AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.

App Number: pGRL1011653855

1RP - 2459

CONOCOPHILLIPS COMPANY

7/25/2016

TABLE 3

Summary of Excavation Soil Sample Analytical Results

ConocoPhillips

EVGSAU #2913-006 (UL-P, Section 29, T17S, R35E, Lea County, New Mexico)

NMOCD #1RP-2459-0; EPI Ref. #150028

Sample I.D.	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (C6-C12) (mg/Kg)	TPH (C12-C28) (mg/Kg)	TPH (C28-C35) (mg/Kg)	Total TPH (C6-C35) (mg/Kg)	Chloride (mg/Kg)
BH-1	2	In Situ	14-Jan-11	0.20	200	--	--	--	--	--	--	--	--	--	28.8
BH-2	2	In Situ	14-Jan-11	0.10	160	--	--	--	--	--	--	--	--	--	66.0
BH-3	2	Excavated	14-Jan-11	0.40	360	--	--	--	--	--	--	--	--	--	--
BH-3A	3	In Situ	14-Jan-11	0.00	160	--	--	--	--	--	--	--	--	--	41.7
BH-4	2	In Situ	14-Jan-11	0.10	200	--	--	--	--	--	--	--	--	--	40.5
BH-5	2	Excavated	14-Jan-11	0.00	320	--	--	--	--	--	--	--	--	--	--
BH-5A	3	In Situ	14-Jan-11	0.00	200	--	--	--	--	--	--	--	--	--	36.3
SSW-1	1	Excavated	17-Jan-11	--	560	--	--	--	--	--	--	--	--	--	--
SSW-1A	1	In Situ	19-Jan-11	0.30	240	--	--	--	--	--	--	--	--	--	87.1
SSW-2	1	Excavated	17-Jan-11	--	480	--	--	--	--	--	--	--	--	--	--
SSW-2A	1	In Situ	19-Jan-11	0.30	200	--	--	--	--	--	--	--	--	--	40.5
SSW-3	1	Excavated	17-Jan-11	--	400	--	--	--	--	--	--	--	--	--	--
SSW-3A	1	In Situ	19-Jan-11	0.20	160	--	--	--	--	--	--	--	--	--	49.8
SSW-4	1	Excavated	17-Jan-11	--	440	--	--	--	--	--	--	--	--	--	--
SSW-4A	1	In Situ	19-Jan-11	0.40	240	--	--	--	--	--	--	--	--	--	109
SSW-5	1	Excavated	17-Jan-11	--	2,360	--	--	--	--	--	--	--	--	--	--

TABLE 3

Summary of Excavation Soil Sample Analytical Results

ConocoPhillips

EVGSAU #2913-006 (UL-P, Section 29, T17S, R35E, Lea County, New Mexico)

NMOCD #1RP-2459-0; EPI Ref. #150028

Sample I.D.	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (C6-C12) (mg/Kg)	TPH (C12-C28) (mg/Kg)	TPH (C28-C35) (mg/Kg)	Total TPH (C6-C35) (mg/Kg)	Chloride (mg/Kg)
SSW-5A	1	In Situ	19-Jan-11	0.60	240	--	--	--	--	--	--	--	--	--	52.5
NBH-1	2	In Situ	19-Jan-11	0.20	200	--	--	--	--	--	--	--	--	--	41.4
NBH-2	2	In Situ	19-Jan-11	2.50	160	--	--	--	--	--	--	--	--	--	35.8
NBH-3	2	In Situ	19-Jan-11	0.60	200	--	--	--	--	--	--	--	--	--	31.4
NSW-1	1	In Situ	19-Jan-11	0.50	160	--	--	--	--	--	--	--	--	--	104
NSW-2	1	In Situ	19-Jan-11	0.30	240	--	--	--	--	--	--	--	--	--	83.5
NSW-3	1	In Situ	19-Jan-11	0.50	200	--	--	--	--	--	--	--	--	--	20.6
NMOCD Remedial Threshold Goals				100		10				50				100	250

Bolded values are in excess of NMOCD Remediation Thresholds

Nomenclature: BH = Bottom Hole; SW- Sidewall (N = North, S = South, E = East and W = West)

J = Detected, but below Reporting Limits. Therefore, result ia an estimated concentration (CLP J-Flag)

