

December 30, 2004

Mr. Larry Johnson Environmental Engineer New Mexico Oil Conservation Division 1625 North French Hobbs, New Mexico 88240



Subject: Plains All American Pipeline Final NMOCD form C-141 and closure documentation

Re: Central Battery 6" Line #1, #2003-00007 UL-P (SE¼ of the SE¼) of Section 32, T19S, R37E Latitude 32°36'34.88"N and Longitude 103°15'55.63"W Landowner: New Mexico State Highway Department Driving Directions: From the intersection of NMSR 8 and NMSR 322 in Monument NM, go south on NMSR 8 1.0 miles to the work location along the highway right of way.

Dear Mr. Johnson,

Environmental Plus, Inc. (EPI), on behalf of Plains All American Pipeline, submits the attached New Mexico Oil Conservation Division (NMOCD) final form C-141 and closure documentation for the above referenced leak site requesting that "no further remedial action" be required.

Should there be any questions please call Mr. Cody Miller or myself at the office or at 505.631.8447 and 505.390.7864, respectively or Camille Reynolds at 505.393.5611. All official communication should be addressed to:

Camille Reynolds Plains All American Pipeline PO Box 1660 5805 East Highway 80 Midland, Texas 79702 e-mail: CJReynolds@paalp.com

Sincerely,

Allas

Pat McCasland EPI Technical Services Manager

cc: Camille Reynolds, Plains All American Pipeline, w/enclosure (CJReynolds@paalp.com) Jeff Dann, Plains All American Pipeline, w/enclosure (JPDann@paalp.com) Cody Miller, EPI Vice President and General Manager Sherry Miller, EPI President file State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR	Initial Report	Final Report					
Name of Company: Plains All American Pipeline	Contact: Camille Reynolds						
Address	Telephone No.						
PO Box 1660 5805 East Highway 80 Midland, Texas 79702	505.393.5611						
Facility Name	Facility Type						
Central Battery 6" Line #1 ##2003-00007	6" Steel Pipeline						
Surface Owner: New Mexico State Highway Department	Mineral Owner	Lease No.					
LOCATION OF H	RELEASE						
Unit LetterSectionTownshipRangeFeet from theNorth/SoP32T19SR37EValueValueValue	South Line Feet from the East/West Line County: Lea						
Latitude: 32°36'34.88"N	Longitude: 103°15'55.63"W						
	RELEASE						
Type of Release Crude Oil	Volume of Release 150 barrels	Volume Recovered 85 barrels					
	Date and Hour of Occurrence	Date and Hour of Discovery					
	1-09-03 at 7:00 AM	1-09-03 at 9:00 AM					
	If YES, To Whom?						
Yes D No D Not Required	Larry Johnson						
	Date and Hour						
	1-09-03 at 9:50 AM						
	If YES, Volume Impacting the Waterco	ourse. NA					
If a Watercourse was Impacted, Describe Fully.* NA							
Describe Cause of Problem and Remedial Action Taken.*6" Steel Pipeline -T yards of crude oil impacted soil was excavated and disposed of in the NM	OCD permitted and approved C&C	Landfarm.					
Describe Area Affected and Cleanup Action Taken.*6,238 sqft. 322' north	rth to south and 20' east to west: On January 29, 2003, three soil						
borings were advanced and sampled. To ensure groundwater had not been							
sampled. All soil impacted above the NMOCD remedial goals, i.e., 2,310 cu							
Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benz I hereby certify that the information given above is true and complete to the b							
regulations all operators are required to report and/or file certain release notifi							
public health or the environment. The acceptance of a C-141 report by the N	MOCD marked as "Final Report" does	not relieve the operator of liability					
should their operations have failed to adequately investigate and remediate co	ntamination that pose a threat to ground	d water, surface water, human					
health or the environment. In addition, NMOCD acceptance of a C-141 repor	t does not relieve the operator of respon	nsibility for compliance with any					
other federal, state, or local laws and/or regulations.							
Signature: Signature: Runda	<u>OIL CONSERVA</u>	ATION DIVISION					
Printed Name: Camille Reynolds	Approved by District Supervisor:						
E-mail Address: CJReynolds@paalp.com	Approval Date:	Expiration Date:					
Title: District Environmental Supervisor	Conditions of Approval:	Attached					
Date: December 30, 2004 Phone: 505.393.5611							
* Attach Additional Sheets If Negagamy							

* Attach Additional Sheets If Necessary





SITE DELINEATION, SOIL REMEDIATION, CLOSURE DOCUMENTATION, AND FINAL C-141

Central Battery 6" Line #1 Ref. #2003-00007 1 RP-46 9.15.05

UL-P (SE¼ of the SE¼) of Section 32, R37E, T19S Latitude 32°36'34.88"N and Longitude 103°15'55.63"W Elevation ~3,560 'amsl

1-mile south of Monument, Lea County, New Mexico

Date

November 2004

Prepared by

Environmental Plus, Inc. 2100 Avenue O P.O. Box 1558 Eunice, New Mexico 88231 Tele 505•394•3481 FAX 505•394•2601



STANDARD OF CARE

Environmental Assessment and Remediation Report

Central Battery 6" Line #1 Ref. # #2003-00007

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993), the NMOCD Unlined Surface Impoundment Closure Guidelines (February 1993), and the Environmental Plus, Inc. (EPI) Standard Operating Procedures and Quality Assurance/Quality Control Plan. The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were arrived at with currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered EPI professional with a background in engineering, environmental, and/or the natural sciences.

This report was prepared by:

Maelang

Patrick W. McCasland

This report was reviewed by:

Iain Olness, PG Hyrogeologist

Date

CENTRAL BATTERY 6" LINE #1 #2003-00007

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Distribution List

Name	Title	Company or Agency	Mailing Address	e-mail
Larry Johnson	Environmental Engineer	NMOCD	1625 French Dr., Hobbs, NM 88231	LWJohnson@state.nm.us
Camille Reynolds	Environmental Supervisor	Plains	P.O. Box 3119, Midland, TX 79702	CJReynolds@paalp.com
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Cody Miller	EPI General Manager	EPI	P.O. Box 1558, Eunice, NM 88231	Enviplus1@aol.com
Sherry Miller	EPI President	EPI	P.O. Box 1558, Eunice, NM 88231	Enviplus1@aol.com
NMOCD - New N	NMOCD - New Mexico Oil Conservation Division	ision		

Plains - Plains All American Pipeline EPI - Environmental Plus, Inc. BLM - U.S. Department of Interior Bureau of Land Management

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1.0 INTRODUCTION

This site is located in UL-P (SE¼ of the SE¼) of Section 32, R37E, T19S at Latitude 32°36'34.88"N and Longitude 103°15'55.63"W approximately 1-mile south of Monument Lea County, New Mexico on property owned by the New Mexico State Highway Department. A topographical map is included in Attachment I. The estimated 150 barrel (bbl) crude oil leak attributed to internal/external corrosion, occurred on 1-09-03 at 7:00 AM in the Central Battery 6" steel pipeline with 85 bbls recovered and reintroduced to the system. Approximately 6,238 square feet (ft^2) , i.e., 322' north to south and 20' east to west, of surface was affected. On January 16, 2003 a second leak, i.e., Central Battery 6" Line #2 #2003-00013, of 65 bbls (62 bbls recovered and reintroduced to the system) occurred in the bell hole excavated during repair of the initial leak. During the preliminary investigation, ground water was measured at 28.81 feet below ground surface ('bgs) with 6 water wells observed to be located within a 1,000-foot radius of the site. No surface water bodies were observed to be located within the 1,000-foot radius. These characteristics give the site a 40 point New Mexico Oil Conservation Division (NMOCD) ranking score that applies the following remedial guidelines for the "constituents/contaminants of concern" (CoCs):

CONSTITUENTS/CONTAMINANTS OF CONCERN	REMEDIAL GOAL
Benzene	10 mg/Kg
BTEX (mass sum of benzene, toluene, ethylbenzene, and xylenes	50 mg/Kg
Total Petroleum Hydrocarbon 8015m (TPH ^{8015m})	100 mg/Kg

On January 29, 2003, three soil borings were advanced within the affected area to evaluate the vertical extent of crude oil impact. Soil boring BH1 near the leak origin was impacted to 10'bgs and soil borings BH2 and BH3 in the north and south halves of the north flowpath showed CoC impact to between 2 and 5'bgs. To evaluate if the shallow groundwater i.e., 28.81'bgs, had not been impacted, soil boring BH1 was installed and developed as a temporary 4"PVC cased monitor well. Analytical results from analysis of the well water sampled on February 21, 2003 did not exceed the New Mexico Water Quality Control Commission (WQCC) standards. At the direction of EOTT Energy Pipeline, L.P., the asset owner at the time, a total of 2,310 cubic yards (yd³) of soil impacted above the remedial goals was disposed of in the NMOCD approved and permitted C&C Landfarm NM-01-0012 and the South Monument Surface Waste Management Facility NM-01-0032. In late April and early May 2003, the sides and bottom of the leak origin and the north and south halves of the north flowpath were sampled and analyzed in the laboratory for the CoCs. The analytical results indicated that the remedial goals had been achieved in all but the leak origin bottom. After qualifying discussions of the risks involved, the decision was made to leave the TPH residual (the 18 to 20'bgs bottom hole sample results were 127.8 mg/Kg TPH) in place (see section 4.7.2.2). The analytical reports are summarized and included in Attachment III. The excavated area was backfilled with clean soil, contoured to grade, and the fence replaced. Photographs are included in Attachment II. Plains All American Pipeline requests that "no further action" be required at this site.

2.0 Environmental Media Characterization

Chemical parameters of the soil and ground water were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the New Mexico Oil Conservation Division (NMOCD) approved "General Work Plan for Remediation of E.O.T.T. Pipeline Spills, Leaks and Releases in New Mexico, July 2000" and the NMOCD guidelines published in the following documents:

- Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- Unlined Surface Impoundment Closure Guidelines (February 1993)

Acceptable thresholds for contaminants/constituents of concern (CoCs), i.e., TPH^{8015m}, benzene, and BTEX (the mass sum of benzene, toluene, ethylbenzene, and total xylene) were determined based on the NMOCD Ranking Criteria as follows:

- Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water,
- Wellhead Protection Area, i.e., distance from fresh water supply wells, and
- Distance to Surface Water Body, i.e., horizontal distance to all down gradient surface water bodies.

2.1 GEOLOGICAL DESCRIPTION

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and was encountered at 4.5'bgs.

2.2 ECOLOGICAL DESCRIPTION

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (Querqus harvardi) interspersed with Honey Mesquite (Prosopis glandulosa) along with typical desert grasses and weeds. Mammals represented, include Orrd's and Merriam's Kangaroo Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, and the Mule Deer. Reptiles, Amphibians, and Birds are numerous and typical of area. A survey of Listed, Threatened, or Endangered species was not conducted.

2.3 AREA GROUND WATER

Ground water was encountered at 28.81'bgs during the site delineation and is consistent with the New Mexico Office of the State Engineer. According to the USGS, the ground water elevation decreases generally to the southeast.

2.4 AREA WATER WELLS

The New Mexico Office of the State Engineer (NMOSE) records 5 domestic and 1 agricultural use water wells within a 1,000-foot radius of the site. A water well location map is included in Attachment II, the NMOSE report is included in Attachment IV, and the area water well information matrix provided below.

Plains Central Battery 6" Area Water Well Matrix WELL / SURFACE DATA REPORT 11/21/2004								
Well No.#	Tws	Rng	Sec	Easting	Northing	Water Level Date	Water Level ('bgs)	
L 10069	205	37E	4	663045	3608918	4/10/1989	22	
L 02102	20S	37E	5	661857	3607693	3/20/1953	46	
L 02278	20S	37E	5	662261	3607698	2/1/1961	37	
L 02488	20S	37E	5	662247	3608504	2/3/1954	32	
L 02497	20S	37E	5	661353	3607586	3/10/1954	35	
L 09779	205	37E	5	662742	3609012	1/15/1985	40	
L 03380	195	37E	32	662314	3610618	12/7/1956	35	
L 03938	195	37E	32	662434	3609515	9/5/1958	25	
L 05049	19S	37E	32	661630	3609503	4/23/1963	27	
L 06492	195	37E	32	661410	3610508	4/4/1969	27	
L 03738	195	37E	33	664245	3609344	12/2/1957	31	
L 03988	19S	37E	33	662937	3609225	9/5/1958	29	
L 09128	19S	37E	33	662937	3609425	12/20/1984	26	
L 09129	19S	37E	33	663843	3609338	9/1/1984	43	
L 10397	195	37E	33	663521	3610635	5/4/1994	13	
Site MW	195	37E	32	662827.4	3609148	2/21/2003	28.81	
Davis East Well	20S	37E	5	662715	3609035		na	
Davis Northwest Well	20S	37E	5	662682	3609050		na	
Davis Southwest Well	20S	37E	5	662696	3609033		na	
Bold indicates wells within 1,0	00 horiz	zontal fee	t of the	site.				

2.5 AREA SURFACE WATER BODIES

There are no permanent or intermittent surface water bodies within a 1,000-foot radius of the site.

3.0 NMOCD SITE RANKING

Based on the proximity of the site to protectable area water wells, surface water bodies, and depth to ground water, the site has an NMOCD ranking score of 40 points with the soil remedial goals highlighted below in the Site Ranking Matrix.

1. Gro	ound Water	2. V	Wellhead Protection Area	3. Distance to Surface Water Body		
points	GW <50 feet: 20 GW 50 to 99 ts		' from water source, or;<200' vate domestic water source: 20	<200 horizontal feet: 20 points 200-100 horizontal feet: 10 points		
	GW >100 feet: 0		' from water source, or; >200' vate domestic water source: 0	>1000 horizontal feet: 0 points		
Ground water Score = 20 Wellhead			Protection Area Score= 20	Surface Water Score= 0		
Site Rank ((1+2+3) = 20 + 20	+ 0 =	40 points			
Total S	ite Ranking So	core and	d Acceptable Remedial G	oal Concentrations		
Parameter	>19		10-19	0-9		
Benzene ¹	10 ppm		10 ppm	10 ppm		
BTEX ¹	50 ppm		50 ppm	50 ppm		
ТРН	100 ррт		1000 ppm	5000 ppm		

4.0 SOIL INVESTIGATION

The vertical extents of CoC impact were delineated on January 29, 2003 and the horizontal extents delineated during excavation with confirmation sidewall and bottom composite samples collected on April 29 and May 7 and 19, 2003.

