AP - 52

STAGE 1 & 2 WORKPLANS

DATE: 9-22-06

AP052

PLAINS PIPELINE

September 22, 2006

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

2006 SEP 28 PM 2 05

Re: Plains Pipeline Abatement Plan Response
CS Caylor Release Site
Unit Letter B of Section 6, Township 17 South, Range 37 East
Lea County, New Mexico

Dear Mr. Stone:

Included herewith, please find the response to the conditions and understandings outlined in the NMOCD Abatement Plan approval letter dated January 18, 2006 for the Plains Pipeline CS Caylor release site located in Unit Letter B of Section 6, Township 17 South and Range 37 East, Lea County, New Mexico.

Should you have any questions or comments, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American Pipeline

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosure

September 5, 2006

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

Re: Plains Pipeline, L.P. C.S. Cayler (Plains ref# 2002-10250)
UL-B (NW¼ of the NE¼) of Section 6, T17S, R37E
Latitude: 32° 52' 2.45"N and Longitude: 103° 17' 17.73"W
Landowner: Robert C. Rice
Driving Directions: From the intersection of NMSR 18 and NMSR 82 in Lovington, NM, go south on NMSR 18, 6.0 miles, then right (west) on caliche road 400 feet, then left (south) .5 mile, then left (east) .2 miles to the work location.

Dear Mr. Stone:

Environmental Plus, Inc. (EPI), on behalf of Plains Pipeline, L.P. (Plains), submits this response to the conditions and understandings in the NMOCD letter dated January 18, 2006 approving the Stage 1 and Stage 2 Abatement Plan for the Plains C.S. Cayler Release Site (Plains ref# 2002-10250). The approval conditions (#.) are reiterated below followed by the Plains response.

1. "Groundwater impact at the site will be further delineated as described in section 3.7 of the proposal entitled "Proposed Monitoring Wells" and further detailed in Figure 30. A report shall be submitted to the NMOCD Santa Fe office after installation of these additional monitor wells containing well completion data and groundwater sample analyses of water collected from these wells."

   Response: Included as Attachment I are the engineered survey plat of the site groundwater monitoring wells; Table 3 – Summary of Groundwater Analytical Results; the August 14, 2006 groundwater the contaminant concentration map; the August 14, 2006 groundwater contour map and the construction diagrams for groundwater monitoring wells MW-11 through MW-17.

   Discussion of Groundwater Analytical Results and Proposal: The laboratory results from analysis of the groundwater samples collected during the August 14, 2006 sampling event indicate the areal extents of the dissolved phase BTEX constituents, (i.e., benzene, toluene, ethylbenzene, and total xylenes) in excess of the New Mexico Water Quality Control Commission (WQCC) standards are bounded upgradient to the northwest by monitoring wells MW-16 and MW-17, to the east by monitoring well MW-10, to the southeast by monitoring well MW-11, to the southwest by monitoring well MW-13 and to the west by monitoring wells MW-14 and MW-15. The second and third quarter benzene concentrations in monitoring well MW-9 to the northeast and monitoring well MW-12 to south were in excess of the 10.0 µg/L WQCC standard. The xylene standard of 620 µg/L was exceeded in monitoring well MW-12. To bound the dissolved phase BTEX plume along the south radian, Plains proposes to install monitoring well MW-18 approximately 100-feet down gradient of monitoring well MW-12 (reference Figure 9a in Attachement I).

ENVIRONMENTAL PLUS, INC.

Discussion of Potential Off-site Encroachment: Approximately 50-feet due west of monitoring well MW-12 is an abandoned tank battery initially constructed, according to available well files, in the early 1950's by Skelly Oil Company to store and manage produced fluids, (i.e., crude oil and produced water) and natural gas when the C.S. Caylor lease was being developed. It is not known when the tank battery was abandoned. The tank battery vessels were removed from the site sometime after November 11, 1997 as they are visible in the USGS aerial photograph from that date included in Attachment I. Because of the proximity of impacted monitoring wells MW-5 and MW-12 to the abandoned tank battery and the fact that the tank battery has not been delineated, it is possible that historical releases from the abandoned tank battery are contributing to the impacts currently monitored in monitoring wells MW-5 and MW-12. Monitoring well MW-18 should provide additional objective information.

2. "Per section 2.1.12 of the proposal, Plains All American Pipeline (Plains) shall submit soil sampling results obtained during the installation of the proposed monitor wells MW11 through MW16. Upon receiving this report, the NMOCD will make a determination as to the necessity for additional boreholes inside the perimeter of the existing excavation."

   Response: Included as Attachment II are *Table 1*, (i.e., analytical results summary) and the laboratory reports from analysis of soil samples collected during installation of the groundwater monitoring wells MW-11 through MW-17. The BTEX and TPH (i.e., benzene, toluene, ethylbenzene and total xylenes and total petroleum hydrocarbons) laboratory analytical results from analysis of the soil samples collected during installation of the groundwater monitoring wells were all below the respective NMOCD remedial goals and supports the conclusion that soils in the area of the groundwater monitoring well locations were not impacted previously by crude oil.

3. "Plains will continue the annual reporting to the NMOCD as described in section 2.13 of the proposal."

   Response: Plains will continue annual reporting to the NMOCD.

4. "Per proposal section 2.11.8.1, Plains is proposing to remediate soil at the site to levels that "may be in excess of the NMOCD remedial goals prescribed according to the site rank." Such acceptable levels have yet to be determined. Plains will propose alternative soil remediation levels and obtain NMOCD approval before any backfilling of the excavation takes place. Additionally, no backfilling activities shall take place before NMOCD personnel have inspected the site."

   Response/Clarification: This proposal is intended to apply only to the unexcavated in-situ impacted soil column from a depth of approximately 7-feet below ground surface (bgs) down to the groundwater at a depth of approximately 72-feet bgs. Impacted soils, down to a depth of approximately 7-feet bgs have been excavated and remediated to below the NMOCD site ranking remedial goals for the soil strata from the surface down to a depth of 22-feet bgs, (i.e., 1,000 mg/Kg TPH, 10 mg/Kg benzene and 50 mg/Kg BTEX). Plains is proposing a conservative risk-based closure supported by the installation of an impermeable barrier that will permanently isolate the crude oil source term below 7-feet bgs (current depth of excavation) and will eliminate the vertical migration pathway. The soils intended for use as backfill have been remediated to less than <1,000 mg/Kg TPH, <10 mg/Kg benzene and <50 mg/Kg BTEX. Plains will keep the NMOCD informed of site activities during implementation of the Abatement Plan and facilitate inspections prior to barrier installation and backfilling.

5. "Section 3.2 of the proposal is agreed to, in principle, contingent upon NMOCD inspection of the site before installation of the "oversized engineered barrier" and the NMOCD approval of the Plains' report showing the soil sample analyses."

   Response: Plains will notify the NMOCD requesting inspection of the excavation prior to installation of the "oversized engineered barrier."

   Response and Discussion: Per Section 3.2.1.1 – "3-foot Clean Buffer," On May 16, 2006, after notification of the NMOCD, discrete soil samples were collected from the sides and from the floor at points within 3-feet of the excavation wall and submitted to the laboratory for analysis of TPH and BTEX. BTEX was not detected in any of the 25 sidewall or 25 floor samples. TPH was detected in 2 of the 25 sidewall samples from locations in the northeast part of the excavation but were below the 1,000 mg/Kg remedial goal, (i.e., Sidewall S-24-3' = 210 mg/Kg amd Bottom B-22-6' = 21.2 mg/Kg). These data support the conclusion that a 3-foot clean perimeter buffer has been established. Included as Attachment III is the "Sample location map 5/16/2006," Table 9 - the analytical results summary and the laboratory report.

   Response and Discussion: Per Section 3.2.1.2 – "Attenuation Cell," Prior to using the attenuation cell soil as backfill, soil samples will be collected from each quadrant of the cell and submitted to the laboratory for TPH and BTEX analysis to supplement and confirm the acceptable data obtained in December 2004. (reference Table 3 of Abatement Plan)

6. "Plains shall not receive soil closure approval until the NMOCD is satisfied that soil contamination at the site will not pose a threat to fresh water, public health or the environment."

   Response: When successfully implemented, the Stage 2Abatement Plan will remediate the groundwater to acceptable levels, effectively isolate the hydrocarbon residuals allowing natural attenuation to occur and restore the surface to agricultural productivity.

7. "Vapor extraction and product recovery, will not deviate from the description of such activities shown in sections 3.2.6 and 3.3 of proposal."

   Response: Phase separated hydrocarbon (PSH) recovery and vapor extraction is ongoing. Permanent well caps will be installed after the barrier is installed and the excavation backfilled and contoured.

8. "Groundwater remediation and a monitoring schedule will be accomplished according to sections 3.8 and 3.9 of the proposal respectively."

   Response: Plains will continue PSH recovery and groundwater monitoring accordingly and submit the Annual Report(s) documenting status and progress.

Should there be any questions please call me at the office or Camille Reynolds at 505.441.0965. All official communication should be addressed to:

Camille Reynolds
Plains Pipeline, L.P.
3112 West US Highway 82
Lovington, New Mexico 88260
e-mail: CJReynolds@paalp.com

Sincerely,

Pat McCasland
Senior Consultant
(pmccasland@envplus.net)

cc: Larry Johnson, NMOCD Hobbs
Camille Reynolds, Plains Pipeline, L.P.
Jeff Dann, Plains Pipeline, L.P. (JPDann@paalp.com)
file

Enclosures: Attachment I

Engineered survey plat of the site groundwater monitoring wells
Table 3 – Summary of Groundwater Analytical Results
Figure 10 - Contaminant Concentration Map 8-14-06
Figure 11 - Groundwater Contour Map 8-14-06
Groundwater monitoring well construction diagrams (MW11 through MW17)
Figure 9a – Proposed Groundwater Monitoring Well Location Map
USGS Aerial Photograph (annotated) November 11, 1997

Attachment II

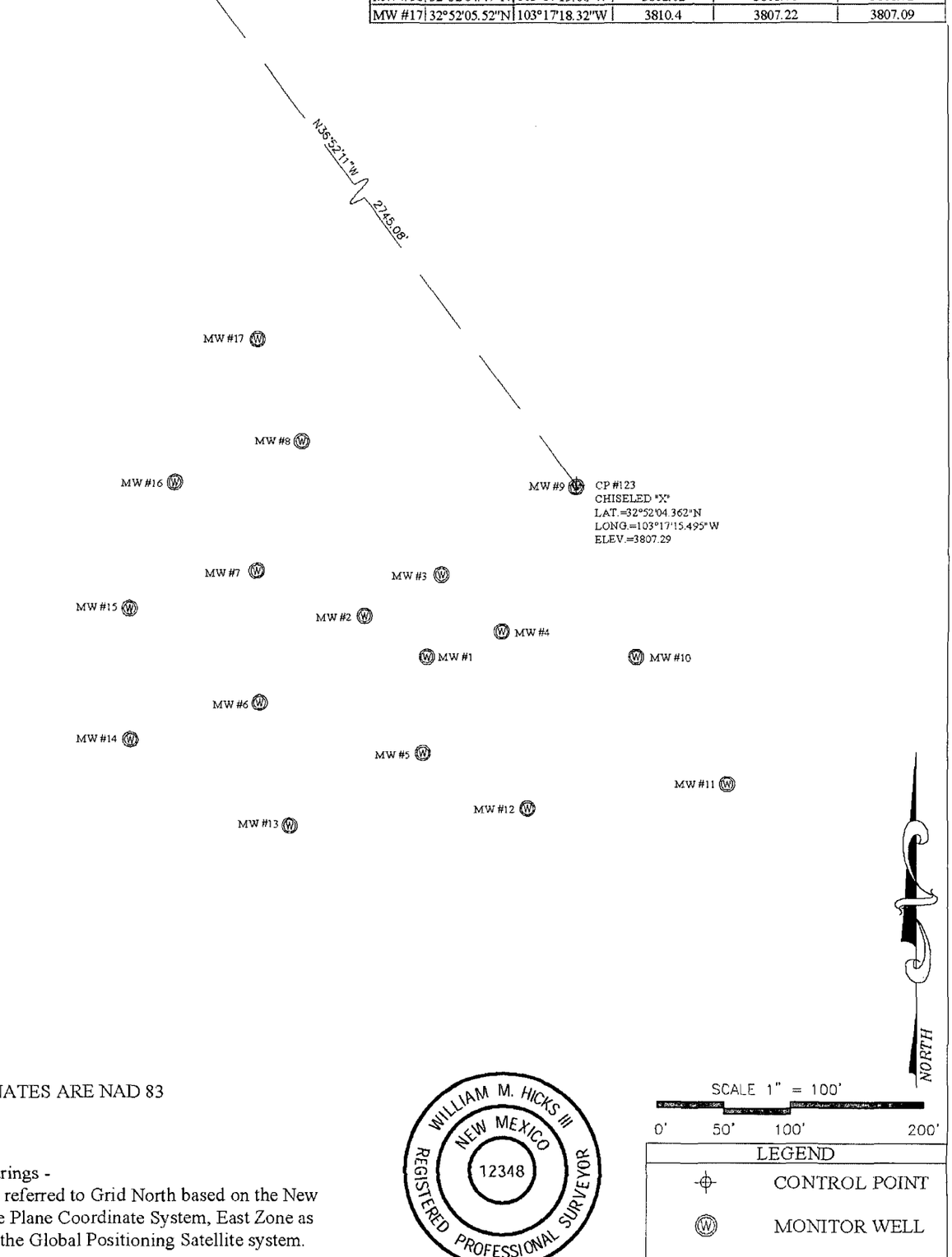
Tabel 1 – Soil Analytical Results Summary – MW11 through MW17
Laboratory report – MW11 through MW17

Attachment III

Figure 4 - Sample Location Map 5-16-06
Table 9 - Analytical Results Summary
Laboratory Report – Sidewalls and Floor

ATTACHMENT I

WELL	LATITUDE	LONGITUDE	CASING ELEV.	CONCRETE ELEV.	GROUND ELEV.
MW #1	32°52'03.10"N	103°17'16.83"W	3803.97	3800.47	3800.24
MW #2	32°52'03.41"N	103°17'17.39"W	3803.93	3801.13	3800.93
MW #3	32°52'03.71"N	103°17'16.70"W	3810.2	3807.44	3807.22
MW #4	32°52'03.28"N	103°17'16.16"W	3810.7	3807.63	3807.4
MW #5	32°52'02.39"N	103°17'16.87"W	3809.05	3806.01	3805.85
MW #6	32°52'02.77"N	103°17'16.32"W	3809.17	3806.54	3806.31
MW #7	32°52'03.75"N	103°17'18.34"W	3809.95	3807.41	3807.27
MW #8	32°52'04.70"N	103°17'17.93"W	3810.29	3807.72	3807.62
MW #9	32°52'04.34"N	103°17'15.50"W	3809.81	3807.34	3806.99
MW #10	32°52'03.09"N	103°17'14.98"W	3809.94	3806.95	3806.81
MW #11	33°52'02.20"N	103°17'14.18"W	3808.95	3808.95	3805.67
MW #12	32°52'02.03"N	103°17'15.95"W	3809.63	3806.52	3806.4
MW #13	32°52'01.93"N	103°17'18.07"W	3809.42	3806.26	3806.22
MW #14	33°52'02.58"N	103°17'19.48"W	3809.46	3806.38	3806.3
MW #15	33°52'03.55"N	103°17'19.48"W	3810.77	3807.61	3807.54
MW #16	32°52'04.47"N	103°17'19.06"W	3812.02	3808.78	3808.72
MW #17	32°52'05.52"N	103°17'18.32"W	3810.4	3807.22	3807.09



NOTE:
- COORDINATES ARE NAD 83

Basis of Bearings -
Bearings are referred to Grid North based on the New Mexico State Plane Coordinate System, East Zone as observed by the Global Positioning Satellite system.

