District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 1 P P - 11 Ø 5

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

### **Release Notification and Corrective Action**

			Keit	ase Nounc	auo	n and Co	orrective A	cuon	L			
						OPERA'	TOR		☐ Initia	1 Report	XX	Final Report
Name of Co	mpany	Plains Mark	eting, L.	P.		Contact	Camille Reynol	ds				
Address 3	3112 W. U	S Hwy 82, I	ovingtor	, NM 88260		Telephone N						
Facility Nar	ne Aban	doned Vacu	um 10-In	ch Sour		Facility Typ	e 10" Steel Pip	eline				
Surface Ow	ner BLM			Mineral O	)wner				Lease N	Jo.		
	HOI BEAVE								1 220000			
F**		T	T			N OF REI				۱ م		
Unit Letter	Section 8	Township 20S	Range 37E	Feet from the	Norti	/South Line	Feet from the	East/\	West Line	County Lea		
L	°	203	3/E							LLa		
	T -4	24 ع ا	25' 00	6"NI41-		Longitude	1020 1	c' 16	6" West.			··-
	Lat	itude 32	2,33,02	2.5" North		_ Longitude	105 , 1	0,40.	o west.			
				NAT	<b>URE</b>	OF REL	EASE					
Type of Rele	ase Crude	Oil				Volume of	Release 8 barrel	s	Volume I	Recovered	3 barrel	ls
Source of Do	loogo 10 in	ch Steel Pipel	ina			Data and L	Iour of Occurrence		Date and	Hour of Di	covery	
Source of Re	icase 10-iii	ch Steel Piper	ille				· 2004 @ 1030	C		er 2004 @		
Was Immedia	te Notice (					If YES, To	Whom?		•			
		XX	Yes [	No □ Not Re	equired	Larry John	son					
By Whom?							Iour 12 October 2					
Was a Water	course Read		**	ייר אי		If YES, Vo	olume Impacting t	he Wat	ercourse.			
		Ц	Yes X	XL No								
If a Watercou	rse was Im	pacted, Descr	ibe Fully.*	•								
Describe Car	se of Drobl	om and Domo	dial Action	Taken * Ahan	donad	10" line senar	ated at a weld con	nection	on 4-Inch	adioining li	ne The	10" line was
							ure on the line is			aujoning ii	nc. The	10 line was
							vater sampling e					
							pacted at the Aba					
guidelines.	ests appro	ovai to piug	& adano	ion the three (3	) gro	mawater me	onitoring wells	on-site	e in accord	nance with	n NWIO	CD
	CHED PLA	INS MARK	ETING, L	. P. , ANNUAL O	GROU	NDWATER I	REPORT, DATE	D JAN	UARY 200	07, FOR D	ETAIL	S OF THE
GROUNDW	ATER SA	MPLING EV		ONDUCTED IN								
DTW: 30 T	O 31 FEE	T BGS										
I hereby certi	fy that the i	nformation gi	ven above	is true and comp	lete to	the best of my	knowledge and u	ndersta	nd that purs	suant to NM	10CD n	ules and
regulations al	1 operators	are required to	o report ar	d/or file certain re	elease	notifications a	nd perform correc	tive act	tions for rela	eases, whic	h may e	endanger
							arked as "Final Roon that pose a thro					
							e the operator of i					
		ws and/or regu						•				
	,						OIL CONS	SERV	ATION	DIVISION	<u>ON</u>	
Signature	\c. \sqrt	11000 t	46,6	~mon			<b></b>	<u> </u>				
Signature	<u> </u>	we .	49	1 CONDOC -		Approved by	ENU (E) District Supervise		R (	^		
Printed Name	: Camille P	Reynolds	<i>V</i>			Approved by	District Superviso	or. <	4-C	محملا	<u> </u>	
Tista, D.	liation C-					Approval Dat	e: ( 18.07	,	Danie di e	Data: =	_	
Title: Remed	nation Coor	ruinator				Approvai Dai	e: ( ' ( <b>0 - 0</b> )	<u>\</u>	Expiration	Date:		
E-mail Addre	ss: cjreyno	olds@paalp.co	m			Conditions of	Approval:			Attached		
	10.	200=		/FOE: 411 0= =			_			Auachec	. П	
Date:  * Attach Addit	18 Januar			e: (505) 441-096	00					1		
Auacii Addii	ionai onee	513 11 INCCESS	ai y									

Nnoed

### Basin Environmental Service Technologies, LLC

P. O. Box 301 Lovington, New Mexico 88260 kdutton@basinenv.com Office: (505) 396-2378 Fa

Fax: (505) 396-1429



### 2006 ANNUAL MONITORING REPORT

ABANDONED VACUUM 10-INCH SOUR NW ¼ SW ¼ SECTION 8, TOWNSHIP 20 SOUTH, RANGE 37 EAST LATITUDE 32°, 35′, 02.7″ NORTH, LONGITUDE 103°, 16′, 46.6″ WEST LEA COUNTY, NEW MEXICO

PLAINS SRS NUMBER: 2004-00208 NMOCD REF: 1RP-1105

PREPARED FOR:

PLAINS MARKETING, L.P. 333 CLAY STEET, SUITE 1600 HOUSTON, TEXAS 77002



### PREPARED BY:

### BASIN ENVIRONMENTAL SERVICE TECHNOLGIES, LLC

P. O. Box 301 Lovington, New Mexico 88260

January 2007

Ken Dutton
Project Manager

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Figure 2A – Inferred Groundwater Gradient Map – 21 March 2006 Figure 2B – Inferred Groundwater Gradient Map – 08 June 2006 Figure 2C – Inferred Groundwater Gradient Map – 13 September 2006 Figure 2D – Inferred Groundwater Gradient Map – 27 December 2006	
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### **INTRODUCTION**

Basin Environmental Service Technologies, LLC, (Basin) on behalf of Plains Marketing, L.P., (Plains), prepared this annual report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an annual report by April 1 of each year. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. This report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2006 only. Additional site activities and remedial work is summarized in several letters and reports previously submitted to the NMOCD. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during the four (4) consecutive quarters of 2006 at the request of the NMOCD to assess the potential for impact to the groundwater from dissolved phase constituents. The groundwater monitoring event consisted of measuring static water levels in the monitoring wells, checking for the presence of phase-separated hydrocarbons (PSH) atop the water column, and purging and sampling of each well exhibiting sufficient recharge.

### SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site is NW ¼ Section 8, Township 20 South, Range 37 East. The site latitude is 32°, 35′, 02.7″ North and the site longitude is 103°, 16′, 46.6″ West. On 07 October 2004, Basin responded to the pipeline release on behalf of Plains to repair the pipeline and excavate the impacted soil. The Abandoned Vacuum 10-Inch Sour Pipeline was subsequently de-oiled, cold cut and capped. Approximately 8 barrels of crude oil were released from the Plains pipeline and 3 barrels were recovered. The site is characterized by a right-of-way for the pipeline in a pasture utilized for cattle grazing. The initial visibly surface stained area included the release point covering an area approximately 262 feet long by 17 feet wide. Excavation activities during the emergency response and subsequent remediation of the site covered an area approximately 262 feet long by 17 feet wide and ranged from approximately 4-inches to 1-foot below ground surface (bgs), respectively. Excavated soil was placed on a 6-mil poly-liner for future remedial action.

A Preliminary Site Investigation Report (PSIR) and Work Plan, dated 23 November 2004 was submitted and approved by NMOCD, Hobbs District I. The approved plan included vertical delineation of the release point utilizing a drill rig and submission of a PSIR Remediation/Closure Plan based on delineation activities. A Revised PSIR Remediation/Closure Plan, dated 30 September 2006, was submitted and approved by NMOCD, Hobbs District I. The approved plan included excavating the limited vertical subsurface area immediately around the release point to a depth of approximately fifteen (15) feet bgs, installation of a 20-ml poly liner at the floor of the excavation, blending the excavated soil with clean segregated overburden, backfilling the excavation with blended stockpiled material on-site, collecting soil samples at 300 cubic yard intervals ensuring TPH constituent concentrations were below 1000 mg/kg and reseed with approved BLM grass seed.

Based on the laboratory results from soil boring SB-1, three (3) groundwater monitoring wells were installed to evaluate the quality of groundwater. During the installation of the three (3) groundwater monitoring wells (March 2006), there were no visual signs of PSH and laboratory results of the selected soil samples did not indicate BTEX and TPH constituent concentrations above laboratory method detection limits for the soil samples submitted to the laboratory.

Currently, there are three (3) groundwater monitoring wells, MW-1 which is up gradient, MW-2 and MW-3, which are down gradient, on site.

### FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on 21 March 2006, 08 June 2006, 13 September 2006 and 27 December 2006. During the quarterly sampling events, the monitoring wells, designated to be sampled, were purged of approximately 3 well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a trailer mounted polystyrene tank and disposed at an approved disposal in Monument, New Mexico.

Locations of the groundwater monitoring wells and the inferred groundwater elevations, which were constructed from the measurements collected during the quarterly monitoring events, are depicted on Figures 2A through 2D. The groundwater elevation data are provided as Table 1.

The Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.002 ft/ft. to the south-southeast as measured between groundwater monitor wells MW-1 and MW-3. The corrected groundwater elevation ranged between 3519.20 and 3518.86 feet, in MW-1 and MW-3, 27 December 2006, respectively.

### LABORATORY RESULTS

Groundwater samples were collected from the groundwater monitoring wells (MW-1, MW-2 and MW-3) during the quarterly monitoring events and were delivered to Environmental Laboratory of Texas, Odessa, Texas for determination of benzene, toluene, ethylbenzene and xylenes (BTEX) constituent concentrations by EPA Method SW846-8021b. A summary of BTEX constituent concentrations for 2006 is presented in Table 2 and the laboratory reports are provided as Appendix A.

Laboratory results for the three (3) site groundwater samples, obtained during the four (4) sampling periods, indicated that benzene and total BTEX constituent concentrations were below laboratory method detection limits for groundwater monitoring wells MW-1, MW-2 and MW-3, as depicted on Figures 3A through 3D.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in section 20.6.2.3103 of the New Mexico Administrative Code.