4.6 SOIL BORING DATA

On January 29, 2003, three soil borings were advanced within the affected area to evaluate the vertical extent of crude oil impact. Soil boring BH1 near the leak origin was impacted to 10'bgs and soil borings BH2 and BH3 in the north and south halves of the north flowpath showed CoC impact to between 2 and 5'bgs. The site map showing the affected area and the soil boring locations is included in Attachment I. The analytical results are provided and summarized in Attachment III and illustrated below after section 4.7.2.2.3.

4.7 EXCAVATION DATA

The excavated areas were divided into the leak origin excavation and the north flowpath. The north flowpath was split into the north and south halves.

4.7.1 NORTH FLOWPATH

The north flowpath was excavated vertically from approximately 3'bgs at the north end to approximately 6'bgs at the south end adjacent to the leak origin excavation. Soil was also removed laterally 5 to 10-feet beyond the initial spill area perimeter. On April 29, 2003, after VOC headspace surveys of the sides and bottoms indicated adequate soil removal, a series of five-point composite samples of the sides and bottom of the north and south halves of the north flowpath were collected and submitted to the laboratory for CoC analyses. All laboratory analytical results were less than the NMOCD remedial goals.

4.7.2 LEAK ORIGIN EXCAVATION

The leak origin final excavated vertical interval was approximately 18'bgs and was the maximum depth attainable with a track mounted backhoe (trackhoe). The excavation extended laterally beyond the initial spill area perimeter approximately 20-feet to the west, approximately 10-feet to the east, and approximately 5-feet to the south. The north part of the excavation graded from approximately 18'bgs to approximately 6'bgs northward into the north flowpath. Five-point composite samples of the sides and bottom were routinely collected during excavation and surveyed for VOC headspace to assess adequacy of soil removal. The initial sidewall and bottom composite samples were collected on May 7, 2003. All samples were below the CoC remedial goals except for the west sidewall and the bottom composite samples.

4.7.2.1 West Sidewall

The west sidewall exceeded only the 100 mg/Kg TPH^{8015m} remedial goal at 443.5 mg/Kg. Subsequently, the west sidewall was excavated further and resampled on May 19, 2004 with the analytical results showing no CoC detections above the method detection limits.

4.7.2.2 Bottom

The decision was made to cease vertical removal of soil given the absence of BTEX compounds, the acceptability of the TPH concentration (127.8 mg/Kg TPH) when considering the range of TPH concentrations represented by the reported value, and because of excavation and site safety issues (adjacent to New Mexico State Road 8).

4.7.2.2.1 Bottom BTEX

The fact that the BTEX compounds were not detected above the laboratory method detection limits in the bottom sample supports the decision to cease soil removal.

4.7.2.2.2 Bottom TPH^{8015m}

The bottom TPH^{8015m} result was only slightly elevated above the 100 mg/Kg TPH^{8015m} remedial goal at 127.8 mg/Kg. Review of the laboratory quality control (QC) analyses shows that the "% recovery" of the surrogates, i.e., 1-Chlorooctane and 1-Chlorooctadecane, to be 130% and 117%, respectively. These analytical recovery rates are within the QC limits but suggest that the reported values could be inflated by as much as 17% for the "gasoline range organics" (GRO) and 30% for the "diesel range organics" (DRO). The reported values actually represent a TPH concentration range from an acceptable 89.46 mg/Kg to 127.8 mg/Kg with a mean value of 108.63 mg/Kg. Furthermore, 89% of the TPH residual is composed of non-soluble DRO and will not, under the unsaturated conditions, be capable of vertical migration and poses no risk to the groundwater or the near surface environment.

4.7.2.2.3 Excavation and Site Safety Issues

Because of the safety issues associated with further excavation, i.e., pressurized lines crossing the excavation, the proximity to New Mexico State Road 8, and the excavation safety issues, the decision was made to leave the bottom intact. Deeper excavation would have required expanding the excavation laterally and looping the active lines around the excavation. Further soil removal on the east of the excavation would interfere with traffic and could have affected the stability of the roadway and was not tenable.





Plains All American Pipieline Central Battery 6" #2003-00007 and #2003-00013 BTEX Delineation

Plains All American Pipieline Central Battery 6" #2003-00007 and #2003-00013 Benzene Delineation



5.0 GROUND WATER INVESTIGATION

To evaluate if the crude oil had impacted ground water, soil boring BH1, located approximately 15-feet southeast and down gradient of the leak origin, was advanced to groundwater and installed and developed as a temporary 4"PVC cased monitor well. The well was purged and sampled on February 21, 2003 and the sample submitted to the laboratory for benzene, toluene, ethylbenzene, and xylene analysis. The laboratory did not detect any of the analytes above the method detection limit of 1 μ g/L, well below the New Mexico Water Quality Control Commission (WQCC) standards. The monitor well was not subsequently sampled. The analytical results are summarized below and the reports included in Attachment III.

	Plains All American Pipeline									
	Central Battery	/ 6" #2003-000	007 & #2003-00	0013 Grou	undwater	Data				
	Tempora	ary Monitor Well	installed at BH1 i	near the lea	nk origin					
Sample Location	Sample Identification	Sample Date	Water Level (feet below ground surface)	Benzene µg/Kg	Toluene µg/Kg	Ehtylbenzene µg/Kg	m,p, &o -Xylene µg/Kg			
MW (BH1)	WEC622103MW	2/21/2003	28.81	<1	<1	<1	<1			
	NM Water (Quality Control Corr	mission Standards	10	750	750	620			

6.0 SOIL REMEDIATION

At the direction of EOTT Energy Pipeline, L.P., the asset owner at the time, a total of 2,310 yd³ of soil impacted above the remedial goals was disposed of in the NMOCD approved and permitted C&C Landfarm NM-01-0012 and the South Monument Surface Waste Management Facility NM-01-0032. The laboratory analytical results from composite samples collected from the leak origin and north flowpath excavation sides and bottoms was discussed relative to the potential environmental risks, achievement of the NMOCD remedial goals, and site safety issues and determined to be acceptable. The excavation was backfilled with clean soil, contoured to the natural grade, and the fence replaced. Photographs are included in Attachment II.

7.0 CONCLUSION AND CLOSURE REQUEST

The information provided in this report documents:

- Adequate delineation of the vertical and horizontal extents of crude oil impact in the soil,
- Verification that groundwater had not been impacted,
- Acceptable remediation of the site, and
- Acceptable surface restoration.

The site has been remediated to the NMOCD standards except for the nominal TPH residual at approximately 18'bgs. Removal of this residual source term is not justified because it does not represent an environmental risk to the groundwater, the near surface ecology, or area residents. Therefore, Plains All American Pipeline requests that the NMOCD require "no further action" at this site.

ATTACHMENT I: SITE MAPS





CENTRAL BATTERY 6" LINE #1 #2003-00007







ATTACHMENT II: PHOTOGRAPHS

J PLAINS









ATTACHMENT III: ANALYTICAL REPORTS AND SUMMARY

				DI 1 011 0										
			.	Plains All A		-								
			Central Ba	ttery 6" #2003-000	007 & #2003-	00013	Delinea	ition Da	ata					т
Borehole	Sampling Interval bgs	Sample Identification	Sample Date	Lithology	HEADSPACE VOC ² (ppm)	GRO ³ mg/Kg	DRO⁴ mg/Kg	TPH⁵ mg/Kg	BTEX µg/Kg	Benzene µg/Kg	Toluene µg/Kg	Ethylbenzene µg/Kg	m,p-Xylene µg/Kg	o-Xylen µg/Kg
	2'	SEC6B612903BH1-2	1/29/2003	Dark oily sand	321	4830	4490	9320	24019	209	3570	5080	11900	3260
DIV	5'	SEC6B612903BH1-5	1/29/2003	Light Brown Sand	31.6	4060	2870	6930	26442	382	4600	5190	12900	3370
BH1	10'	SEC6B612903BH1-10	1/29/2003	Tan Caliche	17.2	<5	6.12	6.12	<20	<20	<20	<20	<20	<20
	15'	SEC6B612903BH1-15	1/29/2003	Light Brown Sand	5.8	<5	<5	<5	<20	<20	<20	<20	<20	<20
	2'	SEC6B612903BH2-2	1/29/2003	Dark oily sand	247	4290	4870	9160	25786	166	2130	3850	17100	2540
BUO	5'	SEC6B612903BH2-5	1/29/2003	Brown Sand	10.4	<5	<5	<5	<20	<20	<20	<20	<20	<20
BH2	10'	SEC6B612903BH2-10	1/29/2003	Light Brown Sand	3.7	<5	<5	<5	<20	<20	<20	<20	<20	<20
	15'	SEC6B612903BH2-15	1/29/2003	Light Brown Sand	2.1	<5	<5	<5	<20	<20	<20	<20	<20	<20
	2'	SEC6B612903BH3-2	1/29/2003	Dark oily sand	359	1640	3040	4680	12523	44	939	2000	8220	1320
внз	5'	SEC6B612903BH3-5	1/29/2003	Brown Sand	264	<5	<5	<5	<20	<20	<20	<20	<20	<20
	10'	SEC6B612903BH3-10	1/29/2003	Light Brown Sand	22.4	<5	<5	<5	<20	<20	<20	<20	<20	<20
	15'	SEC6B612903BH3-15	1/29/2003	Light Brown Sand	3.4	<5	<5	<5	<20	<20	<20	<20	<20	<20
	Bottom	SEC6NFPBH	4/29/2003	Light Brown Sand	8.1	<10	42.5	42.5	<25	<25	<25	<25	<25	<25
North Flowpath	East Sidewall	SEC6NFPESW	4/29/2003	Light Brown Sand	0.7	<10	<10	<10	<25	<25	<25	<25	<25	<25
	West Sidewall	SEC6NFPWSW	4/29/2003	Light Brown Sand	1.2	<10	<10	<10	<25	<25	<25	<25	<25	<25
	Bottom	SEC6SFPBH	4/29/2003	Light Brown Sand	3.4	<10	17	17	<25	<25	<25	<25	<25	<25
South Flowpath	East Sidewall	SEC6SFPESW	4/29/2003	Light Brown Sand	2.1	<10	<10	<10	<25	<25	<25	<25	<25	<25
	West Sidewall	SEC6SFPWSW	4/29/2003	Light Brown Sand	0.4	<10	11.9	11.9	48	<25	<25	<25	48	<25
	Bottom	SECB65703BH	5/7/2003	Light Brown Sand	3.4	13.8	114	127.8	<25	<25	<25	<25	<25	<25
	East Sidewall	SECB65703ESW	5/7/2003	Light Brown Sand	4.2	<10	15.3	15.3	<25	<25	<25	<25	<25	<25
Excavation	North Sidewall	SECB65703NSW	5/7/2003	Light Brown Sand	2.1	<10	100	100	30	<25	<25	<25	30	<25
Excavation	South Sidewall	SECB65703SSW	5/7/2003	Light Brown Sand	0.4	<10	<10	<10	<25	<25	<25	<25	<25	<25
	West Sidewall	SECB65703WSW	5/7/2003	Light Brown Sand	22	74.5	369	443.5	81	<25	<25	<25	81	<25
	West Bluewair	SECB651903WSW	5/19/2003	Light Brown Sand	0.4	<10	<10	<10	<25	<25	<25	<25	<25	<25
				Remedial Goal				100	50000	10000				
00 ppm Isobutylen	e calibration gas =	101 ppm		⁵ TPH-Total Petroleum H	ydrocarbon = GR	O+DRO.								
ogs – below ground	d surface			⁶ Bolded values are in ex	cess of the New I	Mexico Oil	l Conserva	ation Divis	ion guide	line thresho	d for the p	arameter		
/OC-Volatile Orga	nic Contaminants/0	Constituents		⁷ Italicized values are < th										
GRO-Gasoline Rar	nge Organics			⁸ na - Not Analyzed										
DRO-Diesel Range	• •													

I PLAINS

Data Reports

CINCLY S						220	2 Montopolis 9 N. Padre Isl 2) 385-5886	and Dr.,	Corpus Cl	aristi, T	X 78408
Phone: (505) 394-3481 FAX: (505)	NM 88231 394-2601					Report#/Lab II Project ID: 200 Sample Name: Sample Matrix Date Received: Date Sampled:	03-00007 Centr SEC6BL12903 : soil : 01/31/2003 01/29/2003	al 6" Batt BH2-2 Time: Time:	09:55 08:00		
REPORT OF ANALYSIS Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	OUALITY Data Qual ⁷				LCS ⁴
TPH by GC (as diesel) TPH by GC (as diesel-ext) TPH by GC (as gasoline) Volatile organics-8260b/BTEX Benzene Ethylbenzene m,p-Xylenes o-Xylene Toluene	4870 4290 166 3850 17100 2540 2130	mg/Kg mg/Kg µg/Kg µg/Kg µg/Kg µg/Kg µg/Kg	50 50 20 20 5000 20 20 20	<50 <50 <20 <20 <5000 <20 <20	02/07/03 02/05/03 02/07/03 02/04/03 02/04/03 02/04/03 02/04/03 02/04/03 02/04/03	8015 mod. 3540 8015 mod. 8260b 8260b 8260b 8260b 8260b 8260b 8260b	 	9.6 3.4 2.2 0.2 0.7 0.5 1.2	79.6 82.5 82.4 102 101.4 98.1 88.4	98 93 81.6 97.2 96.5 94.1 81	88.4 78.8 81.2 75.6 77.8 84.5 78.3
Rie	wledge, the anal Quality Contro ts reserved. No	ytical results l Program. © part of this ans without the omitted,	e (RQL) typical dilution associa	relative percent (red from a spike sed as the perce: , typically at or ly denote USEP ns. 7. Data Qu tted method blan	(%) difference d sample. nt (%) recovery above the Pra A procedures. alifiers are J = nk(s). S1 =MS sory limit. S3	mple batch which inclu- between duplicate measu 4. Calibration Verification y of analyte from a know ctical Quantitation Limit Less than ("<") values re- analyte potentially press and/or MSD recovery e =MS and/or MSD and Pl ference.	rements. 3. Rec. on (CCV) and Lab /n standard or mat t (PQL) of the ana eflect nominal qua ent between the P(vaceed advisory lin	overy (Rec oratory Co rix. 5. Re lytical met ntitation lin QL and the nits. S2 = I	ov.) is the per- ntrol Sample porting Quan hod. 6. Me mits adjusted MDL. B = A Post digestion	rcent (%) of (LCS) res- ntitation Li- thod numb for any re- nalyte det n spike (PE	of analyte sults are imits bers quired ected in DS)