WILLIAM M. HICKS III
NEW MEXICO
12348
REGISTERED PROFESSIONAL SURVEYOR

SCALE 1" = 100'

0' 50' 100' 200'

LEGEND

- CONTROL POINT
- MONITOR WELL
- SWING TIE

PETTIGREW AND ASSOCIATES
1110 N. GRIMES HOBBS, N.M. 88240
(505) 393-9827

REV	DATE	DESCRIPTION
0	07/24/2006	PLOTTED
00	07/24/2006	PRELIMINARY PLAT
		DATE OF SURVEY

PLAT OF MONITOR WELL SURVEY FOR
PLAINS PIPELINE, L.P.
CS CAYLER 2002-10250

PROJ. No.	2006.1068	DRN BY:	P. DAVIS
DWG	ACAD PPL\CAYLER\dwg\Monitor Wells.dwg		
BOOK		SHT.	1 of 1

Table 3
Plains Marketing, L.P.
C. S. Cayler - Ref. #2002-10250
Summary of Groundwater Analytical Results

Monitoring Well #	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylenes (µg/L)	o-Xylene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
MW-1	22-Sep-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	19-Nov-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	31-Mar-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	12-May-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	22-Aug-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Nov-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	01-Mar-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	25-May-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Aug-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
MW-2	22-Sep-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	19-Nov-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	31-Mar-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	12-May-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	22-Aug-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Nov-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	01-Mar-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	25-May-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Aug-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
MW-3	22-Sep-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	19-Nov-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	31-Mar-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	12-May-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	22-Aug-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Nov-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	01-Mar-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	25-May-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Aug-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
MW-4	22-Sep-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	19-Nov-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	31-Mar-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	12-May-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	22-Aug-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Nov-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	01-Mar-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	25-May-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Aug-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184225 **Report Date:** 08/24/06
Project ID: 2002-10250
Sample Name: MW-6
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/14/2006 **Time:** 10:55

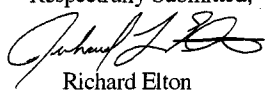
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/21/06	8260b(5030/5035)	---	---	---	---	---
Benzene	**863**	µg/L	100	<100	08/21/06	8260b	---	2.4	100.1	100.3	96.9
Ethylbenzene	<100	µg/L	100	<100	08/21/06	8260b	---	4.6	102.3	93.6	99
m,p-Xylenes	<200	µg/L	200	<200	08/21/06	8260b	J	4	100.4	92.2	98.1
o-Xylene	<100	µg/L	100	<100	08/21/06	8260b	J	2.9	101.9	93.6	99.3
Toluene	<100	µg/L	100	<100	08/21/06	8260b	J	3.3	102.1	98.3	97.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,



Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10250	**Report#/Lab ID#:** 184225
Attn: Pat McCasland	**Sample Name:** MW-6	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	70-130	08/21/06	---
Toluene-d8	8260b	105	80-125	08/21/06	---

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

Exceptions Report:

Report #/Lab ID#: 184225 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2002-10250
Sample Name: MW-6

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184226 **Report Date:** 08/24/06
Project ID: 2002-10250
Sample Name: MW-9
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/14/2006 **Time:** 08:55

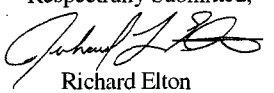
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/22/06	8260b(5030/5035)	---	---	---	---	---
Benzene	**15.2**	µg/L	1	<1	08/22/06	8260b	,S,M	4.1	78.6	98.5	98.5
Ethylbenzene	<1	µg/L	1	<1	08/22/06	8260b	J	0.7	94	99.3	98.4
m,p-Xylenes	<2	µg/L	2	<2	08/22/06	8260b	J	0.9	92.8	96.2	95.7
o-Xylene	<1	µg/L	1	<1	08/22/06	8260b	---	0	96.4	96.3	96.4
Toluene	<1	µg/L	1	<1	08/22/06	8260b	---	4	98.8	99.7	96

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,



Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10250	**Report#/Lab ID#:** 184226
Attn: Pat McCasland	**Sample Name:** MW-9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	70-130	08/22/06	---
Toluene-d8	8260b	99.3	80-125	08/22/06	---

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

Exceptions Report:

Report #/Lab ID#: 184226 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2002-10250
Sample Name: MW-9

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzene	S,M	Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184227 **Report Date:** 08/24/06
Project ID: 2002-10250
Sample Name: MW-10
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/14/2006 **Time:** 08:35

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		08/22/06	8260b(5030/5035)	---	---	---	---	---
Benzene	**7.1**	µg/L	1	<1	08/22/06	8260b	,S,M	4.1	78.6	98.5	98.5
Ethylbenzene	<1	µg/L	1	<1	08/22/06	8260b	J	0.7	94	99.3	98.4
m,p-Xylenes	<2	µg/L	2	<2	08/22/06	8260b	J	0.9	92.8	96.2	95.7
o-Xylene	<1	µg/L	1	<1	08/22/06	8260b	J	0	96.4	96.3	96.4
Toluene	<1	µg/L	1	<1	08/22/06	8260b	---	4	98.8	99.7	96

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL). typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10250	**Report#/Lab ID#:** 184227
Attn: Pat McCasland	**Sample Name:** MW-10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	110	70-130	08/22/06	---
Toluene-d8	8260b	99.1	80-125	08/22/06	---

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

Exceptions Report:

Report #/Lab ID#: 184227 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2002-10250
Sample Name: MW-10

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzene	S,M	Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.

Notes:

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184228 **Report Date:** 08/24/06
Project ID: 2002-10250
Sample Name: MW-11
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/14/2006 **Time:** 08:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		08/21/06	8260b(5030/5035)	---	---	---	---	---
Benzene	**1.81**	µg/L	1	<1	08/21/06	8260b	---	2.4	100.1	100.3	96.9
Ethylbenzene	<1	µg/L	1	<1	08/21/06	8260b	---	4.6	102.3	93.6	99
m,p-Xylenes	<2	µg/L	2	<2	08/21/06	8260b	J	4	100.4	92.2	98.1
o-Xylene	<1	µg/L	1	<1	08/21/06	8260b	---	2.9	101.9	93.6	99.3
Toluene	<1	µg/L	1	<1	08/21/06	8260b	---	3.3	102.1	98.3	97.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10250	**Report#/Lab ID#:** 184228
Attn: Pat McCasland	**Sample Name:** MW-11	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	70-130	08/21/06	---
Toluene-d8	8260b	102	80-125	08/21/06	---

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

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10250	**Report#/Lab ID#:** 184229
Attn: Pat McCasland	**Sample Name:** MW-12	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	70-130	08/23/06	---
Toluene-d8	8260b	103	80-125	08/23/06	---

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

Exceptions Report:

Report #/Lab ID#: 184229 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2002-10250
Sample Name: MW-12

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

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Client: Environmental Plus, Inc.
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Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184230 **Report Date:** 08/24/06
Project ID: 2002-10250
Sample Name: MW-13
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/14/2006 **Time:** 07:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		08/18/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/18/06	8260b	J	2.7	94.8	93.6	92.6
Ethylbenzene	<1	µg/L	1	<1	08/18/06	8260b	---	4.6	105	104.7	103.6
m,p-Xylenes	<2	µg/L	2	<2	08/18/06	8260b	---	4.7	105	104.6	104.1
o-Xylene	<1	µg/L	1	<1	08/18/06	8260b	---	4.8	108.2	108.6	107.2
Toluene	<1	µg/L	1	<1	08/18/06	8260b	---	4.1	98.4	99.4	96.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10250	**Report#/Lab ID#:** 184230
Attn: Pat McCasland	**Sample Name:** MW-13	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	110	70-130	08/18/06	---
Toluene-d8	8260b	101	80-125	08/18/06	---

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

Exceptions Report:

Report #/Lab ID#: 184230 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2002-10250
Sample Name: MW-13

Sample Temperature/Condition: <=6°C

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

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Comments pertaining to Data Qualifiers and QC data:

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

Notes: _____

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184231 **Report Date:** 08/24/06
Project ID: 2002-10250
Sample Name: MW-14
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/14/2006 **Time:** 10:35

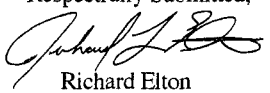
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/23/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/23/06	8260b	---	0.8	95.6	94.3	96.1
Ethylbenzene	<1	µg/L	1	<1	08/23/06	8260b	---	2.1	97.2	93.3	94.6
m,p-Xylenes	<2	µg/L	2	<2	08/23/06	8260b	---	2.6	95.2	91	93.3
o-Xylene	<1	µg/L	1	<1	08/23/06	8260b	---	3	96.6	92.5	95.1
Toluene	<1	µg/L	1	<1	08/23/06	8260b	---	1.5	95.5	92.6	96.4

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,



Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10250	**Report#/Lab ID#:** 184231
Attn: Pat McCasland	**Sample Name:** MW-14	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	70-130	08/23/06	---
Toluene-d8	8260b	99.3	80-125	08/23/06	---

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

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184232 **Report Date:** 08/24/06
Project ID: 2002-10250
Sample Name: MW-15
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/14/2006 **Time:** 10:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/23/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/23/06	8260b	---	0.8	95.6	94.3	96.1
Ethylbenzene	<1	µg/L	1	<1	08/23/06	8260b	---	2.1	97.2	93.3	94.6
m,p-Xylenes	<2	µg/L	2	<2	08/23/06	8260b	---	2.6	95.2	91	93.3
o-Xylene	<1	µg/L	1	<1	08/23/06	8260b	---	3	96.6	92.5	95.1
Toluene	<1	µg/L	1	<1	08/23/06	8260b	---	1.5	95.5	92.6	96.4

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10250	**Report#/Lab ID#:** 184232
Attn: Pat McCasland	**Sample Name:** MW-15	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	70-130	08/23/06	---
Toluene-d8	8260b	99.2	80-125	08/23/06	---

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

ANALYSYS INC.

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Client: Environmental Plus, Inc.
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Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184233 **Report Date:** 08/24/06
Project ID: 2002-10250
Sample Name: MW-16
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/14/2006 **Time:** 09:45

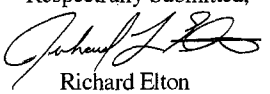
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/23/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/23/06	8260b	---	0.8	95.6	94.3	96.1
Ethylbenzene	<1	µg/L	1	<1	08/23/06	8260b	---	2.1	97.2	93.3	94.6
m,p-Xylenes	<2	µg/L	2	<2	08/23/06	8260b	---	2.6	95.2	91	93.3
o-Xylene	<1	µg/L	1	<1	08/23/06	8260b	---	3	96.6	92.5	95.1
Toluene	<1	µg/L	1	<1	08/23/06	8260b	---	1.5	95.5	92.6	96.4

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,



Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10250	**Report#/Lab ID#:** 184233
Attn: Pat McCasland	**Sample Name:** MW-16	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	70-130	08/23/06	---
Toluene-d8	8260b	98.7	80-125	08/23/06	---

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

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184234 **Report Date:** 08/24/06
Project ID: 2002-10250
Sample Name: MW-17
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/14/2006 **Time:** 09:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/23/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/23/06	8260b	J	0.8	95.6	94.3	96.1
Ethylbenzene	<1	µg/L	1	<1	08/23/06	8260b	---	2.1	97.2	93.3	94.6
m,p-Xylenes	<2	µg/L	2	<2	08/23/06	8260b	---	2.6	95.2	91	93.3
o-Xylene	<1	µg/L	1	<1	08/23/06	8260b	---	3	96.6	92.5	95.1
Toluene	<1	µg/L	1	<1	08/23/06	8260b	---	1.5	95.5	92.6	96.4

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10250	**Report#/Lab ID#:** 184234
Attn: Pat McCasland	**Sample Name:** MW-17	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	70-130	08/23/06	---
Toluene-d8	8260b	99	80-125	08/23/06	---

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

Exceptions Report:

Report #/Lab ID#: 184234 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2002-10250
Sample Name: MW-17

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

16240

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

Chain of Custody Form

LAB: Analysis

Company Name	Environmental Plus, Inc.
EPI Project Manager	Pat McCasland
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains Pipeline
Facility Name	CS Cayler Gathering
Location	UL-B, Sec. 06, T 17 S, R 37 E
Project Reference	2002-10250
EPI Sampler Name	Jacob Melancon

Bill To:

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: ENV Accounts Payable
PO Box 4648,
Houston, TX 77210-4648

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
184225 1	MW-6		4	X						X	X		14-Aug-06	10:55	X										
184226 2	MW-9		4	X						X	X		14-Aug-06	8:55	X										
184227 3	MW-10		4	X						X	X		14-Aug-06	8:35	X										
184228 4	MW-11		4	X						X	X		14-Aug-06	8:15	X										
184229 5	MW-12		4	X						X	X		14-Aug-06	7:50	X										
184230 6	MW-13		4	X						X	X		14-Aug-06	7:30	X										
184231 7	MW-14		4	X						X	X		14-Aug-06	10:35	X										
184232 8	MW-15		4	X						X	X		14-Aug-06	10:10	X										
184233 9	MW-16		4	X						X	X		14-Aug-06	9:45	X										
184234 10	MW-17		4	X						X	X		14-Aug-06	9:25	X										

Sampler Relinquished: Jacob Melancon
Date 8-14-06
Time 3:00
Relinquished by:
Date
Time
Received By:
Received By: (lab staff) 8-17-06 945 ASI
Delivered by:
Sample Cool & Intact Yes No
Checked By:

E-mail results to: pmccasland@envplus.net and cjreynolds@paalp.com

REMARKS:

T: 4.5 C

Table 3
Plains Marketing, L.P.
C. S. Cayler - Ref. #2002-10250
Summary of Groundwater Analytical Results

Monitoring Well #	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylenes (µg/L)	o-Xylene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
MW-5	22-Sep-04	<1	<1	<1	<2	<1	<3	<0.5	<0.5
	19-Nov-04	Not Sampled							
	31-Mar-05	**3,140**	49.8	142	7.63	125	133		
	12-May-05	**4,250**	8.93	313	<2	184	184		
	22-Aug-05	**20,300**	**2,240**	**1,420**	377	759	**1,140**		
	14-Nov-05	**19,500**	**847**	**904**	165	313	478		
	01-Mar-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	25-May-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Aug-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
MW-6	19-Nov-04	**635**	1.05	<1	9.81	<1	9.81		
	31-Mar-05	**702**	<1	<1	10.7	<1	10.7		
	12-May-05	**468**	1.39	<1	8.23	<1	8.23		
	22-Aug-05	**158**	<1	1.3	4.06	<1	4.06		
	14-Nov-05	**231**	5.74	1.97	7.89	1.07	8.96		
	01-Mar-06	90.9	3.82	<1	2.1	1.4	3.5		
	25-May-06	<1	<1	<1	<2	<1	<3		
	14-Aug-06	863	<100	<100	<200	<100	<300		
MW-7	19-Nov-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	31-Mar-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	12-May-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	22-Aug-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Nov-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	01-Mar-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	25-May-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Aug-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
MW-8	19-Nov-04	**1,440**	141	29.8	62.6	15.6	78.2		
	31-Mar-05	**915**	59.6	4.08	25.9	5.78	31.7		
	12-May-05	**737**	87.8	5.88	23.1	8.37	31.5		
	22-Aug-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Nov-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	01-Mar-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	25-May-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	14-Aug-06	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
MW-9	19-Nov-04	**42**	<1	<1	2.33	<1	2.33		
	31-Mar-05	**24**	<1	<1	3.02	<1	3.02		
	12-May-05	**11.5**	<1	<1	2.01	<1	2.01		
	22-Aug-05	**10.8**	<1	<1	7.07	<1	7.07		
	14-Nov-05	8.55	<1	<1	<2	<1	<3		
	01-Mar-06	5.37	<1	<1	<2	<1	<3		
	25-May-06	**28.9**	<1	<1	<2	<1	<3		
	14-Aug-06	**15.2**	<1	<1	<2	<1	<3		