### **SUMMARY**

Based on the depth of the soil impact at this site, the NMOCD requested four (4) quarterly groundwater sampling events to be conducted at this site. This report presents the results of monitoring activities for the monitoring period. Currently, there are three (3) groundwater monitoring wells (MW-1, MW-2 and MW-3) on-site. The fourth (4<sup>th</sup>) quarter groundwater sampling event on 27 December 2006, indicates a general gradient of approximately 0.002 ft/ft to the south-southeast, as indicated on the Groundwater Gradient Map, Figure 2D.

Laboratory results for the three (3) site groundwater samples, obtained during the four (4) periods, indicated that benzene and BTEX constituent concentrations were below laboratory method detection limits for groundwater monitoring wells MW-1, MW-2 and MW-3.

### **ANTICIPATED ACTIONS**

The NMOCD approved soil remediation activities at the Abandoned Vacuum 10-Inch Sour site will be initiated in the first (1<sup>st</sup>) quarter of 2007 and a soil closure request will be submitted to NMOCD, Hobbs District I. Based on the laboratory results for the groundwater samples collected during the 2006 sampling periods, Plains request approval from the NMOCD to cease groundwater sampling and plug and abandon the three (3) groundwater monitoring wells.

### **LIMITATIONS**

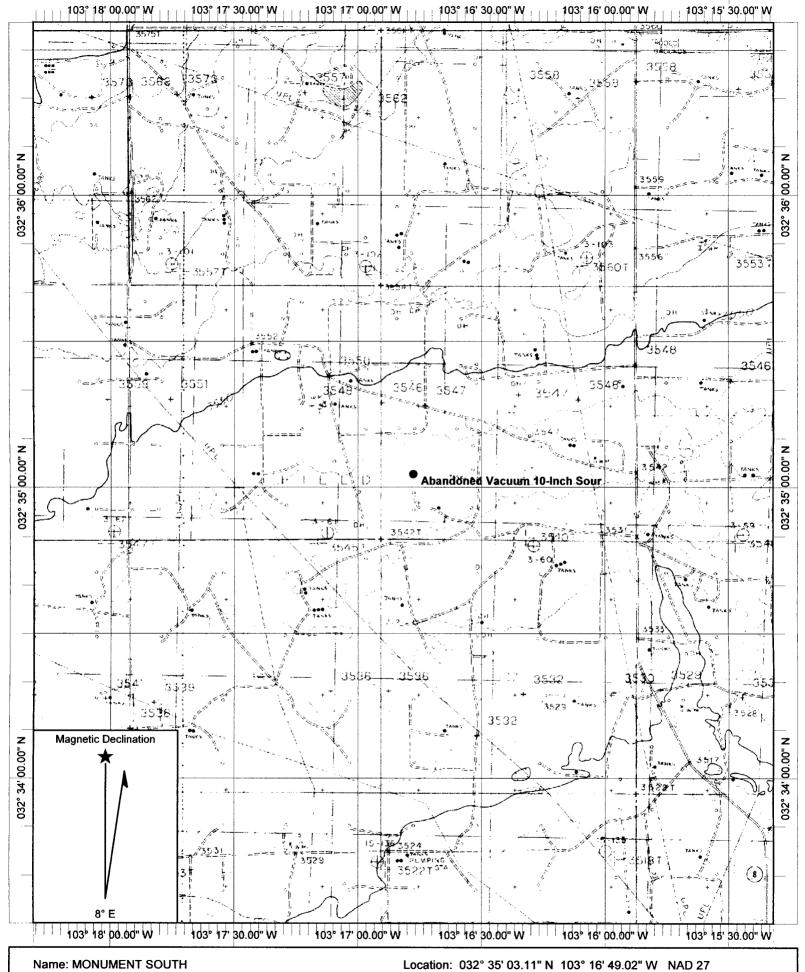
Basin has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

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

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

### **DISTRIBUTION**

Copy 1: Ben Stone New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505 ben.stone@state.nm.us Copy 2: Larry Johnson New Mexico Oil Conservation Division 1625 N. French Drive Hobbs, New Mexico 88240 Larry.Johnson@state.nm.us Copy 3: Jeff Dann Plains Marketing, L.P. 333 Clay Street **Suite 1600** Houston, Texas 77002 jpdann@paalp.com Camille Reynolds Copy 4: Plains Marketing, L.P. 3112 Highway 82 Lovington, New Mexico 88260 cjreynolds@paalp.com Copy 5: Basin Environmental Service Technologies, LLC P. O. Box 301 Lovington, New Mexico 88260 kdutton@basinenv.com Copy Number: 2

