

### 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

JAN 28 2011 HOBBSOCD

### 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
ВН-2	2	In Situ	14-Jan-11	0.10	160	**	* *		**	**	**	**		**	66.0
ВН-3	2	Excavated	14-Jan-11	0.40	360										-
ВН-ЗА	3	In Situ	14-Jan-11	0.00	160										41.7
ВН-4	2	In Situ	14-Jan-11	0.10	200										40.5
вн-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				4-1		-		L		
SSW-1A	1	In Situ	19-Jan-11	0.30	240	7									87.1
SSW-2	1	Excavated	17-Jan-11		480		-			**	一个				
SSW-2A	1	In Situ	19-Jan-11	0.30	200										40.5
SSW-3	1	Excavated	17-Jan-11	**	400							1			
SSW-3A	1	In Situ	19-Jan-11	0.20	160					1					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				7- 3						42.0



JAN 28 2011 HOBBSOCD

### 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
NN	AOCD Rem	edial Threshold	i 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)

<sup>-- =</sup> Not Analyzed; ND - Not Detected; SB- Soil Boring; BG - Background Soil Boring

### RECEIVED

JAN 28 2011

Company Conscopedities
Lease RV65AM 2913-006
Long

North

North

NSP1

NSP2

NSP2

NSP3

SSP4

S

0 Sp1

UL Section Township Range

### **Analytical Report 404254**

for

**Environmental Plus, Incorporated** 

RECEIVED

JAN 28 2011 HOBBSOCD

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

TO TO

Odessa Laboratory Manager

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### Sample Cross Reference 404254



### **Environmental Plus, Incorporated, Eunice, NM** EVGSAU 2913-006

Matrix	<b>Date Collected</b>	Sample Depth	Lab Sample Id
S	Jan-19-11 12:35		404254-001
S	Jan-19-11 12:40		404254-002
S	Jan-19-11 12:45		404254-003
S	Jan-19-11 13:05		404254-004
S	Jan-19-11 13:10		404254-005
S	Jan-19-11 13:15		404254-006
S	Jan-19-11 13:40		404254-007
S	Jan-19-11 13:45		404254-008
S	Jan-19-11 13:50		404254-009
S	Jan-19-11 14:30		404254-010
S	Jan-19-11 14:35		404254-011
	S S S S S S S	S Jan-19-11 12:35 S Jan-19-11 12:40 S Jan-19-11 12:45 S Jan-19-11 13:05 S Jan-19-11 13:10 S Jan-19-11 13:15 S Jan-19-11 13:40 S Jan-19-11 13:45 S Jan-19-11 13:50 S Jan-19-11 13:50	S Jan-19-11 12:35 S Jan-19-11 12:40 S Jan-19-11 12:45 S Jan-19-11 13:05 S Jan-19-11 13:10 S Jan-19-11 13:15 S Jan-19-11 13:40 S Jan-19-11 13:45 S Jan-19-11 13:50 S Jan-19-11 14:30



### CASE NARRATIVE

Client Name: Environmental Plus, Incorporated

Project Name: EVGSAU 2913-006



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

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None



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

Project Id: 150028

### Certificate of Analysis Summary 404254 Environmental Plus, Incorporated, Eunice, NM

Project Name: EVGSAU 2913-006

Date Received in Lab: Thu Jan-20-11 03:40 pm

Report Date: 21-JAN-11



					a roject manager, Dient Danien, in	DIOTE DATE OF	
	Lab Id:	404254-001	404254-002	404254-003	404254-004	404254-005	404254-006
Amelianic Donneschool	Field Id:	NBH-1	NBH-2	NBH-3	NSW-1	NSW-2	NSW-3
maisan kadanaya	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

Odessa Laboratory Manager Brefit Barron, II

Page 5 of 13

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

Project Id: 150028

# Certificate of Analysis Summary 404254

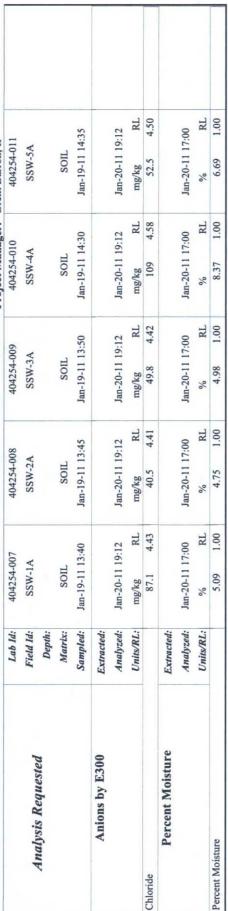
Environmental Plus, Incorporated, Eunice, NM

Project Name: EVGSAU 2913-006

Date Received in Lab: Thu Jan-20-11 03:40 pm

Report Date: 21-JAN-11

Brent Barron, II Project Manager:



Odessa Laboratory Manager Brent Barron, II

Final 1.000

Page 6 of 13

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### **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.