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: 2003-00007 Central 6" Batt. Line	Report#/Lab ID#: 138898
Attn:	Pat McCasland	Sample Name: SEC6BL12903BH2-2	Sample Matrix: soil

1

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	93.4	65-115	
Toluene-d8	8260b	116	50-120	

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

Exceptions Report:

Report #/Lab ID#: 138898Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00007 Central 6" Batt. LineSample Name: SEC6BL12903BH2-2

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 $\leq = 6^{\circ}$ 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
Nitrobenzene-d5 Nitrobenzene-d5	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Notes:		

Page#: 3 Report #/Lab ID#:138898 Report Date: 2/13/200

Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice Phone: (505) 394-3481 FAX: (505)	NM 88231 394-2601					Report#/Lab ID Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	3-00007 Centr SEC6BL12903 soil 01/31/2003	al 6" Batt BH2-5 Time:	rt Date: (Line 09:55 08:30	02/13/03	
REPORT OF ANALYSIS							QUALITY				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	02/07/03	8015 mod.		9.6	79.6	98	88.4
TPH by GC (as diesel-ext)					02/05/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	02/07/03	8015 mod.		3.4	82.5	93	78.8
Volatile organics-8260b/BTEX			02/03/03	8260b	•• •• ••			***			
Benzene	<20	µg/Kg	20 ·	<20	02/03/03	8260b		2.2	82.4	81.6	81.2
Ethylbenzene	<20	µg/Kg	20	<20	02/03/03	8260b		0.2	102	97.2	75.6
m,p-Xylenes	<20	µg/Kg	20	<20	02/03/03	8260b		0.7	101.4	96.5	77.8
o-Xylene	<20	µg/Kg	20	<20	02/03/03	8260b		0.5	98.1	94.1	84.5
Toluene	<20	µg/Kg	20	<20	02/03/03	8260b		1.2	88.4	81	78.3
	owledge, the ana e/Quality Contro ats reserved. No	lytical results I Program. © part of this eans without th bmitted, faster	e (RQL) typical dilution associa recover	elative percent (red from a spike sed as the percent, typically at or ly denote USEP ns. 7. Data Qu tted method blan	(%) difference ad sample. (%) recovery above the Pra A procedures. (alifiers are J = nk(s). S1 =MS sory limit. S3	imple batch which includ between duplicate measu 4. Calibration Verification y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery e: =MS and/or MSD and PI ference.	rements. 3. Reco n (CCV) and Lab n standard or mat (PQL) of the ana flect nominal qua nt between the PC acceed advisory lin	overy (Recovery Co oratory Co rix. 5. Re lytical met nutitation lin QL and the nits. S2 = F	by.) is the per- ntrol Sample porting Quar hod. 6. Me nits adjusted MDL. B = A Post digestion	rcent (%) o (LCS) res ntitation Li thod numb for any rea nalyte deta spike (PE	of analyte ults are mits oers quired ected in OS)

Report Date: 02/13/03

Page#: 1



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

Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH2-5

Report#/Lab ID#: 138899 Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	40.8	50-150	X
p-Terphenyl	8015 mod.	52.6	50-150	
1,2-Dichloroethane-d4	8260b	79.7	65-115	
Toluene-d8	8260b	103	50-120	

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

Exceptions Report:

Report #/Lab ID#:138899 Matrix: soil Client: Environmental Plus, Inc. Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH2-5

Attn: Pat McCasland

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
Nitrobenzene-d5		Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices
Nitrobenzene-d5	X	(sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

Notes:

Page#: 3 Report #/Lab ID#:138899 Report Date: 2/13/200

A naly s	3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 784 (512) 385-5886										X 78408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. O EunicePhone:(505) 394-3481FAX:(505)	NM 88231 394-2601					Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	03-00007 Centr SEC6BL12903 : soil 01/31/2003	ral 6" Bati 3BH2-10 Time:	rt Date: (t. Line 09:55 09:00	02/13/03	
REPORT OF ANALYSIS							OUALITY				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷				
TPH by GC (as diesel)	<5	mg/Kg	5	<5	02/07/03	8015 mod.		9.6	79.6	98	88.4
TPH by GC (as diesel-ext)					02/05/03	3540					
TPH by GC (as gasoline) <5			5	<5	02/07/03	8015 mod.		3.4	82.5	93	78.8
Volatile organics-8260b/BTEX				02/03/03	8260b						
Benzene <20 $\mu g/Kg$				<20	02/03/03	8260b		2.2	82.4	81.6	81.2
Ethylbenzene	<20	µg/Kg	20 20	<20	02/03/03	8260b		0.2	102	97.2	75.6
m,p-Xylenes <20 µg/Kg				<20	02/03/03	8260b		0.7	101.4	96.5	77.8
o-Xylene	<20	µg/Kg	20	<20	02/03/03	8260b		0.5	98.1	94.1	84.5
Toluene	<20	µg/Kg	20	<20	02/03/03	8260b		1.2	88.4	81	78.3
	wledge, the anal Quality Contro ts reserved. No	lytical results l Program. © part of this ans without th omitted,	e of the r recover express (RQL), typicall dilution associa recover	elative percent (red from a spike sed as the percent typically at or ly denote USEP ns. 7. Data Qu ted method blar	 (%) difference ed sample. nt (%) recover. above the Pra A procedures. alifiers are J = nk(s). S1 = MS sory limit. S3 	ample batch which include between duplicate measu 4. Calibration Verification y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery en =MS and/or MSD and PE	rements. 3. Reco n (CCV) and Lab n standard or mat: (PQL) of the ana flect nominal qua nt between the PC cceed advisory lin	overy (Recovery Co oratory Co rix. 5. Re lytical met ntitation lin QL and the nits. S2 = F	ov.) is the per- ntrol Sample porting Quar hod. 6. Me nits adjusted MDL. B = A cost digestion	ccent (%) o (LCS) res atitation Li thod numb for any rec nalyte deta spike (PD	of analyte sults are imits bers quired sected in DS)



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

Attn: Pat McCasland Sample Name: SEC6BL12903BH2-10 Sample Matrix: soil	Client:	Environmental Plus, Inc.	Project ID: 2003-00007 Central 6" Batt. Line	Report#/Lab ID#: 138900
	Attn:	Pat McCasland	Sample Name: SEC6BL12903BH2-10	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	52.1	50-150	
p-Terphenyl	8015 mod.	69.8	50-150	
1,2-Dichloroethane-d4	8260b	96	65-115	
Toluene-d8	8260b	97.6	50-120	

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

 Page#: 2
 Report Date: 02/13/03

3512 Montopolis Drive, Austin, TX 78744 2209 N. Padre Island Dr., Corpus Christi, T (DE (DE											
Phone: (505) 394-3481 FAX: (505)	NM 88231 394-2601					Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	03-00007 Centr SEC6BL12903 : soil 01/31/2003 01/29/2003	al 6" Bat BH2-15 Time: Time:	09:55 09:35		
<u>REPORT OF ANALYSIS</u> Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	<u>QUALITY</u> Data Qual ⁷		ANCE DA Recov.3		LCS ⁴
TPH by GC (as diesel) TPH by GC (as diesel-ext) TPH by GC (as gasoline) Volatile organics-8260b/BTEX Benzene Ethylbenzene m,p-Xylenes o-Xylene Toluene	<5 <5 <20 <20 <20 <20 <20 <20 <20	mg/Kg mg/Kg μg/Kg μg/Kg μg/Kg μg/Kg μg/Kg	5 5 20 20 20 20 20 20 20 20	<5 <5 <20	02/07/03 02/05/03 02/07/03 02/03/03 02/03/03 02/03/03 02/03/03 02/03/03 02/03/03	8015 mod. 3540 8015 mod. 8260b 8260b 8260b 8260b 8260b 8260b 8260b 8260b		9.6 3.4 2.2 0.2 0.7 0.5 1.2	79.6 82.5 82.4 102 101.4 98.1 88.4	98 93 81.6 97.2 96.5 94.1 81	88.4 78.8 81.2 75.6 77.8 84.5 78.3
	wledge, the anal /Quality Contro its reserved. No	ytical results l Program. © part of this ans without th omitted,	express (RQL) typical dilution associa recover	elative percent (red from a spike sed as the percent typically at or denote USEP ns. 7. Data Qu ted method blar	%) difference d sample. nt (%) recover above the Pra A procedures. alifiers are J = nk(s). S1 =MS cory limit. S3	ample batch which includ between duplicate measu 4. Calibration Verificatio y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery ez =MS and/or MSD and PE ference.	rements. 3. Rec n (CCV) and Lab n standard or mat (PQL) of the ana effect nominal qua nt between the PC acceed advisory lir	overy (Recoveratory Coveratory Co	ov.) is the per- ntrol Sample porting Quan hod. 6. Me nits adjusted MDL. B = A Post digestior	rcent (%) of (LCS) res ntitation Li thod numb for any rea nalyte det spike (PE	of analyte sults are imits bers quired ected in DS)


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

			Report#/Lab ID#: 138901
Attn:	Pat McCasland	Sample Name: SECOBL12903BH2-15	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	53.9	50-150	
p-Terphenyl	8015 mod.	68.8	50-150	
1,2-Dichloroethane-d4	8260b	91.9	65-115	
Toluene-d8	8260b	113	50-120	

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

Page#: 2 Report Date: 02/13/03

A naly s ys						220	2 Montopolis 9 N. Padre Isl 2) 385-5886	and Dr.,	Corpus Cl	hristi, T	X 7840
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice Phone: (505) 394-3481 FAX: (505)				Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	3-00007 Centr SEC6BL12903 soil 01/31/2003	al 6" Bat 3BH3-2 Time:	ort Date: (t. Line 09:55 10:20	02/13/03			
REPORT OF ANALYSIS							OUALITY				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	3040	mg/Kg	50	<50	02/07/03	8015 mod.		9.6	79.6	98	88.4
TPH by GC (as diesel-ext)					02/05/03	3540					
TPH by GC (as gasoline)	1640	mg/Kg	50	<50	02/07/03	8015 mod.		3.4	82.5	93	78.8
Volatile organics-8260b/BTEX					02/04/03	8260b					
Benzene	44	µg/Kg	20	<20	02/04/03	8260b		2.2	82.4	81.6	81.2
Ethylbenzene	2000	µg/Kg	20	<20	02/04/03	8260b		0.2	102	97.2	75.6
m,p-Xylenes	8220	µg/Kg	5000	<5000	02/03/03	8260b		0.7	101.4	96.5	77.8
o-Xylene	1320	µg/Kg	20	<20	02/04/03	8260b		0.5	98.1	94.1	84.5
Toluene	939	µg/Kg	20	<20	02/04/03	8260b		1.2	88.4	81	78.3
	wledge, the anal Quality Contro its reserved. No	ytical results I Program. © part of this ans without th pmitted,	e (RQL) typical dilution associa recover	elative percent (red from a spike sed as the percent , typically at or ly denote USEP ns. 7. Data Qu ted method blar	(%) difference ed sample. nt (%) recover above the Pra A procedures. alifiers are J = ek(s). S1 =MS cory limit. S3	ample batch which includ between duplicate measu 4. Calibration Verificatio y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery er =MS and/or MSD and PE ference.	rements. 3. Rec n (CCV) and Lab n standard or mat (PQL) of the ana flect nominal qua nt between the PC acceed advisory lir	overy (Rec oratory Co rix. 5. Re lytical met ntitation lin QL and the nits. S2 = F	ov.) is the per- ntrol Sample porting Quar hod. 6. Me mits adjusted MDL. B = A Post digestion	rcent (%) of (LCS) res ntitation Li thod numb for any re- nalyte det spike (PL	of analyte sults are .imits bers equired tected in DS)

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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: 2003-00007 Central 6" Batt. Line	Report#/Lab ID#: 138902
Attn:	Pat McCasland	Sample Name: SEC6BL12903BH3-2	Sample Matrix: soil

1

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	90.5	65-115	
Toluene-d8	8260b	114	50-120	

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

Exceptions Report:

Report #/Lab ID#:138902 Matrix: soil Client: Environmental Plus, Inc. Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH3-2

Attn: Pat McCasland

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 $\leq = 6^{\circ}$ 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.)

Parameter	Qualif	Comment
Nitrobenzene-d5 Nitrobenzene-d5	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Notes:		

Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice Phone: (505) 394-3481 FAX: (505)				Report#/Lab II Project ID: 200 Sample Name: Sample Matrix Date Received: Date Sampled:	03-00007 Centr SEC6BL12903 soil 01/31/2003	al 6" Bati BH3-5 Time:	ort Date: (t. Line 09:55 11:00	02/13/03			
REPORT OF ANALYSIS							OUALITY				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov.3	CCV ⁴	LCS
TPH by GC (as diesel)	<5	mg/Kg	5	<5	02/07/03	8015 mod.	***	9.6	79.6	98	88.4
TPH by GC (as diesel-ext)					02/05/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	02/07/03	8015 mod.		3.4	82.5	93	78.8
Volatile organics-8260b/BTEX			**=		02/03/03	8260b					
Benzene	<20	µg/Kg	20	<20	02/03/03	8260b	***	2.2	82.4	81.6	81.2
Ethylbenzene	<20	µg/Kg	20	<20	02/03/03	8260b	***	0.2	102	97.2	75.6
m,p-Xylenes	<20	µg/Kg	20	<20	02/03/03	8260b		0.7	101.4	96.5	77.8
o-Xylene	<20	µg/Kg	20	<20	02/03/03	8260b		0.5	98.1	94.1	84.5
Toluene	~ <20	µg/Kg	20	<20	02/03/03	8260b	·	1.2	88.4	81	78.3
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, Richard Laster				relative percent (red from a spike sed as the percent , typically at or ly denote USEP ns. 7. Data Qu ated method blar	(%) difference k ad sample. 4 ant (%) recovery above the Prace A procedures. alifiers are J = ak(s). S1 =MS sory limit. S3 =	mple batch which incluse etween duplicate measure . Calibration Verification of analyte from a know etical Quantitation Limit Less than ("<") values re analyte potentially presse and/or MSD recovery e MS and/or MSD and Pl Serence.	rements. 3. Reco on (CCV) and Lab n standard or mat (PQL) of the ana effect nominal qua ent between the PC xceed advisory lin	overy (Reco oratory Co rix. 5. Re lytical met ntitation lin QL and the nits. S2 = F	ov.) is the pe ntrol Sample porting Quan hod. 6. Me mits adjusted MDL. B = A Post digestion	reent (%) o (LCS) res ntitation Li thod numl for any re analyte det n spike (PI	of analy sults are imits bers quired ected in OS)