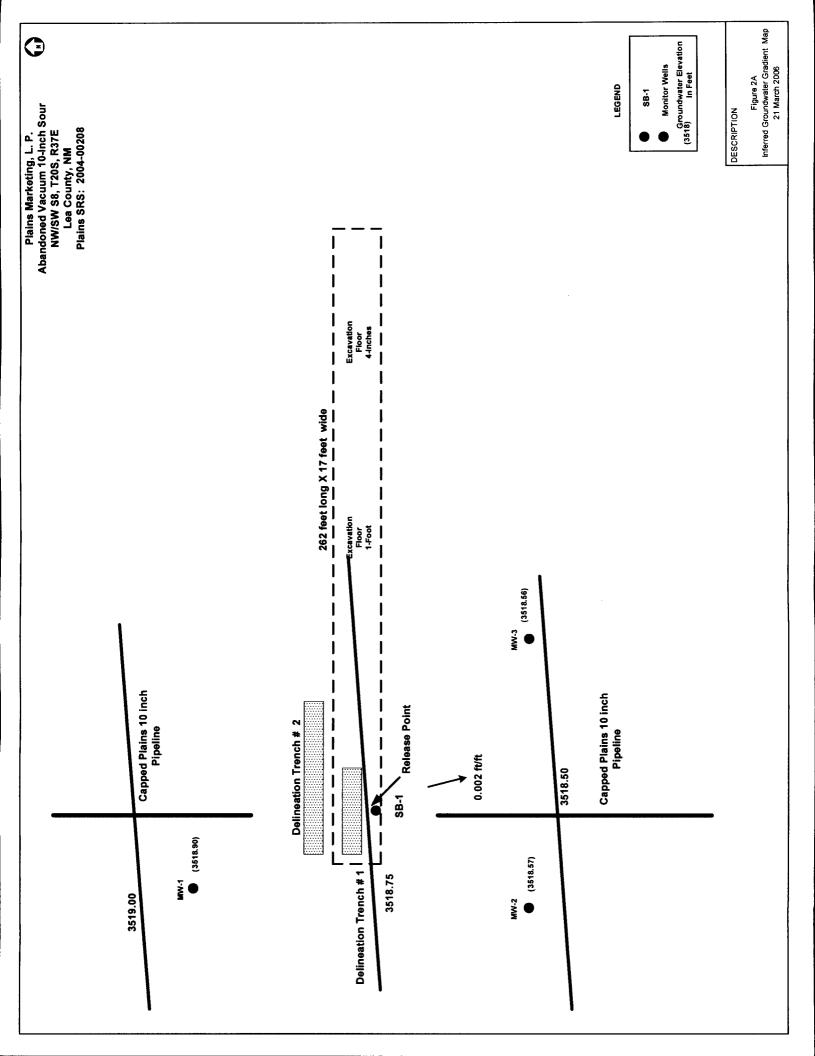


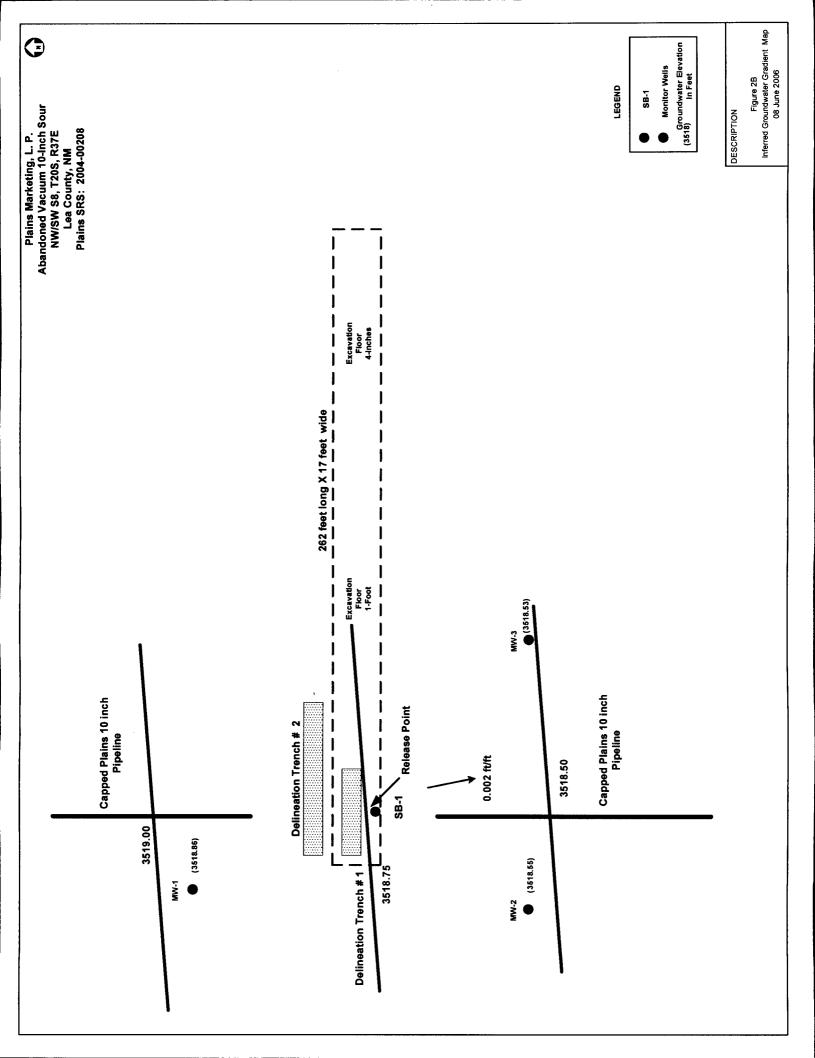
Date: 1/17/2007

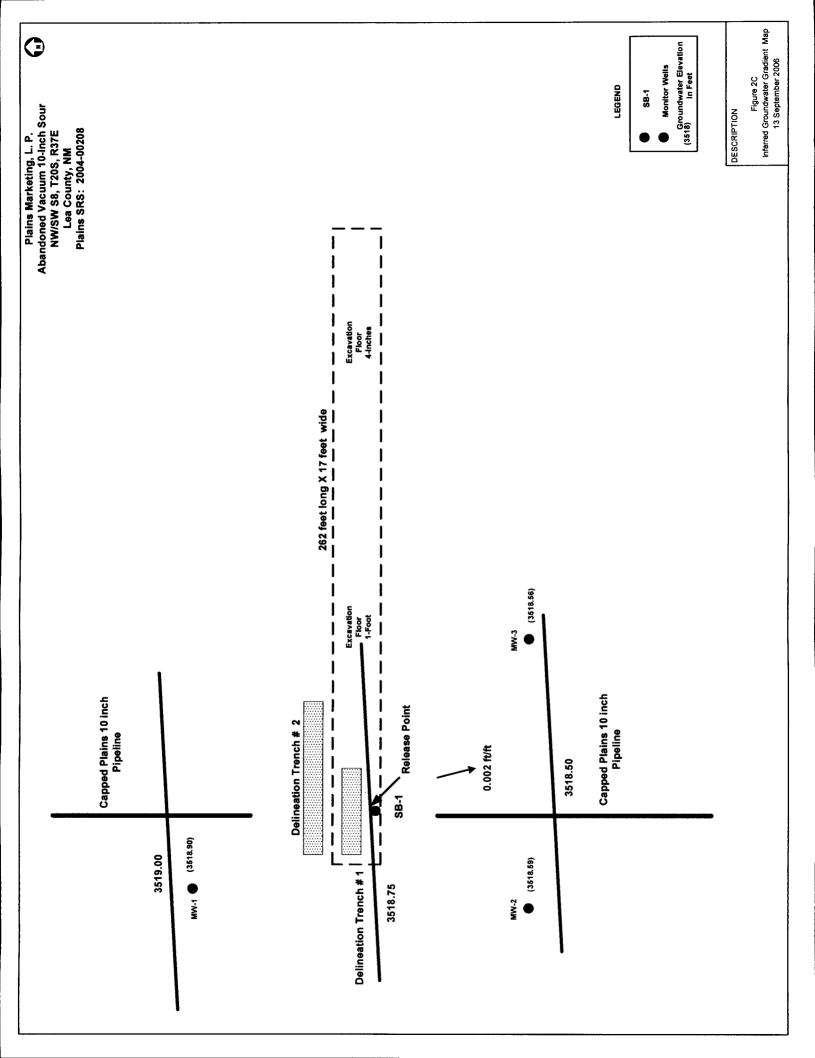
Scale: 1 inch equals 2000 feet

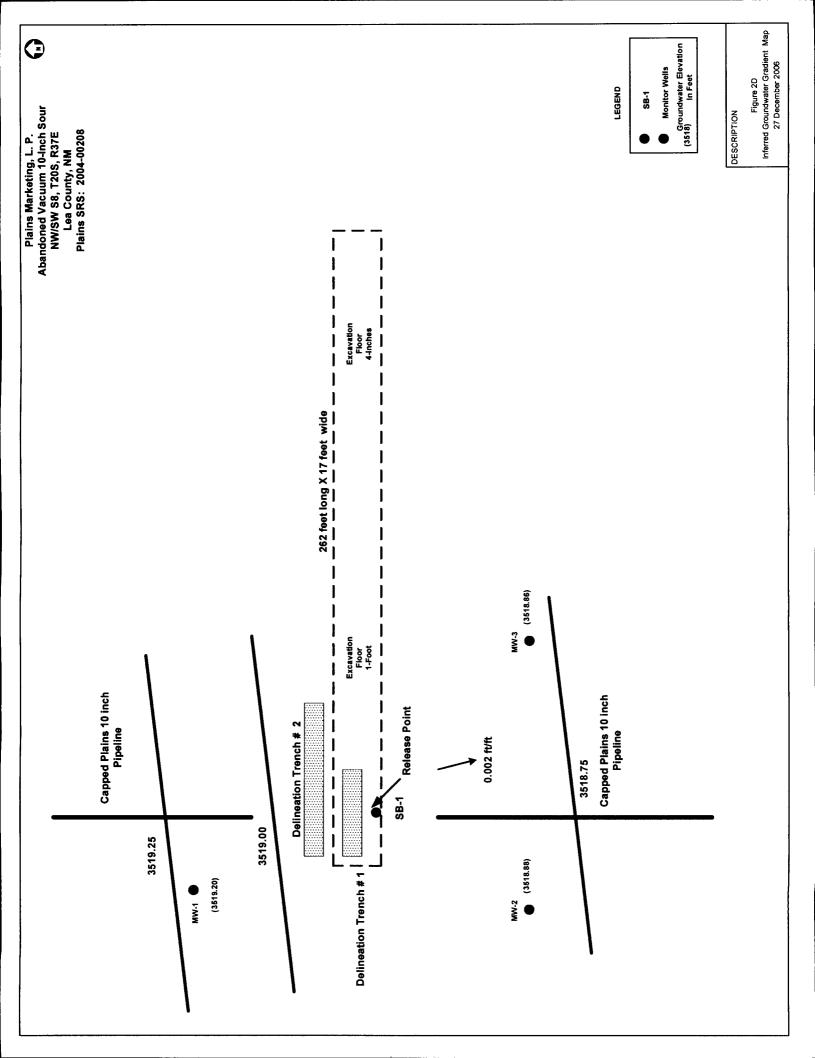
Location: 032° 35' 03.11" N 103° 16' 49.02" W NAD 27 Caption: Figure 1, Site Location Map Plains Marketing, L. P.