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9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



### BS / BSD Recoveries



Project Name: EVGSAU 2913-006

Work Order #: 404254

Analyst: LATCOR

Sample: 840558-1-BKS Lab Batch ID: 840558

Date Prepared: 01/20/2011

Batch #: 1

**Project ID:** 150028 **Date Analyzed:** 01/20/2011

Matrix: Solid

Units: mg/kg		BLANI	BLANK/BLANK S	SPIKE / B	BLANK S	PIKE DUPL	UPLICATE I	RECOVE	RY STUD	Y	
Anions by E300	Blank Sample Result [A]	Spike	Blank Spike Result	Blank Spike %R	Spike	Blank Spike Duplicate	BIK. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[c]	[Q]	[3]	Result [F]	[6]				
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	MATI	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300  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



### **Sample Duplicate Recovery**



Project Name: EVGSAU 2913-006

Work Order #: 404254

Lab Batch #: 840558

QC- Sample ID: 404254-001 D

Date Analyzed: 01/20/2011 19:12

Project ID: 150028

Date Prepared: 01/20/2011 Analyst: LATCOR

Batch #: 1

Matrix: Soil

Anions by E300  Analyte	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: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte	[-7	[B]			
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: %	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Percent Moisture	9.31	9.34	0	20	

### **Analytical Report 404081**

for Environmental Plus, Incorporated RECEIVED

JAN 28 2011 HOBBSOCD

Project Manager: David P. Duncan

Midland Odessa Standard List of prices

150028

21-JAN-11



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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)

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Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

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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

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.

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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

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### Sample Cross Reference 404081



### Environmental Plus, Incorporated, Eunice, NM

Midland Odessa Standard List of prices

Sample Id	Matrix	<b>Date Collected</b>	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 Work Order Number: 404081 Report Date: 21-JAN-11 Date Received: 01/19/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None



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

Project Id: 150028

# Certificate of Analysis Summary 404081

Environmental Plus, Incorporated, Eunice, NM

Project Name: Midland Odessa Standard List of prices

Date Received in Lab: Wed Jan-19-11 03:50 pm

Report Date: 21-JAN-11



					Tiples Managel: Dient Dailoit, M.	MAIN DAILOIS, AL	
	Lab Id:	404081-001	404081-002	404081-003	404081-004	404081-005	
Analysis Donnocto	Field Id:	BH-1	BH-2	BH-3A	BH-4	BH-5A	
market wednesden	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	19.8 0.99	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	

Odessa Laboratory Manager Brent Barron, II

Page 5 of 11

Final 1.000

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best indegment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data bretely presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.



### **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
- **POL** Practical Quantitation Limit
- \* Outside XENCO's scope of NELAC Accreditation.

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9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



### BS / BSD Recoveries



Project Name: Midland Odessa Standard List of prices

Work Order #: 404081

Analyst: LATCOR

Sample: 840550-1-BKS Lab Batch ID: 840550

Date Prepared: 01/20/2011

Batch #: 1

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

		DI ANI	OI ANY IDI ANY	DILLE / D	IANIVE	DIVE DITE	ICATE	anooad	DV CTITE	>	
Units: mg/kg		DECAIN	A / DEWIND	LINE / D	LAND	LINE DOLL	CAIL	KECOVE	NI SIOD		
Anions by E300	Blank Sample Result	Spike	Blank Spike Posuit	Blank Spike	Spilke	Blank Spike	Blk. Spk Dup.	RPD %	Control Limits	Control Limits	Flag
Analytes	€	[B]	[C]	[Q]	[E]	Result [F]	[6]		No/	T Nev	
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



### Form 3 - MS Recoveries





Work Order #: 404081

Lab Batch #: 840550

QC- Sample ID: 404066-001 S

Date Analyzed: 01/20/2011

Project ID: 150028

Date Prepared: 01/20/2011

Analyst: LATCOR

Batch #:

Matrix: Soil

Reporting Units: mg/kg	MATI	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes	[A]	[B]				
Chloride	53.0	202	243	94	75-125	

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

**BRL** - Below Reporting Limit



### Sample Duplicate Recovery



Project Name: Midland Odessa Standard List of prices

Work Order #: 404081

Lab Batch #: 840550

Date Prepared: 01/20/2011 Date Analyzed: 01/20/2011 09:12

Project ID: 150028

Analyst: LATCOR

QC- Sample ID: 404066-001 D Batch #: 1

**Percent Moisture** 

Analyte

Matrix: Soil

eporting Units: mg/kg	SAMPLE / SAMPLE DUPLICATE RECOVERY
-----------------------	------------------------------------

Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte		[6]			
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