Table 3
Plains Marketing, L.P.
C. S. Cayler - Ref. #2002-10250
Summary of Groundwater Analytical Results

Monitoring Well #	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylenes (µg/L)	o-Xylene (µg/L)	Total Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
MW-10	19-Nov-04	7.25	1.26	<1	36.7	<1	36.7		
	31-Mar-05	1.28	<1	<1	24.7	<1	24.7		
	12-May-05	3.16	<1	<1	7.93	<1	7.93		
	22-Aug-05	2.76	<1	<1	<2	<1	<3		
	14-Nov-05	8.09	<1	<1	<2	<1	<3		
	01-Mar-06	3.78	<1	<1	<2	<1	<3		
	25-May-06	6.63	<1	<1	<2	<1	<3		
	14-Aug-06	7.10	<1	<1	<2	<1	<3		
MW-11	01-Mar-06	<1	<1	<1	<2	<1	<3		
	25-May-06	<1	<1	<1	<2	<1	<3		
	14-Aug-06	1.81	<1	<1	<2	<1	<3		
MW-12	01-Mar-06	4.48	<1	7.38	11.9	<1	11.9		
	25-May-06	**750**	5.32	55.3	105	1.83	107		
	14-Aug-06	**10,700**	116	567	646	<100	**646**		
MW-13	01-Mar-06	<1	<1	<1	<2	<1	<3		
	25-May-06	<1	<1	<1	<2	<1	<3		
	14-Aug-06	<1	<1	<1	<2	<1	<3		
MW-14	01-Mar-06	<1	1.15	<1	<2	<1	<3		
	25-May-06	<1	1.85	<1	<2	<1	<3		
	14-Aug-06	<1	<1	<1	<2	<1	<3		
MW-15	01-Mar-06	<1	<1	<1	<2	<1	<3		
	25-May-06	<1	2.02	<1	<2	<1	<3		
	14-Aug-06	<1	<1	<1	<2	<1	<3		
MW-16	01-Mar-06	6.91	1.10	5.74	11.2	4.69	15.9		
	25-May-06	118	24.8	2.78	6.16	<1	6.16		
	14-Aug-06	<1	<1	<1	<2	<1	<3		
MW-17	01-Mar-06	Not Analyzed							
	25-May-06	<1	<1	<1	<2	<1	<3		
	14-Aug-06	<1	<1	<1	<2	<1	<3		
NMWQCC Limits		10	750	750			620		

µg/L - micrograms per liter
mg/L - milligrams per liter
TPH - Total Petroleum Hydrocarbons EPA method 8015M
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
Blank cells indicate that analysis was not performed.
NMWQCC - New Mexico Water Quality Control Commission

MW-17
Benzene ND
BTEX ND
PAH NS
PSH ND

Benzene NS
BTEX NS
PAH NS
PSH 3.21'
MW-8

MW-16
Benzene ND
BTEX ND
PAH NS
PSH ND

MW-9
Benzene 15.2 ug/L
BTEX ND
PAH NS
PSH ND

Benzene NS
BTEX NS
PAH NS
PSH 4.85'
MW-3

MW-7
Benzene NS
BTEX NS
PAH NS
PSH 4.73'

Berm

Dirt Road

MW-15
Benzene ND
BTEX ND
PAH NS
PSH ND

Benzene NS
BTEX NS
PAH NS
PSH 5.23'
MW-2

Benzene NS
BTEX NS
PAH NS
PSH 6.89'
MW-4

MW-1
Benzene NS
BTEX NS
PAH NS
PSH 1.30'

MW-10
Benzene 7.1 ug/L
BTEX ND
PAH NS
PSH ND

MW-6
Benzene 863 ug/L
BTEX ND
PAH NS
PSH ND

MW-14
Benzene ND
BTEX ND
PAH NS
PSH ND

MW-5
Benzene NS
BTEX NS
PAH NS
PSH 1.64

MW-11
Benzene 1.81 ug/L
BTEX ND
PAH NS
PSH ND

MW-12
Benzene 10,700 ug/L
BTEX 12,029 ug/L
PAH NS
PSH ND

MW-13
Benzene ND
BTEX ND
PAH NS
PSH ND

LEGEND

-℄Dirt Road-	Access Road
— OIL —	Oil Pipeline
⊗	Monitoring Well
⋈	Valve
	Fence
○▭○	Recovery System
ND	Not Detected
NS	Not Sampled
TPH	Total Petroleum Hydrocarbons
PSH	Phase Separated Hydrocarbons

Figure 10
Contaminant Concentration Map – 8/14/06
Plains Marketing, L.P.
C. S. Cayler

Lea County, New Mexico
NW 1/4 of the NE 1/4, Sec. 6, T17S, R37E
N 32° 52' 2.45" W 103° 17' 17.7"
Elevation: 3,810 feet amsl

DWG By: Iain Olness
September 2004

REVISED
Aug. 2006

0 75 150
Feet

SHEET
1 of 1

N

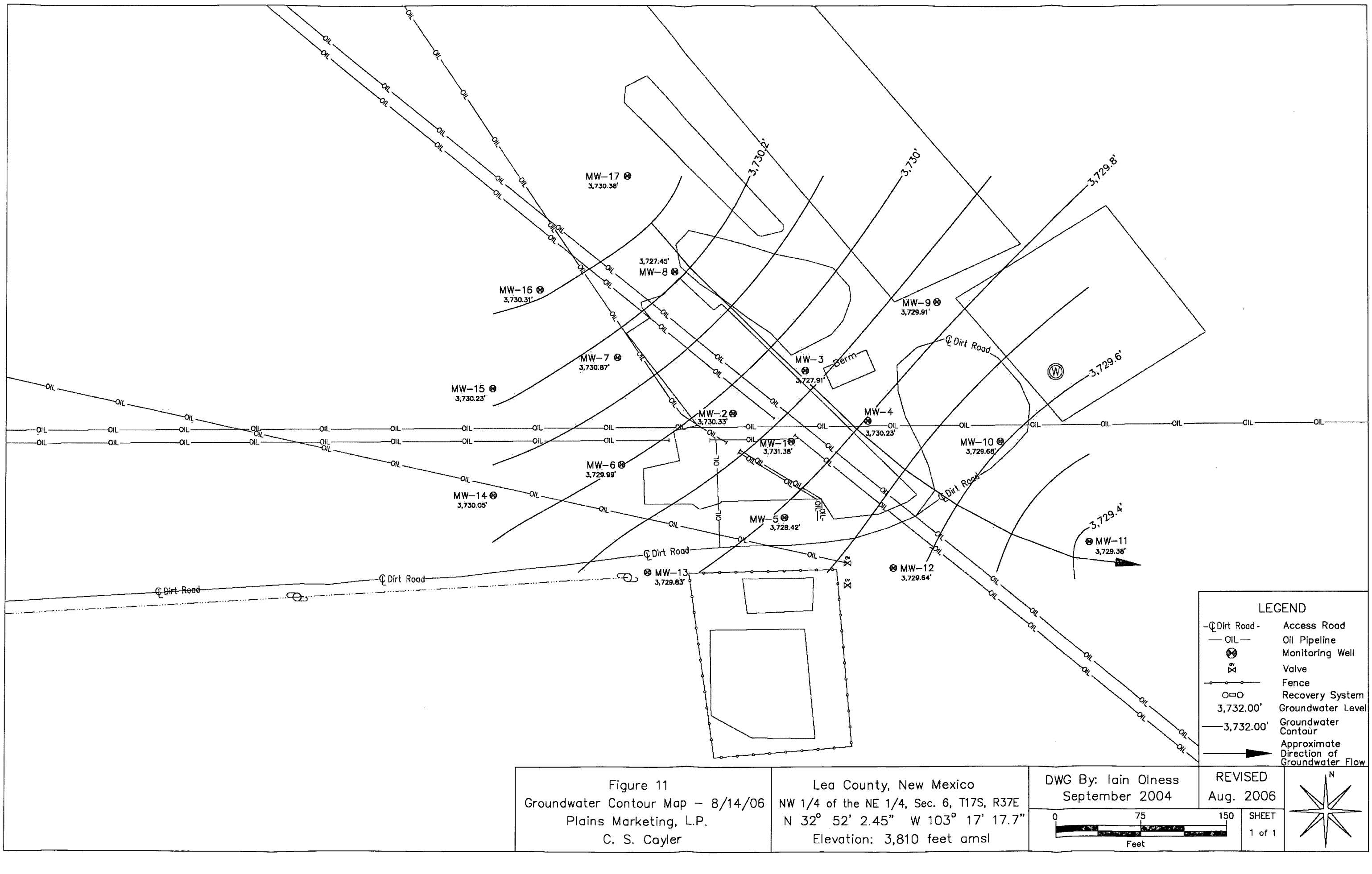


Figure 11
Groundwater Contour Map – 8/14/06
Plains Marketing, L.P.
C. S. Cayler

Lea County, New Mexico
NW 1/4 of the NE 1/4, Sec. 6, T17S, R37E
N 32° 52' 2.45" W 103° 17' 17.7"
Elevation: 3,810 feet amsl

DWG By: Iain Olness
September 2004

REVISED
Aug. 2006

0 75 150
Feet

SHEET
1 of 1

N

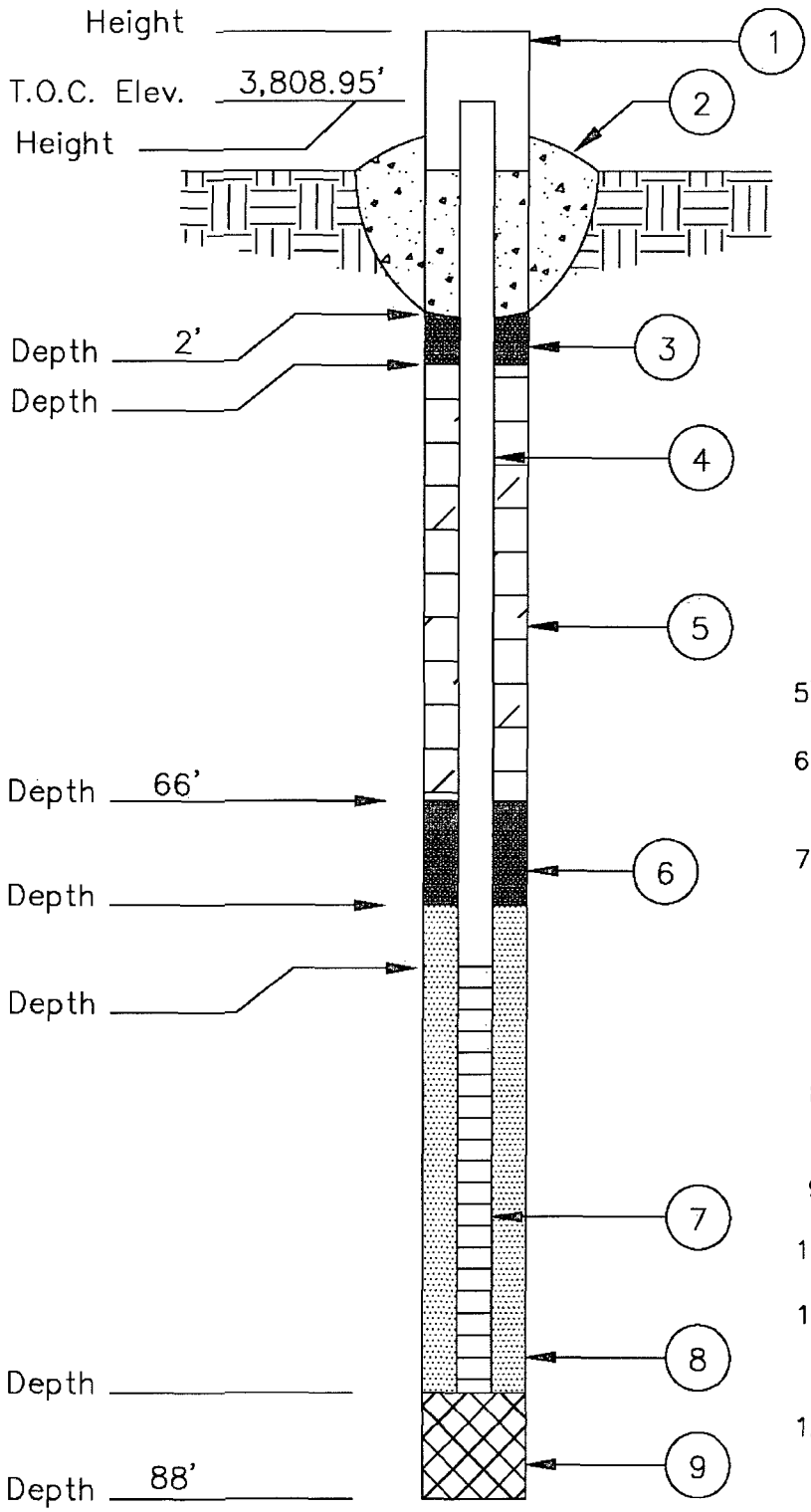
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2002-10250 Job Name: C.S. Cayler Gathering Boring / Well No. MW-11

Date: 06/28/06 Field Representative: EB State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed Concrete

4) Solid Pipe Type PVC

Solid Pipe Length 70 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill 9 bags of 3/8 holeplug

6) Type of Lower Seal if Installed

7) Screen Type P.V.C.
Screen Length 20 ft.

Slot Size .010"
Length 20 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen 20/40 Sand

9) Type of Backfill Native Material

10) Drilling Method Straub-Air Rotary Drill

11) Additives Used if any

12) Borehole Diameter 5" O.D. in.

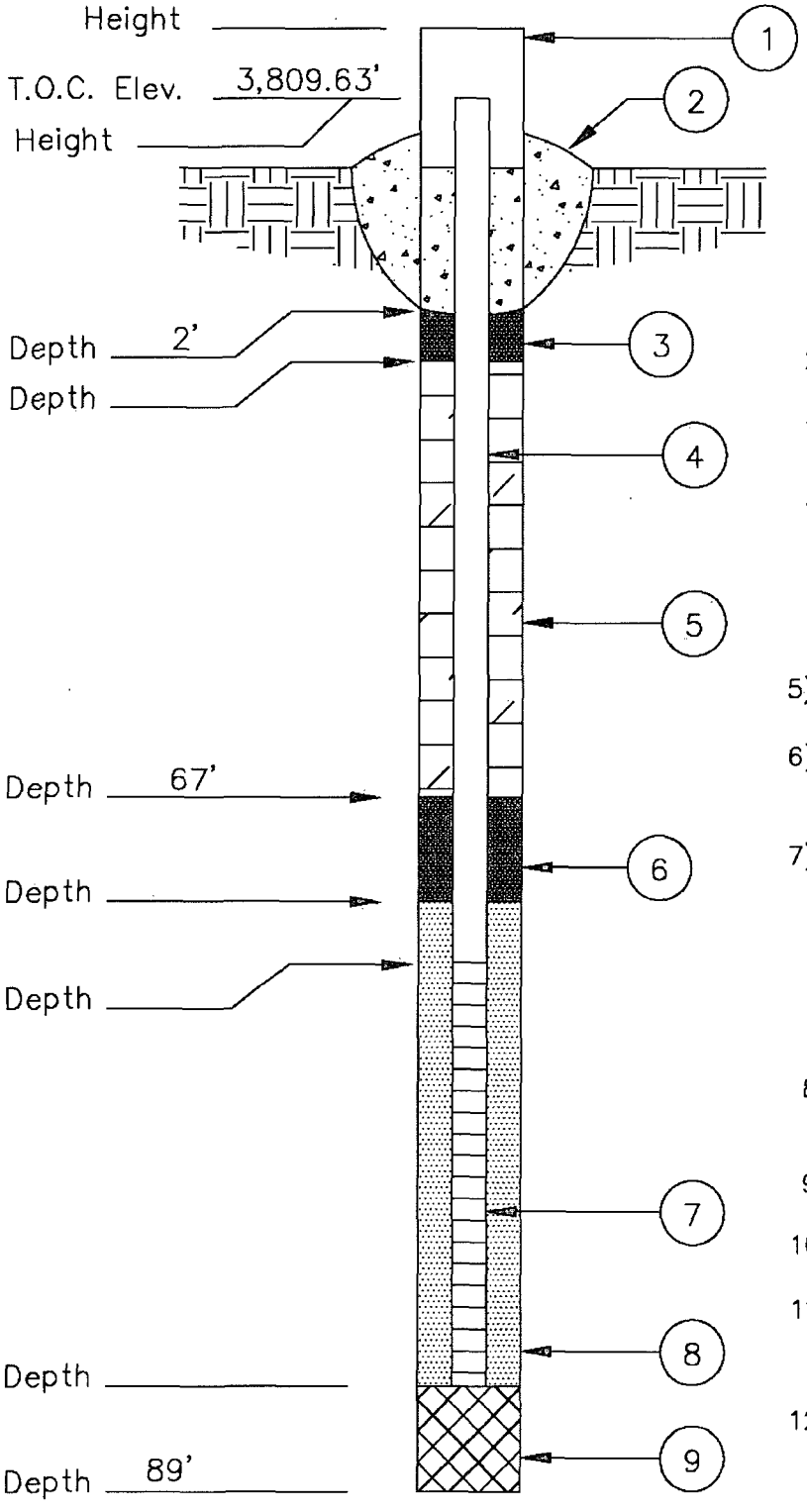
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2002-10250 Job Name: C.S. Cayler Gathering Boring / Well No. MW-12

Date: 06/28/06 Field Representative: EB State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed Concrete

4) Solid Pipe Type PVC

Solid Pipe Length 73 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill 9 bags of 3/8 holeplug

6) Type of Lower Seal if Installed

7) Screen Type P.V.C.
Screen Length 15 ft.