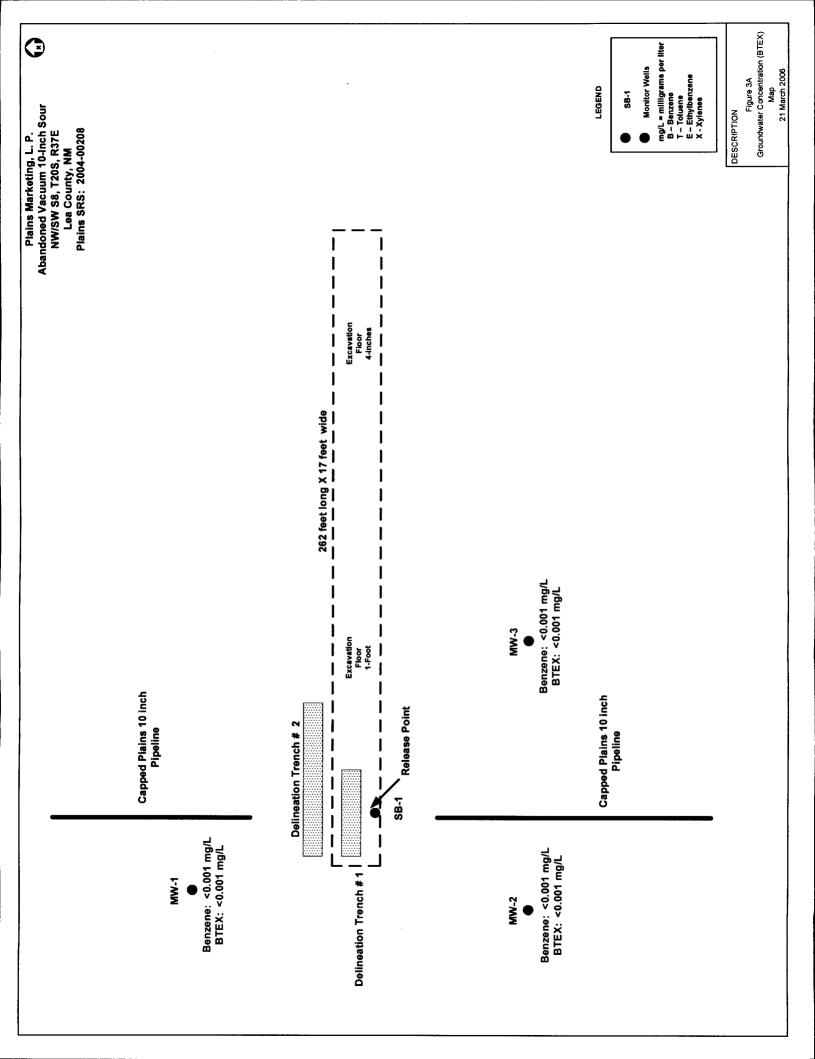
Abandoned Vacuum 10-Inch Sour

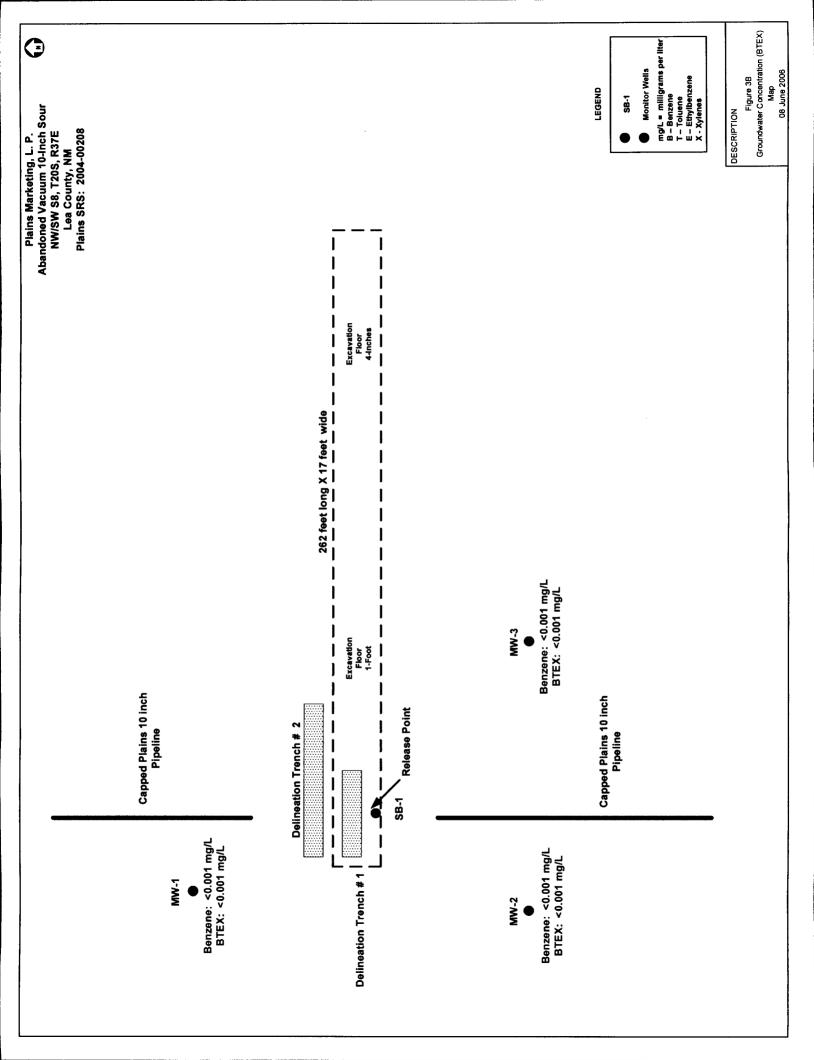












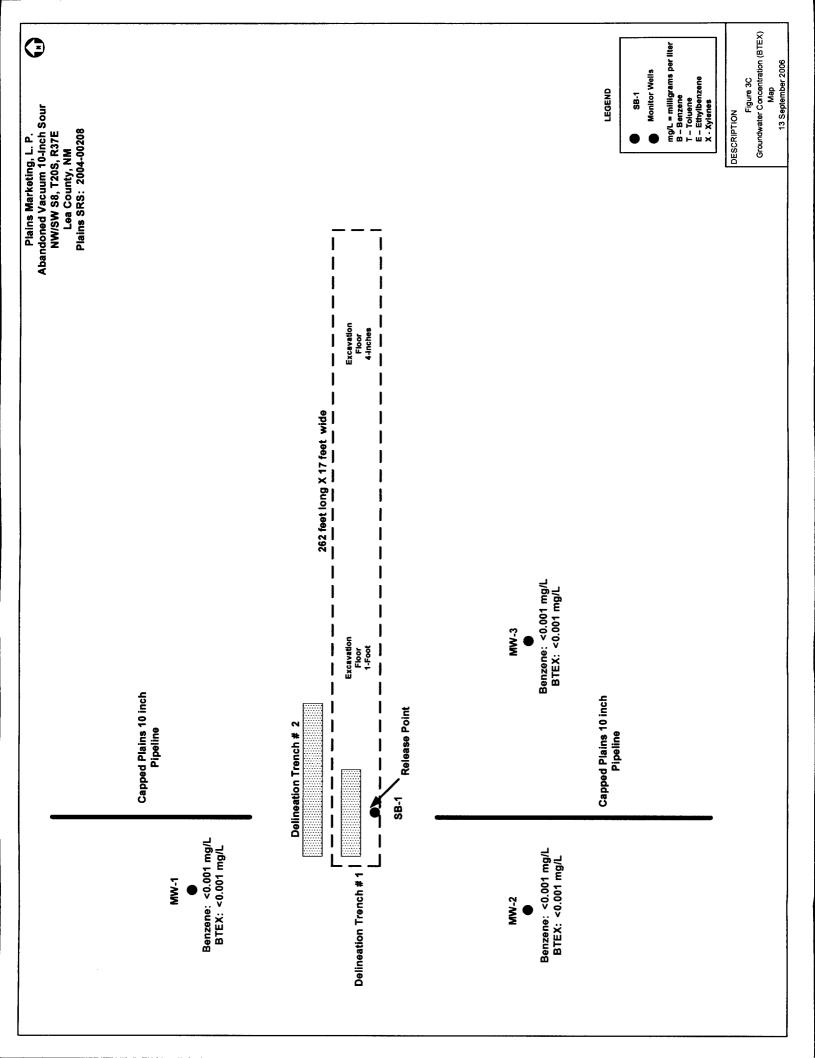


Figure 3D
Groundwater Concentration (BTEX)
Map (3 mg/L = milligrams per liter
B = Benzene
T = Toluene
E = Ethylbenzene
X - Xylenes 27 December 2006 Monitor Wells LEGEND SB-1 Plains Marketing, L. P.
Abandoned Vacuum 10-Inch Sour
NW/SW S8, T20S, R37E
Lea County, NM
Plains SRS: 2004-00208 DESCRIPTION Excavation Floor 4-Inches 262 feet long X 17 feet wide Benzene: <0.001 mg/L BTEX: <0.001 mg/L WW-3 Excavation Floor 1-Foot Capped Plains 10 inch Pipeline Capped Plains 10 inch Release Point Delineation Trench # 2 **Pipeline** SB-1 Ì I I Benzene: <0.001 mg/L BTEX: <0.001 mg/L Benzene: <0.001 mg/L BTEX: <0.001 mg/L Delineation Trench # 1 MW-1 MW-2

TABLE 1

# **GROUNDWATER ELEVATION DATA**

# PLAINS MARKETING, L.P. ABANDONED VACUUM 10" LEA COUNTY, NEW MEXICO PLAINS SRS NO. 2004-00208

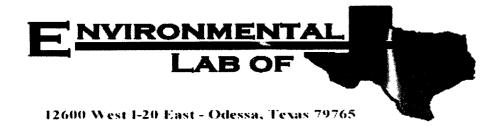
WELL	WELL NUMBER DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	03/21/06	3,549.88	-	30.98	0.00	3,518.90
	90/80/90	3,549.88	-	31.02	0.00	3,518.86
	09/13/06	3,549.88	-	30.98	0.00	3,518.90
	12/27/06	3,549.88	-	30.68	00.0	3,519.20
MW - 2	03/21/06	3,548.96	-	30.39	0.00	3,518.57
	90/80/90	3,548.96	1	30.41	0.00	3,518.55
	09/13/06	3,548.96		30.37	0.00	3,518.59
	12/27/06	3,548.96	-	30.08	0.00	3,518.88
MW - 3	03/21/06	3,549.58	-	31.02	0.00	3,518.56
	90/80/90	3,549.58	-	31.05	0.00	3,518.53
	09/13/06	3,549.58	4	31.02	0.00	3,518.56
	12/27/06	3,549.58	-	30.72	0.00	3,518.86

# TABLE 2

# **CONCENTRATIONS OF BENZENE & BTEX**

PLAINS MARKETING, L.P. ABANDONED VACUUM 10" LEA COUNTY, NEW MEXICO PLAINS EMS NO. 2004-00208

SAMPLE LOCATION	SAMPLE		METHODS:	EPA SW 8	METHODS: EPA SW 846-8021B, 5030	30
	DATE	BENZENE	BENZENE TOLUENE	ETHYL-	-d'W	O-XYLENES
				BENZENE	XYLENES	
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-1	03/21/06	<0.001	<0.001	<0.001	<0.001	<0.001
	90/80/90	<0.001	<0.001	<0.001	<0.001	<0.001
	09/13/06	<0.001	<0.001	<0.001	<0.001	<0.001
	12/27/06	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	03/21/06	<0.001	<0.001	<0.001	<0.001	<0.001
	90/80/90	<0.001	<0.001	<0.001	<0.001	<0.001
	09/13/06	<0.001	<0.001	<0.001	<0.001	<0.001
	12/27/06	<0.001	<0.001	<0.001	<0.001	<0.001
MW-3	03/21/06	<0.001	<0.001	<0.001	<0.001	<0.001
	90/80/90	<0.001	<0.001	<0.001	<0.001	<0.001
	09/13/06	<0.001	<0.001	<0.001	<0.001	<0.001
	12/27/06	<0.001	<0.001	<0.001	<0.001	<0.001



# **Analytical Report**

### Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Abandoned Vac 10"
Project Number: EMS# 2004-00208

Location: Lea Co., NM

Lab Order Number: 6C22009

Report Date: 03/30/06

Plains All American EH & SProject:Abandoned Vac 10"Fax: (432) 687-49141301 S. County Road 1150Project Number:EMS# 2004-00208Reported:Midland TX, 79706-4476Project Manager:Camille Reynolds03/30/06 11:34

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6C22009-01	Water	03/21/06 15:25	03/22/06 15:30
MW-2	6C22009-02	Water	03/22/06 09:15	03/22/06 15:30
MW-3	6C22009-03	Water	03/22/06 10:24	03/22/06 15:30

Project: Abandoned Vac 10"
Project Number: EMS# 2004-00208

Project Number: EMS# 2004-00208
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 03/30/06 11:34

# Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6C22009-01) Water									
Benzene	ND	0.00100	mg/L	1	EC62419	03/24/06	03/28/06	EPA 8021B	
Toluene	ND	0.00100	•	**	н	*	Ħ	**	
Ethylbenzene	ND	0.00100	11	"	**	*	Ħ	11	
Xylene (p/m)	ND	0.00100	**	"	*		Ħ	II .	
Xylene (o)	ND	0.00100	"	н	"	"	**	**	
Surrogate: a,a,a-Trifluorotoluene		89.0 %	80-	120	"	"	,,	"	
Surrogate: 4-Bromofluorobenzene		80.5 %	80-	120	"	"	"	n	
MW-2 (6C22009-02) Water									
Benzene	ND	0.00100	mg/L	1	EC62805	03/28/06	03/29/06	EPA 8021B	
Toluene	ND	0.00100	**	u	"		**	11	
Ethylbenzene	ND	0.00100	"		*	•	"		
Xylene (p/m)	ND	0.00100	"	**	"	•	•	*	
Xylene (o)	ND	0.00100	11	**	"	"	"	**	
Surrogate: a,a,a-Trifluorotoluene		86.8 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.2 %	80-1	120	"	"	"	"	
MW-3 (6C22009-03) Water									
Benzene	ND	0.00100	mg/L	1	EC62805	03/28/06	03/29/06	EPA 8021B	
Toluene	ND	0.00100	44	**	*		**	**	
Ethylbenzene	ND	0.00100	•	**		"	н	11	
Xylene (p/m)	ND	0.00100	17	н	"	11	11	**	
Xylene (o)	ND	0.00100	11	•	"	•	п	п	
Surrogate: a,a,a-Trifluorotoluene		85.8 %	80-1	120	,,	"	"	,,	
Surrogate: 4-Bromofluorobenzene		86.0 %	80-1	120	"	"	,,	"	

