1	09/12/06	13:40	RGJ	09/14/06	AQ	Ground Water	MW-2
T14672-2	09/12/06	14:00	RGJ	09/14/06	AQ	Ground Water	MW-3
T14672-3	09/12/06	13:45	RGJ	09/14/06	AQ	Ground Water	MW-4
T14672-4	09/12/06	13:30	RGJ	09/14/06	AQ	Ground Water	MW-5
T14672-5	09/12/06	13:50	RGJ	09/14/06	AQ	Ground Water	MW-6
T14672-6	09/12/06	14:05	RGJ	09/14/06	AQ	Ground Water	MW-7

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	T14672-1	Date Sampled:	09/12/06
Matrix:	AQ - Ground Water	Date Received:	09/14/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK15260.D	1	09/16/06	JH	n/a	n/a	GKK896
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	178	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	17.8	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	9.4	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	123%		56-136%
98-08-8	aaa-Trifluorotoluene	121%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	T14672-2	Date Sampled:	09/12/06
Matrix:	AQ - Ground Water	Date Received:	09/14/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK15224.D	1	09/15/06	JH	n/a	n/a	GKK895
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	61.2	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	4.9	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	117%		56-136%
98-08-8	aaa-Trifluorotoluene	124%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	T14672-3	Date Sampled:	09/12/06
Matrix:	AQ - Ground Water	Date Received:	09/14/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK15233.D	1	09/15/06	JH	n/a	n/a	GKK895
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	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	116%		56-136%
98-08-8	aaa-Trifluorotoluene	117%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	T14672-4	Date Sampled:	09/12/06
Matrix:	AQ - Ground Water	Date Received:	09/14/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK15232.D	1	09/15/06	JH	n/a	n/a	GKK895
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	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	117%		56-136%
98-08-8	aaa-Trifluorotoluene	119%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	T14672-5	Date Sampled:	09/12/06
Matrix:	AQ - Ground Water	Date Received:	09/14/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK15231.D	1	09/15/06	JH	n/a	n/a	GKK895
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	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	116%		56-136%
98-08-8	aaa-Trifluorotoluene	121%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	T14672-6	Date Sampled:	09/12/06
Matrix:	AQ - Ground Water	Date Received:	09/14/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK15230.D	1	09/15/06	JH	n/a	n/a	GKK895
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	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	118%		56-136%
98-08-8	aaa-Trifluorotoluene	121%		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

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

FED-EX Tracking # 8586-2782-4915 | Bottle Order Control # | Accutest Quote # | Accutest Job # T14672

Client / Reporting Information

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

Project Information

Project Name / No.: Vacuum to Jal #3/205068
Bill to: | 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	HNO3	H2SO4	EnCore	NaHSO4	MeOH	NONE	BTEX (8021)	LAB USE ONLY
1	mw-2	9-12-06	1540	GW	3	3								X	
2	3		1400												
3	4		1345												
4	5		1330												
5	6		1350												
6	7		1405												
7	+b. - QR-9-14-06														

Turnaround Time (Business days)

- [ ] 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
- [ ] TRRP

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

Comments / Remarks: Hold on Trip Blank

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	Robert Crabbs	9-13-06 1413	1	2		2
	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3			3	4		4
5	Relinquished by:	Date Time: 9/14/06 10:30	Received By: A. Rocky	Custody Seal #	Preserved where applicable ☐	On Ice X Cooler Temp 3.0

T14672: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories T14672

ACCUTEST.

SAMPLE RECEIPT LOG

JOB #: T14672　　DATE/TIME RECEIVED: 9/14/06/ 10:30

CLIENT: Premier Env. Services　　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) 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 Samples Headspace acceptable
9. (Y) N ~~NA~~ Custody seal received intact and tamper not evident on cooler.
10. 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	1-3	9/12	AQ	40ml	VREF	1,(2),3,4,5,6	U, <2, >12, NA
7	1-2	N/A	⊥	⊥	⊥	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

AR 9-14-06

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

COOLER TEMP: 3.0　COOLER TEMP:____

COOLER TEMP:____　COOLER TEMP:____

Form: SM012, Rev.07/28/06, QAO

T14672: Chain of Custody

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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: T14672
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK895-MB	KK15215.D	1	09/15/06	JH	n/a	n/a	GKK895

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

T14672-2, T14672-3, T14672-4, T14672-5, T14672-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	117%	56-136%
98-08-8	aaa-Trifluorotoluene	125%	50-144%

Method Blank Summary

Job Number: T14672
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK896-MB	KK15246.D	1	09/15/06	JH	n/a	n/a	GKK896

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

T14672-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	118%	56-136%
98-08-8	aaa-Trifluorotoluene	119%	50-144%

Blank Spike Summary

Job Number: T14672
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK895-BS	KK15216.D	1	09/15/06	JH	n/a	n/a	GKK895

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

T14672-2, T14672-3, T14672-4, T14672-5, T14672-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.1	101	72-125
100-41-4	Ethylbenzene	20	19.9	100	76-125
108-88-3	Toluene	20	19.5	98	74-125
1330-20-7	Xylenes (total)	60	59.3	99	78-124

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	119%	56-136%
98-08-8	aaa-Trifluorotoluene	129%	50-144%

Blank Spike Summary

Job Number: T14672
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK896-BS	KK15247.D	1	09/15/06	JH	n/a	n/a	GKK896

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

T14672-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	18.9	95	72-125
100-41-4	Ethylbenzene	20	18.3	92	76-125
108-88-3	Toluene	20	18.8	94	74-125
1330-20-7	Xylenes (total)	60	55.1	92	78-124

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	119%	56-136%
98-08-8	aaa-Trifluorotoluene	124%	50-144%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T14672
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T14676-3MS	KK15221.D	1	09/15/06	JH	n/a	n/a	GKK895
T14676-3MSD	KK15222.D	1	09/15/06	JH	n/a	n/a	GKK895
T14676-3	KK15220.D	1	09/15/06	JH	n/a	n/a	GKK895

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

T14672-2, T14672-3, T14672-4, T14672-5, T14672-6

CAS No.	Compound	T14676-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2.3		20	22.6	102	23.5	106	4	45-137/21
100-41-4	Ethylbenzene	ND		20	20.5	103	20.5	103	0	68-126/15
108-88-3	Toluene	ND		20	21.0	105	21.8	109	4	63-130/22
1330-20-7	Xylenes (total)	ND		60	61.2	102	61.8	103	1	72-125/19

CAS No.	Surrogate Recoveries	MS	MSD	T14676-3	Limits
460-00-4	4-Bromofluorobenzene	115%	115%	116%	56-136%
98-08-8	aaa-Trifluorotoluene	133%	134%	125%	50-144%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T14672
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T14674-7MS	KK15258.D	1	09/16/06	JH	n/a	n/a	GKK896
T14674-7MSD	KK15259.D	1	09/16/06	JH	n/a	n/a	GKK896
T14674-7	KK15257.D	1	09/16/06	JH	n/a	n/a	GKK896

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

T14672-1

CAS No.	Compound	T14674-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.3	107	20.9	105	2	45-137/21
100-41-4	Ethylbenzene	ND		20	20.7	104	20.2	101	2	68-126/15
108-88-3	Toluene	ND		20	20.8	104	20.2	101	3	63-130/22
1330-20-7	Xylenes (total)	ND		60	61.2	102	59.7	100	2	72-125/19

CAS No.	Surrogate Recoveries	MS	MSD	T14674-7	Limits
460-00-4	4-Bromofluorobenzene	118%	116%	116%	56-136%
98-08-8	aaa-Trifluorotoluene	123%	117%	117%	50-144%

Gulf Coast ACCUTEST LABORATORIES

IT'S ALL IN THE CHEMISTRY

12/18/06

Technical Report for

Premier Environmental Services

Vacuum to Jal Mainline #3/205068/2003-00117

Accutest Job Number: T15622

Sampling Date: 12/06/06

Report to:

Premier Environmental Services

cpatel@premiercorp-usa.com

ATTN: Chan Patel

Total number of pages in report: **21**

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

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Sections: 1 2 3 4

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Accutest Laboratories

Sample Summary

Premier Environmental Services

Job No: T15622

Vacuum to Jal Mainline #3/205068/2003-00117

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T15622-1	12/06/06	17:10	SAD	12/08/06	AQ	Ground Water	MW2
T15622-2	12/06/06	17:15	SAD	12/08/06	AQ	Ground Water	MW3
T15622-3	12/06/06	17:05	SAD	12/08/06	AQ	Ground Water	MW4
T15622-4	12/06/06	17:25	SAD	12/08/06	AQ	Ground Water	MW5
T15622-5	12/06/06	17:45	SAD	12/08/06	AQ	Ground Water	MW6
T15622-6	12/06/06	17:20	SAD	12/08/06	AQ	Ground Water	MW7
T15622-7	12/06/06	00:00	SAD	12/08/06	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2		
Lab Sample ID:	T15622-1	Date Sampled:	12/06/06
Matrix:	AQ - Ground Water	Date Received:	12/08/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK017055.D	1	12/14/06	JH	n/a	n/a	GKK971
Run #2	KK017088.D	5	12/15/06	JH	n/a	n/a	GKK973

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	214 [a]	5.0	1.8	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	18.5	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	8.0	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%	92%	56-136%
98-08-8	aaa-Trifluorotoluene	108%	108%	50-144%

(a) Result is from Run# 2

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		
Lab Sample ID:	T15622-2	Date Sampled:	12/06/06
Matrix:	AQ - Ground Water	Date Received:	12/08/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK017056.D	1	12/14/06	JH	n/a	n/a	GKK971
Run #2	KK017089.D	5	12/15/06	JH	n/a	n/a	GKK973

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	190 [a]	5.0	1.8	ug/l	
108-88-3	Toluene	1.1	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	24.7	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	3.6	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%	95%	56-136%
98-08-8	aaa-Trifluorotoluene	106%	106%	50-144%

(a) Result is from Run# 2

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:	MW4		
Lab Sample ID:	T15622-3	Date Sampled:	12/06/06
Matrix:	AQ - Ground Water	Date Received:	12/08/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK017057.D	1	12/14/06	JH	n/a	n/a	GKK971
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	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		56-136%
98-08-8	aaa-Trifluorotoluene	108%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW5		
Lab Sample ID:	T15622-4	Date Sampled:	12/06/06
Matrix:	AQ - Ground Water	Date Received:	12/08/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK017058.D	1	12/14/06	JH	n/a	n/a	GKK971
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	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		56-136%
98-08-8	aaa-Trifluorotoluene	99%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW6		
Lab Sample ID:	T15622-5	Date Sampled:	12/06/06
Matrix:	AQ - Ground Water	Date Received:	12/08/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK017059.D	1	12/14/06	JH	n/a	n/a	GKK971
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	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		56-136%
98-08-8	aaa-Trifluorotoluene	99%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW7		
Lab Sample ID:	T15622-6	Date Sampled:	12/06/06
Matrix:	AQ - Ground Water	Date Received:	12/08/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK017060.D	1	12/14/06	JH	n/a	n/a	GKK971
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	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		56-136%
98-08-8	aaa-Trifluorotoluene	102%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T15622-7	Date Sampled:	12/06/06
Matrix:	AQ - Trip Blank Water	Date Received:	12/08/06
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Vacuum to Jal Mainline #3/205068/2003-00117		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK017053.D	1	12/14/06	JH	n/a	n/a	GKK971
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	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		56-136%
98-08-8	aaa-Trifluorotoluene	109%		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

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

FED-EX Tracking # 859574964802 | Bottle Order Control # | Accutest Quote # | Accutest Job # T15622

Client / Reporting Information		Project Information	
Company Name: Premier Environmental Services		Project Name / No.: Vacuum to Jal #3/205068	
Project Contact: Daniel Bryant	E-Mail:	Bill to:	Invoice Attn:
Address: 30 West Industrial Loop, Suite I		Address:	
City: Midland, TX 79701	State / Zip	City	State / Zip
Phone No.: 432-230-1414	Fax No.	Phone No.	Fax No.
Samplers's Name		Client Purchase Order #	

Requested Analyses: BTEX (8021)

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	H2SO4	HNO3	NaOH	NaHSO4	MeOH	NONE	BTEX (8021)	LAB USE ONLY
1	mw2	12-6	1710	GW	3	X								X	
2	mw3		1715												
3	mw4		1705												
4	mw5		1725												
5	mw6		1745												
6	mw7		1720												
7	T.B. - AR - 12-806														

Turnaround Time (Business days) | Data Deliverable Information | Comments / Remarks

- 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

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

Commercial "A" = Results Only

Commercial "B" = Results & Standard QC

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		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	6/8/06 9:40	A. Rodriguez		☐	☑ 2.0

T15622: Chain of Custody
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ACCUTEST LABORATORIES

T15622

ACCUTEST.

SAMPLE RECEIPT LOG

JOB #: T15622 DATE/TIME RECEIVED: 12/8/06/9:40

CLIENT: Premier 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 Samples Headspace acceptable
9. (Y) N NA Custody seal received intact and tamper not evident on cooler.
10. 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	1-3	12/6	AQ	40ml	VREF	1,2,3,4,5,6	U, <2, >12, (NA)
7	1-2	N/A	⊥	⊥	⊥	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

AR 12-8-06

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

COOLER TEMP: 2.0 COOLER TEMP:
COOLER TEMP: COOLER TEMP:

Form: SM012, Rev.07/28/06, QAO

3.1

T15622: Chain of Custody

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4

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: T15622
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK971-MB	KK017039.D	1	12/14/06	JH	n/a	n/a	GKK971

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

T15622-1, T15622-2, T15622-3, T15622-4, T15622-5, T15622-6, T15622-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.33	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	50-144%

Method Blank Summary

Job Number: T15622
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK973-MB	KK017086.D	1	12/15/06	JH	n/a	n/a	GKK973

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

T15622-1, T15622-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.35	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	95%	50-144%

Blank Spike Summary

Job Number: T15622
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK971-BS	KK017040.D	1	12/14/06	JH	n/a	n/a	GKK971

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

T15622-1, T15622-2, T15622-3, T15622-4, T15622-5, T15622-6, T15622-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.2	96	72-125
100-41-4	Ethylbenzene	20	19.4	97	76-125
108-88-3	Toluene	20	19.1	96	74-125
1330-20-7	Xylenes (total)	60	57.1	95	78-124

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	94%	56-136%
98-08-8	aaa-Trifluorotoluene	104%	50-144%

Blank Spike Summary

Job Number: T15622
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK973-BS	KK017087.D	1	12/15/06	JH	n/a	n/a	GKK973

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

T15622-1, T15622-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	18.4	92	72-125

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	93%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	50-144%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T15622
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T15618-9MS	KK017047.D	1	12/14/06	JH	n/a	n/a	GKK971
T15618-9MSD	KK017048.D	1	12/14/06	JH	n/a	n/a	GKK971
T15618-9	KK017046.D	1	12/14/06	JH	n/a	n/a	GKK971

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

T15622-1, T15622-2, T15622-3, T15622-4, T15622-5, T15622-6, T15622-7

CAS No.	Compound	T15618-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	3.5		20	26.0	113	26.5	115	2	45-137/21
100-41-4	Ethylbenzene	0.43	J	20	21.1	103	22.4	110	6	68-126/15
108-88-3	Toluene	0.95	J	20	22.2	106	23.0	110	4	63-130/22
1330-20-7	Xylenes (total)	ND		60	60.6	101	64.8	108	7	72-125/19

CAS No.	Surrogate Recoveries	MS	MSD	T15618-9	Limits
460-00-4	4-Bromofluorobenzene	96%	98%	95%	56-136%
98-08-8	aaa-Trifluorotoluene	114%	112%	109%	50-144%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T15622
Account: PESTXST Premier Environmental Services
Project: Vacuum to Jal Mainline #3/205068/2003-00117

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T15691-2MS	KK017106.D	1	12/15/06	JH	n/a	n/a	GKK973
T15691-2MSD	KK017107.D	1	12/15/06	JH	n/a	n/a	GKK973
T15691-2	KK017105.D	1	12/15/06	JH	n/a	n/a	GKK973

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

T15622-1, T15622-2

CAS No.	Compound	T15691-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	18.2	91	18.4	92	1	45-137/21

CAS No.	Surrogate Recoveries	MS	MSD	T15691-2	Limits
460-00-4	4-Bromofluorobenzene	91% [a]	91% [a]	92%	56-136%
98-08-8	aaa-Trifluorotoluene	93% [a]	93% [a]	97%	50-144%

(a) %Recovery adjusted for double surrogate spike.

Distribution

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