Slot Size .010"
Length 20 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen 20/40 Sand

9) Type of Backfill Native Material

10) Drilling Method Straub-Air Rotary Drill

11) Additives Used if any

12) Borehole Diameter 5" O.D. in.

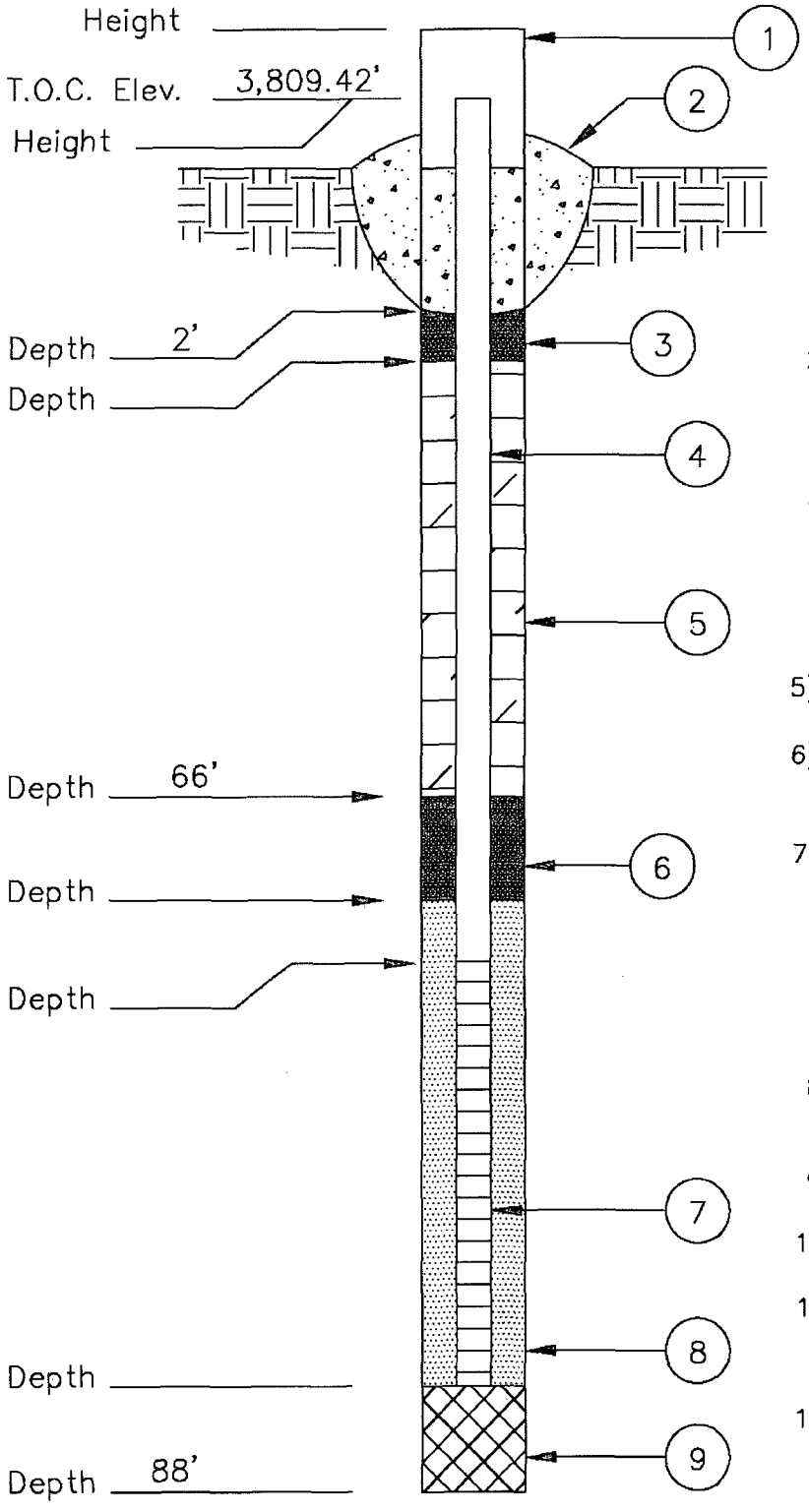
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2002-10250 Job Name: C.S. Cayler Gathering Boring / Well No. MW-13

Date: 06/28/06 Field Representative: EB State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed Concrete

4) Solid Pipe Type PVC

Solid Pipe Length 70 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill 9 bags of 3/8 holeplug

6) Type of Lower Seal if Installed

7) Screen Type P.V.C.
Screen Length 20 ft.

Slot Size .010"
Length 20 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen Silica Sand

9) Type of Backfill Native Material

10) Drilling Method Straub-Air Rotary Drill

11) Additives Used if any

12) Borehole Diameter 5" O.D. in.

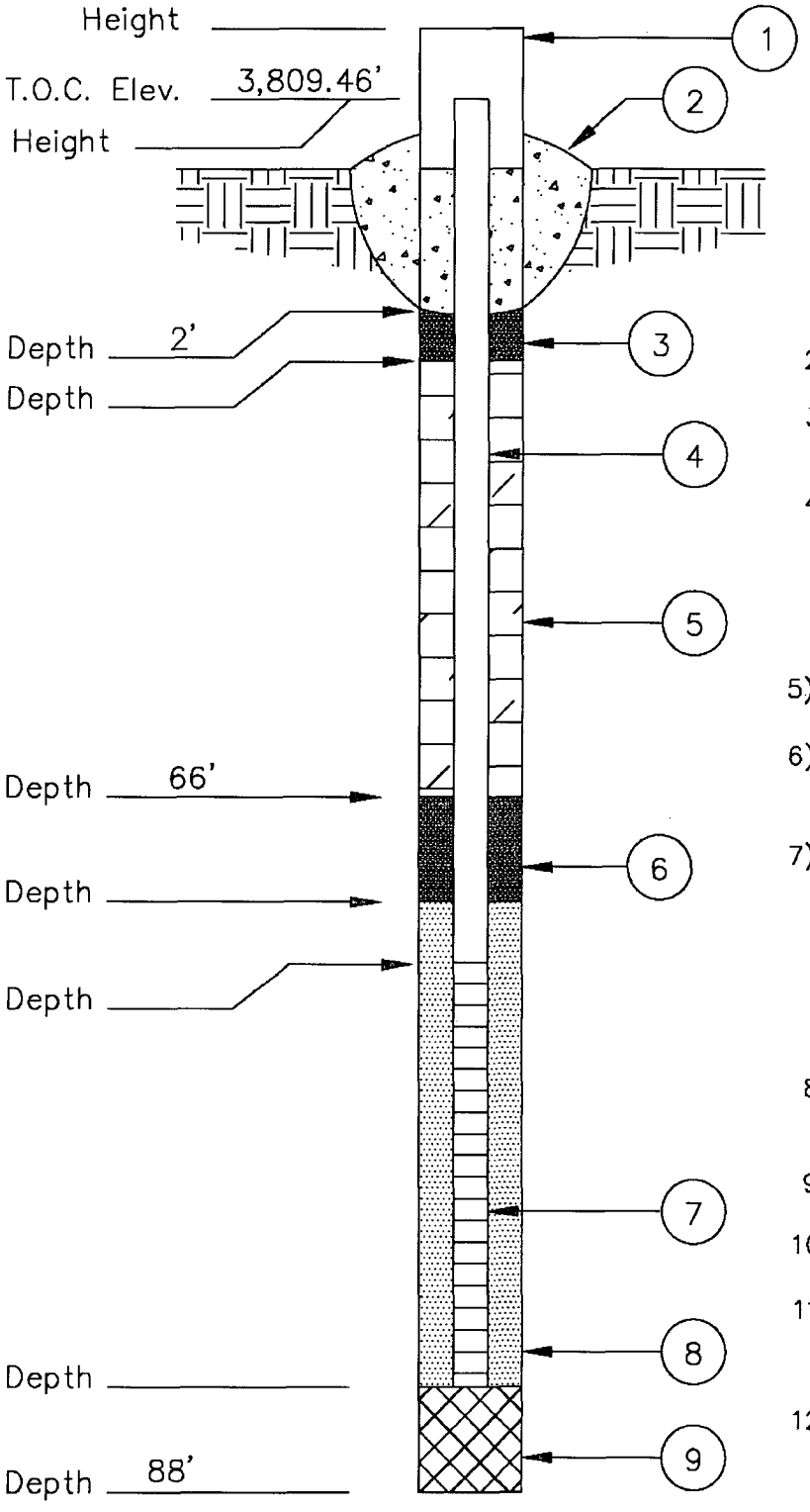
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2002-10250 Job Name: C.S. Cayler Gathering Boring / Well No. MW-14

Date: 06/28/06 Field Representative: EB State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed Concrete

4) Solid Pipe Type PVC

Solid Pipe Length 70 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill 10 bags of 3/8 holeplug

6) Type of Lower Seal if Installed

7) Screen Type P.V.C.
Screen Length 20 ft.

Slot Size .010"
Length 20 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen 6 bags of 20/40 sand

9) Type of Backfill

10) Drilling Method Straub-Air Rotary Drill

11) Additives Used if any

12) Borehole Diameter 5" O.D. in.

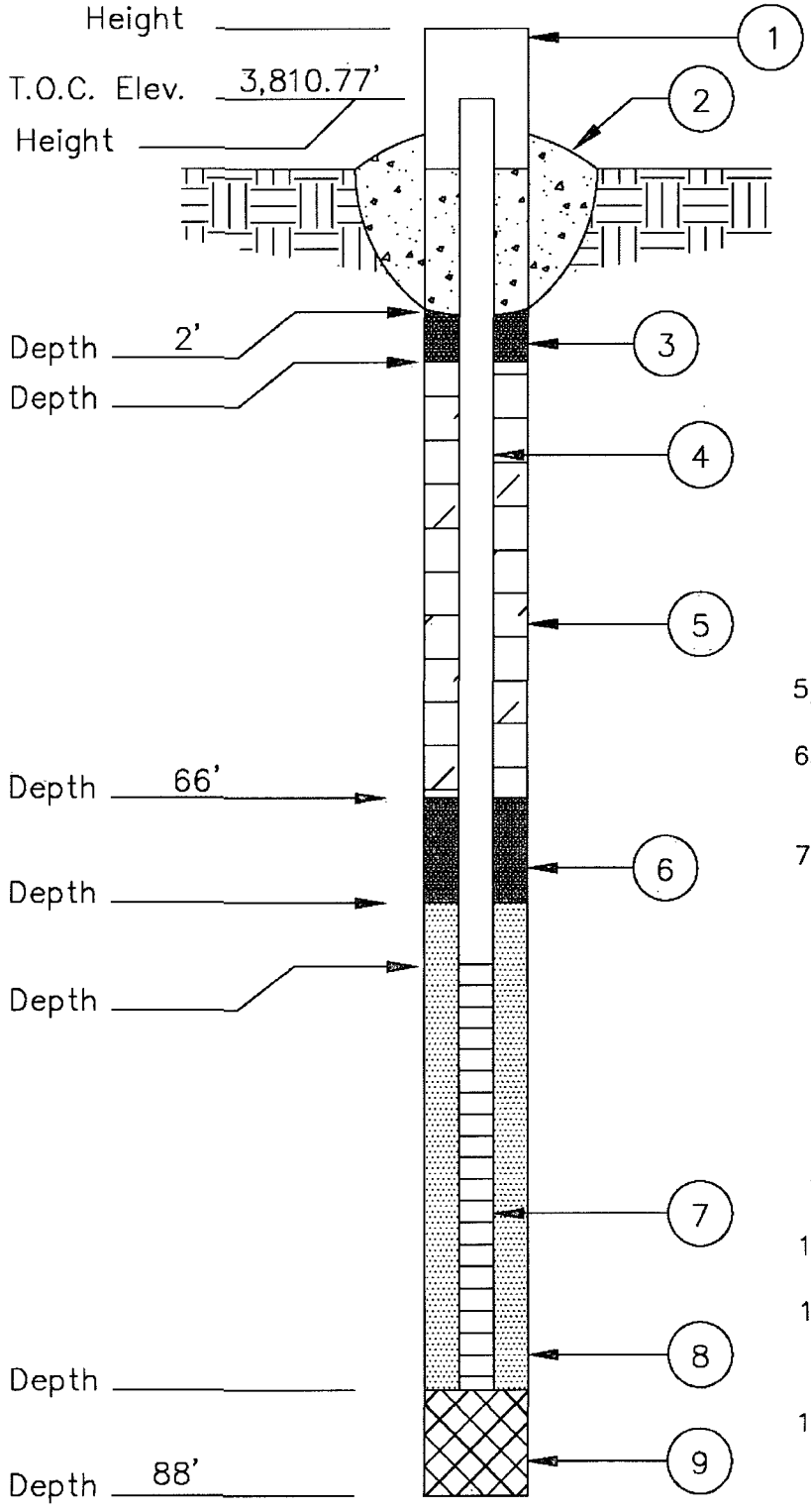
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND
ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2002-10250 Job Name: C.S. Cayler Gathering Boring / Well No. MW-15

Date: 06/28/06 Field Representative: EB State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed Concrete

4) Solid Pipe Type PVC

Solid Pipe Length 70 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill 10 bags of 3/8 holeplug

6) Type of Lower Seal if Installed

7) Screen Type P.V.C.
Screen Length 20 ft.

Slot Size .010"
Length 20 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen 5 bags of 20/40 sand

9) Type of Backfill

10) Drilling Method Straub-Air Rotary Drill

11) Additives Used if any

12) Borehole Diameter 5" O.D. in.