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 03/30/06 11:34

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	1,00th	Limit	Jino	20701	AVOUIT	, MEC	Zimits		211111	1,5003
Batch EC62419 - EPA 5030C (GC)										
Blank (EC62419-BLK1)				Prepared: 0	3/24/06 Aı	nalyzed: 03	/27/06			
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	н							
Ethylbenzene	ND	0.00100	**							
Xylene (p/m)	ND	0.00100	*							
Xylene (o)	ND	0.00100	**							
Surrogate: a,a,a-Trifluorotoluene	34.2	4.4	ug/l	40.0		85.5	80-120	4,440		
Surrogate: 4-Bromofluorobenzene	33.5		"	40.0		83.8	80-120			
LCS (EC62419-BS1)				Prepared: 0	3/24/06 Aı	nalyzed: 03	/26/06			
Benzene	0.0425	0.00100	mg/L	0.0500		85.0	80-120			
Toluene	0.0450	0.00100	11	0.0500		90.0	80-120			
Ethylbenzene	0.0461	0.00100	*	0.0500		92.2	80-120			
Xylene (p/m)	0.0943	0.00100	•	0.100		94.3	80-120			
Xylene (o)	0.0467	0.00100	"	0.0500		93.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.4		ug/l	40.0	•	96.0	80-120			
Surrogate: 4-Bromofluorobenzene	34.3		"	40.0		85.8	80-120			
Calibration Check (EC62419-CCV1)				Prepared: 0	3/24/06 A1	nalyzed: 03	/28/06			
Benzene	41.7		ug/l	50.0		83.4	80-120			
Toluene	46.7		"	50.0		93.4	80-120			
Ethylbenzene	52.3		н	50.0		105	80-120			
Xylene (p/m)	106		н	100		106	80-120			
Xylene (o)	53.0		"	50.0		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.7		"	40.0		94.2	80-120			
Surrogate: 4-Bromofluorobenzene	40.9		#	40.0		102	80-120			
Matrix Spike (EC62419-MS1)	Sou	rce: 6C22009-	01	Prepared: 0	3/24/06 At	nalyzed: 03	/28/06			
Benzene	0.0430	0.00100	mg/L	0.0500	ND	86.0	80-120			
Toluene	0.0479	0.00100	*	0.0500	ND	95.8	80-120			
Ethylbenzene	0.0523	0.00100	•	0.0500	ND	105	80-120			
Xylene (p/m)	0.106	0.00100	14	0.100	ND	106	80-120			
Xylene (o)	0.0514	0.00100	**	0.0500	ND	103	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.6		ug/l	40.0		96.5	80-120			,
Surrogate: 4-Bromofluorobenzene	33.5		,,	40.0		83.8	80-120			

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 03/30/06 11:34

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC62419 - EPA 5030C (GC)										
Matrix Spike Dup (EC62419-MSD1)	Sou	rce: 6C22009-	01	Prepared: 0	3/24/06 Aı	nalyzed: 03	/28/06			
Benzene	0.0425	0.00100	mg/L	0.0500	ND	85.0	80-120	1.17	20	
Toluene	0.0475	0.00100	**	0.0500	ND	95.0	80-120	0.839	20	
Ethylbenzene	0.0527	0.00100	"	0.0500	ND	105	80-120	0.00	20	
Xylene (p/m)	0.108	0.00100	**	0.100	ND	108	80-120	1.87	20	
Xylene (o)	0.0524	0.00100	"	0.0500	ND	105	80-120	1.92	20	
Surrogate: a,a,a-Trifluorotoluene	36.6		ug/l	40.0		91.5	80-120			
Surrogate: 4-Bromofluorobenzene	35.7		"	40.0		89.2	80-120			
Batch EC62805 - EPA 5030C (GC) Blank (EC62805-BLK1)				Prepared: 0	03/28/06 Aı	nalyzed: 03	/29/06			
Benzene	ND	0.00100	mg/L	. roparou. o	DI POI OU AI	inijecu. 03		****		
Foluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100								
Xylene (p/m)	ND	0.00100								
Xylene (o)	ND	0.00100	**							
Surrogate: a,a,a-Trifluorotoluene	33.7		ug/l	40.0	V-W 0	84.2	80-120			
Surrogate: 4-Bromofluorobenzene	34.0		"	40.0		85.0	80-120			
LCS (EC62805-BS1)				Prepared: 0	3/28/06 Aı	nalyzed: 03	/29/06			
Benzene	0.0406	0.00100	mg/L	- 0.0500		81.2	80-120			
Toluene	0.0453	0.00100	"	0.0500		90.6	80-120			
Ethylbenzene	0.0596	0.00100	•	0.0500		119	80-120			
Xylene (p/m)	0.106	0.00100	**	0.100		106	80-120			
Xylene (o)	0.0513	0.00100	**	0.0500		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.6		ug/l	40.0		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	39.6		"	40.0		99.0	80-120			

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 03/30/06 11:34

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC62805 - EPA 5030C (GC)										
Calibration Check (EC62805-CCV1)				Prepared: 0	3/28/06 A	nalyzed: 03	/29/06			
Benzene	42.5		ug/l	50.0		85.0	80-120			
Toluene	46.6		ıı	50.0		93.2	80-120			
Ethylbenzene	50.1			50.0		100	80-120			
Xylene (p/m)	101		•	100		101	80-120			
Xylene (o)	51.1		**	50.0		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	34.5		,	40.0		86.2	80-120			
Surrogate: 4-Bromofluorobenzene	37.8		"	40.0		94.5	80-120			
Matrix Spike (EC62805-MS1)	Sou	rce: 6C22008-	01	Prepared: 0	3/28/06 A	nalyzed: 03	/29/06			
Benzene	0.0401	0.00100	mg/L	0.0500	ND	80.2	80-120			
Toluene	0.0442	0.00100	н	0.0500	ND	88.4	80-120			
Ethylbenzene	0.0592	0.00100	н	0.0500	ND	118	80-120			
Xylene (p/m)	0.106	0.00100	**	0.100	ND	106	80-120			
Xylene (o)	0.0515	0.00100	19	0.0500	ND	103	80-120			
Surrogate: a,a,a-Trifluorotoluene	32.5		ug/l	40.0		81.2	80-120			
Surrogate: 4-Bromofluorobenzene	43.6		"	40.0		109	80-120			
Matrix Spike Dup (EC62805-MSD1)	Sou	rce: 6C22008-	01	Prepared: 0	3/28/06 A	nalyzed: 03	/29/06			
Benzene	0.0407	0.00100	mg/L	0.0500	ND	81.4	80-120	1.49	20	
Toluene	0.0445	0.00100	**	0.0500	ND	89.0	80-120	0.676	20	
Ethylbenzene	0.0597	0.00100	"	0.0500	ND	119	80-120	0.844	20	
Xylene (p/m)	0.107	0.00100	"	0.100	ND	107	80-120	0.939	20	
Xylene (o)	0.0516	0.00100	"	0.0500	ND	103	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	33.0		ug/l	40.0		82.5	80-120			
Surrogate: 4-Bromofluorobenzene	39.8		"	40.0		99.5	80-120			

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 03/30/06 11:34

### **Notes and Definitions**

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:	Kaland	KJul
---------------------	--------	------

Date: 3/30/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

# Environmental Lab of Texas I, Ltd.

12600 West I-20 East Odessa, Texas 79763

Phone: 915-563-1800 Fax: 915-563-1713

Dutton

Basia Environmente Project Manager. Company Name

MI Box 301 Loving ton City/State/Zip:\_\_ Company Address:\_\_

Telephone No: 505-44/-2/24

Sampler Signature:

Fax No: 505-396-1429 28.260

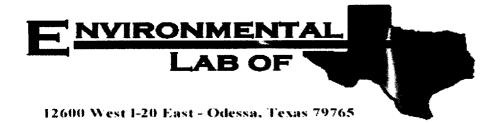
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Project #: EMSH 2004-00208 Project Name: Hbandoned Vac CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST Project Loc: PO #

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### Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

olient. Basin Plains				
Date/Time: 822/010 3:30				
Order #:				
nitials.		·		
Sample Receipt	Checkli	st		
Temperature of container/cooler?	Yes	014	25 C	
Shipping container/cooler in good condition?	(res	No		
Custody Seals intact on shipping container/cooler?	Yes	No	Not present	
Custody Seals intact on sample bottles?	Yes	No	Not present	
Chain of custody present?	283	No	THO DIESERIE	
Sample Instructions complete on Chain of Custody?	800	No		
Chain of Custody signed when relinquished and received?	(es)	No		
Chain of custody agrees with sample label(s)	(E)	No		
Container labels legible and intact?	(A)	No		
Sample Matrix and properties same as on chain of custody?	200	No		
Samples in proper container/bottle?	(XES)	No		
Samples properly preserved?	Yes	No		
Sample bottles intact?	793	No		
Preservations documented on Chain of Custody?	756	No		
Containers documented on Chain of Custody?	726	No		
Sufficient sample amount for indicated test?		No	<u> </u>	
All samples received within sufficient hold time?		No	1	
VOC samples have zero headspace?	YES	No	Not Apolicable	
Other observations:				
Variance Docu	mentation	on:		
Contact Person: Date/Time:			Contacted by:	
Regarding:		•	•	
Corrective Action Taken:	<del></del>			
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## **Analytical Report**

### **Prepared for:**

Camille Reynolds
Plains All American EH & S
1301 S. County Road 1150
Midland, TX 79706-4476