1.23

Matrix: Soil

			200
Per	porting	I mite.	0/0
N.C	por ung	CHILLS.	/ 4

Percent Moisture

SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag

1.33

Chain of Custody Form

Xenco

## Environmental Plus, Inc.

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

1040-460 (010)	1 AA. (3)	LAA. (3/3) 334-2001		- 1			1								ļ	١	ŀ		ı			ŀ		
Company Name	Ф	Environmental Plus,	tal Plus	s, Inc.	.:		Н				Rem	it	Remit Invoice To:				A	ANALYSIS REQUEST	SIS	RE	S	ST		
EPI Project Manager	nager	David P. Duncan	ıcan				-		L							r	H	H	H	H	L			
Mailing Address	S	P.O. BOX 1558	58						•	į	(	{	Conceptilling			_	_	_		_	-			-
City, State, Zip		Eunice New Mexico 88231	Mexico	882	31				,	5	Ž	3	5					_	_		_			
EPI Phone#/Fax#	种	575-394-3481 / 575-394-2601	1575-	394-	2601		Т										_	_	_					_
Client Company	\ \ \	ConocoPhillips	S							A	Ż	N	ATTN: Mr. John Gates				_	_			_			_
Facility Name		EVGSAU 2913-006	3-006								Ι	SER	HSER Lead				_	_	_					
Location		UL-P, Sec. 29, T17S, R35E	9, T17S	, R3	SE.					Co	1000	Philli	ConocoPhillips Company				_	_	_		_			
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Sampler Relinquished:		11.	1/19/2011	Rece	Received By						<u> </u>	ohn.V	E-mail results to: dduncanepl@gmall.com & John.W.Gates@conocophillips.com	anepl@gi phillips.cc	mall.o	e mo	L							П
Rolloniicharthu			******	Dave	Deceived By	" (loh etaff)	(Het)				T													
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### 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

### Prelogin / Nonconformance Report - Sample Log-In

Client Environmental Plus						
Date/Time:  - 9-    5:50	^ +					
Lab ID#: 404081						
Initials: XY						
Sample	Receipt	Checki	ist			
1. Samples on ice?			Blue	Water	No	
2. Shipping container in good condition?			Yes	No	None	
3. Custody seals intact on shipping container (cooler) as	nd 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	1?		Yes	No		
8. Chain of custody agrees with sample label(s)?			Yes	No		
9. Container labels legible and intact?			Yes	No		0.61
10. Sample matrix / properties agree with chain of custo	dy?		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	Ibs	
Nonconfor			ntation	Date/Time:_		
Regarding:						
Corrective Action Taken:						
Check all that apply:   Cooling process has begun sh condition acceptable by				ut of temper	rature	٠