 Page#: 1
 Report Date: 02/13/03

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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 Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH3-5

Report#/Lab ID#: 138903 Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	53.8	50-150	
p-Terphenyl	8015 mod.	68.9	50-150	
1,2-Dichloroethane-d4	8260b	76.9	65-115	
Toluene-d8	8260b	97.5	50-120	

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

Client: Environmental Plus, Inc.				Report#/Lab II)#: 138904	Reno	rt Date: (12/13/03			
Attn: Pat McCasland						Project ID: 200		•			
Address: 2100 Ave. O						Sample Name:	SEC6BL12903	BH3-10			
Eunice NM 88231						Sample Matrix:	soil				
						Date Received:	01/31/2003	Time:	09:55		
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	01/29/2003	Time:	11:20		
REPORT OF ANALYSIS							OUALITY	ASSUR	ANCE DA	ATA ¹	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	02/07/03	8015 mod.	·••	9.6	79.6	98	88.4
TPH by GC (as diesel-ext)					02/05/03	3540	+				
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	02/07/03	8015 mod.	***	3.4	82.5	93	78.8
Volatile organics-8260b/BTEX					02/03/03	8260b	*==				
Benzene	<20	µg/Kg	20 ·	<20	02/03/03	8260b	***	2.2	82.4	81.6	81.2
Ethylbenzene	<20	µg/Kg	20	<20	02/03/03	8260b		0.2	102	97.2	75.6
m,p-Xylenes	<20	µg/Kg	20	<20	02/03/03	8260b		0.7	101.4	96.5	77.8
o-Xylene	<20	µg/Kg	20	<20	02/03/03	8260b		0.5	98.1	94.1	84.5
Toluene	<20	µg/Kg	20	<20	02/03/03	8260b	•==	1.2	88.4	81	78.3
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, Richard Laster				elative percent (red from a spike sed as the percent , typically at or ly denote USEP ns. 7. Data Qu ted method blar	(%) difference is ad sample. A nt (%) recovery above the Pra A procedures. alifiers are J = nk(s). S1 =MS sory limit. S3 =	mple batch which include between duplicate measu 4. Calibration Verification of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery e: =MS and/or MSD and PI	rements. 3. Reco on (CCV) and Lab n standard or mate (PQL) of the ana effect nominal qua ont between the PC acceed advisory lin	overy (Reco oratory Co rix. 5. Re lytical met ntitation lin (L and the nits. S2 = F	by.) is the per- ntrol Sample porting Quar hod. 6. Me nits adjusted MDL. B = A cost digestion	rcent (%) o (LCS) res ntitation Li thod numb for any rec nalyte deto spike (PD	of analyte sults are imits pers quired ected in DS)

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Page#: 1 Report Date: 02/13/03

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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 Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH3-10

Report#/Lab ID#: 138904 Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	55.5	50-150	
p-Terphenyl	8015 mod.	72.9	50-150	
1,2-Dichloroethane-d4	8260b	87.5	65-115	
Toluene-d8	8260b	101	50-120	

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

Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice NM 88231 Phone: (505) 394-3481 FAX: (505) 394-2601						Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	03-00007 Centr SEC6BL12903 soil 01/31/2003	al 6" Batt BH3-15 Time:	rt Date: (t. Line 09:55 12:00	02/13/03	
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	ATA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	02/11/03	8015 mod.	J	9.6	79.6	98	88.4
TPH by GC (as diesel-ext)					02/05/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	02/11/03	8015 mod.		3.4	82.5	93	78.8
Volatile organics-8260b/BTEX					02/03/03	8260b	*==				
Benzene	<20	µg/Kg	2 0 ·	<20	02/03/03	8260b		2.2	82.4	81.6	81.2
Ethylbenzene	<20	µg/Kg	20	<20	02/03/03	8260b		0.2	102	97.2	75.6
m,p-Xylenes	<20	µg/Kg	20	<20	02/03/03	8260b		0.7	101.4	96.5	77.8
o-Xylene	<20	µg/Kg	20	<20	02/03/03	8260b		0.5	98.1	94.1	84.5
Toluene	<20	µg/Kg	20	<20	02/03/03	8260b		1.2	88.4	81	78.3
Toluene <20 µg/Kg This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, Richard Laster				relative percent of red from a spike sed as the perces , typically at or ly denote USEP ns. 7. Data Qu ated method blas	(%) difference I ad sample. 4 nt (%) recovery above the Prace A procedures. adifiers are J = nk(s). S1 =MS sory limit. S3 =	mple batch which include between duplicate measure 4. Calibration Verification 7 of analyte from a know ctical Quantitation Limit Less than ("<") values re- analyte potentially prese and/or MSD recovery e =MS and/or MSD and PI ference.	rements. 3. Reco m (CCV) and Lab n standard or matr (PQL) of the ana effect nominal qua nt between the PC xceed advisory lin	overy (Recoveratory Coveratory Coveratory Coveratory Coverator) rix. 5. Relytical met lytical met nutitation lin QL and the nuts. S2 = F	ov.) is the per- ntrol Sample porting Quan hod. 6. Me nits adjusted MDL. B = A cost digestion	rcent (%) c (LCS) res ntitation Li thod numb for any rec nalyte deta spike (PD	of analyt ults are mits bers quired ected in DS)

Report Date: 02/13/03

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Page#: 1



 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 Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH3-15

Report#/Lab ID#: 138905 Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	52.2	50-150	
p-Terphenyl	8015 mod.	62.2	50-150	
1,2-Dichloroethane-d4	8260b	91.6	65-115	
Toluene-d8	8260b	113	50-120	

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

Exceptions Report:

Report #/Lab ID#:138905 Matrix: soil Client: Environmental Plus, Inc. Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH3-15

Attn: Pat McCasland

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 $\leq = 6^{\circ}$ 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
TPH by GC (as diesel)	1	See J-flag discussion above.
Notes:		

Page#: 3 Report #/Lab ID#:138905 Report Date: 2/13/200

C naly S ys						220	2 Montopolis 9 N. Padre Isi 2) 385-5886	and Dr.,		hristi, T	
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice Phone: (505) 394-3481 FAX: (505) REPORT OF ANALYSIS				Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	03-00007 Centr SEC6BL12903 soil 01/31/2003	al 6" Batt BH1-2 Time: Time:	09:55 13:15				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷		Recov.3		LCS ⁴
TPH by GC (as diesel) TPH by GC (as diesel-ext) TPH by GC (as gasoline) Volatile organics-8260b/BTEX Benzene Ethylbenzene m,p-Xylenes o-Xylene Toluene	4490 4830 209 5080 11900 3260 3570	mg/Kg mg/Kg µg/Kg µg/Kg µg/Kg µg/Kg µg/Kg	50 50 20 20 20 20 20 20 20	<50 <50 <20 <20 <20 <20 <20 <20 <20	02/07/03 02/05/03 02/07/03 02/04/03 02/04/03 02/04/03 02/04/03 02/04/03	8015 mod. 3540 8015 mod. 8260b 8260b 8260b 8260b 8260b 8260b 8260b		9.6 3.4 2.2 0.2 0.7 0.5 1.2	79.6 82.5 82.4 102 101.4 98.1 88.4	98 93 81.6 97.2 96.5 94.1 81	88.4 78.8 81.2 75.6 77.8 84.5 78.3
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my knd are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All righ publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc. Reference	elative percent (red from a spike ed as the percent typically at or y denote USEP as. 7. Data Qu ted method blar	(%) difference ed sample. nt (%) recover above the Pra A procedures. alifiers are J = nk(s). S1 =MS sory limit. S3	ample batch which incluc between duplicate measu 4. Calibration Verificatio y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery ex =MS and/or MSD and PL ference.	rements. 3. Reco n (CCV) and Lab n standard or mate (PQL) of the ana flect nominal qua nt between the PC (ceed advisory lin	overy (Rece oratory Co rix. 5. Re lytical met ntitation lin QL and the nits. S2 = P	ov.) is the per- ntrol Sample porting Quar hod. 6. Me nits adjusted MDL. B = A cost digestior	rcent (%) of (LCS) res- ntitation Li- thod numb for any rec- nalyte deto spike (PD	of analyte ults are mits pers quired ected in OS)			

Exceptions Report:

Report #/Lab ID#:138906 Matrix: soil Client: Environmental Plus, Inc. Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH1-2

Attn: Pat McCasland

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 $\leq 6^{\circ}$ 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
Nitrobenzene-d5 Nitrobenzene-d5		Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl		Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes:

Page#: 3 Report #/Lab ID#:138906 Report Date: 2/13/200



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 Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH1-2

Report#/Lab ID#: 138906 Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	99.9	65-115	
Toluene-d8	8260b	81	50-120	

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

Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice Phone: (505) 394-3481 FAX: (505)	NM 88231 394-2601					Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	3-00007 Centr SEC6BL12903 soi1 01/31/2003	ral 6" Bast BBH1-5 Time:		92/13/03	
REPORT OF ANALYSIS	<u></u>						QUALITY	ASSUR	ANCE D.	ATA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS
TPH by GC (as diesel)	2870	mg/Kg	50	<50	02/07/03	8015 mod.	·	9.6	79.6	98	88.4
TPH by GC (as diesel-ext)					02/05/03	3540					
TPH by GC (as gasoline)	4060	mg/Kg	50	<50	02/07/03	8015 mod.	~~~~	3.4	82.5	93	78.8
Volatile organics-8260b/BTEX					02/04/03	8260b			· • -		
Benzene	382	µg/Kg	20 .	<20	02/04/03	8260b	~~~	2.2	82.4	81.6	81.2
Ethylbenzene	5190	µg/Kg	20	<20	02/04/03	8260b	N=+	0.2	102	97.2	75.6
m,p-Xylenes	12900	µg/Kg	20	<20	02/04/03	8260b	··	0.7	101.4	96.5	77.8
o-Xylene	3370	µg/Kg	20	<20	02/04/03	8260b	· • • • •	0.5	98.1	94.1	84.5
Toluene	4600	µg/Kg	20	<20	02/04/03	8260b		1.2	88.4	81	78.3
	owledge, the ana e/Quality Contro ats reserved. No	lytical results l Program. © part of this cans without th bmitted, faster	e (RQL) typical dilution associa	elative percent (red from a spike sed as the percent typically at or ly denote USEP as. 7. Data Qu ted method blar	(%) difference ad sample. Int (%) recovery above the Pra A procedures. Italifiers are J = ak(s). S1 =MS sory limit. S3	mple batch which include between duplicate measu 4. Calibration Verification y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery er =MS and/or MSD and PI ference	rements. 3. Reco n (CCV) and Lab n standard or mata (PQL) of the ana flect nominal qua nt between the PQ weed advisory lin	every (Reconstruction of the construction of t	by.) is the per- ntrol Sample porting Quar hod. 6. Me nits adjusted MDL. B =A cost digestion	reent (%) c (LCS) res utitation Li thod numb for any red nalyte deto spike (PD	of analy oults are ounts ours quired octed in OS)

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Page#: 1 Report Date: 02/13/03

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 FAX (512) 385-7411

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH1-5

Report#/Lab ID#: 138907 Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	84.4	65-115	
Toluene-d8	8260b	98	50-120	

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

Exceptions Report:

Report #/Lab ID#:138907 Matrix: soil Client: Environmental Plus, Inc. Project ID: 2003-00007 Central 6" Batt. Line Sample Name: SEC6BL12903BH1-5

Attn: Pat McCasland

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
Nitrobenzene-d5 Nitrobenzene-d5		Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Notes:		

Page#: 3 Report #/Lab ID#:138907 Report Date: 2/13/200

					2.28	* N. Padre 481 1.) 385-5886	and Dr • FA	Corpus Cl	hristi, T	X 78408
NM 88231 394-2601					Project ID: 200 Sample Name: Sample Matrix Date Received:	03-00007 Centr SEC68112903 Soil 01/33/2003	at 6" Bat 3BH1-10 Time:	. Line (19:55	213/03	
					.	QUALITY	ASSUR.	ANCED	i a i	
Result	Units	RQL ⁵	Blank	Bate	Method 6	In the states in the set of Alexandra data to be a state of	second and the second second second	to make which we are to be made because		LCS4
6.12	mg/Kg	5	<\$	02/02/03	8015 mod.	(n. 1997) (n. 19	9.6	79.6	98	88.4
				02/05/03	3540	1 1 2 2 3	14 AL _		· - · ·	
<5	mg/Kg	5	<5	02/07/03	8015 mod.		3.4	82.5	93	78.3
				02/04/03	<260b	in the second		Second second second second second second		
<20	µg/Kg	20 -	<20	02/04/03	826Ch	Name of the second s	2.2	82.4	81.6	812
<20	µg/Kg	20	<20	02/04/03	3260b		0.2	100	97.2	75.6
<20	µg/Kg	20	<20	02/04/03	3260b		0.7	101.4	96.5	72.8
<20	µg/Kg	20	<20	02/04/03	326Cb	·	0.5	아동 등	94.1	84-5
<20	µg/Kg	20	<20	02/04/03	326Cb		1.2	814	81	78-3
weldge, the anal Quality Contro ts reserved. No rm or by any me spectfully Sul	ytical results l Program. © part of this ans without the omitted,	e (RQL) typical dilution	elative percent red from a spike and as the perce typically at or y denote USEP ns. 7. Data Qu	 (%) difference if ed sample. nt (%) recover, above the Practice in the procedures. addiffers are J = 	between duplicate measu 4. Calibration Verificatio 7 of analyte freed a know etical Quantics on Limit Less than (1911) values re analyte potentially prese	memorys 5 Rec on (CCV) and Lab on standard or mat ((PQC)) of the ana efflort notainal qua ent between the PC	overy (Reo to mory Co rist 5. Re dytical met contation lin QL and the	ov.) is the pe numble scorple ponting Quar hod. A Me mits adjusted MDC. B #A	reent (%) ((LCS) re- ntitation 1, athod nu a' for any re- analyte cet	of analyte sults are d uits doers equired tooted in
	394-2601 Result 6.12 <5 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20	394-2601 Result Units 6.12 mg/Kg <5	394-2601ResultUnitsRQL 5 6.12mg/Kg5<5	394-2601ResultUnitsRQL 5Blank 6.12 mg/Kg5 <5 <5 mg/Kg5 <5 <5 mg/Kg20 <20 <20 μ g/Kg20 <20 <20 μ g/Kg <20 <20 <20 μ g/Kg <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20	394-2601 Result Units RQL^5 Blank Date 6.12 mg/Kg 5 <5	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c} 2.16 \times N. P alres is (51:) 385 + 5886 \\ \hline (51:) 385 + 5866 \\ \hline (51:) 385 \\ \hline (5$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	NM 88231 394-2601 Sample Matrix: soil Difference Sample Matrix: soil Date Received: 01/3 U/2003 Time: 09:55 Date Sample Matrix: soil Date Received: 01/2 W2003 Time: 02/0 AL11Y ASSUBANCE, DAC A ¹ Result Units RQL ⁵ Blank Date Method ⁶ Data Qual ⁷ Prec. ² Receive ² CCV ⁴ 0.12 mg/Kg 5 02/0 1/03 S015 Date Sample Mit Of the Colspan="2">Obsta Qual ⁷ Prec. ² Receive ² CCV ⁴ CCV ⁴ Octor Of the Colspan="2">Octor Of the Colspan= 20 Octor Of the Colspan="2">Octor Of the Colspan="2">Octor Of the Colspan= 20 Octor Of the Colspan="2">Octor Of the Colspan= 20 Octor Of the Colspan="2">Octor Of the Colspan= 20 Octor Of the Colspan= 20<