Project: Abandoned Vac 10"
Project Number: EMS# 2004-00208
Location: Lea Co., NM

Lab Order Number: 6F15011

Report Date: 06/23/06

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208 Project Manager: Camille Reynolds

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6F15011-01	Water	06/08/06 10:45	06/15/06 12:45
MW-2	6F15011-02	Water	06/08/06 11:55	06/15/06 12:45
MW-3	6F15011-03	Water	06/08/06 12:40	06/15/06 12:45

Fax: (432) 687-4914

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208 Project Manager: Camille Reynolds

### Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6F15011-01) Water									
enzene ND		0.00100	0.00100 mg/L		EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	**	п	•	н	•	
Ethylbenzene	ND	0.00100	u	"	н	•	п	**	
Xylene (p/m)	ND	0.00100	"	"	**	•	*		
Xylene (o)	ND	0.00100	**	"		•	*	11	
Surrogate: a,a,a-Trifluorotoluene		107 %	80-12	0	,,	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.2 %	80-120		n	"	"	#	
MW-2 (6F15011-02) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	**	**	**	n	**	*	
Ethylbenzene	ND	0.00100	"	**	11	u	н	"	
Xylene (p/m)	ND	0.00100	11	**	н	u	*	**	
Xylene (o)	ND	0.00100	11	**	11	n	*	11	
Surrogate: a,a,a-Trifluorotoluene		97.5 %	80-12	0	"	"	"	. "	
Surrogate: 4-Bromofluorobenzene		90.0 %	80-12	0	n	"	n	н	
MW-3 (6F15011-03) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	n	н	**	n	•	
Ethylbenzene	ND	0.00100	**	11	19	н	n	**	
Xylene (p/m)	ND	0.00100	"	**	н	•	"	"	
Xylene (o)	ND	0.00100	*	n	**	•	н	п	
Surrogate: a,a,a-Trifluorotoluene		96.8 %	80-12	0	,,	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	80-12	0	"	*	"	"	

Fax: (432) 687-4914

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208
Project Manager: Camille Reynolds

Fax: (432) 687-4914

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF62102 - EPA 5030C (GC)										
Blank (EF62102-BLK1)				Prepared &	: Analyzed:	06/21/06				
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100								
Ethylbenzene	ND	0.00100								
Xylene (p/m)	ND	0.00100								
Xylene (o)	ND	0.00100	*							
Surrogate: a,a,a-Trifluorotoluene	40.8		ug/l	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	32.0		"	40.0		80.0	80-120			
LCS (EF62102-BS1)				Prepared &	Analyzed:	06/21/06				
Benzene	0.0523	0.00100	mg/L	0.0500		105	80-120			
Toluene	0.0568	0.00100	"	0.0500		114	80-120			
Ethylbenzene	0.0548	0.00100	"	0.0500		110	80-120			
Xylene (p/m)	0.119	0.00100	11	0.100		119	80-120			
Xylene (o)	0.0582	0.00100	11	0.0500		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.8		ug/l	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	41.1		"	40.0		103	80-120			
Calibration Check (EF62102-CCV1)				Prepared &	: Analyzed:	06/21/06				
Benzene	58.5		ug/l	50.0		117	80-120			
Toluene	59.9		**	50.0		120	80-120			
Ethylbenzene	58.1		11	50.0		116	80-120			
Xylene (p/m)	119		н	100		119	80-120			
Xylene (o)	59.6		"	50.0		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.0		"	40.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	38.6		"	40.0		96.5	80-120			
Matrix Spike (EF62102-MS1)	Sou	Source: 6F15011-01 Prepared & Analyzed: 06/21/06								
Benzene	0.0523	0.00100	mg/L	0.0500	ND	105	80-120			
Toluene	0.0579	0.00100	"	0.0500	ND	116	80-120			
Ethylbenzene	0.0509	0.00100	"	0.0500	ND	102	80-120			
Xylene (p/m)	0.119	0.00100	"	0.100	ND	119	80-120			
Xylene (o)	0.0598	0.00100	**	0.0500	ND	120	80-120			
Surrogate: a,a,a-Trifluorotoluene	44.0		ug/l	40.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	43.6		"	40.0		109	80-120			

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208 Project Manager: Camille Reynolds Fax: (432) 687-4914

[		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Datab	EE/3103	TO D. A.	E020C	(00)
Batch	EF62102 -	LPA	20300	(GC)

Matrix Spike Dup (EF62102-MSD1)	Source: 6F15011-01			Prepared &	Analyzed:				
Benzene	0.0579	0.00100	mg/L	0.0500	ND	116	80-120	9.95	20
Toluene	0.0576	0.00100	**	0.0500	ND	115	80-120	0.866	20
Ethylbenzene	0.0578	0.00100	"	0.0500	ND	116	80-120	12.8	20
Xylene (p/m)	0.120	0.00100	н	0.100	ND	120	80-120	0.837	20
Xylene (o)	0.0580	0.00100	*	0.0500	ND	116	80-120	3.39	20
Surrogate: a,a,a-Trifluorotoluene	40.7		ug/l	40.0		102	80-120		
Surrogate: 4-Bromofluorobenzene	41.0		"	40.0		102	80-120		

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208
Project Manager: Camille Reynolds

### **Notes and Definitions**

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:

Jeane morning

Date: 6/23/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director La Tasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Fax: (432) 687-4914

# Environmental Lab of Texas I, Ltd.

12600 West I-20 East Odessa, Texas 79763

Control of the State of the Sta

Project Manager:

Phone: 915-563-1800 Fax: 915-563-1713

Ken Outton

Company Name Basin Environmenta

CITYISTATEZID: LOU, WM STUYO Company Address: 1.0, BUX 30 (

Telephone No: 505-949-2124

505-396-1429

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project # EM 5# 2004-00209 Project Name: Handoned Vac 10" Lea G. NM Project Loc:

TAT brabnate aluberto 2-orq) TAT H2U9 emmse (sto M.R.O. BLEX 9034 8/2030 Analyze MAIS: As Ag Ba Cd Cr Pb Hg Se 70.5 (CI, 8O4, CO3, HCO3) (Ca. Mg, Na, K) 9001 2001 NS102 1'817 Hd. Other (specify): įos egbuls \\### Other (Specify) \*06<sup>T</sup>H HOPN HCI <sup>E</sup>ONH lca 1001 No. of Containers Dalqma2 amiT baldma2 atsQ FIELD CODE Sampler Signature: AB # (lab yae only)

×

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MWZ MWB

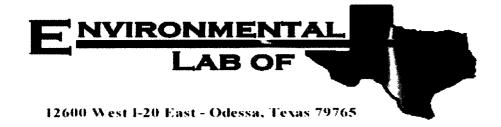
Ø N Temperature Upon Receipt. Sample Containers Intact? aboratory Comments: Received by 7.38 Special Instructions: Relinquished by:

12:45

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### Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

lient: Plains				
ate/Time: 6/15/06 12:45				
rder#: 10 F15011			<i>:</i> .	
nitials:				
Sample Receipt	Checkli	st		
emperature of container/cooler?	Yes	No I	0,5 C	
hipping container/cooler in good condition?	(Fgs	No		
ustody Seals intact on shipping container/cooler?	<b>¥8</b> \$	No	Not present	
ustody Seals intact on sample bottles?	Yes !	No	Not present	
hain of custody present?	Yes.	No		
ample Instructions complete on Chain of Custody?	(Ces	No		
hain of Custody signed when relinquished and received?	)@s	No		
hain of custody agrees with sample label(s)	<b>(C)</b> 5	No		
Container labels legible and intact?	( <del>€</del> §	No		
sample Matrix and properties same as on chain of custody?	(Es)	No		
Samples in proper container/bottle?	¥æş	No	•	
amples properly preserved?	) Ces	No '		
Sample bottles intact?	<b>(Ces</b>	No		
Preservations documented on Chain of Custody?	( <u>Cas</u>	No		
Containers documented on Chain of Custody?	<b>1 1 1 1 1 1 1 1 1 1</b>	No		
Sufficient sample amount for indicated test?		l No		
All samples received within sufficient hold time?		No		
/OC samples have zero headspace?	<b>@</b>	No	Not Apolicable	•
Other observations:				
Variance Documents			Contacted by: _	
Corrective Action Taken:				
	· · · · · · · · · · · · · · · · · · ·			
		.,		
•				



## **Analytical Report**

### **Prepared for:**

Camille Reynolds
Plains All American EH & S
1301 S. County Road 1150
Midland, TX 79706-4476

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208

Location: Lea County, NM

Lab Order Number: 6I15014

Report Date: 09/21/06

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208 Project Manager: Camille Reynolds Fax: (432) 687-4914

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6115014-01	Water	09/13/06 09:47	09-15-2006 13:35
MW-2	6115014-02	Water	09/13/06 10:20	09-15-2006 13:35
MW-3	6115014-03	Water	09/13/06 11:10	09-15-2006 13:35

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208 Project Manager: Camille Reynolds

## Organics by GC Environmental Lab of Texas

		Reporting	FT 3:						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6I15014-01) Water									
Benzene	ND	0.00100	mg/L	1	EI61906	09/19/06	09/20/06	EPA 8021B	
Toluene	ND	0.00100	11		11	H	"	ч	
Ethylbenzene	ND	0.00100	**	**	**	11	11	н	
Xylene (p/m)	ND	0.00100	11	**	11	"	11	и	
Xylene (o)	ND	0.00100	и	11	н	11	н	н	
Surrogate: a,a,a-Trifluorotoluene		86.0 %	80-12	0	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.8 %	80-12	0	"	"	H	"	
MW-2 (6I15014-02) Water									
Benzene	ND	0.00100	mg/L	1	E161906	09/19/06	09/20/06	EPA 8021B	
Toluene	ND	0.00100	**	**	u	"	**		
Ethylbenzene	ND	0.00100	"		n	11	**	*	
Xylene (p/m)	ND	0.00100	11	"	**	*	"	**	
Xylene (o)	ND	0.00100	n	**	н	**	•	**	
Surrogate: a,a,a-Trifluorotoluene		96.8 %	80-12	0	#	"	"	n	
Surrogate: 4-Bromofluorobenzene		94.0 %	80-12	0	"	"	"	"	
MW-3 (6I15014-03) Water									
Benzene	ND	0.00100	mg/L	1	EI61906	09/19/06	09/20/06	EPA 8021B	
Toluene	ND	0.00100	•	"	**	**	11	15	
Ethylbenzene	ND	0.00100	*		**	H	н	**	
Xylene (p/m)	ND	0.00100	•	*	**	**	н	n	
Xylene (o)	ND	0.00100	"	"	**	"	Ħ	n	
Surrogate: a,a,a-Trifluorotoluene		88.5 %	80-12	0	,,	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.5 %	80-12	0	,,	"	n	"	