☐ Client understands and would like to proceed with analysis

□ Initial and Backup Temperature confirm out of temperature conditions

Chain of Custody Form

LAB: Xenco

## Environmental Plus, Inc.

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

# 575-394-3481 / 575-39  Eunice New Mexico 8  Eunice New Mexico 8  Eunice New Mexico 8  Eunice New Mexico 8  575-394-3481 / 575-39  ConocoPhillips  EVGSAU 2913-006  UL-P, Sec. 29, T17S, IS  NBH-2 (2')  NSW-2 (1')  NSW-2 (1')  SSW-2A (1')  SSW-3A (1')  SSW-4A (1')	1010,000,000	1000	10.		1		-			10	1		1		ŀ	l	4	2	010	STA	N I I	F	l
Pavid P. Duncan   Pavid P. D	Company Name		mental Plus,	nc.						Ž	em l	Š	oice io:				A P	ALY	200	7		0	
F.O. BOX 1558	<b>EPI Project Man</b>		Duncan				_	-										_	_	_			
SAMPLE I.D.   CONTROL	Mailing Address		X 1558						Ç	5	5	9	Hilling		_			_	_				
ATTN: Mr. John Gates   ATTN: Mr. John Gates	City, State, Zip		Vew Mexico	882	=				ֹ	5	3	5	5						_				
FORSE Lead	EPI Phone#/Fax		3481 / 575-3	94-2	601													_		_		- September 1	
SAMPLE I.D.   Concoording Company   150028	Client Company		hillips							ATI	Z	Ir. Je	ohn Gates				_	_	-	~~			
UL-P, Sec. 29, T175, R35E	Facility Name		J 2913-006				_				H	ER	Lead										
150028	Location	UL-P, Se	ac. 29, T17S,	R35	ш				U	Sono	COP	dillir	s Company					_					
SAMPLE I.D.   ROBERTON, New Mexico 88260-9664   SAMPLE I.D.   ROBERTON, SOUTH   ROBERTON	Project Referent								2	9 Va	cuun	n Co	implex Lane		_				-	_			_
SAMPLE I.D.   RESERV.   SAMPLING   SAMPLING   SAMPLING   SAMPLE I.D.   RESERV.   SAMPLING   SAMPLI	EPI Sampler Nai		Peaton					Ľ	puivo	Iton,	New	v Me	xico 88260-96	64				-	_				
SAMPLE I.D. (CONF   NBH-1 (2)				-	-		MA	RIX		-	RESE	ERV.	SAMPLI	NG	_					_			
NBH-1 (2')   See   Fig.   See   Se	LABID	SAMPLE	ď	_		_		٦		3					81	V		(°0s) s		<			
NBH-1(2')   10							_	DE OI			_				X 802	80156		ESTA1	d	-			
NBH-1(2)   G   1	H24754				-	_	_	ดหว	_			_	DATE	TIME	3T8	HqT		_	_	_			
2 NBH-2 (2)		NBH-1 (2')		Ø	-	-	×			-	×		19-Jan-11	12:35			×		H	Н			
NSW-2 (1)   G   1	2			ပ	-	H	×			H	×		19-Jan-11	12:40			×	H	H				
NSW-2 (1')   G 1	3			ပ	-	H	×				×		19-Jan-11	12:45	L	7	×	H	Н	Ц			
SSW-2 (1')   G   1	4			ပ	-	H	×		H	H	×		19~Jan-11	13:05	Ц		×	Н	Н	Ц	Ц		
6 NSW-3 (1') 8 SSW-1A (1') 8 SSW-2A (1') 9 SSW-3A (1') 10 SSW-4A (1') 11/20/2010 11/20/2	ıs	NSW-2 (1')		ŋ	-	H	×			H	×		19~Jan-11	13:10	Ц		×	Н	Н				
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10 SSW-4A (1")    G   1     X     19-Jan-11   14:30	6	SSW-3A (1')		-	-	-	×		-	-	×		19-Jan-11	13:50	L		×	H	$\vdash$	H			
Time 1/20/2010 Received By:  Time 1/20/2010 Received By: (lab staff)	01	SSW-4A (1')		ပ	=	Н	×		H	Н	×		19-Jan-11	14:30	Ц		×	Н	Н	Ц	Ц		
1/20/2010 Received By: (ab staff)  1/20/2010 Received By: (ab staff)  1/20/2010 Received By: (ab staff)  1/20/2010 Received By: (by 1/20/2010 Sample Cool & Intact Checked By: (becked By:				1			1								ı								
Time 1/20/2010 Received By: (lab staff) Time 5 4 1 CUIN ULL EUL 11 Checked By: Sample Cool & Intact Tyes 5 No	Sampler Relinquished:	,1		Receiv	ed By						- P	nall r	esults to: ddunc	anepl@g phillips.c	mall.	MOS	ජේ						
1/20/2010 Received By: (lab staff)  Time 5 4.	r																						
Sample Cool & Intact (Yes) No Checked By:	7	× ×	1/20/2010	Receiv	S By	(lab s	E 5	111															
7.1.2			Sample	1 8	Intact			Che	oked B	1													
			Yes	^	Š							1.2	. 1	cylas	1								

### **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	. In	c.	_				-		Rer	nit	Invo	oice To:	-			A	VAL	YS	SR	EQ	UES	ST	
EPI Project Mana		,,					D. STRANDARD																	
Mailing Address								0	٠_			٦D	hillips											
City, State, Zip	Eunice New Mexico	88	231					_	.O	IIC	)L	H	umba											
EPI Phone#/Fax#	575-394-3481 / 575-	394-	260	1																				
Client Company	ConocoPhillips								A.	TTN	1: M	r. Jo	ohn Gates										1	
Facility Name	EVGSAU 2913-006												ead											
Location	UL-P, Sec. 29, T175	, R3	SE						Co	noc	oPh	illip	s Company											
Project Reference	e 150028												mplex Lane										1	
<b>EPI Sampler Nan</b>	ne Danny Deaton								igto				xico 88260-96											
						MA	TRIX			PR	ESE	RV.	SAMPLI	NG										
LAB I.D. 404254	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	отнея	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO4")	рН	TCLP	OTHER >>>	РАН		
	SSW-5A (1')	G	1			X					Х		19-Jan-11	14:35			X		M.					
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20																								
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Literated by.	Samp			act lo			0.110		J,.			7.	10 40	i gla	55									



### 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: E, P, \					
Date/Time: \ 70 1\  5 40					
Lab ID#: 404254					
Initials:					
Sample Receipt Ch	ecki	ist			
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	CAVA	
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 Z,\°C lbs °C lbs	°C	Ibs	°c	lbs	°C
Nonconformance Docu	ımer		Date/Time:_		
Regarding:					
Corrective Action Taken:					
Check all that apply:   Cooling process has begun shortly after same condition acceptable by NELAC 5.5.8.3.  Initial and Backup Temperature confirm out o	1.a.1. f tem	perature cor		rature	٠,