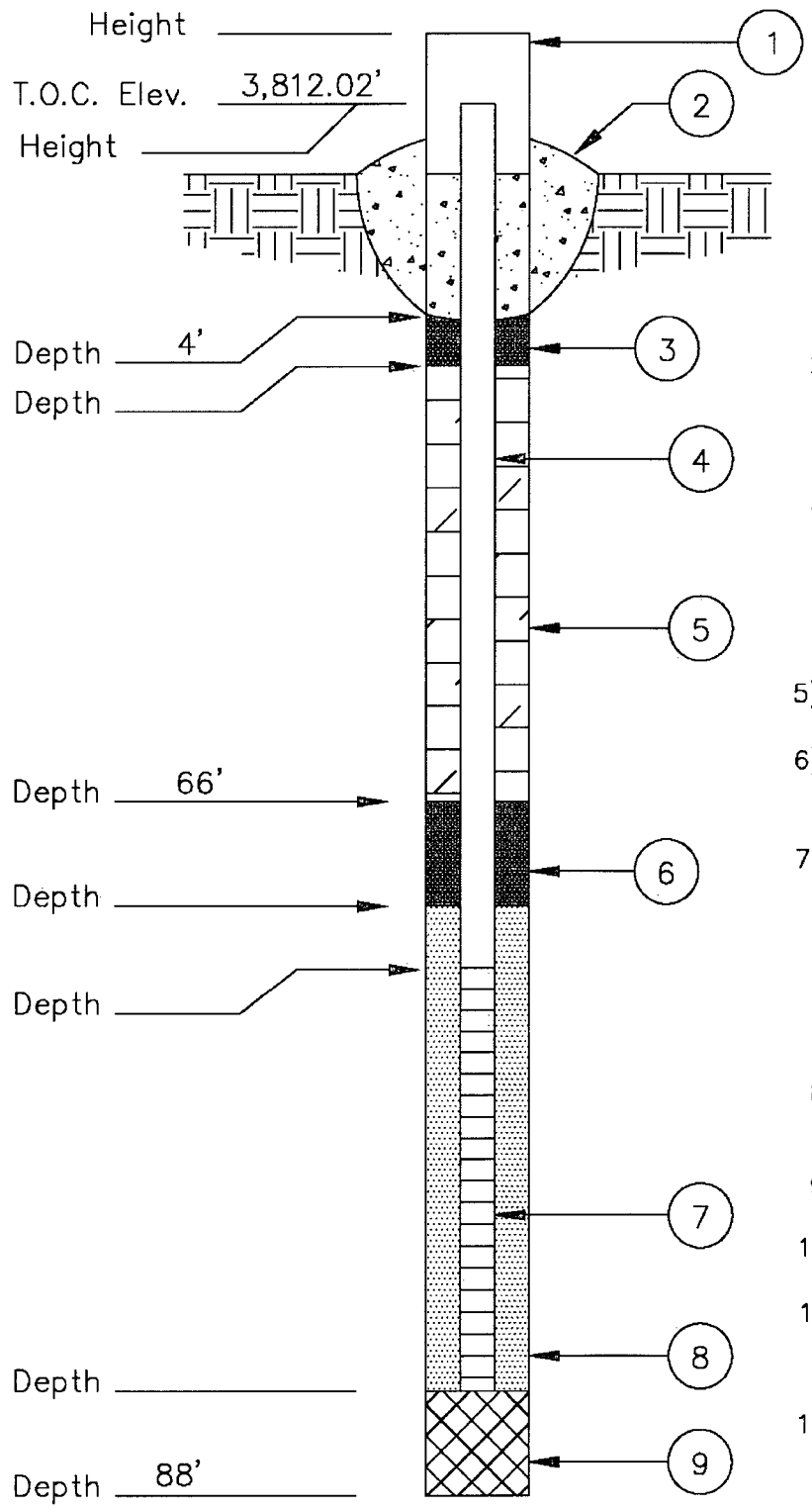
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2002-10250 Job Name: C.S. Cayler Gathering Boring / Well No. MW-16

Date: 06/28/06 Field Representative: EB State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed Concrete

4) Solid Pipe Type PVC

Solid Pipe Length 72 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill 9.5 bags of 3/8 holeplug

6) Type of Lower Seal if Installed

7) Screen Type P.V.C.
Screen Length 20 ft.

Slot Size .010"
Length 20 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen 6.5 bags of 20/40 sand

9) Type of Backfill

10) Drilling Method Straub-Air Rotary Drill

11) Additives Used if any

12) Borehole Diameter 5" O.D. in.

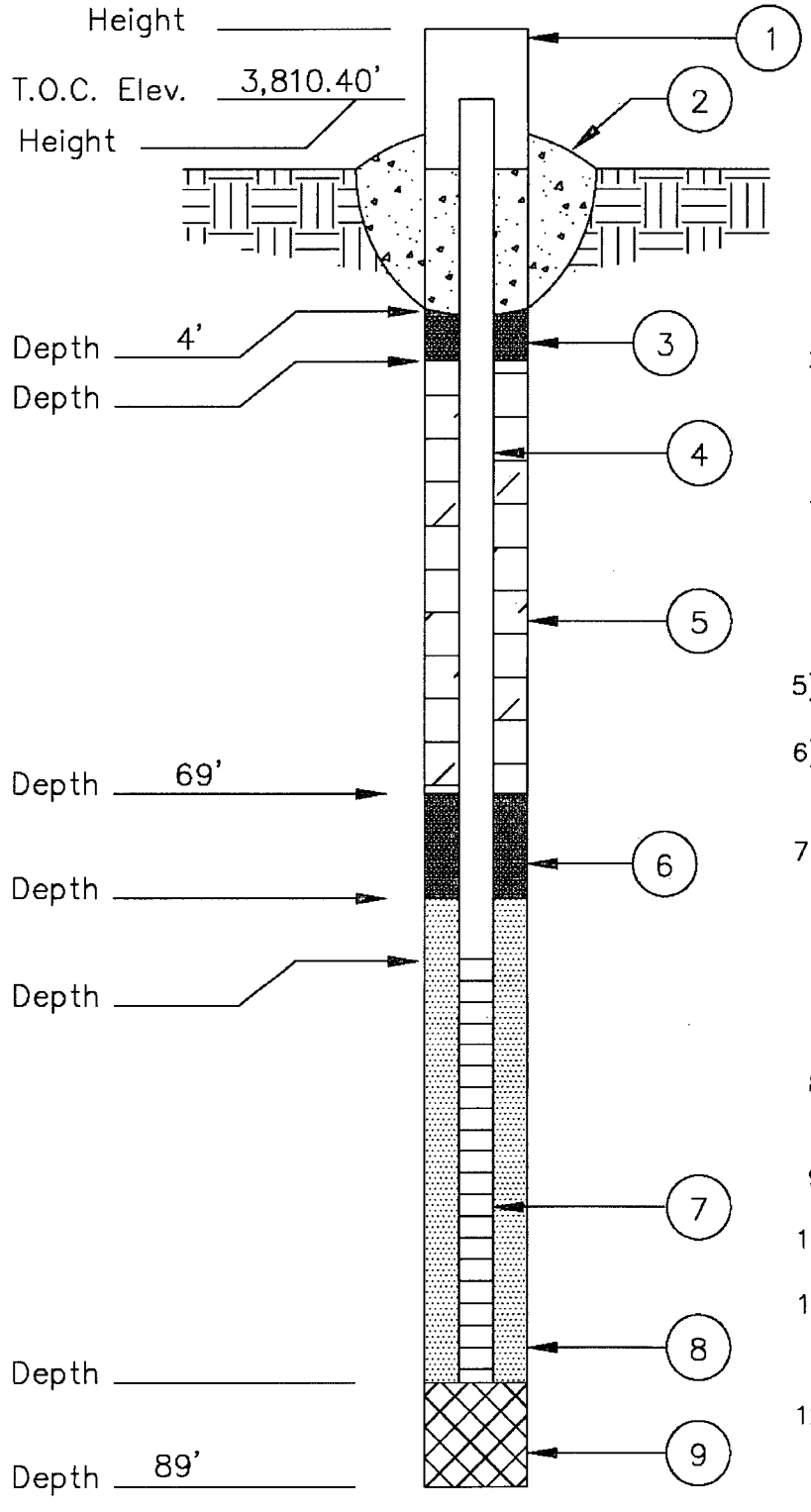
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND
ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2002-10250 Job Name: C.S. Cayler Gathering Boring / Well No. MW-17

Date: 06/28/06 Field Representative: EB State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed Cement

4) Solid Pipe Type PVC

Solid Pipe Length 73 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill 10 bags of 3/8 holeplug

6) Type of Lower Seal if Installed

7) Screen Type P.V.C.
Screen Length 20 ft.

Slot Size .010"
Length 20 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen 8 bags of 20/40 sand

9) Type of Backfill

10) Drilling Method Straub-Air Rotary Drill

11) Additives Used if any

12) Borehole Diameter 5" O.D. in.

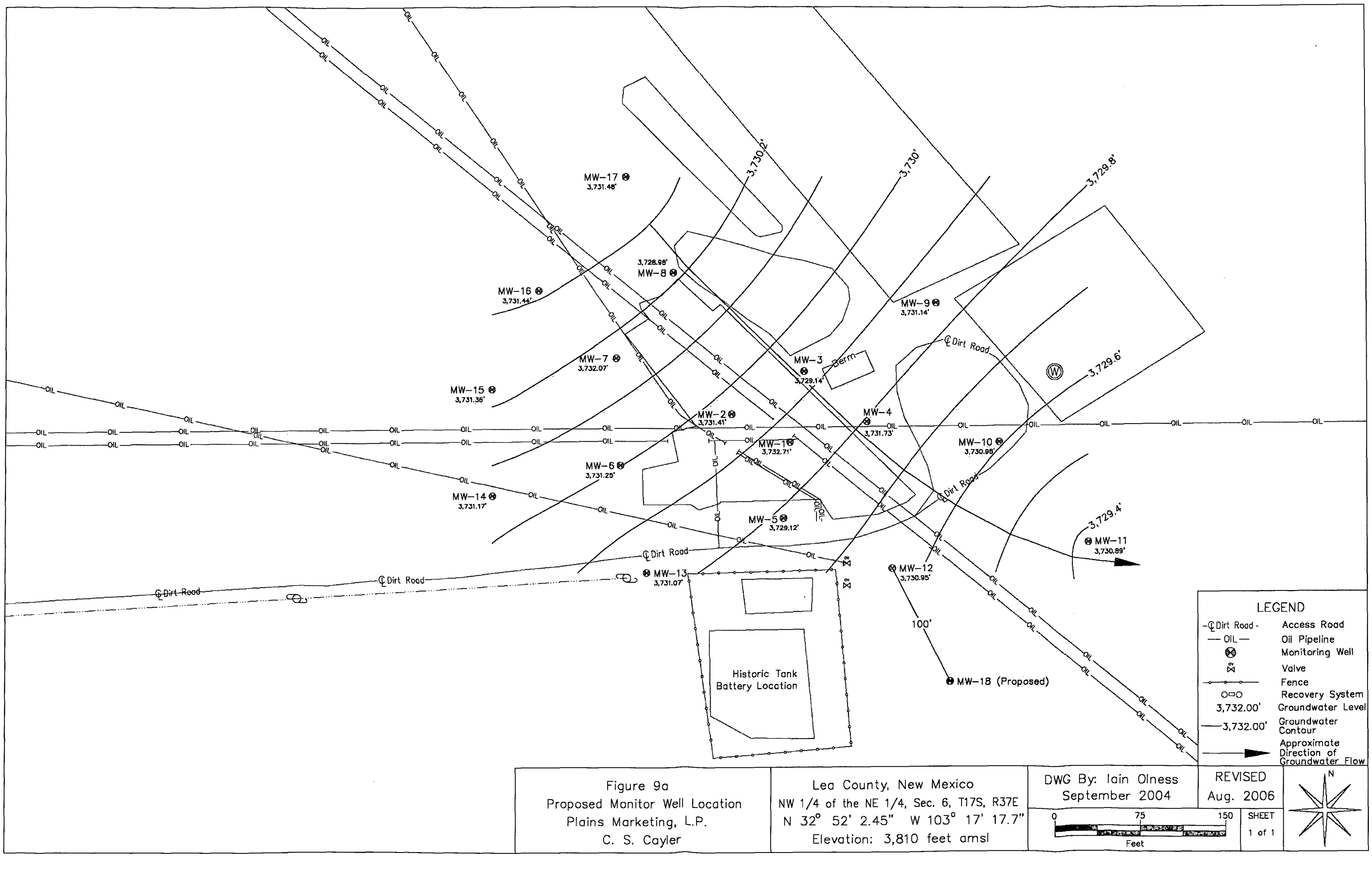


Figure 9a
Proposed Monitor Well Location
Plains Marketing, L.P.
C. S. Cayler

Lea County, New Mexico
NW 1/4 of the NE 1/4, Sec. 6, T17S, R37E
N 32° 52' 2.45" W 103° 17' 17.7"
Elevation: 3,810 feet amsl

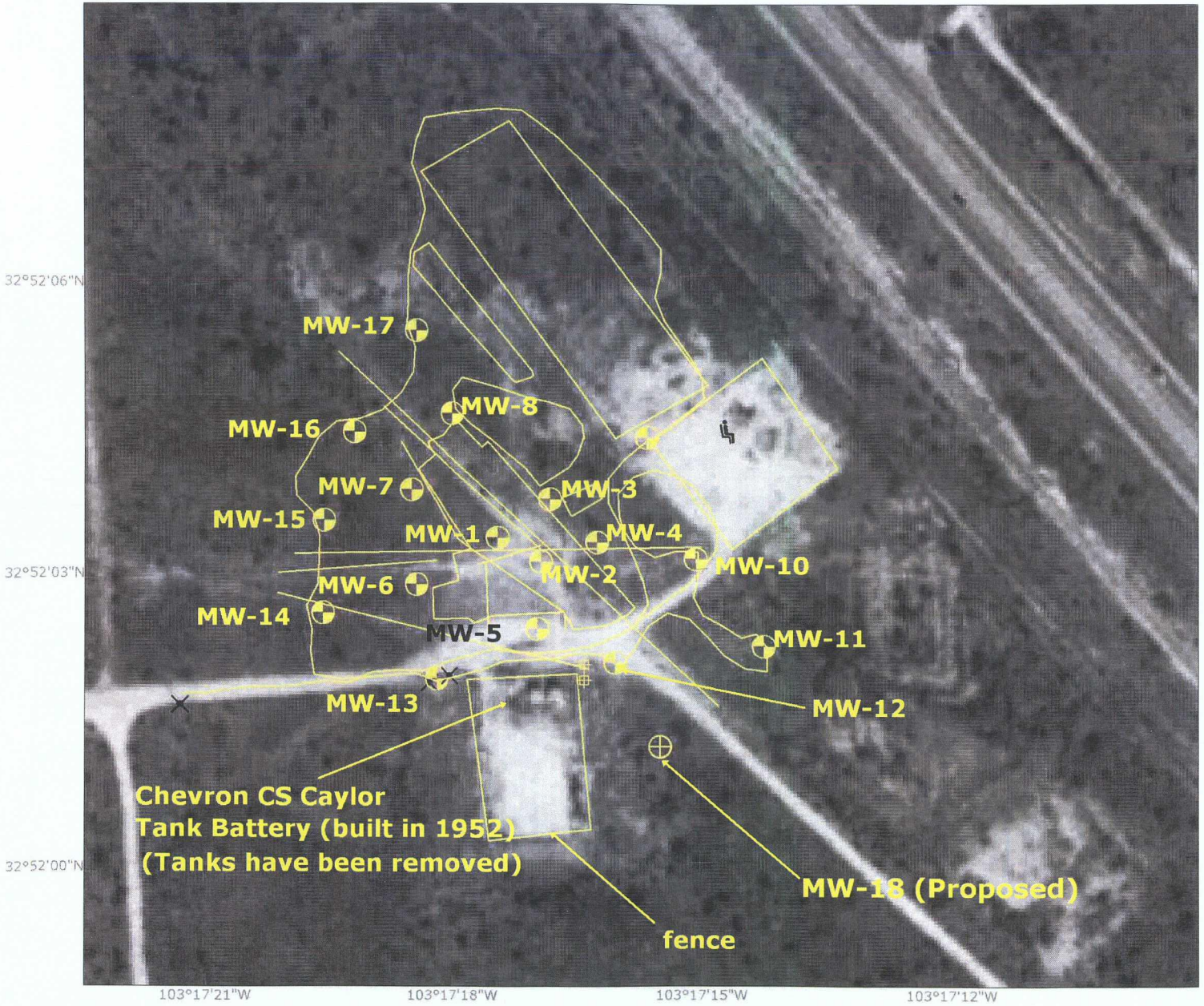
DWG By: Iain Olness
September 2004

REVISED
Aug. 2006

0 75 150
Feet

SHEET
1 of 1

N



Plains Pipeline
C.S. Cayler
#2002-10250
UL-B Sec 6
T17S R37E
Lea Co NM
(USGS 1997)

N

Scale 1:2,000

0 250.0

Feet

UTM
13 North
NAD 1983 (Conus)

CS Cayler Site Aug 2006.ssf

8/29/2006

ATTACHMENT II

TABLE 1

Plains Marketing, L.P.