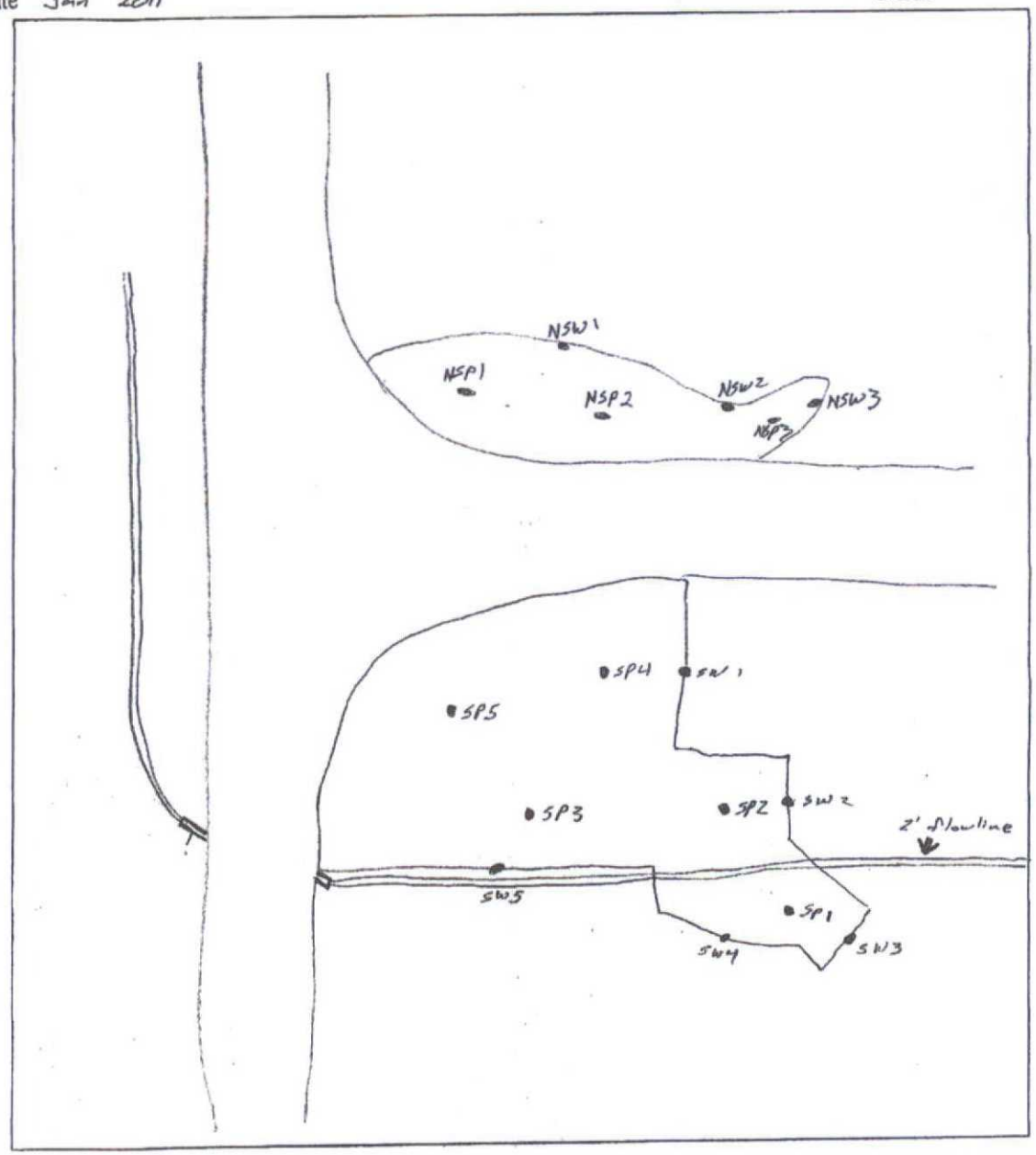
-- = Not Analyzed; ND - Not Detected; SB- Soil Boring; BG - Background Soil Boring

RECEIVED
JAN 28 2011
HOBBSOCD

Company ConocoPhillips
Lease EVGSAU 2913-006
Date Jan 2011

Latitude
Long

North



UL
Section
Township
Range

Analytical Report 404254

for

Environmental Plus, Incorporated

Project Manager: David P. Duncan

EVGSAU 2913-006

150028

21-JAN-11

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)
Xenco-Boca Raton (EPA Lab Code: FL01273):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):
Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