Fax: (432) 687-4914

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208 Project Manager: Camille Reynolds Fax: (432) 687-4914

#### Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Modil	Lillin		2440	Acount	,v.c.c	211110			. 10108
Batch EI61906 - EPA 5030C (GC)				D	0/10/07	11-00	/20/07			
Blank (El61906-BLK1)		0.00100		Prepared: 0	19/06 Ai	naiyzed: 09	/20/06			
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100								
Ethylbenzene Valence (n/m)	ND	0.00100								
Xylene (p/m)	ND ND	0.00100	,,							
Xylene (o)	ND	0.00100								
Surrogate: a,a,a-Trìfluorotoluene	41.7		ug/l "	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	42.7		"	40.0		107	80-120			
LCS (EI61906-BS1)				Prepared &	Analyzed:	09/19/06				
Benzene	0.0553	0.00100	mg/L	0.0500	and the designation of the contract	111	80-120			
Toluene	0.0473	0.00100	**	0.0500		94.6	80-120			
Ethylbenzene	0.0437	0.00100	"	0.0500		87.4	80-120			
Xylene (p/m)	0.105	0.00100	н	0.100		105	80-120			
Xylene (o)	0.0506	0.00100	"	0.0500		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.9		ug/l	40.0		99.8	80-120			
Surrogate: 4-Bromofluorobenzene	36.7		"	40.0		91.8	80-120			
Calibration Check (EI61906-CCV1)				Prepared: 0	09/19/06 Ar	nalyzed: 09	/20/06			
Benzene	0.0540		mg/L	0.0500		108	80-120			
Toluene	0.0482		**	0.0500		96.4	80-120			
Ethylbenzene	0.0489		11	0.0500		97.8	80-120			
Xylene (p/m)	0.0966		**	0.100		96.6	80-120			
Xylene (o)	0.0480		**	0.0500		96.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.1		ug/l	40.0		100	80-120			***
Surrogate: 4-Bromofluorobenzene	43.3		,	40.0		108	80-120			
Matrix Spike (EI61906-MS1)	Sou	rce: 6I14005-0	11	Prepared: 0	19/19/06 Ar	nalyzed: 09	/20/06			
Benzene	0.0597	0.00100	mg/L	0.0500	ND	119	80-120			
Toluene	0.0503	0.00100	"	0.0500	ND	101	80-120			
Ethylbenzene	0.0502	0.00100	**	0.0500	ND	100	80-120			
Kylene (p/m)	0.106	0.00100	**	0.100	ND	106	80-120			
Kylene (o)	0.0511	0.00100	*	0.0500	ND	102	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.8		ug/l	40.0		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	46.6		"	40.0		116	80-120			

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208
Project Manager: Camille Reynolds

Fax: (432) 687-4914

#### Organics by GC - Quality Control

#### **Environmental Lab of Texas**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EI61906 - EPA 5030C (GC)										
Matrix Spike Dup (EI61906-MSD1)	Sou	rce: 6I14005-(	)1	Prepared: 0	9/19/06 A	nalyzed: 09	/20/06			
Benzene	0.0580	0.00100	mg/L	0.0500	ND	116	80-120	2.55	20	
Toluene	0.0510	0.00100	"	0.0500	ND	102	80-120	0.985	20	
Ethylbenzene	0.0506	0.00100	"	0.0500	ND	101	80-120	0.995	20	
Xylene (p/m)	0.106	0.00100	**	0.100	ND	106	80-120	0.00	20	
Xylene (o)	0.0534	0.00100	"	0.0500	ND	107	80-120	4.78	20	
Surrogate: a,a,a-Trifluorotoluene	40.0		ug/l	40.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	46.0		"	40.0		115	80-120			

Project: Abandoned Vac 10"

Project Number: EMS# 2004-00208 Project Manager: Camille Reynolds Fax: (432) 687-4914

#### **Notes and Definitions**

DET Analyte DETECTED Analyte NOT DETECTED at or above the reporting limit ND Not Reported NR drv Sample results reported on a dry weight basis RPD Relative Percent Difference LCS Laboratory Control Spike MS Matrix Spike Duplicate Dup

Report Approved By:	Raland	KJul
Report Approved By:	Ralanc	~ Julia

Date: 9/21/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

## **Environmental Lab of Texas**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST 12600 West I-20 East Odessa, Texas 79765

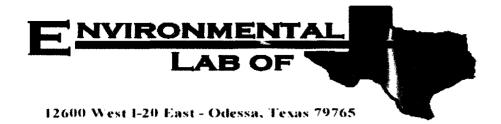
Phone: 432-563-1800 Fax: 432-563-1713

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Project Name: Abandoned Vacuum 10"	- 1	- 1	8			눔			ВCI										Laboratory Comments: Sample Containers Intact?	VOCs. Free of Headspace?	Custody seals on container(s) Custody seals on cooler(s) Samnia Hand Deliverad	by Sampler/Client Rep. ? by Courler? UPS DHI	Temperature Upon Receipt.	
/ac		Project Loc: Lea County, NM	PO #. PAA/C. Reynolds			Analyze For:	×	0	BTEX 80218/5030 or BTEX 826	X	X	×							Laboratory Comments: Sample Containers Intac	spa	Custody seals on container Custody seals on cooler(s) Samnia Hand Delivered	ag 5	- Ze	
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## Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

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Checklist		Clier	nt initials
Yes	No	A.O °C	
<b>⊘</b> €\$	No		
	No	Not Present	
	No		
	No		
Yes	No		
	No	<b>†</b>	
Ves	No	ID written on Cont./ Lid	
/es	No	Not Applicable	
Yes	No		
Yes	No		
Yes	No	See Below	
Ύe <sub>6</sub>	No	See Below	
<b>76</b> 3	No		
Xes	No		
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		Yes No Yes No	Yes No Cler Yes No Not Present No Not Present No Not Present No Not Present No Not Applicable No Not Applicable No Not See Below No See Below No No See Below No No See Below No See Below No See Below No See Below No See Below No See Below No See Below No See Below No See Below No See Below No See Below No See Below No See Below No No See Below No No See Below No No Not Applicable

Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event



## **Analytical Report**

#### Prepared for:

Camille Reynolds
Plains All American EH & S
1301 S. County Road 1150
Midland, TX 79706-4476

Project: Abandoned Vacuum 10"
Project Number: EMS: 2004-00208
Location: Lea County, NM

Lab Order Number: 6L29007

Report Date: 01/02/07

Project: Abandoned Vacuum 10"

Project Number: EMS: 2004-00208 Project Manager: Camille Reynolds

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6L29007-01	Water	12/27/06 08:00	12-29-2006 14:00
MW-2	6L29007-02	Water	12/27/06 09:15	12-29-2006 14:00
MW-3	6L29007-03	Water	12/27/06 10:30	12-29-2006 14:00

Fax: (432) 687-4914

Project: Abandoned Vacuum 10"

Project Number: EMS: 2004-00208 Project Manager: Camille Reynolds Fax: (432) 687-4914

## Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6L29007-01) Water						•			
Benzene	ND	0.00100	mg/L	1	EL63101	12/31/06	12/31/06	EPA 8021B	
Toluene	ND	0.00100	н	•	"	•	u	*	
Ethylbenzene	ND	0.00100	Ħ	•	"	"	**	H.	
Xylene (p/m)	ND	0.00100	**	*	11	н	*	и	
Xylene (o)	ND	0.00100	Ħ	"	"	**	н	**	
Surrogate: a,a,a-Trifluorotoluene		96.5 %	80-12	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	80-12	20	"	"	"	"	
MW-2 (6L29007-02) Water									
Benzene	ND	0.00100	mg/L	1	EL63101	12/31/06	12/31/06	EPA 8021B	
Toluene	ND	0.00100	ıı	"		11	н	п	
Ethylbenzene	ND	0.00100	**	"	и	II .	"	11	
Xylene (p/m)	ND	0.00100	11	11	н	11	н	*	
Xylene (o)	ND	0.00100	•	11	"	**	11	**	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-12	20	n	n	,	"	
Surrogate: 4-Bromofluorobenzene		97.2 %	80-12	20	*	"	"	"	
MW-3 (6L29007-03) Water									
Benzene	ND	0.00100	mg/L	1	EL63101	12/31/06	12/31/06	EPA 8021B	
Toluene	ND	0.00100	н	н	**	R	*	**	
Ethylbenzene	ND	0.00100	*	11	"	и	**	**	
Xylene (p/m)	ND	0.00100	•	*	**	n	"	19	
Xylene (o)	ND	0.00100		**	*	"	"	**	
Surrogate: a,a,a-Trifluorotoluene		96.2 %	80-12	20	"	"	#	"	
Surrogate: 4-Bromofluorobenzene		87.2 %	80-12	20	*	"	"	"	

Plains All American EH & S 1301 S. County Road 1150 Project: Abandoned Vacuum 10"