C.S. Cayler - Ref. #2002-10250

Monitoring Well Soil Analytical Summary

Monitoring Well	Sampling Interval (bgs[4])	Sample ID	Sample Date	Lithology & Description	VOC[8] (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (m,p) (mg/Kg)	Xylene (o) (mg/Kg)	BTEX (mg/Kg)	TPH[7] (GRO[6]) (mg/Kg)	TPH (DRO[5]) (mg/Kg)	Total TPH (mg/Kg)
MW-11	30'-31'	MW-11 (30'-31')	2/21/2006	Tan fine sand - sandstone	0.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	40'-41'	MW-11 (40'-41')	2/21/2006	Tan fine sand	0.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	70'-71'	MW-11 (70'-71')	2/21/2006	Tan fine sand	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
MW-12	30'-31'	MW-12 (30'-31')	2/23/2006	Tan fine sand - sandstone	2.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	50'-51'	MW-12 (50'-51')	2/23/2006	Tan fine sand	1.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	75'-76'	MW-12 (75'-76')	2/23/2006	Tan fine sand	1.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	99.2	99.2
MW-13	30'-31'	MW-13 (30'-31')	2/22/2006	Tan fine sand - sandstone	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	50'-51'	MW-13 (50'-51')	2/22/2006	Tan fine sand - sandstone	0.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	70'-71'	MW-13 (70'-71')	2/22/2006	Tan fine sand - sandstone	0.4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
MW-14	30'-31'	MW-14 (30'-31')	2/21/2006	Tan fine sand - sandstone	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	50'-51'	MW-14 (50'-51')	2/21/2006	Tan fine sand - sandstone	0.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	12	12
	70'-71'	MW-14 (70'-71')	2/21/2006	Tan fine sand - sandstone	0.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
MW-15	30'-31'	MW-15 (30'-31')	2/22/2006	Tan fine sand - sandstone	0.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	50'-51'	MW-15 (50'-51')	2/22/2006	Tan fine sand - sandstone	0.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	70'-71'	MW-15 (70'-71')	2/22/2006	Tan fine sand - sandstone	0.8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
MW-16	30'-31'	MW-16 (30'-31')	2/23/2006	Tan fine sand - sandstone	0.7	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	50'-51'	MW-16 (50'-51')	2/23/2006	Tan fine sand - sandstone	2.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	70'-71'	MW-16 (70'-71')	2/23/2006	Tan fine sand	0.9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
MW-17	30'-31'	MW-17 (30'-31')	2/23/2006	Tan fine sand - sandstone	0.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	50'-51'	MW-17 (50'-51')	2/23/2006	Tan fine sand - sandstone	1.9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
	70'-71'	MW-17 (70'-71')	2/23/2006	Tan fine sand - sandstone	0.7	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0
NMOCD Remedial Thresholds						**10**					**50**			**100**

[1] *Bolded values are in excess of the NMOCD Remediation Thresholds*

[2] *NA : Not Analyzed*

[3] *NS : Not Sampled*

[4] *bgs : feet below ground surface*

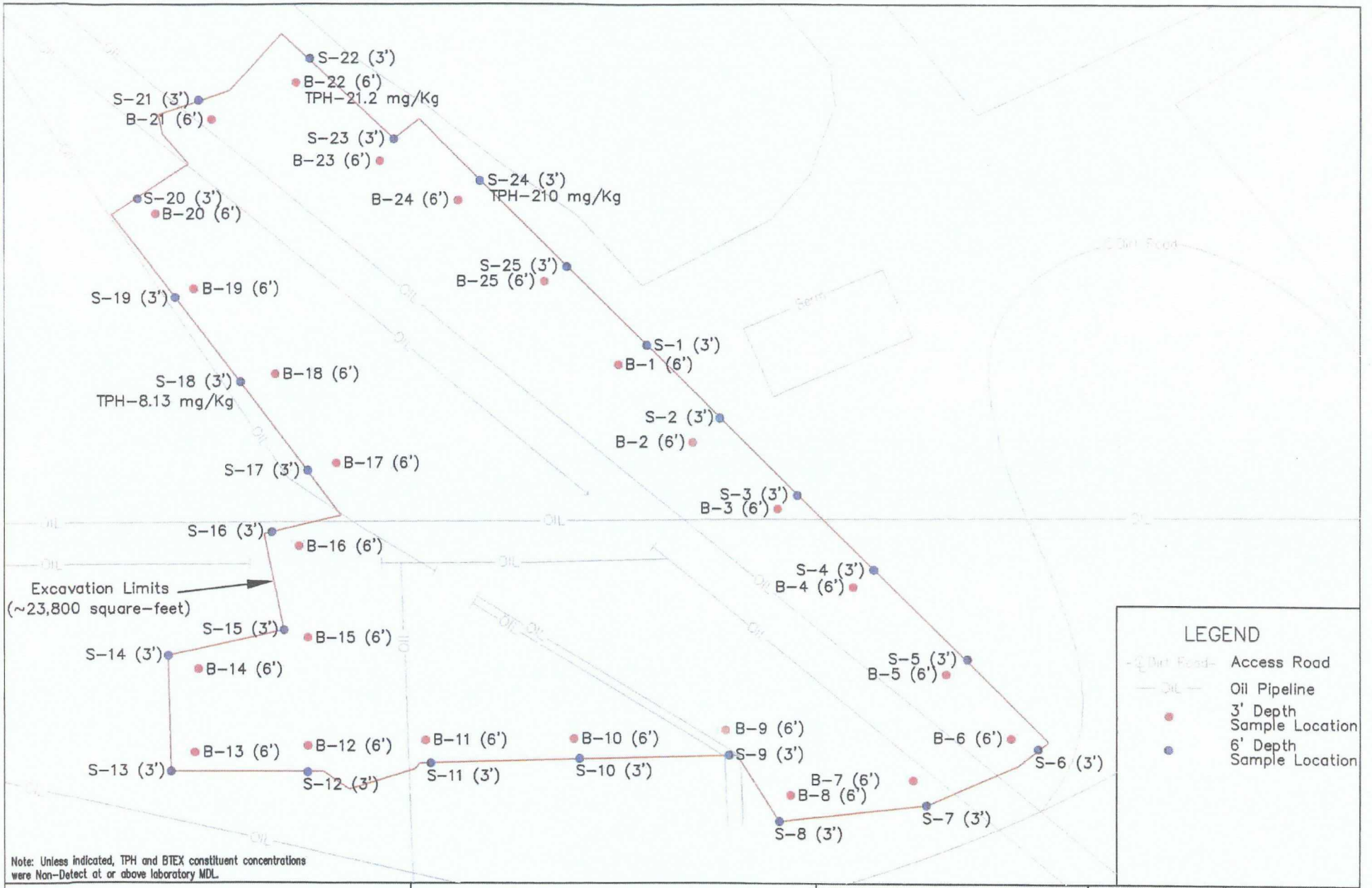
[5] *DRO : Diesel range organics*

[6] *GRO : Gasoline range organics*

[7] *TPH : Total Petroleum Hydrocarbons*

[8] *VOC: Volatile Organic Constituent vapor headspace*

ATTACHMENT III



Note: Unless indicated, TPH and BTEX constituent concentrations were Non-Detect at or above laboratory MDL.

Figure 4 Sample Location Map 5/16/2006 Plains Marketing, L.P. C. S. Cayler	Lea County, New Mexico NW 1/4 of the NE 1/4, Sec. 6, T17S, R37E N 32° 52' 2.45" W 103° 17' 17.7" Elevation: 3,810 feet amsl	DWG By: Iain Olness September 2004	REVISED June 2006 SHEET 1 of 1

Table 9
Plains Marketing, L.P.
C.S. Cayler - Ref. #2002-10250
Excavation Sidewalls and Floor Soil Sample Analytical Summary

Sample Location		Sample ID	Sampling Interval (bgs[4])	Sample Date	Lithology & Description	VOC[8] (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (m,p) (mg/Kg)	Xylene (o) (mg/Kg)	BTEX (mg/Kg)	GRO[6] (C_6-C_{12}) (mg/Kg)	DRO[5] (C_{12}-C_{28}) (mg/Kg)	DRO[5] (C_{28}-C_{35}) (mg/Kg)	TPH[7] (mg/Kg)
Southeast	Sidewall	S1	3	5/16/2006	Caliche	1.6	--	--	--	--	--	--	--	--	--	--
	Bottom	B1	6	5/16/2006	Caliche	2.4	--	--	--	--	--	--	--	--	--	--
	Sidewall	S2	3	5/16/2006	Caliche	2.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Bottom	B2	6	5/16/2006	Caliche	3.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Sidewall	S3	3	5/16/2006	Caliche	3.0	--	--	--	--	--	--	--	--	--	--
	Bottom	B3	6	5/16/2006	Caliche	3.4	--	--	--	--	--	--	--	--	--	--
	Sidewall	S4	3	5/16/2006	Brown Sand	3.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Bottom	B4	6	5/16/2006	Caliche	3.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Sidewall	S5	3	5/16/2006	Caliche	2.6	--	--	--	--	--	--	--	--	--	--
	Bottom	B5	6	5/16/2006	Caliche	3.7	--	--	--	--	--	--	--	--	--	--
	Sidewall	S6	3	5/16/2006	Caliche	2.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Bottom	B6	6	5/16/2006	Caliche	0.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Sidewall	S7	3	5/16/2006	Caliche	2.9	--	--	--	--	--	--	--	--	--	--
	Bottom	B7	6	5/16/2006	Brown Sand	26.3	--	--	--	--	--	--	--	--	--	--
Southwest	Sidewall	S8	3	5/16/2006	Caliche	27.4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Bottom	B8	6	5/16/2006	Brown Sand	24.8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Sidewall	S9	3	5/16/2006	Caliche	24.9	--	--	--	--	--	--	--	--	--	--
	Bottom	B9	6	5/16/2006	Caliche	24.7	--	--	--	--	--	--	--	--	--	--
	Sidewall	S10	3	5/16/2006	Caliche	27.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Bottom	B10	6	5/16/2006	Caliche	26.8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Sidewall	S11	3	5/16/2006	Caliche	26.3	--	--	--	--	--	--	--	--	--	--
	Bottom	B11	6	5/16/2006	Caliche	26.1	--	--	--	--	--	--	--	--	--	--
	Sidewall	S12	3	5/16/2006	Caliche	30.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Bottom	B12	6	5/16/2006	Caliche	26.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Sidewall	S13	3	5/16/2006	Caliche	32.2	--	--	--	--	--	--	--	--	--	--
	Bottom	B13	6	5/16/2006	Caliche	32.0	--	--	--	--	--	--	--	--	--	--
	Sidewall	S14	3	5/16/2006	Caliche	30.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Bottom	B14	6	5/16/2006	Caliche	31.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Sidewall	S15	3	5/16/2006	Caliche	31.6	--	--	--	--	--	--	--	--	--	--
	Bottom	B15	6	5/16/2006	Caliche	31.4	--	--	--	--	--	--	--	--	--	--
	Sidewall	S16	3	5/16/2006	Caliche	33.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Bottom	B16	6	5/16/2006	Caliche	31.9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0

Plains Marketing, L.P.

C.S. Cayler - Ref. #2002-10250

Excavation Sidewalls and Floor Soil Sample Analytical Summary

Sample Location		Sample ID	Sampling Interval ('bgs[4])	Sample Date	Lithology & Description	VOC[8] (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (m,p) (mg/Kg)	Xylene (o) (mg/Kg)	BTEX (mg/Kg)	GRO[6] (C_6-C_{12}) (mg/Kg)	DRO[5] (C_{12}-C_{28}) (mg/Kg)	DRO[5] (C_{28}-C_{35}) (mg/Kg)	TPH[7] (mg/Kg)
Northwest	Sidewall	S17	3	5/16/2006	Caliche	33.1	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Bottom	B17	6	5/16/2006	Caliche	32.4	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Sidewall	S18	3	5/16/2006	Caliche	30.9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	8.13	<10.0	8.13
	Bottom	B18	6	5/16/2006	Caliche	30.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Sidewall	S19	3	5/16/2006	Caliche	7.5	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Bottom	B19	6	5/16/2006	Caliche	27.3	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Sidewall	S20	3	5/16/2006	Caliche	27.8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Bottom	B20	6	5/16/2006	Caliche	34.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Sidewall	S21	3	5/16/2006	Caliche	27.8	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Bottom	B21	6	5/16/2006	Caliche	27.2	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Northeast	Sidewall	S22	3	5/16/2006	Caliche	27.7	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Bottom	B22	6	5/16/2006	Caliche	33.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	21.2	<10.0	21.2
	Sidewall	S23	3	5/16/2006	Caliche	28.8	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Bottom	B23	6	5/16/2006	Caliche	27.8	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Sidewall	S24	3	5/16/2006	Caliche	30.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	173	36.5	210
	Bottom	B24	6	5/16/2006	Caliche	30.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	<10.0
	Sidewall	S25	3	5/16/2006	Caliche	33.2	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	Bottom	B25	6	5/16/2006	Caliche	33.2	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
NMOCD Remedial Thresholds							**10**					**50**				**1,000**

[1] *Bolded values are in excess of the NMOCD Remediation Thresholds*

[2] *NA: Not Analyzed*

[3] *- - : Not Sampled*

[4] *bgs : feet below ground surface*

[5] *DRO : Diesel range organics*

[6] *GRO : Gasoline range organics*

[7] *TPH : Total Petroleum Hydrocarbons*

[8] *VOC: Volatile Organic Constituent vapor headspace*

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Jimmy Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: C.S. Cayler Gathering