21-JAN-11

Project Manager: **David P. Duncan**
Environmental Plus, Incorporated
P.O. Box 1558
Eunice, NM 88231

Reference: XENCO Report No: **404254**
EVGSAU 2913-006
Project Address: UL-P, Sec. 29, T17S, R35E

David P. Duncan:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 404254. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 404254 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 404254

Environmental Plus, Incorporated, Eunice, NM

EVGSAU 2913-006

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NBH-1	S	Jan-19-11 12:35		404254-001
NBH-2	S	Jan-19-11 12:40		404254-002
NBH-3	S	Jan-19-11 12:45		404254-003
NSW-1	S	Jan-19-11 13:05		404254-004
NSW-2	S	Jan-19-11 13:10		404254-005
NSW-3	S	Jan-19-11 13:15		404254-006
SSW-1A	S	Jan-19-11 13:40		404254-007
SSW-2A	S	Jan-19-11 13:45		404254-008
SSW-3A	S	Jan-19-11 13:50		404254-009
SSW-4A	S	Jan-19-11 14:30		404254-010
SSW-5A	S	Jan-19-11 14:35		404254-011

CASE NARRATIVE

Client Name: Environmental Plus, Incorporated
Project Name: EVGSAU 2913-006

Project ID:	*150028*	*Report Date:*	*21-JAN-11*
Work Order Number:	*404254*	*Date Received:*	*01/20/2011*

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Certificate of Analysis Summary 404254

Environmental Plus, Incorporated, Eunice, NM

Project Name: EVGSAU 2913-006

Project Id: 150028
Contact: David P. Duncan
Project Location: UL-P, Sec. 29, T17S, R35E

Date Received in Lab: Thu Jan-20-11 03:40 pm
Report Date: 21-JAN-11
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	404254-001		404254-002		404254-003		404254-004		404254-005		404254-006	
	Field Id:	NBH-1		NBH-2		NBH-3		NSW-1		NSW-2		NSW-3	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-19-11 12:35		Jan-19-11 12:40		Jan-19-11 12:45		Jan-19-11 13:05		Jan-19-11 13:10		Jan-19-11 13:15	
Anions by E300	*Extracted:*												
	Analyzed:	Jan-20-11 19:12		Jan-20-11 19:12		Jan-20-11 19:12		Jan-20-11 19:12		Jan-20-11 19:12		Jan-20-11 19:12	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		41.4	4.41	35.8	4.45	31.4	4.63	104	8.83	83.5	4.54	20.6	4.42
Percent Moisture	*Extracted:*												
	Analyzed:	Jan-20-11 17:00		Jan-20-11 17:00		Jan-20-11 17:00		Jan-20-11 17:00		Jan-20-11 17:00		Jan-20-11 17:00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		4.84	1.00	5.61	1.00	9.31	1.00	4.82	1.00	7.42	1.00	4.99	1.00

Brent Barron, II
Odessa Laboratory Manager

Certificate of Analysis Summary 404254

Environmental Plus, Incorporated, Eunice, NM

Project Name: EVGSAU 2913-006

Project Id: 150028
Contact: David P. Duncan
Project Location: UL-P, Sec. 29, T17S, R35E

Date Received in Lab: Thu Jan-20-11 03:40 pm
Report Date: 21-JAN-11
Project Manager: Brent Barron, II

Analysis Requested											
	Lab Id:	404254-007		404254-008		404254-009		404254-010		404254-011	
	Field Id:	SSW-1A		SSW-2A		SSW-3A		SSW-4A		SSW-5A	
	Depth:										
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-19-11 13:40		Jan-19-11 13:45		Jan-19-11 13:50		Jan-19-11 14:30		Jan-19-11 14:35	
Anions by E300	***Extracted:***										
	Analyzed:	Jan-20-11 19:12		Jan-20-11 19:12		Jan-20-11 19:12		Jan-20-11 19:12		Jan-20-11 19:12	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		87.1	4.43	40.5	4.41	49.8	4.42	109	4.58	52.5	4.50
Percent Moisture	***Extracted:***										
	Analyzed:	Jan-20-11 17:00		Jan-20-11 17:00		Jan-20-11 17:00		Jan-20-11 17:00		Jan-20-11 17:00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		5.09	1.00	4.75	1.00	4.98	1.00	8.37	1.00	6.69	1.00

Brent Barron, II
Odessa Laboratory Manager

XENCO Laboratories

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

PQL Practical Quantitation Limit

* Outside XENCO's scope of NELAC Accreditation.