Fax: (432) 687-4914

Midland TX, 79706-4476

Project Number: EMS: 2004-00208 Project Manager: Camille Reynolds

#### Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EL63101 - EPA 5030C (GC)										
Blank (EL63101-BLK1)				Prepared: 1	2/31/06 A	nalyzed: 01	/01/07			
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	u							
Xylene (p/m)	ND	0.00100	**							
Xylene (o)	ND	0.00100	**							
Surrogate: a,a,a-Trifluorotoluene	36.1		ug/l	40.0		90.2	80-120		,	
Surrogate: 4-Bromosluorobenzene	37.0		"	40.0		92.5	80-120			
LCS (EL63101-BS1)				Prepared: 1	2/31/06 A	nalyzed: 01	/01/07			
Benzene	0.0455	0.00100	mg/L	0.0500		91.0	80-120			
Toluene	0.0472	0.00100	*	0.0500		94.4	80-120			
Ethylbenzene	0.0444	0.00100	н	0.0500		88.8	80-120			
Xylene (p/m)	0.0942	0.00100	"	0.100		94.2	80-120			
Xylene (o)	0.0439	0.00100		0.0500		87.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.2		ug/l	40.0		90.5	80-120			
Surrogate: 4-Bromofluorobenzene	43.5		"	40.0		109	80-120			
Calibration Check (EL63101-CCV1)				Prepared: 1	2/31/06 A	nalyzed: 01	/01/07			
Benzene	48.2		ug/l	50.0		96.4	80-120			
Toluene	49.3		"	50.0		98.6	80-120			
Ethylbenzene	56.4		**	50.0		113	80-120			
Xylene (p/m)	94.8		11	100		94.8	80-120			
Xylene (o)	45.3		н	50.0		90.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.8		"	40.0		94.5	80-120	=		
Surrogate: 4-Bromofluorobenzene	44.1		"	40.0		110	80-120			
Matrix Spike (EL63101-MS1)	Sou	rce: 6L29005-	01	Prepared: 1	2/31/06 A	nalyzed: 01	/01/07			
Benzene	0.0470	0.00100	mg/L	0.0500	ND	94.0	80-120		***	
Toluene	0.0473	0.00100	**	0.0500	ND	94.6	80-120			
Ethylbenzene	0.0502	0.00100	#	0.0500	ND	100	80-120			
Xylene (p/m)	0.0959	0.00100	н	0.100	ND	95.9	80-120			
Xylene (o)	0.0441	0.00100	"	0.0500	ND	88.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.7		ug/l	40.0		89.2	80-120			
Surrogate: 4-Bromofluorobenzene	42.9		"	40.0		107	80-120			

Project: Abandoned Vacuum 10"

Project Number: EMS: 2004-00208 Project Manager: Camille Reynolds

**Environmental Lab of Texas** 

### Organics by GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL63101 - EPA 5030C (GC)										
Matrix Spike Dup (EL63101-MSD1)	Sou	rce: 6L29005-	01	Prepared: 1	2/31/06 A	nalyzed: 01	/01/07			
Renzene	0.0461	0.00100	ma/I	0.0500	ND	92.2	80-120	1 03	20	

Matrix Spike Dup (EL63101-MSD1)	Sou	Source: 6L29005-01				Prepared: 12/31/06 Analyzed: 01/01/07				
Benzene	0.0461	0.00100	mg/L	0.0500	ND	92.2	80-120	1.93	20	
Toluene	0.0485	0.00100	*	0.0500	ND	97.0	80-120	2.51	20	
Ethylbenzene	0.0527	0.00100	**	0.0500	ND	105	80-120	4.88	20	
Xylene (p/m)	0.0978	0.00100		0.100	ND	97.8	80-120	1.96	20	
Xylene (o)	0.0458	0.00100	"	0.0500	ND	91.6	80-120	3.78	20	
Surrogate: a,a,a-Trifluorotoluene	37.3		ug/l	40.0		93.2	80-120			
Surrogate: 4-Bromofluorobenzene	42.6		"	40.0		106	80-120			

Fax: (432) 687-4914

Project: Abandoned Vacuum 10"

Project Number: EMS: 2004-00208 Project Manager: Camille Reynolds Fax: (432) 687-4914

#### **Notes and Definitions**

DET Analyte DETECTED ND Analyte NOT DETECTED at or above the reporting limit NR Not Reported dry Sample results reported on a dry weight basis Relative Percent Difference RPD LCS Laboratory Control Spike MS Matrix Spike Duplicate Dup

Caland	KJul
	Raland

Date: 1/2/2007

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

# **Environmental Lab of Texas**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Odessa, Texas 79765 12600 West I-20 East

Phone: 432-563-1800 Fax: 432-563-1713

000 □ NPDES WINT (Pre-Schedule) 24, 48, 12 hrs Project Name: ABANDONED VACUUM 10-INCH M.A.O.M TRRP IOR Laboratory Comments: Sample Comainers Intact? VOCs Free of Headspace? Labels on container(s)
Custody seals on container(s)
Custody seals on conter(s)
Sample Hand Delivered Temperature Upon Receipt: BTEX 8021B/5030 or BTEX 6260 PO #: PAA - C. J. Reynolds by Sampler/Client Rep. Analyze For Project Loc: Lea County, NM Project #: 2004-00208 X Standard by Courier? ietala: Ya Ya Be Cd Cr Bb Hg Se 7 TOTAL SAR / ESP / CEC rujous (CI, SO4, Alkalinity) Cations (Ca., Mg. Na, K) Report Format: 20h/ 9001 X.L 3.50 95108 M2108 1.811 Hd Specify Oth a - Non-Potable 8 ĕ **₹** 12-29-02 Beca w.-Orlaking Water st.-Sluck Other (Specify) kad@basinenv.com COSCEN HOPN ,02<sub>1</sub>H (505) 396-1429 ЮН HNO 7 otal #, of Containers benefit blai e-mail: Fax No: 0915 080 1030 belgma2 amiT 5 200 27-Dec-06 27-Dec-06 27-Dec-06 Basin Environmental Service Technologies, LLC Date Sampled PAGE Sid Ending Depth Beginning Depth Lovington, NM 88260 Company Address: P. O. Box 301 Ken Dutton FIELD CODE 2900 NW-1 MW-2 MW-3 Sampler Signature: Project Manager: Company Name Telephone No: City/State/Zip: Special Instructions: ORDER#: (lab use only) 7 S 20 (vino ezu dsi) # 8A

1.0

TAT brebnat2

#### Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

Client:	Plain P/L / Basin Env								
Date/ Time:	12-29-06 @ 1400								
_ab ID # :	6L29007								
nitials:	Jam								
illuais.									
Sample Receipt Checklist									
		1/2		Client Initia	als ¬				
	ature of container/ cooler?	Yes	No	0.0 °C	4				
	container in good condition?	Yes	No_		_				
	Seals intact on shipping container/ cooler?	Yes	No	Not Present	4				
	Seals intact on sample bottles/ container?	Yes	No	Not Present	_				
	Custody present?	Yes	No		_				
	instructions complete of Chain of Custody?	(Yes)	No						
to Chain of	Custody signed when relinquished/ received?	Yes	_No_		_				
8 Chain of	Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid					
9 Containe	er label(s) legible and intact?	Yes	No	Not Applicable					
10 Sample	matrix/ properties agree with Chain of Custody?	Yes	No						
11 Contain	ers supplied by ELOT?	Yes	No						
12 Sample	s in proper container/ bottle?	Yes	No	See Below	7				
13 Sample	s properly preserved?	Yes	No	See Below	7				
	bottles intact?	Yes	No		7				
	ations documented on Chain of Custody?	Yes	No		7				
	ers documented on Chain of Custody?	Yes	No		⊣				
	nt sample amount for indicated test(s)?	Yes	No	See Below	7				
	ples received within sufficient hold time?	Yes	No	_See Below					
	tract of sample(s)?	Yes	No	Not Applicable	$\dashv$				
	mples have zero headspace?	Yes	No	Not Applicable	$\dashv$				
					_				
	Variance Docui	nentation							
Contact:	Contacted by:			Date/ Time:					
tegarding:									
orrective Ac	tion Taken:								
			<del></del>						
heck all that Apply:  See attached e-mail/ fax  Client understands and would like to proceed with analysis									

Cooling process had begun shortly after sampling event

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Bruzos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

#### Release Notification and Corrective Action

						OPERA	TOR	x In	itial Report		Final Report	
Name of Company Plains Marketing, LP						Contact Can	nille Reymolds					
						Telephone No. 505-441-0965						
Facility Name Abandoned Vacuum 10" Sour F						Facility Type 10"Steel Pipeline						
Surface Owner BLM Mineral Owner							Lesse No.					
OR INC OAKS DAM MIRES							<del></del>	1 1/45	<u> </u>	······································		
LOCATION OF RELEASE												
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/West Lin	e County			
M	31	208	37E						Lea			
		Latitu	de_32°3	5'025"		Longitude	103° 16' 46.6"	) 				
				NAT	TIDE	OF RELI	PACE					
Type of Rele	ane Crude (	Oil		1428.1	UIG		Release 8 barrels	. Volum	e Recovered 3	barrel		
		iteel Pipeline					our of Occurrence	e Date a	d Hour of Di	COVER		
		-				10/7/04@		10/7/0	@ 10:40			
Was Immedi	ate Notice (					If YES, To			1 @ 10:40 (6:51)	٤٠,		
			Yes L	No Not Re	danca				ક <sup>ે</sup> `			
By Whom?						Date and H	our 10-12-04@	15:30 /~	···			
Was a Water	course Res		Yes 🛭	i No		If YES, Vo	tume Impacting	the Waterchalte	(IPT)			
				•				415	h.	/En		
If a Waterco	arse was Im	spected, Descr	ibe Fully.					1213	Hobbs	עט"	ti, j	
					٠			15	OCD	,	<u>.</u>	
								<u> </u>	. ,		<i>7</i>	
									3000 cc	(Ct)		
Describe Are	Describe Cause of Problem and Remedial Action Taken.* Abandoned 10 line separated at weld connection of 4 inch adjoining line. The 10 inch line was cut and capped. The line is abandoned so information concerning volume and pressure on line is unavailable.  Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was									act was		
1,572 square				-								
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.									ndanger f liability ıman health			
Signature ameles Luneldo					OIL CONSERVATION DIVISION							
Printed Name: Camille Reynolds  Approved by District Supervisor:												
Title: Remed	ation Coon	dinator	, <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>			Approval Dat	t:	Expiration	Expiration Date:			
E-mail Addre	ss: cjreynol	ids@pealp.com	m		_	Conditions of	Approval:		Attached			
Date: 10-21-0	14			Phone:505-441-0	965							
Attach Additional Sheets If Necessary												