Project Number: 2002-10250

Location: UL-B, Sect. 06, T 17 S, R 37 E

Lab Order Number: 6E18010

Report Date: 06/01/06

Plains All American EH & S	Project: C.S. Cayler Gathering	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2002-10250	**Reported:**
Midland TX, 79706-4476	Project Manager: Jimmy Bryant	06/01/06 15:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S2-3'	6E18010-01	Soil	05/16/06 08:36	05/18/06 10:56
B2-6'	6E18010-02	Soil	05/16/06 08:38	05/18/06 10:56
S4-3'	6E18010-03	Soil	05/16/06 08:45	05/18/06 10:56
B4-6'	6E18010-04	Soil	05/16/06 08:48	05/18/06 10:56
S6-3'	6E18010-05	Soil	05/16/06 08:57	05/18/06 10:56
B6-6'	6E18010-06	Soil	05/16/06 09:01	05/18/06 10:56
S8-3'	6E18010-07	Soil	05/16/06 09:36	05/18/06 10:56
B8-6'	6E18010-08	Soil	05/16/06 09:45	05/18/06 10:56
S10-3'	6E18010-09	Soil	05/16/06 09:47	05/18/06 10:56
B10-6'	6E18010-10	Soil	05/16/06 10:00	05/18/06 10:56
S12-3'	6E18010-11	Soil	05/16/06 10:00	05/18/06 10:56
B12-6'	6E18010-12	Soil	05/16/06 10:15	05/18/06 10:56
S14-3'	6E18010-13	Soil	05/16/06 11:15	05/18/06 10:56
B14-6'	6E18010-14	Soil	05/16/06 11:10	05/18/06 10:56
S16-3'	6E18010-15	Soil	05/16/06 11:35	05/18/06 10:56
B16-6'	6E18010-16	Soil	05/16/06 11:30	05/18/06 10:56
S18-3'	6E18010-17	Soil	05/16/06 11:55	05/18/06 10:56
B18-6'	6E18010-18	Soil	05/16/06 11:50	05/18/06 10:56
S20-3'	6E18010-19	Soil	05/16/06 12:15	05/18/06 10:56
B20-6'	6E18010-20	Soil	05/16/06 12:10	05/18/06 10:56
S22-3'	6E18010-21	Soil	05/16/06 12:35	05/18/06 10:56
B22-6'	6E18010-22	Soil	05/16/06 12:30	05/18/06 10:56
S24-3'	6E18010-23	Soil	05/16/06 13:45	05/18/06 10:56
B24-6'	6E18010-24	Soil	05/16/06 13:55	05/18/06 10:56

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S2-3' (6E18010-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*103 %*	*70-130*		"	"	"	"	
B2-6' (6E18010-02) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*85.0 %*	*70-130*		"	"	"	"	
S4-3' (6E18010-03) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	
B4-6' (6E18010-04) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*89.0 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S6-3' (6E18010-05) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
B6-6' (6E18010-06) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
S8-3' (6E18010-07) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*89.4 %*	*70-130*		"	"	"	"	
B8-6' (6E18010-08) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*91.0 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S10-3' (6E18010-09) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*92.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*93.4 %*	*70-130*		"	"	"	"	
B10-6' (6E18010-10) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	
S12-3' (6E18010-11) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*95.2 %*	*70-130*		"	"	"	"	
B12-6' (6E18010-12) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S14-3' (6E18010-13) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	
B14-6' (6E18010-14) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*95.4 %*	*70-130*		"	"	"	"	
S16-3' (6E18010-15) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*87.6 %*	*70-130*		"	"	"	"	
B16-6' (6E18010-16) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*90.8 %*	*70-130*		"	"	"	"	

Plains All American EH & S	Project: C.S. Cayler Gathering	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2002-10250	**Reported:**
Midland TX, 79706-4476	Project Manager: Jimmy Bryant	06/01/06 15:03

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S18-3' (6E18010-17) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	**J [8.13]**	10.0	"	"	"	"	"	"	J
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
B18-6' (6E18010-18) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*87.6 %*	*70-130*		"	"	"	"	
S20-3' (6E18010-19) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*82.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*82.6 %*	*70-130*		"	"	"	"	
B20-6' (6E18010-20) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61920	05/19/06	05/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.2 %*	*70-130*		"	"	"	"	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S22-3' (6E18010-21) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61921	05/19/06	05/19/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
B22-6' (6E18010-22) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61921	05/19/06	05/19/06	EPA 8015M	
Carbon Ranges C12-C28	**21.2**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**21.2**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
S24-3' (6E18010-23) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61921	05/19/06	05/19/06	EPA 8015M	
Carbon Ranges C12-C28	**173**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**36.5**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**210**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*111 %*	*70-130*		"	"	"	"	
B24-6' (6E18010-24) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE61921	05/19/06	05/19/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*98.8 %*	*70-130*		"	"	"	"	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S2-3' (6E18010-01) Soil									
% Moisture	**3.4**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B2-6' (6E18010-02) Soil									
% Moisture	**8.1**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
S4-3' (6E18010-03) Soil									
% Moisture	**4.4**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B4-6' (6E18010-04) Soil									
% Moisture	**4.6**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
S6-3' (6E18010-05) Soil									
% Moisture	**0.4**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B6-6' (6E18010-06) Soil									
% Moisture	**5.1**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
S8-3' (6E18010-07) Soil									
% Moisture	**7.1**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B8-6' (6E18010-08) Soil									
% Moisture	**6.7**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
S10-3' (6E18010-09) Soil									
% Moisture	**0.7**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B10-6' (6E18010-10) Soil									
% Moisture	**5.7**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
S12-3' (6E18010-11) Soil									
% Moisture	**6.2**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	

Plains All American EH & S	Project: C.S. Cayler Gathering	Fax: (432) 687-4914
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General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B12-6' (6E18010-12) Soil									
% Moisture	**9.7**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
S14-3' (6E18010-13) Soil									
% Moisture	**1.3**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B14-6' (6E18010-14) Soil									
% Moisture	**8.1**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
S16-3' (6E18010-15) Soil									
% Moisture	**0.9**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B16-6' (6E18010-16) Soil									
% Moisture	**1.8**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
S18-3' (6E18010-17) Soil									
% Moisture	**1.9**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B18-6' (6E18010-18) Soil									
% Moisture	**4.0**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
S20-3' (6E18010-19) Soil									
% Moisture	**6.0**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B20-6' (6E18010-20) Soil									
% Moisture	**7.4**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
S22-3' (6E18010-21) Soil									
% Moisture	**1.5**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B22-6' (6E18010-22) Soil									
% Moisture	**5.5**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: C.S. Cayler Gathering	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2002-10250	**Reported:**
Midland TX, 79706-4476	Project Manager: Jimmy Bryant	06/01/06 15:03

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S24-3' (6E18010-23) Soil									
% Moisture	**3.3**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	
B24-6' (6E18010-24) Soil									
% Moisture	**10.4**	0.1	%	1	EE61910	05/18/06	05/19/06	% calculation	

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Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S2-3' (6E18010-01) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62606	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.8 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*79.8 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*87.6 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.4 %*	*66-145*		"	"	"	"	
B2-6' (6E18010-02) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62606	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*89.4 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.6 %*	*66-145*		"	"	"	"	
S4-3' (6E18010-03) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62606	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*81.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*90.2 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.0 %*	*66-145*		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4-6' (6E18010-04) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62606	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*86.6 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.2 %*	*66-145*		"	"	"	"	
S6-3' (6E18010-05) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*92.4 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.4 %*	*66-145*		"	"	"	"	
B6-6' (6E18010-06) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*85.0 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.6 %*	*66-145*		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S8-3' (6E18010-07) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.8 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*86.4 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.2 %*	*66-145*		"	"	"	"	
B8-6' (6E18010-08) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*87.4 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.0 %*	*66-145*		"	"	"	"	
S10-3' (6E18010-09) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.4 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*80.8 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*86.4 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.6 %*	*66-145*		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B10-6' (6E18010-10) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.6 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*77.6 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*83.2 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.0 %*	*66-145*		"	"	"	"	
S12-3' (6E18010-11) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85.4 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*88.0 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*66-145*		"	"	"	"	
B12-6' (6E18010-12) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.2 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*74.6 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*83.8 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.0 %*	*66-145*		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S14-3' (6E18010-13) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84.6 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*88.2 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*66-145*		"	"	"	"	
B14-6' (6E18010-14) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*86.2 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*68.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*74.6 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.0 %*	*66-145*		"	"	"	"	
S16-3' (6E18010-15) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.2 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*77.8 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*85.6 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*66-145*		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B16-6' (6E18010-16) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.4 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*77.4 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*84.0 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.4 %*	*66-145*		"	"	"	"	
S18-3' (6E18010-17) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*89.2 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*66-145*		"	"	"	"	
B18-6' (6E18010-18) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*90.6 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*66-145*		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S20-3' (6E18010-19) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*80.4 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*86.8 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.4 %*	*66-145*		"	"	"	"	
B20-6' (6E18010-20) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*88.4 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.4 %*	*66-145*		"	"	"	"	
S22-3' (6E18010-21) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*87.4 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.2 %*	*66-145*		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B22-6' (6E18010-22) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/30/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*115 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.2 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*92.4 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.8 %*	*66-145*		"	"	"	"	
S24-3' (6E18010-23) Soil									**O-10**
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/31/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*81.4 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*87.6 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.6 %*	*66-145*		"	"	"	"	
B24-6' (6E18010-24) Soil									**O-10**
Benzene	ND	25.0	ug/kg dry	25	EE62618	05/26/06	05/31/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*81.6 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*85.4 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.6 %*	*66-145*		"	"	"	"	

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
Batch EE61920 - Solvent Extraction (GC)										
Blank (EE61920-BLK1)				Prepared: 05/19/06 Analyzed: 05/20/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*44.6*		*mg/kg*	*50.0*		*89.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.6*		"	*50.0*		*97.2*	*70-130*			
LCS (EE61920-BS1)				Prepared: 05/19/06 Analyzed: 05/20/06						
Carbon Ranges C6-C12	592	10.0	mg/kg wet	500		118	75-125			
Carbon Ranges C12-C28	572	10.0	"	500		114	75-125			
Total Hydrocarbon nC6-nC35	1160	10.0	"	1000		116	75-125			
Surrogate: 1-Chlorooctane	*58.3*		*mg/kg*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.5*		"	*50.0*		*107*	*70-130*			
Calibration Check (EE61920-CCV1)				Prepared: 05/19/06 Analyzed: 05/20/06						
Carbon Ranges C6-C12	296		mg/kg	250		118	80-120			
Carbon Ranges C12-C28	263		"	250		105	80-120			
Total Hydrocarbon nC6-nC35	559		"	500		112	80-120			
Surrogate: 1-Chlorooctane	*54.3*		"	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.6*		"	*50.0*		*105*	*70-130*			
Matrix Spike (EE61920-MS1)	**Source: 6E18010-01**			Prepared: 05/19/06 Analyzed: 05/20/06						
Carbon Ranges C6-C12	501	10.0	mg/kg dry	518	ND	96.7	75-125			
Carbon Ranges C12-C28	517	10.0	"	518	ND	99.8	75-125			
Total Hydrocarbon nC6-nC35	1020	10.0	"	1040	ND	98.1	75-125			
Surrogate: 1-Chlorooctane	*50.2*		*mg/kg*	*50.0*		*100*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.5*		"	*50.0*		*93.0*	*70-130*			

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
Batch EE61920 - Solvent Extraction (GC)										
Matrix Spike Dup (EE61920-MSD1)	**Source: 6E18010-01**			Prepared: 05/19/06 Analyzed: 05/20/06						
Carbon Ranges C6-C12	504	10.0	mg/kg dry	518	ND	97.3	75-125	0.597	20	
Carbon Ranges C12-C28	517	10.0	"	518	ND	99.8	75-125	0.00	20	
Total Hydrocarbon nC6-nC35	1020	10.0	"	1040	ND	98.1	75-125	0.00	20	
Surrogate: 1-Chlorooctane	*50.5*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.8*		*"*	*50.0*		*93.6*	*70-130*			
Batch EE61921 - Solvent Extraction (GC)										
Blank (EE61921-BLK1)				Prepared: 05/19/06 Analyzed: 05/22/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*53.6*		*mg/kg*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.4*		*"*	*50.0*		*111*	*70-130*			
LCS (EE61921-BS1)				Prepared & Analyzed: 05/19/06						
Carbon Ranges C6-C12	460	10.0	mg/kg wet	500		92.0	75-125			
Carbon Ranges C12-C28	513	10.0	"	500		103	75-125			
Total Hydrocarbon nC6-nC35	973	10.0	"	1000		97.3	75-125			
Surrogate: 1-Chlorooctane	*51.4*		*mg/kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.5*		*"*	*50.0*		*93.0*	*70-130*			
Calibration Check (EE61921-CCV1)				Prepared: 05/19/06 Analyzed: 05/20/06						
Carbon Ranges C6-C12	261		mg/kg	250		104	80-120			
Carbon Ranges C12-C28	290		"	250		116	80-120			
Total Hydrocarbon nC6-nC35	551		"	500		110	80-120			
Surrogate: 1-Chlorooctane	*48.2*		*"*	*50.0*		*96.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.6*		*"*	*50.0*		*93.2*	*70-130*			

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
Batch EE61921 - Solvent Extraction (GC)										
Matrix Spike (EE61921-MS1)	**Source: 6E18024-07**			Prepared: 05/19/06 Analyzed: 05/22/06						
Carbon Ranges C6-C12	725	10.0	mg/kg dry	636	ND	114	75-125			
Carbon Ranges C12-C28	730	10.0	"	636	ND	115	75-125			
Total Hydrocarbon nC6-nC35	1460	10.0	"	1270	ND	115	75-125			
Surrogate: 1-Chlorooctane	*52.5*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.4*		*"*	*50.0*		*92.8*	*70-130*			
Matrix Spike Dup (EE61921-MSD1)	**Source: 6E18024-07**			Prepared: 05/19/06 Analyzed: 05/22/06						
Carbon Ranges C6-C12	728	10.0	mg/kg dry	636	ND	114	75-125	0.413	20	
Carbon Ranges C12-C28	720	10.0	"	636	ND	113	75-125	1.38	20	
Total Hydrocarbon nC6-nC35	1450	10.0	"	1270	ND	114	75-125	0.687	20	
Surrogate: 1-Chlorooctane	*52.4*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.8*		*"*	*50.0*		*91.6*	*70-130*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE61910 - General Preparation (Prep)										
Blank (EE61910-BLK1)				Prepared: 05/18/06 Analyzed: 05/19/06						
% Solids	100		%							
Duplicate (EE61910-DUP1)		**Source: 6E12001-21**		Prepared: 05/18/06 Analyzed: 05/19/06						
% Solids	92.1		%		92.0			0.109	20	
Duplicate (EE61910-DUP2)		**Source: 6E18006-02**		Prepared: 05/18/06 Analyzed: 05/19/06						
% Solids	90.0		%		90.3			0.333	20	
Duplicate (EE61910-DUP4)		**Source: 6E18008-29**		Prepared: 05/18/06 Analyzed: 05/19/06						
% Solids	95.5		%		95.2			0.315	20	
Duplicate (EE61910-DUP5)		**Source: 6E18009-14**		Prepared: 05/18/06 Analyzed: 05/19/06						
% Solids	89.7		%		89.9			0.223	20	
Duplicate (EE61910-DUP6)		**Source: 6E18010-11**		Prepared: 05/18/06 Analyzed: 05/19/06						
% Solids	93.8		%		93.8			0.00	20	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE62606 - EPA 5030C (GCMS)										
Blank (EE62606-BLK1)				Prepared & Analyzed: 05/26/06						
Benzene	ND	25.0	ug/kg wet							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
Xylene (p/m)	ND	25.0	"							
Xylene (o)	ND	25.0	"							
Surrogate: Dibromofluoromethane	*53.0*		*ug/kg*	*50.0*		*106*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*43.7*		*"*	*50.0*		*87.4*	*52-149*			
Surrogate: Toluene-d8	*41.3*		*"*	*50.0*		*82.6*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*37.5*		*"*	*50.0*		*75.0*	*66-145*			
LCS (EE62606-BS1)				Prepared & Analyzed: 05/26/06						
Benzene	568	25.0	ug/kg wet	625		90.9	70-130			
Toluene	589	25.0	"	625		94.2	70-130			
Ethylbenzene	627	25.0	"	625		100	70-130			
Xylene (p/m)	1200	25.0	"	1250		96.0	70-130			
Xylene (o)	640	25.0	"	625		102	70-130			
Surrogate: Dibromofluoromethane	*47.5*		*ug/kg*	*50.0*		*95.0*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*41.7*		*"*	*50.0*		*83.4*	*52-149*			
Surrogate: Toluene-d8	*42.8*		*"*	*50.0*		*85.6*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*40.7*		*"*	*50.0*		*81.4*	*66-145*			
Calibration Check (EE62606-CCV1)				Prepared & Analyzed: 05/26/06						
Toluene	42.9		ug/kg	50.0		85.8	70-130			
Ethylbenzene	40.5		"	50.0		81.0	70-130			
Surrogate: Dibromofluoromethane	*50.6*		*"*	*50.0*		*101*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*43.9*		*"*	*50.0*		*87.8*	*52-149*			
Surrogate: Toluene-d8	*45.7*		*"*	*50.0*		*91.4*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*43.9*		*"*	*50.0*		*87.8*	*66-145*			