XENCO Laboratories

BS / BSD Recoveries

Project Name: EVGSAU 2913-006

Work Order #: 404254 **Project ID:** 150028

Analyst: LATCOR **Date Prepared:** 01/20/2011 **Date Analyzed:** 01/20/2011

Lab Batch ID: 840558 **Sample:** 840558-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.420	10.0	10.2	102	10	10.0	100	2	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: EVGSAU 2913-006

Work Order #: 404254
Lab Batch #: 840558
Project ID: 150028
Date Analyzed: 01/20/2011
Date Prepared: 01/20/2011
Analyst: LATCOR
QC- Sample ID: 404254-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	41.4	105	148	102	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

XENCO Laboratories

Sample Duplicate Recovery

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: EVGSAU 2913-006

Work Order #: 404254

Lab Batch #: 840558 **Project ID:** 150028

Date Analyzed: 01/20/2011 19:12 **Date Prepared:** 01/20/2011 **Analyst:** LATCOR

QC- Sample ID: 404254-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by E300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	41.4	41.4	0	20	

Lab Batch #: 840548

Date Analyzed: 01/20/2011 17:00 **Date Prepared:** 01/20/2011 **Analyst:** LATCOR

QC- Sample ID: 404066-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	1.23	1.33	8	20	

Lab Batch #: 840549

Date Analyzed: 01/20/2011 17:00 **Date Prepared:** 01/20/2011 **Analyst:** WRU

QC- Sample ID: 404254-003 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	9.31	9.34	0	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Analytical Report 404081

for

Environmental Plus, Incorporated

Project Manager: David P. Duncan

Midland Odessa Standard List of prices

150028

21-JAN-11

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)
Xenco-Boca Raton (EPA Lab Code: FL01273):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):
Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

21-JAN-11

Project Manager: **David P. Duncan**
Environmental Plus, Incorporated
P.O. Box 1558
Eunice, NM 88231

Reference: XENCO Report No: **404081**
Midland Odessa Standard List of prices
Project Address: UL-P, Sec. 29, T17S, R35E

David P. Duncan:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 404081. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 404081 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 404081

Environmental Plus, Incorporated, Eunice, NM

Midland Odessa Standard List of prices

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH-1	S	Jan-14-11 08:05	2 ft	404081-001
BH-2	S	Jan-14-11 08:10	2 ft	404081-002
BH-3A	S	Jan-14-11 14:25	3 ft	404081-003
BH-4	S	Jan-14-11 08:38	2 ft	404081-004
BH-5A	S	Jan-14-11 14:20	3 ft	404081-005

CASE NARRATIVE

Client Name: Environmental Plus, Incorporated
Project Name: Midland Odessa Standard List of prices

Project ID:	*150028*	*Report Date:*	*21-JAN-11*
Work Order Number:	*404081*	*Date Received:*	*01/19/2011*

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Certificate of Analysis Summary 404081

Environmental Plus, Incorporated, Eunice, NM

Project Name: Midland Odessa Standard List of prices

Project Id: 150028
Contact: David P. Duncan
Project Location: UL-P, Sec. 29, T17S, R35E

Date Received in Lab: Wed Jan-19-11 03:50 pm
Report Date: 21-JAN-11
Project Manager: Brent Barron, II

Analysis Requested											
	Lab Id:	404081-001		404081-002		404081-003		404081-004		404081-005	
	Field Id:	BH-1		BH-2		BH-3A		BH-4		BH-5A	
	Depth:	2 ft		2 ft		3 ft		2 ft		3 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-14-11 08:05		Jan-14-11 08:10		Jan-14-11 14:25		Jan-14-11 08:38		Jan-14-11 14:20	
Anions by E300	***Extracted:***										
	Analyzed:	Jan-20-11 09:12		Jan-20-11 09:12		Jan-20-11 09:12		Jan-20-11 09:12		Jan-20-11 09:12	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		28.8	4.43	66.0	8.61	41.7	4.57	40.5	4.43	36.3	4.47
Percent Moisture	***Extracted:***										
	Analyzed:	Jan-20-11 17:00		Jan-20-11 17:00		Jan-20-11 17:00		Jan-20-11 17:00		Jan-20-11 17:00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		5.15	1.00	2.41	1.00	8.06	1.00	5.12	1.00	6.11	1.00

Brent Barron, II
Odessa Laboratory Manager

Final 1.000

XENCO Laboratories

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

PQL Practical Quantitation Limit

* Outside XENCO's scope of NELAC Accreditation.