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: 2003-00007 Central 6" Batt. Line	Report#/Lab ID#: 138908
Attn:	Pat McCasland	Sample Name: SEC6BL12903BH1-10	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	50.4	50-150	
p-Terphenyl	8015 mod.	64	50-150	
1,2-Dichloroethane-d4	8260b	84.2	65-115	
Toluene-d8	8260Ъ	98.5	50-120	

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

Page#: 2 **Report Date: 02/13/03**

Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice Phone: (505) 394-3481 FAX: (505)	NM 88231 394-2601					Report#Lab Project ID: 2 Sample Same Sample Matri Date Received Date Sampled	103-00007 Cent + SECURL12903 x: soil 1: 01/11/2003	al 6º Batt	0 9:53	02/13/03	
REPORT OF ANALYSIS							QUALITY	ASSUR.	ANCH. DA	ATA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual?	Prec. ²	Recey?	CCV	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	02/07/03	8015 mod.		9.6	79,6	98	88.4
TPH by GC (as diesel-ext)					02/05/03	3540		·· ·· *	· ·		
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	02/07/03	8015 mod.		3.4	3Q.5	93	78.8
Volatile organics-8260b/BTEX				er van benede dielekter weer en staat die seerde aan ook ook ook ook ook ook ook ook ook oo	02/03/03	8260b	a na sa				
Benzene	<20	µg/Kg	20	<20	02/03/03	\$2606		2.2	80.4	81.6	81.2
Ethylbenzene	<20	µg/Kg	20	<20	02/03/03	82.60b		0.2	102	97.2	75.6
m,p-Xylenes	<20	µg/Kg	20	<20	02/03/03	82605		0.7	161.4	96.5	77.8
o-Xylene	<20	µg/Kg	20	<20	02/03/03	82606		0.5	98.1	94.1	84.5
Toluene	<20	µg/Kg	20	<20	02/03/03	32 6 0b	a a a a	1.2	88.4	81	78.3
	owledge, the ana e/Quality Contro hts reserved. No	lytical results of Program. © part of this eans without the bmitted, faster	e (RQL), typicall dilution associan recover	elative percent red from a spik- ed as the perce typically at or y denore USEP is. 7. Data Qu ted method blar y exceeds advi	(%) difference b ed sample. 4 nt (%) recovery r above the Prace A procedures. nalifiers are J = r nk(s). S. =MS	nple batch which incluster deplicate mea- setwice deplicate mea- of analyte from a kat- tical Quantitation Un- Less than ("<") value- analyte potentially pre- and/or MSD recovery MS and/or MSD acc- menses.	enoments. (2) Roce unit (CCV) and Lab out standard of mat of (PQL) of the ana ordect notainal qua of the two en the PC object advisory fir	overy (Reco oraiory Co- rix. 5 Ro- lytical met nuitation im QL and the nuits. \$2 = 9	 av.) is the po- ntrol Sample borting Quan- hod. 6. Me- mits adjusted MDL, B = A Post digestion 	rcent (%) o ((, C S) resolution L stat on L shod numi for any re unalyte det spike (PI	of analyte sults are imits bers equired rected ar OS)



Client:

Page#: 2

Attn:

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

	and the second	
Environmental Plus, Inc.	Project ID: 2003-00007 Central 6" Batt. Line	Report#/Lab ID#: 138909
Pat McCasland	Sample Name: SEC6BL12903BH1-15	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	50.6	50-150	
p-Terphenyl	8015 mod.	65	50-150	
1,2-Dichloroethane-d4	8260b	83.3	65-115	
Toluene-d8	8260b	104	50-120	

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

Report Date: 02/13/03

Exceptions Report:

Report #/Lab ID#:138909 Matrix: soil Client: Environmental Plus, Inc. Project ID: 2003-00007 Central 6" Batt. Linc Sample Name: SEC6BL12903BH1-15

Attn: Pat McCasland

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 $\leq = 6^{\circ}$ 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	Canment
TPH by GC (as diesel)	ļ	See J-flag discussion above.
Notes:		

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ports To:			Bill t	o (if (differ	ent):											
y Name Environme	wtal	Plu.5	Com	pany	Name	e <u>E</u> 2	TT ENP	24				4221	Freid			Suite 190, Austin, ŤX 78 2) 444-5896	744
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intite State	/MZip	88231	_ City	Mil	there	1	State 7	_ Zi	p <u>29</u>	200	? 						
Par MCash	and		_ ATT				emandez	2 				/				es Requested (1)	
5- 394 3481 Fax 3	65- 3	94-260	/ Phon	e <u>91</u>	5.6	<u>38.2</u>	<u>5799</u> Fax			,		L,	Please	attacl	h exp	planatory information as requ	uired
itus (must be confirme										A	15	/			/		
Name/PO#: 2003 - 0	10007	Samp	ler: <u>Fra</u>	Lley	B	b) 			304	05				/		
ient Sample No. ption/Identification	Date	Time	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)		ALD Y							Comments	
5.CGBL 12903BH2-2	1-29	8:00	1	X		·	138898	X	X								
=6B412903BH2-5	1-29-3	8:30	1	x			138899		×								
<u>CGBL12903BH2-10</u>	1-29-03	9:00	·	X			138900	X	X							The state of the s	
E.C.6B.(12903 BHD-15	1-29-03	9:35	<u> </u>	X			138901	X	X		_						
EC6BL12903BH3-2	1-29.03	10:20	1	X			138902	X	X						_		
EC.6BL12903BH3-5	1-29-03	11:00	<u> </u>	X			138903	×	X		_						
2.6 BL12903BH3-10	1-29.0	3 11:20	1	X			138904	1×	X			· .			_		
C6B12903BH3-15	1-29-03	3 12:00	1	x		-	138905	12	\times								
C6BL12903BH1-2	1-29-0	3 1:15	1	$ \times$		_	138906	1×	X								
=CGBL12903BHL-5	- 1-29-0	3 1:30	<u> </u>	X		1	138907	X	X								

ecifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting /PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ist at ASI's option. Specific compound lists must be supplied for all GC procedures. $T = 2.3^{\circ}$

	Sample Relinquishee	d By		Sample Received By								
ne	Affiliation	Date	Time	Name	Affiliation	Date	Time					
Ily Bl-	Environeestar Plus	1-29-03	1997	Melonie Ha	mohrus ASI	1/31/03	0955					
7000												
ng of abov	ve described samples to AnalySy	ys, Inc. for analyt	ical testing	constitutes agreemen	t by buyer/sampler to Analys	Sys, Inc.'s standard	d terms.					

a							220	2 Montopolis 19 N. Padre Isl 2) 385-5886	and Dr.,	Corpus Ci	hristi, T	X 78408
Phone:	Environmental Plus, Inc. Pat McCasland : 2100 Ave. O Eunice (505) 394-3481 FAX: (505) F OF ANALYSIS	NM 88231 394-2601					Report#/Lab ID#: 139832 Report Date: 03/04/03 Project ID: 2003-00007 Sample Name: WEC622103MW Sample Matrix: water Date Received: 02/26/2003 Date Received: 02/26/2003 Time: 16:42 Date Sampled: 02/21/2003 Time: 15:00 OUALITY ASSURANCE DATA ¹					
Paramet		Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷				LCS ⁴
Volatile o	rganics-8260b/BTEX				8260b							
Benzene		<1	μg/L	1	<1	02/28/03	8260b		1.4	71.4	81.2	70.5
Ethylbenz	ene	<1	μg/L	1	<1	02/28/03	8260b		1	110	100.2	106.3
m,p-Xyle	nes	<1	µg/L	1	<1	02/28/03	8260b	J	1.5	109.2	99.9	107.7
o-Xylene		<1	µg/L	1 ·	<1	02/28/03	8260b		4.3	106	96.8	109.7
Toluene		<1	μg/L	1	<1	02/28/03	8260b	J	7.9	91.2	86.7	83.5
have been of are consist Copyright publication		wledge, the anal Quality Contro its reserved. No	lytical results 1 Program. © part of this ans without th bmitted,	e of the recover express (RQL) typica dilution associ recover	relative percent (cred from a spike sed as the percent typically at or lly denote USEP ns. 7. Data Qu ated method blar	(%) difference ed sample. ant (%) recovery above the Prav A procedures. adifiers are J = nk(s). S1 =MS sory limit. S3 =	mple batch which inclus between duplicate measu 4. Calibration Verificatio y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery e =MS and/or MSD and Pl ference.	rements. 3. Recommends. 3. Recommends. 3. Recommendation (CCV) and Laborn standard or matter (PQL) of the analeflect nominal quagent between the PC acceed advisory limeter advisory lineter advisory limeter advi	overy (Reco oratory Co rix. 5. Re alytical met intitation lin QL and the nits. S2 = P	ov.) is the per- ntrol Sample porting Quar hod. 6. Me nits adjusted MDL. B = A Post digestion	rcent (%) c (LCS) res ntitation Li thod numb for any re- nalyte det spike (PE	of analyte sults are imits pers quired ected in DS)



Client:	Environmental Plus, Inc.	Project ID: 2003-00007	Report#/Lab ID#: 139832
Attn:	Pat McCasland	Sample Name: WEC622103MW	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.1	80-120	
Toluene-d8	8260b	99.2	88-110	

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



Report Date: 03/04/03

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Exceptions Report:

Report #/Lab ID#:139832 Matrix: water Client: Environmental Plus, Inc. Project ID: 2003-00007 Sample Name: WEC622103MW

Attn: Pat McCasland

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 $\leq = 6^{\circ}$ 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	1	See J-flag discussion above.
Toluene	J	See J-flag discussion above.
Notes:		

Envice : Har 1 Gas-SP4	<u>Enluination</u> <u>Aue O</u> State <u>Castan</u> <u>Castan</u> <u>Sign</u> Fax <u>c</u> to be confirmed	NMZ.ip ; L 5a5- 399	8823/ 4-260	∠ Phon	Mid N: _/ c ¶/;	Hard Fran 5-63	- 1 <u>K 1</u> 8-31	TT Ever UY 80 State 73 Kanbade 77 Fax	_ Zi	ip <u>2</u>	77	21	4			es Reque	
t Name/PO Client Samp cription/Ider	#: <u>2003 - 1</u> le No.	Date	Samp	No. of Containers			Waste	Lab I.D. # (Lab only)		het						Con	nments
JECG88	103MW	2-21-03	3:00	2		X		<u>139832</u>	×						┠╌╌┧		
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DL/PQL). For G	ested otherwise on C/MS volatiles and ion. Specific comp	extractables,	unless specif at be supplie	ic analytical p d for all GC pr	aramelo	er lists ar	l analyse e specifi	s will be conducte ed on this chain-c	cd usin of-cust	ig ASI's ody ar s	llische	d to thi	s chain	id all data of-custor ceived	iy, ASI	reported to AS will default to $T = 4$	Priority Pollut
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ANALYTICAL REPORT

Prepared for:

FRANK HERNANDEZ EOTT ENERGY PIPELINE P.O. BOX 1660 Midland, TX 79702

 Project:
 Central 6" Batt.

 PO#:
 2003-00007

 Order#:
 G0306382

 Report Date:
 05/06/2003

<u>Certificates</u> US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

EOTT ENERGY PIPELINE	Order#:	G0306382
P.O. BOX 1660	Project:	2003-00007
Midland, TX 79702	Project Name:	Central 6" Batt.
687-2713	Location:	None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

				Date / Time	e I	Date / Time		
<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>		Collected		Received	Container	Preservative
0306382-01	SEC6NFPESW	SOIL		4/29/03		4/30/03	4 oz glass	Ice
0000002 01				14:15		12:30		
La	<u>ıb Testing:</u>	Rejected:	No	T	emp:	4 C		
	8015M							
	8021B/5030 BTEX							
0306382-02	SEC6NFPWSW	SOIL		4/29/03		4/30/03	4 oz glass	Ice
_				14:20	_	12:30		
La	ib Testing:	Rejected:	NO	Т	emp:	4 C		
	8015M							
	8021B/5030 BTEX							
0306382-03	SEC6NFPESW	SOIL		4/29/03		4/30/03	4 oz glass	Ice
0300302-03				14:25		12:30		
La	ub Testing:	Rejected:	No	Т	emp:	4 C	· · · · ·	
	8015M							
	8021B/5030 BTEX							
0306382-04	SEC6NFPWSW	SOIL		4/29/03		4/30/03	4 oz glass	Ice
				14:30		12:30		
La	<u>b Testing:</u>	Rejected:	No	Т	'emp:	4 C		
	8015M							
	8021B/5030 BTEX							
0306382-05	SEC6NFPBH	SOIL		4/29/03		4/30/03	4 oz glass	Ice
0500504 05				14:35		12:30		
La	<u>b Testing:</u>	Rejected:	No	Т	'emp:	4 C		
	8015M							
	8021B/5030 BTEX				. <u> </u>			
0306382-06	SEC6NFPBH	SOIL		4/29/03		4/30/03	4 oz glass	Ice
				14:40	_	12:30		
La	<u>b Testing:</u>	Rejected:	No	Т	emp:	4 C		
	8015M							
	8021B/5030 BTEX							

FRANK HERNAN EOTT ENERGY J P.O. BOX 1660 Midland, TX 797	PIPELINE			Order#: Project: Project Name Location:	200. e: Cen	06382 3-00007 tral 6" Batt. le Given	
Lab ID: Sample ID:	0306382-01 SEC6NFPESW						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilutio <u>Factor</u>	Analyst	Method
			4/30/03	1	1	WL	8015M
		Parameter		Result mg/kg		RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C		<10.0		10.0	
		TOTAL, C6-C	.35	<10.0		10.0	
		Surr	ogates	% Recovered	QC Li	nits (%)	
		1-Chloro		90%	70	130	
		1-Chloro	octadecane	78%	70	130	
			80211	B/5030 BTEX			
	Method	Date Prepared	Date <u>Analyzed</u>	Sample	Dilutio		Mathod
	<u>Blank</u> 0005396-02		5/1/03 19:16	<u>Amount</u> 1	Factor 25	<u>Analyst</u> CK	<u>Method</u> 8021B
		Parameter	,	Result mg/kg		RL	
		Benzene	·	<0.025		0.025	
		Toluene		<0.025		0.025	
		Ethylbenzene		<0.025		0.025	
		p/m-Xylene o-Xylene		<0.025		0.025	
							Į
		Surr	ogates	% Recovered	QC Li	nits (%)	
		aaa-Tolu		82%	80	120	
		Bromofly	Jorobenzene	103%	80	120	

FRANK HERNA EOTT ENERGY P.O. BOX 1660 Midland, TX 7	Y PIPELINE		Order#: Project: Project Nam Location:	2003 e: Cent	G0306382 2003-00007 Central 6" Batt. None Given		
Lab ID: Sample ID:	0306382-02 SEC6NFPWSW						
				8015M			
	Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor		Method
	<u>Diank</u>	<u>I Teparcu</u>	4/30/03	1	1	WL	8015M
		Parameter		Resul mg/kg		RL	
		GRO, C6-C12		<10.0)	10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35 <10.0 10.0				10.0	
	Surrog	ates	% Recovered	QC Lin	uits (%)		
		1-Chiorooc	tane	94%	70	130	
		1-Chlorooct	adecane	82%	70	130	
			8021E	B/5030 BTEX	•		
	Method	Date			Dilution		
	<u>Blank</u>	Prepared	Analyzed	<u>Amount</u>	Factor	<u>Analyst</u>	Method
	0005396-02		5/1/03 19:35	1	25	CK	8021B
		Parameter	,	Resul		RL	
		Benzene		<0.02		0.025	
		Toluene		<0.02	5	0.025	
		Ethylbenzene		<0.02	5	0.025	
		p/m-Xylene		<0.025	5	0.025	
		o-Xylene		<0.02	5	0.025	
		Surroga	ites	% Recovered	QC Lim	iits (%)	
		aaa-Toluen		87%	80	120	
		Bromofluor	·····	105%	80	120	

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

FRANK HERNAN EOTT ENERGY I P.O. BOX 1660 Midland, TX 797	PIPELINE			Order#: Project: Project Nam Location:	200 e: Ce	306382)3-00007 ntral 6" Batt. ne Given	
Lab ID: Sample ID:	0306382-03 SEC6NFPESW						
				8015M			
	Method	Date	Date	Sample	Diluti	0 n	
	Blank	Prepared	Analyzed	Amount	<u>Facto</u>	or <u>Analyst</u>	Method
			4/30/03	1	1	WL	8015M
		Parameter		Resul mg/kg		RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35		<10.0		10.0	
		Surroga	tes	% Recovered	QC L	imits (%)	
		1-Chloroocta		94%	70	130	
		1-Chioroocta	decane	81%	70	130	
			80211	B/5030 BTEX	•		
	Method	Date	Date	Sample	Dilutio		
	<u>Blank</u>	Prepared	Analyzed	Amount	<u>Facto</u>		Method
	0005396-02		5/1/03 19:54	1	25	СК	8021B
		Parameter		Resul mg/kg	;	RL	
		Benzene		<0.02		0.025	
		Toluene		<0.02		0.025	
		Ethylbenzene p/m-Xylene		<0.025		0.025	
		o-Xylene		<0.02		0.025	
				% Recovered		mits (%)	
		Surrogat	es	76 Recovered			
		Surrogat aaa-Toluene Bromofluoro		85% 109%	80	120 120	

FRANK HERN EOTT ENERGY P.O. BOX 1660 Midland, TX 7	Y PIPELINE				Order#: Project: Project Nam Location:	G0306382 2003-00007 ne: Central 6'' Batt. None Given		att.	
Lab ID: Sample ID:	0306382-04 SEC6NFPWSW								
				801:	5M				
	Method	Date	Date		Sample	Diluti			
	<u>Blank</u>	Prepared	Analyzed	4	Amount	Facto		<u>alyst</u>	Method
			4/30/03		1	1	V	VL	8015M
		Parameter			Resul mg/kg		RL		
		GRO, C6-C12			<10.0		10.0		
		DRO, >C12-C35			11.9		10.0		
		TOTAL, C6-C3	5		11.9		10.0		
		Surrog		04	Recovered		imits (%)		
		1-Chlorooc			96%	70	130		
		1-Chlorooc			85%	70	130		
		L	2/503	BO BTEX					
	Method	Date	Date		Sample	Diluti	D ri		
	Blank	Prepared			mount		Factor Analy		t <u>Method</u>
	0005435-02		5/1/03 21:11		1	25	C.	K	8021B
		Parameter			Result mg/kg	- I	RL		
		Benzene			<0.02	5	0.025		
		Toluene			<0.025	5	0.025	•	
		Ethylbenzene			<0.025	5	0.025		
		p/m-Xylene			0.048		0.025		
		o-Xylene			<0.025	5	0.025		
		r							
		Surrog		%	Recovered		imits (%)		
		aaa-Toluen			81%	80	120		
		Bromofluor	openzene		93%	80	120		

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

FRANK HERNAND EOTT ENERGY PI P.O. BOX 1660 Midland, TX 79702	PELINE			Order#: Project: Project Name Location:	200 e: Cen	306382 3-00007 htral 6" Batt. he Given	
Lab ID: Sample ID:	0306382-05 SEC6NFPBH						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 4/30/03	Sample <u>Amount</u> 1	Dilutio <u>Factor</u> 1		<u>Method</u> 8015M
		Parameter		Result mg/kg		RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		42.5		10.0	
		TOTAL, C6-C35		42.5		10.0	
		Surroga	% Recovered	OC Li	mits (%)		
		1-Chlorooct		103%	70	130	
		1-Chlorooct		88%	70	130	
			<i>80211</i>	3/5030 BTEX			
	Method	Date	Date	Sample	Dilutio		
	<u>Blank</u> 0005435-02	<u>Prepared</u>	<u>Analyzed</u> 5/1/03 21:31	<u>Amount</u> 1	<u>Facto</u> 25	<u>Analyst</u> CK	Method 8021B
		Parameter	•	Result mg/kg		RL	
		Benzene		<0.025		0.025]
		Toluene Ethylbenzene		<0.025		0.025	-
		p/m-Xylene		<0.025		0.025	-
		o-Xylene		< 0.025		0.025	-
							-
		Surroga		% Recovered		mits (%)	
		aaa-Toluen Bromofluore		80%	80	120 120	
		Bromonuore	JUCHZENE	93%	80	120	

FRANK HERNA EOTT ENERGY P.O. BOX 1660 Midland, TX 79	PIPELINE			Order#: Project: Project Nam Location:	20 e: Ce	0306382 03-00007 entral 6" Batt. one Given	
Lab ID: Sample ID:	0306382-06 SEC6NFPBH						
				8015M			
	Method	Date	Date	Sample	Diluti	on	
	Blank	Prepared	Analyzed	Amount	Facto		Method
			4/30/03	1	1	WL	8015M
		Parameter		Resul mg/kg		RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		17.0		10.0	
		TOTAL, C6-C35		17.0		10.0	
		Surroga	tes	% Recovered	QC L	imits (%)	
		1-Chlorooct	ane	94%	70	130	
		1-Chlorooct	adecane	82%	70	130	
			8021B	/5030 BTEX			
	Method	Date	Date	Sample	Dilutio		
	Blank	Prepared	Analyzed	Amount	Facto		Method
	0005435-02		5/2/03 14:42	1	25	CĶ	8021B
		Parameter		Result mg/kg		RL	
		Benzene		<0.025	5	0.025	
	1	Toluene		<0.025		0.025	
	ļ	Ethylbenzene		<0.025		0.025	
		p/m-Xylene		<0.024		0.025	
	l	o-Xylene		<0.025		0.025	
		Surroga	tes	% Recovered	QC Li	imits (%)	
		aaa-Toluene		91%	80	120	
		Bromofluoro	benzene	101%	80	120	
				Celey Jeann Sandr	d K. Tut D. Keer e McMu a Biezug	ttle, Lab Director, ne, Org. Tech. Dir rrey, Inorg. Tech. gbe, Lab Tech. Lab Tech.	ector

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 6 of 6

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8015M

Order#: G0306382

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005388-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306383-01	0	952	1023	107.5%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306383-01	0	952	983	103.3%	4.%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005388-05		1000	790	79.%	
ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8021B/5030 BTEX

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0005396-02			<0.025		• •
Benzene-mg/kg	0005435-02			<0.025		·····
Toluene-mg/kg	0005396-02	i		<0.025		
Toluene-mg/kg	0005435-02			<0.025		
Ethylbenzene-mg/kg	0005396-02			<0.025		
Ethylbenzene-mg/kg	0005435-02			<0.025		
p/m-Xylene-mg/kg	0005396-02			<0.025		
p/m-Xylene-mg/kg	0005435-02		· · · · · · · · · · · · · · · · · · ·	<0.025		
o-Xylene-mg/kg	0005396-02			<0.025		
o-Xylene-mg/kg	0005435-02	*		<0.025		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0005396-03		0.1	0.098	98.%	
Toluene-mg/kg	0005396-03		0.1	0.100	100.%	<u>.</u>
Ethylbenzene-mg/kg	0005396-03		0.1	0.109	109.%	
p/m-Xylene-mg/kg	0005396-03		0.2	0.230	115.%	
o-Xylene-mg/kg	0005396-03		0.1	0.105	105.%	
CONTROL DUP	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0005396-04		0.1	0.101	101.%	3.%
Foluene-mg/kg	0005396-04		0.1	0.105	105.%	4.9%
Ethylbenzene-mg/kg	0005396-04		0.1	0.110	110.%	0.9%
p/m-Xylene-mg/kg	0005396-04	, , , , , , , <u></u> ,	0.2	0.237	118.5%	3.%
D-Xylene-mg/kg	0005396-04		0.1	0.110	110.%	4.7%
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0306391-01	0	0.1	0.099	99.%	- <u></u>
Foluene-mg/kg	0306391-01	0	0.1	0.102	102.%	
Ethylbenzene-mg/kg	0306391-01	0	0.1	0.113	113.%	
p/m-Xylene-mg/kg	0306391-01	0	0.2	0.237	118.5%	
o-Xylene-mg/kg	0306391-01	0	0.1	0.107	107.%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0306391-01	0	0.1	0.094	94.%	5.2%
Foluene-mg/kg	0306391-01	0	0.1	0.097	97.%	5.%
Ethylbenzene-mg/kg	0306391-01	0	0.1	0.107	107.%	5.5%
p/m-Xylene-mg/kg	0306391-01	0	0.2	0.225	112.5%	5.2%
o-Xylene-mg/kg	0306391-01	0	0.1	0.102	102.%	4.8%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0005396-05		0.1	0.088	88.%	<u> </u>

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT 8021B/5030 BTEX Or

SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0005435-05		0.1	0.095	95.%	
Toluene-mg/kg	0005396-05		0.1	0.091	91.%	
Toluene-mg/kg	0005435-05		0.1	0.100	100.%	
Ethylbenzene-mg/kg	0005396-05		0.1	0.099	99.%	
Ethylbenzene-mg/kg	0005435-05		0.1	0.109	109.%	
p/m-Xylene-mg/kg	0005396-05		0.2	0.208	104.%	
p/m-Xylene-mg/kg	0005435-05		0.2	0.229	114.5%	
o-Xylene-mg/kg	0005396-05		0.1	0.096	96.%	
o-Xylene-mg/kg	0005435-05		0.1	0.103	103.%	

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa Texas 79763	Phone: Fax:	915-563-18 915-563-17																			
Project Manager: FRANK	HERNANDEZ		<u></u>									I	Proje	ct N	ame	: <u>CE</u>	NTF	RAL	6" B.	ATT	
Company Name: EOTT E													ļ	Proje	ict#	: 200	03-0	000	7		
Company Address: <u>5805 E</u> .	HIGHWAY 80												Pro	oject	Loc	:					
City/State/Zip: MIDLA	ND TX	79701			<u></u>					-				۱	PO#	:					
Telephone No: 915-556	5-0190			<u> </u>				<u></u>													
Sampler Signature:	e Mille.																				
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			Date Sampled	Time Sampled	No. of Containers	ICE	ONH	HCI	OSH	None	Other (Specify)	Water	Sludge	Soli Other (Specify)	TDS/CL/SAR/EC		g	TPH 8015M GRO/DRO	Metals	Volatiles	Control or designed
SEC6NFPESW			4/29/2003	215	11	x	-+		+	+	-	-+	+	ती	+-	+	†-	X			-
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S	EC6SFPWSW		4/29/2003	230	1	X	\vdash			_				X	-+		\rightarrow		X				X				\rightarrow	\rightarrow	_∔_	_
	EC6SFPESW		4/29/2003	225		X	┝──┾		+		-	┫		X		\rightarrow			X	\rightarrow	-		X					\rightarrow		_
	EC6NFPWSW		4/29/2003	220	1	X			_		+	ļ		X		\rightarrow		_	X	_			X				_ _			-
SE SE	EC6NFPESW		4/29/2003	215	1	Х					_	<u> </u>		Х					X	\square			X				1			
AND -			Date Sampled	Time Sampled	No. of Container		ONH	Ξ	NaOH		Other (Specify)	Water	Sludge		Other (Specify)	TDS/CL/SAR/EC	TPH 418.1		TPH 8	Metals	Volatiles	Semivolatiles	btex 8021B/5030	Reactivity	Corrosivity	Ignitbility			DI ICH TAT	RUSH TAL
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Analyze For

ANALYTICAL REPORT

Prepared for:

FRANK HERNANDEZ EOTT ENERGY PIPELINE P.O. BOX 1660 Midland, TX 79702

 Project:
 Central Batt. 6"