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE62606 - EPA 5030C (GCMS)										
Matrix Spike (EE62606-MS1)	**Source: 6E25028-02**			Prepared & Analyzed: 05/26/06						
Benzene	642	25.0	ug/kg dry	666	ND	96.4	70-130			
Toluene	670	25.0	"	666	ND	101	70-130			
Ethylbenzene	699	25.0	"	666	ND	105	70-130			
Xylene (p/m)	1330	25.0	"	1330	ND	100	70-130			
Xylene (o)	713	25.0	"	666	ND	107	70-130			
Surrogate: Dibromofluoromethane	*46.8*		*ug/kg*	*50.0*		*93.6*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*41.6*		"	*50.0*		*83.2*	*52-149*			
Surrogate: Toluene-d8	*41.1*		"	*50.0*		*82.2*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*39.4*		"	*50.0*		*78.8*	*66-145*			
Matrix Spike Dup (EE62606-MSD1)	**Source: 6E25028-02**			Prepared & Analyzed: 05/26/06						
Benzene	631	25.0	ug/kg dry	666	ND	94.7	70-130	1.78	20	
Toluene	655	25.0	"	666	ND	98.3	70-130	2.71	20	
Ethylbenzene	613	25.0	"	666	ND	92.0	70-130	13.2	20	
Xylene (p/m)	1220	25.0	"	1330	ND	91.7	70-130	8.66	20	
Xylene (o)	654	25.0	"	666	ND	98.2	70-130	8.58	20	
Surrogate: Dibromofluoromethane	*49.8*		*ug/kg*	*50.0*		*99.6*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*48.8*		"	*50.0*		*97.6*	*52-149*			
Surrogate: Toluene-d8	*42.7*		"	*50.0*		*85.4*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*39.8*		"	*50.0*		*79.6*	*66-145*			
Batch EE62618 - EPA 5030C (GCMS)										
Blank (EE62618-BLK1)				Prepared: 05/26/06 Analyzed: 05/30/06						
Benzene	ND	25.0	ug/kg wet							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
Xylene (p/m)	ND	25.0	"							
Xylene (o)	ND	25.0	"							
Surrogate: Dibromofluoromethane	*57.8*		*ug/kg*	*50.0*		*116*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*48.5*		"	*50.0*		*97.0*	*52-149*			
Surrogate: Toluene-d8	*50.4*		"	*50.0*		*101*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*45.7*		"	*50.0*		*91.4*	*66-145*			

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE62618 - EPA 5030C (GCMS)										
LCS (EE62618-BS1)				Prepared: 05/26/06 Analyzed: 05/30/06						
Benzene	601	25.0	ug/kg wet	625		96.2	70-130			
Toluene	618	25.0	"	625		98.9	70-130			
Ethylbenzene	643	25.0	"	625		103	70-130			
Xylene (p/m)	1230	25.0	"	1250		98.4	70-130			
Xylene (o)	642	25.0	"	625		103	70-130			
Surrogate: Dibromofluoromethane	*44.5*		*ug/kg*	*50.0*		*89.0*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*39.5*		*"*	*50.0*		*79.0*	*52-149*			
Surrogate: Toluene-d8	*42.3*		*"*	*50.0*		*84.6*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*40.3*		*"*	*50.0*		*80.6*	*66-145*			
Calibration Check (EE62618-CCV1)				Prepared: 05/26/06 Analyzed: 05/30/06						
Toluene	45.6		ug/kg	50.0		91.2	70-130			
Ethylbenzene	42.4		"	50.0		84.8	70-130			
Surrogate: Dibromofluoromethane	*46.0*		*"*	*50.0*		*92.0*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*40.8*		*"*	*50.0*		*81.6*	*52-149*			
Surrogate: Toluene-d8	*44.1*		*"*	*50.0*		*88.2*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*39.7*		*"*	*50.0*		*79.4*	*66-145*			
Matrix Spike (EE62618-MS1)	**Source: 6E18010-05**			Prepared: 05/26/06 Analyzed: 05/31/06						
Benzene	599	25.0	ug/kg dry	628	ND	95.4	70-130			
Toluene	631	25.0	"	628	ND	100	70-130			
Ethylbenzene	691	25.0	"	628	ND	110	70-130			
Xylene (p/m)	1250	25.0	"	1260	ND	99.2	70-130			
Xylene (o)	657	25.0	"	628	ND	105	70-130			
Surrogate: Dibromofluoromethane	*48.9*		*ug/kg*	*50.0*		*97.8*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*43.2*		*"*	*50.0*		*86.4*	*52-149*			
Surrogate: Toluene-d8	*43.9*		*"*	*50.0*		*87.8*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*41.1*		*"*	*50.0*		*82.2*	*66-145*			

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE62618 - EPA 5030C (GCMS)										
Matrix Spike Dup (EE62618-MSD1)	**Source: 6E18010-05**			Prepared: 05/26/06 Analyzed: 05/31/06						
Benzene	580	25.0	ug/kg dry	628	ND	92.4	70-130	3.19	20	
Toluene	608	25.0	"	628	ND	96.8	70-130	3.25	20	
Ethylbenzene	680	25.0	"	628	ND	108	70-130	1.83	20	
Xylene (p/m)	1230	25.0	"	1260	ND	97.6	70-130	1.63	20	
Xylene (o)	647	25.0	"	628	ND	103	70-130	1.92	20	
Surrogate: Dibromofluoromethane	*46.8*		*ug/kg*	*50.0*		*93.6*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*41.5*		"	*50.0*		*83.0*	*52-149*			
Surrogate: Toluene-d8	*42.2*		"	*50.0*		*84.4*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*40.4*		"	*50.0*		*80.8*	*66-145*			

Notes and Definitions

O-10	The original analysis of this sample yielded QC recoveries outside acceptance limits. The re-analysis was analyzed outside the recommended hold time.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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: Raland K Tuttle Date: 6/1/2006

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.

Environmental Plus, Inc.

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

p 1 of 3 LAB: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains All American Pipeline, L.P.
Facility Name	C.S. Cayler Gathering
Location	UL-B, Sect. 06, T 17 S, R 37 E
Project Reference	2002-10250
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: ENV Accounts Payable
PO Box 4648,
Houston, TX 77210-4648

LAB I.D. 6E18010	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS 4 oz. jars	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH
-01	S2-3'	G	1			X					X		16-May-06	8:36	X	X						
-02	B2-6'	G	1			X					X		16-May-06	8:38	X	X						
-03	S4-3'	G	1			X					X		16-May-06	8:45	X	X						
-04	B4-6'	G	1			X					X		16-May-06	8:48	X	X						
-05	S6-3'	G	1			X					X		16-May-06	8:57	X	X						
-06	B6-6'	G	1			X					X		16-May-06	9:01	X	X						
-07	S8-3'	G	1			X					X		16-May-06	9:36	X	X						
-08	B8-6'	G	1			X					X		16-May-06	9:45	X	X						
-09	S10-3'	G	1			X					X		16-May-06	9:47	X	X						
-10	B10-6'	G	1			X					X		16-May-06	10:00	X	X						

Sampler Relinquished: George Blackburn III	Date 5-18-06 Time 7:10	Received By: Aaron Boone
Relinquished by: Aaron Boone	Date 5-18-06 Time 10:56	Received By: (lab staff)
Delivered by:	Sample Cool & Intact 0.0°C (Yes) No	Checked By:

E-mail results to: iolness@envplus.net
NOTES: Labels w/ seals

Environmental Plus, Inc.

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231 *P.O. Box 1558, Eunice, NM 88231*
(505) 394-3481 FAX: (505) 394-2601

LAB: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains Pipeline, L.P.
Facility Name	C.S. Cayler Gathering
Location	UL-B, Sect. 06, T 17 S, R 37 E
Project Reference	2002-10250
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.
Attn: ENV Accounts Payable
PO Box 4648,
Houston, TX 77210-4648

				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
LAB I.D. 6E18610	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH			
-11	S12-3'	G	1			X					X		16-May-06	10:00	X	X									
-12	B12-6'	G	1			X					X		16-May-06	10:15	X	X									
-13	S14-3'	G	1			X					X		16-May-06	11:15	X	X									
-14	B14-6'	G	1			X					X		16-May-06	11:10	X	X									
-15	S16-3'	G	1			X					X		16-May-06	11:35	X	X									
-16	B16-6'	G	1			X					X		16-May-06	11:30	X	X									
-17	S18-3'	G	1			X					X		16-May-06	11:55	X	X									
-18	B18-6'	G	1			X					X		16-May-06	11:50	X	X									
-19	S20-3'	G	1			X					X		16-May-06	12:15	X	X									
-20	B20-6'	G	1			X					X		16-May-06	12:10	X	X									

Sampler Relinquished: George Blackburn III	Date 5-18-06 Time 0710	Received By: Jason Boone	E-mail results to: iolness@envplus.net NOTES: Labels w/ seals
Relinquished by: Jason Boone	Date 5-18-06 Time 10:56	Received By: (lab staff) [illegible]	
Delivered by:	Sample Cool & Intact 0.0°C (Yes) No	Checked By:	

Environmental Plus, Inc.

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

LAB: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains Pipeline, L.P.
Facility Name	C.S. Cayler Gathering
Location	UL-B, Sect. 06, T 17 S, R 37 E
Project Reference	2002-10250
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: ENV Accounts Payable
PO Box 4648,
Houston, TX 77210-4648

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^{-2})	pH	TCLP	OTHER >>>	PAH
6E18010																						
-21	S22-3'	G	1			X					X		16-May-06	12:35	X	X						
-22	B22-6'	G	1			X					X		16-May-06	12:30	X	X						
-23	S24-3'	G	1			X					X		16-May-06	1:45	X	X						
24	B24-6'	G	1			X					X		16-May-06	1:55	X	X						
5																						
6																						
7																						
8																						
9																						
10																						

ANALYSIS REQUEST

Sampler Relinquished: George Blackburn	Date: 5-16-06 Time: 0716	Received By: Aaron Boone	E-mail results to: iolness@envplus.net
Relinquished by: Aaron Boone	Date: 5-16-06 Time: 10:56	Received By: (lab staff) Rudolph	NOTES: Labels w/ Seals
Delivered by:	Sample Cool & Intact: Yes 0.0°C / No	Checked By:	

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

ient: Plains P/L

ate/Time: 05-18-06 @ 1056

rder #: 6E18010

itials: JMM

Sample Receipt Checklist

mperature of container/cooler?	(Yes)	No	0.0 C
ipping container/cooler in good condition?	(Yes)	No	
istody Seals intact on shipping container/cooler?	(Yes)	No	Not present
istody Seals intact on sample bottles?	(Yes)	No	Not present
iain of custody present?	(Yes)	No	
mple Instructions complete on Chain of Custody?	(Yes)	No	
ain of Custody signed when relinquished and received?	(Yes)	No	
ain of custody agrees with sample label(s)	(Yes)	No	
ntainer labels legible and intact?	(Yes)	No	
mple Matrix and properties same as on chain of custody?	(Yes)	No	
mples in proper container/bottle?	(Yes)	No	
mples properly preserved?	(Yes)	No	
mple bottles intact?	(Yes)	No	
eservations documented on Chain of Custody?	(Yes)	No	
ntainers documented on Chain of Custody?	(Yes)	No	
ifficient sample amount for indicated test?	(Yes)	No	
samples received within sufficient hold time?	(Yes)	No	
OC samples have zero headspace?	(Yes)	No	Not Applicable

ther observations:

Variance Documentation:

ontact Person: - Date/Time: Contacted by:

egarding:

orrective Action Taken:

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

January 18, 2006

Ms. Camille Reynolds
Plains Pipeline
3112 West Highway 82
Lovington, NM 88260

RE: Plains All American Pipeline Stage 1 and 2
Abatement Plan, Dated October 2005 for the
C.S. Cayler Release Site (Plains Ref. 2002-10250) Located in
Unit Letter B of Section 6, township 17 South, Range 37 East
NMPM, Lea County, New Mexico
NMOCD Reference AP-052 (Old 1R-0382)

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the abatement plan proposal shown above. This proposal for remediation activities at the site is hereby approved with the following conditions and understandings:

1. Groundwater impact at the site will be further delineated as described in section 3.7 of the proposal entitled "Proposed Monitoring Wells" and further detailed in Figure 30. A report shall be submitted to the NMOCD Santa Fe office after installation of these additional monitor wells containing well completion data and groundwater sample analyses of water collected from these wells.
2. Per section 2.12 of the proposal, Plains All American Pipeline (Plains) shall submit soil sampling results obtained during the installation of the proposed monitor wells MW11 through MW16. Upon receiving this report, the NMOCD will make a determination as to the necessity for additional boreholes inside the perimeter of the existing excavation.
3. Plains will continue the annual reporting to the NMOCD as described in section 2.13 of the proposal.
4. Per proposal section 2.11.8.1, Plains is proposing to remediate soil at the site to levels that "may be in excess of the NMOCD remedial goals prescribed according to the site rank." Such acceptable levels have yet to be determined. Plains will propose alternative soil remediation levels and obtain NMOCD approval before any backfilling of the excavation takes place. Additionally, no backfilling activities shall take place before NMOCD personnel have inspected the site.

5. Section 3.2 of the proposal is agreed to, in principle, contingent upon NMOCD inspection of the site before installation of the "oversized engineered barrier" and the NMOCD approval of Plains' report showing the soil sample analyses.
6. Plains shall not receive soil closure approval until the NMOCD is satisfied that soil contamination at the site will not pose a threat to fresh water, public health or the environment.
7. Vapor extraction and product recovery, will not deviate from the description of such activities shown in sections 3.2.6 and 3.3 of the proposal.
8. Groundwater remediation and a monitoring schedule will be accomplished according to sections 3.8 and 3.9 of the proposal respectively.

NMOCD approval of this Stage 1 and Stage 2 Abatement Plan does not relieve Plains of liability should its operations at this site, under said plan, prove to have been harmful to fresh water, public health and the environment. Nor does it relieve Plains of its responsibility to comply with the rules and regulations of any other governmental entity.

NEW MEXICO OIL CONSERVATION DIVISION

Roger C. Anderson
Environmental Bureau Chief

Copy: NMOCD, Hobbs
Environmental Plus, Inc.

Chavez, Carl J, EMNRD

From: Pat Mccasland [pmccasland@envplus.net]
Sent: Tuesday, October 24, 2006 2:01 PM
To: Chavez, Carl J, EMNRD
Subject: RE: Plains Pipeline Abatement Plan

Carl,

Ben Stone has not contacted me.

Sincerely,

Pat McCasland
Senior Consultant & Safety Director
HydroTech Services, LLC and Environmental Plus, Inc.
P.O. Box 1558
2100 Avenue O
Eunice, New Mexico 88231

Office: 505.394.3481
Cellular: 505.390.7864
FAX: 505.394.2601
eddress: pmccasland@envplus.net

From: Chavez, Carl J, EMNRD [mailto:CarlJ.Chavez@state.nm.us]
Sent: Tuesday, October 24, 2006 1:44 PM
To: PMcCasland@envplus.net
Subject: FW: Plains Pipeline Abatement Plan

From: Chavez, Carl J, EMNRD
Sent: Tuesday, October 24, 2006 1:39 PM
To: 'PMcCasland@envplus.net'
Subject: Plains Pipeline Abatement Plan

Pat:

Good afternoon. Did Ben Stone contact you regarding the above abatement plan? Thanks.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3491
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/
(Pollution Prevention Guidance is under "Publications")

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