XENCO Laboratories

BS / BSD Recoveries

Project Name: Midland Odessa Standard List of prices

Work Order #: 404081
Analyst: LATCOR
Lab Batch ID: 840550
Sample: 840550-1-BKS
Units: mg/kg

Date Prepared: 01/20/2011
Batch #: 1

Project ID: 150028
Date Analyzed: 01/20/2011
Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.420	10.0	10.7	107	10	10.2	102	5	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Final 1.000

Form 3 - MS Recoveries

Project Name: Midland Odessa Standard List of prices

Work Order #: 404081
Lab Batch #: 840550
Project ID: 150028
Date Analyzed: 01/20/2011
Date Prepared: 01/20/2011
Analyst: LATCOR
QC- Sample ID: 404066-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	53.0	202	243	94	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Final 1.000

Sample Duplicate Recovery

Project Name: Midland Odessa Standard List of prices

Work Order #: 404081

Lab Batch #: 840550 **Project ID:** 150028

Date Analyzed: 01/20/2011 09:12 **Date Prepared:** 01/20/2011 **Analyst:** LATCOR

QC- Sample ID: 404066-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by E300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	53.0	46.9	12	20	

Lab Batch #: 840548

Date Analyzed: 01/20/2011 17:00 **Date Prepared:** 01/20/2011 **Analyst:** LATCOR

QC- Sample ID: 404066-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	1.23	1.33	8	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Environmental Plus, Inc.

P. O. Box 1558, 2100 Avenue "O", Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB: Xenco

Company Name	**Environmental Plus, Inc.**
EPI Project Manager	**David P. Duncan**
Mailing Address	**P.O. BOX 1558**
City, State, Zip	**Eunice New Mexico 88231**
EPI Phone#/Fax#	**575-394-3481 / 575-394-2601**
Client Company	**ConocoPhillips**
Facility Name	**EVGSAU 2913-006**
Location	**UL-P, Sec. 29, T17S, R35E**
Project Reference	**150028**
EPI Sampler Name	**Danny Deaton**

Remit Invoice To:

ConocoPhillips

ATTN: Mr. John Gates
HSER Lead
ConocoPhillips Company
29 Vacuum Complex Lane
Lovington, New Mexico 88260-9664

LAB I.D. 404081	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH
1	BH-1 (2')	G	1			X					X		14-Jan-11	8:05			X					
2	BH-2 (2')	G	1			X					X		14-Jan-11	8:10			X					
3	BH-3A (3')	G	1			X					X		14-Jan-11	14:25			X					
4	BH-4 (2')	G	1			X					X		14-Jan-11	8:38			X					
5	BH-5A (3')	G	1			X					X		14-Jan-11	14:20			X					
6																						
7																						
8																						
9																						
10																						

Sampler Relinquished:	1/19/2011 Time	Received By:	E-mail results to: dduncanepi@gmail.com & John.W.Gates@conocophillips.com
Relinquished by:	1/19/2011 Time 5:50	Received By: (lab staff) Lisa Murdock	
Delivered by:	Sample Cool & Intact (Yes) No 3.6°C	Checked By: LM	

XENCO Laboratories

XENCO Laboratories
Atlanta, Boca Raton, Corpus Christi, Dallas
Houston, Miami, Odessa, Philadelphia
Phoenix, San Antonio, Tampa

Document Title:	Sample Receipt Checklist
Document No.:	SYS-SRC
Revision/Date:	No. 01, 5/27/2010
Effective Date:	6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Environmental Plus