 PO#:
 2003-0007

 Order#:
 G0306459

Report Date: 05/14/2003

<u>Certificates</u> US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

EOTT ENERGY PIPELINE	Order#:	G0306459
P.O. BOX 1660	Project:	2003-0007
Midland, TX 79702	Project Name:	Central Batt. 6"
687-2713	Location:	none given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

				Date / Time	Ľ	Date / Time		
<u>Lab ID:</u>	Sample :	<u>Matrix:</u>		Collected	_	Received	Container	<u>Preservative</u>
0306459-01	SECB65703NSW	SOIL		5/7/03		5/9/03	4 oz jars	ice
				8:30		16:30		
<u>La</u>	<u>b Testing:</u>	Rejected:	No	Te	mp:	2.5 C		
	8015M							
	8021B/5030 BTEX							
0306459-02	SECB65703SSW	SOIL		5/7/03		5/9/03	4 oz jars	ice
				8:35		16:30		
La	<u>b Testing:</u>	Rejected:	No	Te	mp:	2.5 C		
	8015M							
	8021B/5030 BTEX							
0306459-03	SECB65703ESW	SOIL		5/7/03		5/9/03	4 oz jars	ice
				8:40		16:30		
La	<u>b Testing:</u>	Rejected:	No	Те	mp:	2.5 C	N.	
	8015M							
	8021B/5030 BTEX							
0306459-04	SECB65703WSW	SOIL		5/7/03		5/9/03	4 oz jars	ice
				8:45		16:30		
La	<u>b Testing:</u>	Rejected:	No	Те	mp:	2.5 C		
	8015M							
	8021B/5030 BTEX							
0306459-05	SECB65703BH	SOIL		5/7/03		5/9/03	4 oz jars	ice
				8:50		16:30		
La	<u>b Testing:</u>	Rejected:	No	Те	mp:	2.5 C		
	8015M							
	8021B/5030 BTEX							

FRANK HERNAN EOTT ENERGY F P.O. BOX 1660 Midland, TX 797(PIPELINE			Order#: Project: Project Name Location:	200 e: Cer	306459 3-0007 atral Batt. 6'' e given	
Lab ID: Sample ID:	0306459-01 SECB65703NSW						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 5/11/03	Sample <u>Amount</u> 1	Dilutio <u>Facto</u> 1		<u>Method</u> 8015M
		Parameter		Resul		RL	
		GRO, C6-C12		mg/kg		10.0	
		DRO, >C12-C35	;	100		10.0	
		TOTAL, C6-C3		100		10.0	
		Surrog	ates	% Recovered	QC Li	mits (%)	
		1-Chlorooc		106%	70	130	
		1-Chlorooc	tadecane	93%	70	130	
			8021E	B/5030 BTEX			
	Method	Date	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilutio <u>Factor</u>		Method
	<u>Blank</u> 0005518-02	<u>Prepared</u>	5/13/03 12:51	<u>Amoun</u> 1	<u>174000</u> 25	CK	8021B
		Parameter	· · · · · · · · · · · · · · · · · · ·	Resul mg/kg		RL	
		Benzene		<0.025		0.025	
		Toluene		<0.025		0.025	
		Ethylbenzene p/m-Xylene		<0.025		0.025	
		o-Xylene		<0.025		0.025	
		Surrog	ates	% Recovered	QC Li	mits (%)	
		aaa-Toluer		88%	80	120	
		Bromofluor	obenzene	90%	80	120	

FRANK HERNA EOTT ENERGY P.O. BOX 1660 Midland, TX 7	Y PIPELINE			Order#: Project: Project Nan Location:	200 ne: Cer	306459)3-0007 ntral Batt. 6'' ne given	
Lab ID: Sample ID:	0306459-02 SECB65703SSW						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilutio <u>Facto</u>		Method
			5/11/03	1	1	WL	8015M
		Parameter		Resu mg/kg		RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35	5 .	<10.0)	10.0	
		TOTAL, C6-C3	5	<10.0)	10.0	
		Surrog 1-Chlorooc 1-Chlorooc	tane	% Recovered 116% 101%	QC Li 70 70	mits (%) 130 130	
			8021E	8/5030 BTEX	-		
	Method Blank	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilutio <u>Factor</u>		Method
	0005518-02		5/13/03 13:17	1	25	CK	8021B
		Parameter	,	Resul mg/kg		RL	
		Benzene	·	<0.02	5	0.025	
		Toluene		<0.02	5	0.025	
		Ethylbenzene		<0.02	5	0.025	
		p/m-Xylene		<0.02	-	0.025	
		o-Xylene		<0.02	5	0.025	
		Surrog	ates	% Recovered	QC Li	mits (%)	
		aaa-Toluen		96%	80	120	
		Bromofluor		92%	80	120	

FRANK HERNA	NDEZ	Order#:	G0306459	
OTT ENERGY PIPELINE		Project:	2003-0007	
P.O. BOX 1660		Project Name:	Central Batt. 6"	
Midland, TX 79	9702	Location:	none given	
Lab ID:	0306459-03			
Sample ID:	SECB65703ESW			
		8015M		

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 5/11/03	Sample <u>Amount</u> 1	Dilution <u>Factor</u> 1	<u>Analyst</u> WL	<u>Method</u> 8015M
	Parameter		Resul mg/kg		RL	
	GRO, C6-C12		<10.0		10.0	
	DRO, >C12-C35		15.3		10.0	

15.3

10.0

Surrogates	% Recovered	QC Limits (%				
1-Chlorooctane	129%	70	130			
1-Chlorooctadecane	119%	70	130			

		8021E	R/5030 BTE.	X		
Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	Method
0005518-02		5/13/03 14:23	1	25	СК	8021B

vluene hylbenzene	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)					
aaa-Toluene	88%	80	120				
Bromofluorobenzene	97%	80	120				

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

TOTAL, C6-C35

FRANK HERNA EOTT ENERGY P.O. BOX 1660 Midland, TX 7	Y PIPELINE			Order#: Project: Project Nam Location:	2003 e: Cent	06459 -0007 ral Batt. 6'' given	
Lab ID: Sample ID:	0306459-04 SECB65703WSW	7					
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	Method
			5/11/03	1	1	WL	8015M
		Parameter		Resul mg/kg		RL	
		GRO, C6-C12		74.5		10.0	
		DRO, >C12-C35		369		10.0	
	1	TOTAL, C6-C35	5	444		10.0	
		Surroga 1-Chlorooc		% Recovered	QC Lim	its (%) 130	
		1-Chlorooc		112%	70	130	
		C			· · ·		
	Method	Date	Date	Sample	Dilution		
	Blank	Prepared	Analyzed	Amount	Factor	<u>Analyst</u>	Method
	0005518-02		5/13/03 15:35	1	25	СК	· 8021B
		Parameter		Result mg/kg		RL	
		Benzene		<0.025	i	0.025	
		Toluene		<0.025	i	0.025	
		Ethylbenzene		<0.025	i	0.025	
		p/m-Xylene		0.081		0.025	
		o-Xylene		<0.025	5	0.025	
		Surroga	ateg	% Recovered	QC Lim	its (%)	
		aaa-Toluen		83%	80	120	
		Bromofluor		107%	80	120	

459-05 B65703BH Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 5/11/03	8015M Sample <u>Amount</u>	Dilutio			
<u>Blank</u>	<u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilutio			
<u>Blank</u>	<u>Prepared</u>	Analyzed	Amount	Dilutio			
				Facto	-	Method	
	Demonster		1	1	WL	8015M	
	Parameter		Result mg/kg		RL		
ľ	GRO, C6-C12		13.8		10.0		
Ī	DRO, >C12-C35		114		10.0		
•	TOTAL, C6-C35	<u>.</u>	128		10.0		
	Surroga	tes	% Recovered	QC Li	mits (%)		
			130%	70	130		
	1-Chlorooct	adecane	117%	70	130		
		8021E	B/5030 BTEX				
Method Blank	Date Prepared	Date Analyzed	Sample A mount			Method	
0005518-02	<u>a repareu</u>	5/13/03 15:57	1	25	CK	8021B	
	Parameter		Result mg/kg		RL		
[Benzene		<0.025		0.025		
L 1						-	
1	•					-	
						-	
[o-Aylene		<0.025		0.023		
	Surroga	tes	% Recovered	QC Li	mits (%)		
			90%	80	120		
	Bromofluoro	benzene	98%	80	120		
	<u>Blank</u> 0005518-02	1-Chloroocta 0005518-02 Parameter Benzene Toluene Ethylbenzene p/m-Xylene o-Xylene Surroga aaa-Toluene	Method Date Date Blank Prepared Analyzed 0005518-02 5/13/03 15:57 Parameter Benzene Toluene Ethylbenzene p/m-Xylene	1-Chlorooctane 130% 1-Chlorooctadecane 117% Blank Prepared Analyzed 0005518-02 5/13/03 1 15:57 15:57 1 Parameter Result mg/kg Benzene <0.025	1-Chlorooctane130%701-Chlorooctadecane117%70BO21B/5030 BTEXMethodDateDateSampleDilutionBlankPreparedAnalyzedAmountFacton0005518-025/13/0312515:5715:5725ParameterResult mg/kgBenzene<0.025	1-Chlorooctane130%701301-Chlorooctadecane117%70130BO21B/5030 BTEXMethodDateDateSampleDilutionBlankPreparedAnalyzedAmountFactorAnalyst0005518-025/13/03125CK15:575/13/03125CKParameterResult mg/kgBenzene<0.025	I-Chlorooctane 130% 70 130 I-Chlorooctadecane 117% 70 130 B021B/5030 BTEX Method Date Date Sample Dilution Blank Prepared Analyzed Amount Factor Analyst Method 0005518-02 5/13/03 1 25 CK 8021B Dilution Parameter Result RL Benzene <0.025

Celey D. Keene, Org. Tech. Director Jeanne McMurrey, Inorg. Tech. Director Sandra Biezugbe, Lab Tech. Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8015M

Order#: G0306459

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005491-02			<10.0		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005491-03	· · · · · · · · · · · · · · · · · · ·	952	968	101.7%	
CONTROL DUP	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005491-04		952	1025	107.7%	5.7%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005491-05		1000	979	97.9%	

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ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT 8021B/5030 BTEX or

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005518-02			<0.025		·
Toluene-mg/kg		0005518-02			<0.025		
Ethylbenzene-mg/kg		0005518-02			<0.025		
p/m-Xylene-mg/kg		0005518-02			<0.025		
o-Xylene-mg/kg		0005518-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306459-03	0	0.1	0.091	91.%	
Toluene-mg/kg		0306459-03	0	0.1	0.091	91.%	
Ethylbenzene-mg/kg		0306459-03	0	0.1	0.091	91.%	
p/m-Xylene-mg/kg		0306459-03	0	0.2	0.189	94.5%	<u></u>
o-Xylene-mg/kg		0306459-03	0	0.1	0.090	90.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306459-03	0	0.1	0.096	96.%	5.3%
Toluene-mg/kg		0306459-03	0	0.1	0.094	94.%	3.2%
Ethylbenzene-mg/kg		0306459-03	0	0.1	0.093	93.%	2.2%
p/m-Xylene-mg/kg		0306459-03	0	0.2	0.190	95.%	0.5%
o-Xylene-mg/kg		0306459-03	0	0.1	0.089	89.%	1.1%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005518-05		0.1	0.105	105.%	
Toluene-mg/kg		0005518-05	•	0.1	0.103	103.%	
Ethylbenzene-mg/kg	<i>i</i>	0005518-05		0.1	0.096	96.%	
p/m-Xylene-mg/kg		0005518-05		0.2	0.197	98.5%	
o-Xylene-mg/kg		0005518-05		0.1	0.090	90.%	

Environmental Labs of Texas

Chain of Custody Form

188 B. 198

4221 Freidrich Lane, Suite 190, Austin, TX 78744 512-444-5896 FAX: 512-447-4766

Company Name	Environmental Plus,	Inc	-				4 A		1. P.		滚 ; ii					a le s		7.8	NE	7. T	10	1611			4	3854	i j
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Client Company	EOTT Energy Co.					1	P	, e	C	HE I		71	nerg	У											1.12		
	v. Ref) Central Batt. 6" 200	0.3-0	007															l		1		ł					L H
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LAB I.D.	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 (CI)	SULFATES (SQ.")	H	TCLP	OTHER >>>						
	SECB65703NSW	Tc		+		X			\square	Γ	X		5/7/2003	8:30	X	ĪX		Г	T			T		╈	T	\mathbf{T}	1
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03	SECB65703ESW	C	1	Γ	Γ	X				Ι	X		5/7/2003	8:40	X	X						Г	T	T	Т	Т	1
	SECB65703WSW	C	1	T		X					X		5/7/2003	8:45	X	X					Γ	L		L	T	Τ]
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2209 N. Padre Island Dr., Corpus Christi, TX 78408

OTHER ANALYSES	
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EPI Form "Analysis Analysis Inc Chain of Custody.xis"

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ANALYTICAL REPORT

Prepared for:

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FRANK HERNANDEZ EOTT ENERGY PIPELINE P.O. BOX 1660 Midland, TX 79702

Project:	Central Battery 6"
PO#:	2003-00007
Order#:	G0306540
Report Date:	

<u>Certificates</u> US EPA Laboratory Code TX00158

i i

ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

EOTT ENERGY PIPELINE P.O. BOX 1660 Midland, TX 79702 687-2713 Order#: G0306540 Project: Project Name: Central Battery 6" Location:

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	<u>Sample :</u>	Matrix:	Date / Time _Collected	Date / Time <u>Received</u>	Container	Preservative
0306540-01	SECB651903WSW	SOIL	5/19/03 15:00	5/20/03 12:15	4 oz Glass	Ice
<u>Lai</u>	<u>5 Testing:</u> 8015M 8021B/5030 BTEX	Rejected: No	Ten	ар: 1.5 C	· .	

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12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

FRANK HERNAN EOTT ENERGY F P.O. BOX 1660 Midland, TX 797(PIPELINE			Order#: Project: Project Name Location:		i06540 tral Battery 6"	
Lab ID:	0306540-01						
Sample ID:	SECB651903WS	W					
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilutio <u>Factor</u>		Method
			5/20/03	1	1	WL	8015M
		Parameter		Result mg/kg		RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35		<10.0		10.0	
		Surroga	ates	% Recovered	QC Li	nits (%)	
		1-Chlorooct		111%	70	130	
		1-Chlorooc		87%	70	130	
				B/5030 BTEX			
	Method	Date Prepared	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilutio Factor		Method
	<u>Blank</u> 0005613-02		5/21/03	1	25	CK	8021B
	0005613-02		21:48	-	-0		00212
		Parameter		Result mg/kg		RL	
		Benzene		<0.025		0.025	
		Toluene		<0.025		0.025	
		Ethylbenzene		<0.025		0.025	
		p/m-Xylene o-Xylene		<0.025		0.025	
		0-Aylone		~0.025	1		
		Surroga	ntes	% Recovered	QC Li	mits (%)	
		aaa-Toluen	A	93%	80	120	
		Bromofluor		111%	80	120	

Raland K. Tuttle, Lab Director, QA Officer Celey D. Keene, Org. Tech. Director Jeanne McMurrey, Inorg. Tech. Director Sandra Biezugbe, Lab Tech. Sara Molina, Lab Tech.

Date

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8015M

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005596-02			<10.0		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005596-03		952	726	76.3%	
CONTROL DUP	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005596-04		952	748	78.6%	3.%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005596-05	······································	1000	857	85.7%	

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT 8021B/5030 BTEX

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005613-02			<0.025		
Toluene-mg/kg	· · · · · · · · · · · · · · · · · · ·	0005613-02			<0.025		
Ethylbenzene-mg/kg		0005613-02			<0.025		
p/m-Xylene-mg/kg		0005613-02			<0.025		
o-Xylene-mg/kg		0005613-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306546-01	0	0.1	0.103	103.%	
Toluene-mg/kg		0306546-01	0	0.1	0.101	101.%	
Ethylbenzene-mg/kg		0306546-01	0	0.1	0.096	96.%	
p/m-Xylene-mg/kg		0306546-01	0	0.2	0.198	99.%	
o-Xylene-mg/kg		0306546-01	0	0.1	0.091	91.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306546-01	0	0.1	0.110	110.%	6.6%
Foluene-mg/kg		0306546-01	0	0.1	0.110	110.%	8.5%
Ethylbenzene-mg/kg		0306546-01	0	0.1	0.102	102.%	6.1%
p/m-Xylene-mg/kg		0306546-01	0	0.2	0.211	105.5%	6.4%
o-Xylene-mg/kg		0306546-01	0	0.1	0.098	98.%	7.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spik e Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005613-05		0.1	0.109	109.%	
Toluene-mg/kg		0005613-05		0.1	0.106	106.%	
Ethylbenzene-mg/kg		0005613-05		0.1	0.098	98.%	
p/m-Xylene-mg/kg		0005613-05		0.2	0.203	101.5%	
o-Xylene-mg/kg		0005613-05		0.1	0.094	94.%	

Environmental Lab of Texas 2600 West I-20 East Phone: 915-563-1 Deessa Texas 79763 Fax: 915-563-1	1800																										
Project Manager: FRANK HERNANDEZ									~		Pro	ject]	Nam	ie: <u>C</u>	entra	<u>al Ba</u>	atter	ry 6'	•								-
Company Name: EOTT ENERGY PIPELINE									_			Pro	ject	#: <u>2(</u>	003-0	000	7										-
Company Address: <u>5805 E. HIGHWAY 80</u>									_		P	roje	ct Lo). 												,	
City/State/Zip: <u>MIDLAND TX 79701</u>	<u>.</u>	· · ·											PO	#:										·····			_
Telephone No: <u>713-253-7006</u> Sampler Signature: <u>BUU</u> TUU	11																										
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Selector-	Date Sampled	Time Sampled	No. of Containers	ICE	ONH	HCI	NaOH	None	Other (Snerify)	Water	Sludge	Soil	Other (Specify)	TDS/CL/SAR/EC	TPH TX 1005/1006	TPH8015MGRODRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiabilty			RUSH TAT	Standard TAT
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ATTACHMENT IV: AREA WATER INFORMATION

New Mexico Office of the State Engineer

Page 1 of 1

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Township: 198 Range: 37E	Sections:	
NAD27 X: Y:	Zone:	Search Radius:
County: Basin:	• Num	ber: Suffix:
Owner Name: (First) (Las	st) © All	○ Non-Domestic ○ Domestic
Well / Surface Data Report	Avg Dep	th to Water Report
Wate	r Column Report	
Clear Form	WATERS Menu	Нөр

AVERAGE	DEPTH	OF	WATER	REPORT	11/26/2004
ALC DIG COL	DEFTU	Ψ£	LALT THEY	TUDE ON L	11/20/2001

								(Depth	Water in	Feet)
Bsn	Tws	Rng	Sec	Zone	х	Ý	Wells	Min	Max	Avg
L	19S	37E	01				4	32	35	34
L	195	37E	03				3	40	42	41
L	19S	37E	04				7	23	65	39
L	19S	37E	06				2	50	50	50
L	195	37E	07				6	35	50	43
Ŀ	19S	37E	08				2	42	42	42
L	19S	37E	10				8	26	35	33
L	19S	37E	11				1	22	22	22
L	19S	37E	12				2	63	63	63
L	19S	37E	13				2	27	65	46
L	195	37E	14				2	20	20	20
L	195	37E	15				6	44	50	46
L	195	37E	16				5	20	45	39
L	195	37E	17				1	65	65	65
L	19S	37E	18				2	35	70	53
L	195		19				3	40	52	48
L	19S	37E	21				8	22	47	33
L	195	37E	22				4	35	40	38
L	195	37E	24				2	48	48	48
L	195	37E	27				3	18	35	29
L	19S	37E	28				3	30	31	30
L	19S	37E	29				8	18	22	20
L	19S		30				9	20	23	20
L	19S		31				2	20	27	24
L	19S		32				6	2 5	35	29
L	19S		33				20	13	43	32
L	19S	37E	34				5	20	25	22
Reco	rd Co	unt:	126	i						

http://iwaters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher

11/26/2004

ATTACHMENT V: SITE INFORMATION & METRICS FORM AND FINAL FORM C-141

Plains All American Pipeline Site Information and Metrics	Incident Date Plains All Am Pipeline		ified: 50 AM	
SITE: Central Battery 6" Line	#1 As	signed Site	Reference #:	#2003-00007
Company: Plains All American				SE CENTER - 800.424.8802
Street Address: PO Box 1660			ied Date/Time	
Mailing Address: 5805 East Hig	hway 80		ied by: Pat Mc	
City, State, Zip: Midland, Ter	(as 79702		n Notified:	
Representative: Camille Reynolds	<u>xas 19102</u>		Report# :	
Representative Telephone: 505		INC	<u>Report#</u>	
Telephone:	5.575.5011	· · · · ·		<u> </u>
Fluid volume released (bbls): 15	50 bbls	Recove	red (bbls): 85	bbls
>25 bbls: Notify NMO	CD verbally within	1.24 hrs and s	ubmit form C-1	41 within 15 days.
(Also appl 5-25 bbls: Submit form C-141 withi	ies to unauthorize	ed releases >5	00 mcf Natural	Gas)
5-25 bbls: Submit form C-141 withi	n 15 days (Also a	pplies to una	uthorized releas	es of 50-500 mcf Natural Gas)
Leak, Spill, or Pit (LSP) Name:		ry 6" Line	#1	
Source of contamination: 6" Ste				
Land Owner, i.e., BLM, ST, Fee,	Other: New Me	exico State	<u>Highway Dep</u>	artment
	o south and 20'	east to we	st	
LSP Area: 6,238 sqft.				
Location of Reference Point (RP				· · · · · · · · · · · · · · · · · · ·
Location distance and direction	from RP			
Latitude: 32°36'34.88"N				
Longitude: 103°15'55.63"W				
Elevation above mean sea level:	3,560 'msl			
Feet from South Section Line				
Feet from West Section Line				
Location - Unit or 1/4 1/4: SE 1/4 of	the SE ¹ /4		Unit Lette	r: P
Location- Section: 32				
Location- Township: T198	2 11111			
Location- Range: R37E				
Surface water body within 1000 ' Domestic water wells within 100				
Agricultural water wells within 1				
Public water supply wells within	and the second se			
Public water supply wells within			<u></u>	
Depth from land surface to grou		28.81'bgs		, <u></u>
Depth of contamination (DC) – Depth to ground water (DG – D)	$\frac{15'bgs}{C = D(CW)}$	10.0		
1. Ground Water		<u>10-feet</u> ad Protecti	on Area	3. Distance to Surface Wate Body
If Depth to GW <50 feet: 20				<200 horizontal feet: 20
points	If <1000' from		irce,	boints
If Depth to GW 50 to 99 feet:	or;<200' from		mestic	200-100 horizontal feet: 10
= $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$				
10 points	water source:	20 points		boints
10 points		-		boints
10 points If Depth to GW >100 feet: 0	If >1000' from >200' from pr	m water sou rivate dome	irce, or;	
10 points If Depth to GW >100 feet: 0 points	If >1000' from >200' from pr source: 0 poin	m water sou rivate dome ts	arce, or; stic water	boints >1000 horizontal feet: 0 boints
10 points If Depth to GW >100 feet: 0 points Ground water Score = 20	If >1000' from >200' from pr	m water sou rivate dome ts	arce, or; stic water	>1000 horizontal feet: 0
10 points If Depth to GW >100 feet: 0 points Ground water Score = 20 Site Rank (1+2+3) = 40	If >1000' from >200' from pr source: 0 poin Wellhead Prote	m water sou rivate dome ts ction Area S	arce, or; stic water	boints >1000 horizontal feet: 0 boints
10 points If Depth to GW >100 feet: 0 points Ground water Score = 20 Site Rank (1+2+3) = 40 Total Site Ranking Score and Acc	If >1000' from >200' from pr source: 0 poin Wellhead Prote	m water sour rivate dome <i>ts</i> <i>ction Area S</i> ntrations	arce, or; stic water	boints >1000 horizontal feet: 0 boints Surface Water Score= 0
10 points If Depth to GW >100 feet: 0 points Ground water Score = 20 Site Rank (1+2+3) = 40 Total Site Ranking Score and Acc Parameter >19	If >1000' from >200' from pr source: 0 poin Wellhead Prote	m water sour rivate dome <i>ts</i> <i>ction Area S</i> ntrations 10-19	arce, or; stic water	boints >1000 horizontal feet: 0 boints Surface Water Score= 0 0-9
10 pointsIf Depth to GW >100 feet: 0pointsGround water Score = 20Site Rank $(1+2+3) = 40$ Total Site Ranking Score and AccParameter >19Benzene ¹ 10 ppm	If >1000' from >200' from pr source: 0 poin Wellhead Prote	m water sour rivate dome ts ction Area S ntrations 10-19 10 ppm	arce, or; stic water	boints >1000 horizontal feet: 0 boints Surface Water Score= 0 0-9 10 ppm
10 pointsIf Depth to GW >100 feet: 0pointsGround water Score = 20Site Rank (1+2+3) = 40Total Site Ranking Score and AccParameter>19	If >1000' from >200' from pr source: 0 poin Wellhead Prote	m water sour rivate dome <i>ts</i> <i>ction Area S</i> ntrations 10-19	irce, or; stic water core= 20	boints >1000 horizontal feet: 0 boints Surface Water Score= 0 0-9

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<u>District I</u> 1625 N. French Dr. District II	, Hobbs, NM 8	8240		ew Mexic d Natural 1				Form C-141 Revised October 10, 2003					
1301 W. Grand Ave	1301 W. Grand Avenue, Artesia, NM 88210												
	1000 Rio Brazos Road, Aztec, NM 8/410						tion Division Submit Distr						
1220 S. St. Francis	Dr., Santa Fe, I	NM 87505			NM 8750				side	e of form			
		Release	Notifica	nd Cori	rective A	ction							
OPERA'					Initial Re			nal Report					
Name of Con Address: PO						t: Camille	Reynol	ds					
Midland, Te			l IIIgnway	80	505.39								
Facility Nam			2 00007		Facilit								
Central Batt Surface Own		v Mexico Si		ay Dept.		el Pipeline ral Owner	<u></u>	Lease	No.				
			LOCAT		FRELE	ASE							
Unit Letter P	Section 32	Township T19S	Range R37E	Feet from the	North/S outh Line	Feet from the	East/W	Vest Line	County:	Lea			
	L	atitude:	32°36'34.8	8"N	Longitu	1de: 10		5.63"W					
					RELEA	SE							
Type of Relea	ise				Volume o 150 bar	of Release		Volume I 85 bar	Recovered				
Source of Rel					Date and	Hour of	Date and	Hour of	······				
6" Steel Pipe	eline				Occurren 1-09-03 a	ice at 7:00 AM		Discovery 1-09-03 at 9:00 AM					
Was Immedia	te Notice (X		🗍 Not Re	quired	If YES, To Whom? Larry Johnson								
By Whom? Pat McCasla	nd (EPI)				Date and	Hour at 9:50 AM							
Was a Waterc		hed?	Yes 🛛 No		If YES, Volume Impacting the Watercourse. NA								
lf a Watercou NA	irse was In	npacted, Desc	ribe Fully.*										
Describe Cau internal/ext the NMOCD Facility.	ernal corr permitted	osion. 2,310 l and approv	cubic yards ed C&C Lai	s of crude ndfarm an	oil impa d South N	cted soil was Monument Su	s excava irface W	ited and d aste Man	isposed of agement				
January 29, 2 temporary 4" goals, i.e., T Benzene, Tol	Describe Area Affected and Cleanup Action Taken.* 6,238 sqft. 322' north to south and 20' east to west: On January 29, 2003, three soil borings were advanced and sampled. To ensure groundwater had not been impacted a temporary 4" PVC cased monitor well was installed and sampled. All soil impacted above the NMOCD remedial goals, i.e., TPH 8015m = ~100 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.												
that pursuant notifications acceptance of	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to												
ground water does not relie regulations.	, surface w	ater, human	health or the	environm	nent. In a	ddition, NMC	DCD acc	eptance of	a C-141 re	eport			
Signature:	1811	Martale	PF Ja C	Reyndo	h	OIL CONSERVATION DIVISION							
Printed Name	e: Camille	Reynolds			Appr	oved by Dist	rict Sup.	arvisor.					
E-mail Addre	ss: CJRey	nolds@PA.	ALP.com			oved by Dist	<u>iici sup</u>		ration Date				
Title: Distric	t Environ	mental Super	visor			oval Date: itions of App		ration Date					
Date:			505.393.56	11		11		Attac	hed L				
Attach A	ddition	1 Sheets If						L					

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