Date/Time: 1-19-11 15:50

Lab ID # : 404081

Initials: AM

Sample Receipt Checklist

1. Samples on ice?	Blue	Water	No	
2. Shipping container in good condition?	Yes	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	N/A	
4. Chain of Custody present?	Yes	No		
5. Sample instructions complete on chain of custody?	Yes	No		
6. Any missing / extra samples?	Yes	No		
7. Chain of custody signed when relinquished / received?	Yes	No		
8. Chain of custody agrees with sample label(s)?	Yes	No		
9. Container labels legible and intact?	Yes	No		
10. Sample matrix / properties agree with chain of custody?	Yes	No		
11. Samples in proper container / bottle?	Yes	No		
12. Samples properly preserved?	Yes	No	N/A	
13. Sample container intact?	Yes	No		
14. Sufficient sample amount for indicated test(s)?	Yes	No		
15. All samples received within sufficient hold time?	Yes	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	Yes	No	N/A	

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	°C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact:_____ Contacted by:_____ Date/Time:_____

Regarding: _____

_____

Corrective Action Taken: _____

_____

_____

_____

Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis

Environmental Plus, Inc.

P. O. Box 1558, 2100 Avenue "O", Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB: Xenco

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	ConocoPhillips
Facility Name	EVGSAU 2913-006
Location	UL-P, Sec. 29, T17S, R35E
Project Reference	150028
EPI Sampler Name	Danny Deaton

Remit Invoice To:

ConocoPhillips

ATTN: Mr. John Gates
HSER Lead
ConocoPhillips Company
29 Vacuum Complex Lane
Lovington, New Mexico 88260-9664

LAB I.D. 404254	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH
1	NBH-1 (2')	G	1			X					X		19-Jan-11	12:35			X					
2	NBH-2 (2')	G	1			X					X		19-Jan-11	12:40			X					
3	NBH-3 (2')	G	1			X					X		19-Jan-11	12:45			X					
4	NSW-1 (1')	G	1			X					X		19-Jan-11	13:05			X					
5	NSW-2 (1')	G	1			X					X		19-Jan-11	13:10			X					
6	NSW-3 (1')	G	1			X					X		19-Jan-11	13:15			X					
7	SSW-1A (1')	G	1			X					X		19-Jan-11	13:40			X					
8	SSW-2A (1')	G	1			X					X		19-Jan-11	13:45			X					
9	SSW-3A (1')	G	1			X					X		19-Jan-11	13:50			X					
10	SSW-4A (1')	G	1			X					X		19-Jan-11	14:30			X					

Sampler Relinquished:	1/20/2010 Time	Received By:	E-mail results to: dduncanepi@gmail.com & John.W.Gates@conocophillips.com
Relinquished by:	1/20/2010 Time 1534	Received By: (lab staff)	
Delivered by:	Sample Cool & Intact (Yes) No	Checked By:	2.1°C 4oz glass

Environmental Plus, Inc.

P. O. Box 1558, 2100 Avenue "O", Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB: Xenco

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	ConocoPhillips
Facility Name	EVGSAU 2913-006
Location	UL-P, Sec. 29, T17S, R35E
Project Reference	150028
EPI Sampler Name	Danny Deaton

Remit Invoice To:

ConocoPhillips

ATTN: Mr. John Gates
HSER Lead
ConocoPhillips Company
29 Vacuum Complex Lane
Lovington, New Mexico 88260-9664

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH			
404254																									
11	SSW-5A (1')	G	1			X					X		19-Jan-11	14:35			X								
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									

Sampler Relinquished:	1/20/2010 Time	Received By:	E-mail results to: dduncanepi@gmail.com & John.W.Gates@conocophillips.com
Relinquished by: D. Duncan	1/20/2010 Time 5:40	Received By: (lab staff) Andrea Elam	
Delivered by:	Sample Cool & Intact (Yes) No	Checked By:	2.1°C 4oz glass

XENCO Laboratories	Document Title: Sample Receipt Checklist
Atlanta, Boca Raton, Corpus Christi, Dallas	Document No.: SYS-SRC
Houston, Miami, Odessa, Philadelphia	Revision/Date: No. 01, 5/27/2010
Phoenix, San Antonio, Tampa	Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: E.P.I

Date/Time: 1 20 11 15 40

Lab ID #: 404254

Initials: AE

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	(N/A)	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	Yes	(No)		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	(N/A)	
17. VOC sample have zero head space?	Yes	No	(N/A)	

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	2.1 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact:_____ Contacted by:_____ Date/Time:_____

Regarding: _____

_____

Corrective Action Taken: _____

_____

_____

_____

Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis