MARTIN YATES, III

FRANK W. YATES

S.P. YATES 1914-2008



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JOHN D. PERINI CHIEF FINANCIAL OFFICER

ES B. CHROWN

JOHN A. YATES

ASSISTAN

ES IR

THE PRESIDENT

January 4, 2009

Mr. Leonard Lowe NMOCD 1220 St. Francis Drive Santa Fe, New Mexico 87505

Re: Penasco Compressor Station GW-125 Eddy County, New Mexico Supplemental Work Plan

Mr. Lowe,

Agave Energy Company and Yates Petroleum Corporation are submitting this information to update you as to the status of the below-grade tank/sump removal at the Penasco Compressor Station.

Agave Energy Company is the operator of the Penasco Compressor Station and Yates Petroleum Corporation is the owner. Agave has been the operator since 1997. Agave personnel did not install any of the below-grade sumps referenced in this project.

Agave acknowledges that there were five below-grade containers acting as sumps at the Penasco Compressor Station. By sump, Agave means a collection device incorporated within a secondary containment system, which remains predominantly empty and serves as a receptacle for de minimis releases on an intermittent basis and is not used to store, treat, dispose of or evaporate products or wastes. However, these devices were over 500 gallons.

Approximately three years ago, Agave inquired with OCD as to the feasibility of removing those tanks. OCD personnel told us that we would have to submit a modification to the discharge permit in order to remove the sumps. During an inspection of the facility in April 2009, the inspector informed Agave that OCD's policy had changed and that the discharge plan would not have to be modified in order to proceed with removing the sumps.

During the April 2009 inspection, OCD advised Agave personnel to remove the below-grade sumps. In November 2009, Agave personnel proceeded with a major remediation project to remove all five below grade sumps and the removal of the south tank battery due to potential concerns regarding the secondary containment. Rather than rebuilding the containment, Agave decided to remove the tank battery and to re-route the liquids to the northeast tank battery all ready on site. The northern tank battery has adequate concrete secondary containment. Leonard Lowe Penasco Compressor Station GW-125 Supplemental Work Plan January 6, 2010 Page 2 of 3

In its Work Plan, submitted in November, 2009, Agave committed to excavating to five feet below the sumps and equipment. If soil levels for chlorides, BTEX and TPH could not be met after further excavation, Agave agreed to contact the OCD. Agave has excavated below the former equipment and has even excavated an additional 3 to 5 feet. The excavations resulted in the results below. (For convenience, Agave has identified the below-grade sumps with the Unit numbers that they served. The fifth sump is included in the removal of the south tank battery.)

BGT 005 and BGT 025 were removed first. The soil sample results were as follows (all units in ppm):

Unit	RRAL	Unit	025	Unit	005
		Sample 1	Sample 2	Sample 1	Sample 2
Chlorides	50	33.3	12.4	15.5	20.4
BTEX	10	ND	· ND	ND	ND
TPH	100	ND	· ND	ND	ND

As can be seen from the above samples, the soil meets the RRALs for the appropriate constituents. These sample results were conveyed to you via email on November 12 and again on November 18. With no objections presented to Agave, these pits were backfilled. (Agave was uncomfortable having large holes on-site with the long holiday weekend forthcoming.)

Agave proceeded removing BGT 002 and BGT 023. The final results are summarized below:

Unit	RRAL	Unit	002		Unit 023	
	,	Sample 1	Sample 2	Sample 1	Sample 2	Sample 3
Chlorides	50	76.8	103	BRL	22.4	11.2
BTEX	10	0.008	BRL	23.35	0.0184	9.891
ТРН	100	194	21	1482	51.2	2233

The samples indicate that chlorides and TPH may be above the recommended levels in certain areas at Unit 002 and BTEX and TPH may be above the recommended levels in certain areas at Unit 023.

The tanks and piping were also removed from the south tank battery. Samples were taken at 1 foot and 4 foot depths. The composite samples represented one of four quadrants from the resulting area.

Unit	RRAL	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8
Chlorides	50	119	97.3	103	103	118	53.4	87.3	85.5
BTEX	10	1.41	5.84	0.10	0.46	5.59	5.11	0.62	2.14
TPH	100	605	881	791	771	762	593	701	405

Leonard Lowe Penasco Compressor Station GW-125 Supplemental Work Plan January 6, 2010 Page 3 of 3

Agave has excavated these areas twice in an attempt to ensure that the soil meets the RRALs. However, Agave cannot continue to enlarge these excavations for several reasons.

- The location of the excavations is potentially compromising existing equipment, especially the former BGT 023 location. There is a meter housing on one side of the excavation and ambitrol and lube oil storage tanks on the other.
- Any further downward excavation of any of the three would subject the excavation to confined space entry requirements. (Due to their locations, they cannot reasonably be widened at this time.) This will make forthcoming work more difficult if not impossible to complete.
- The excavations for Unit 002 and the former tank battery are at the edge of our lease. We cannot evacuate soil off of our lease without permission.

In light of the above, Agave does not believe that further excavation is possible. Hence, Agave proposes to backfill the excavations. We acknowledge that there may potentially be contamination on site. Agave proposes to continue excavation and removal, if necessary, when the facility under goes final closure. At that time, all of the surface equipment will be removed and any necessary further remedial activity can proceed.

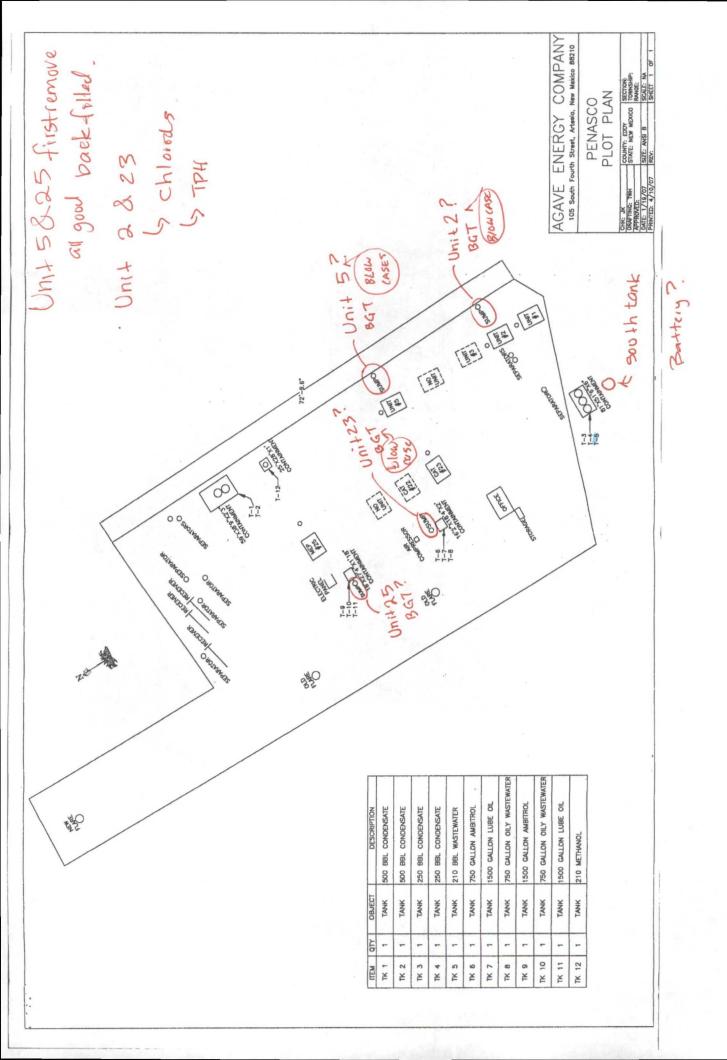
Agave has removed the potential sources of the contamination and, hence, the nature and extent of any contamination has been contained. The sumps were replaced with above ground blowcases. The south tank battery was removed and all liquids re-routed to the north tank battery.

Agave has made a good faith effort to remediate impacts at Units 002 and 023 as well as the former tank battery. In this vein, Agave has spent over \$200,000 and a large number of man hours on this project to date and additional work must be completed (i.e., backfill and surface leveling still need to occur).

As the open excavations present a potential unnecessary safety hazard, despite steps we have taken to ensure the safety of our workers, we request that the OCD respond within 10 business days of receipt of this letter. Please contact me at your earliest convenience to discuss this revised closure plan.

Sincerely, Jennife Knnultm

Jennifer Knowlton Environmental Engineer

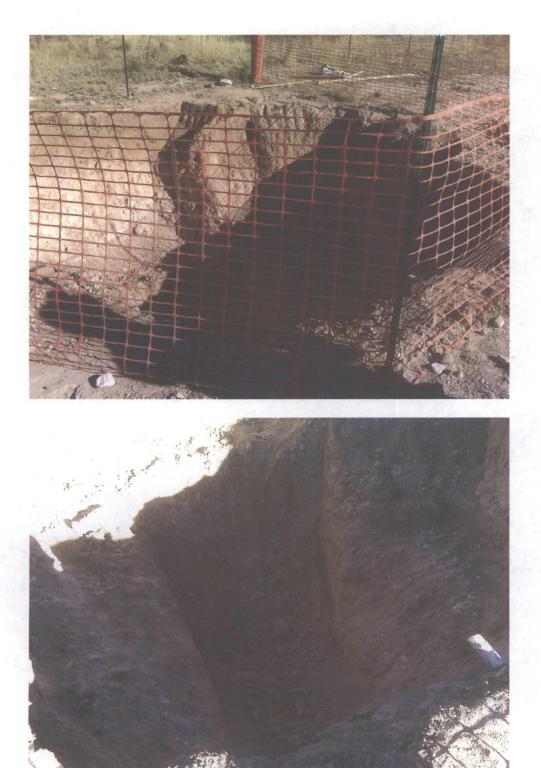


Penasco Compressor Station December 30, 2009 Unit 005 Unit 025



Unit 025

Penasco Compressor Station December 30, 2009 Unit 005 Unit 025



Unit 005

Analytical Report 351048

for

Agave Energy

Project Manager: Jennifer Knowlton

Penasco Compressor Station

11-NOV-09





12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-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 (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87428), 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 (T104704400-08-TX)
> Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)
> Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)
> Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917)



11-NOV-09



Project Manager: Jennifer Knowlton Agave Energy 105 S. Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 351048 Penasco Compressor Station Project Address: Eddy County

Jennifer Knowlton:

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 351048. 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. 351048 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

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Sample Cross Reference 351048



Agave Energy, Artesia, NM

Penasco Compressor Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Nov-02-09 11:04	6 - 6 ft	351048-001
GS/Comp-002	S	Nov-02-09 11:28	7 - 7 ft	351048-002
GS/Comp-003	S	Nov-02-09 12:02	7 - 7 ft	351048-003
GS/Comp-004	S	Nov-02-09 12:02	8 - 8 ft	351048-004

CASE NARRATIVE



Client Name: Agave Energy Project Name: Penasco Compressor Station

Project ID: Work Order Number: 351048 Report Date: 11-NOV-09 Date Received: 11/05/2009

Sample receipt non conformances and Comments: None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-780678 Percent Moisture None

Batch: LBA-780716 Anions in Soil By EPA 300.0 None

Batch: LBA-781088 TPH by SW 8015B None

Batch: LBA-781159 BTEX by EPA 8021 SW8021BM

Batch 781159, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Samples affected are: 351048-002, -003, -001, -004. The Laboratory Control Sample for Toluene, m,p-Xylenes, Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits

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	5

Certificate of Analysis Summary 351048 Agave Energy, Artesia, NM Project Name: Penasco Compressor Station



Project Id: Contact: Jennifer Knowlton Project Location: Eddy County

Date Received in Lab: Thu Nov-05-09 09:45 am Report Date: 11-NOV-09

I DECI FOCALOII. FULLY COUNTY						
					ser:	
	Lab Id:	351048-001	351048-002	351048-003	351048-004	
Analysis Ronnestad	Field Id:	GS/Comp-001	GS/Comp-002	GS/Comp-003	GS/Comp-004	
noiconhou ciclimite	Depth:	6-6 A	7-7 ft	7-7 ft	8-8 ft	
	Matrix:	SOIL	SOIL	SOIL	TIOS	
i	Sampled:	Nov-02-09 11:04	Nov-02-09 11:28	Nov-02-09 12:02	Nov-02-09 12:02	
Anions in Soil By EPA 300.0	Extracted:					
	Analyzed:	Nov-06-09 17:24	Nov-06-09 17:24	Nov-06-09 17:24	Nov-06-09 17:24	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		33.3 4.20	12.4 4.20	15.5 4.20	20.4 4.20	
BTEX by EPA 8021	Extracted:	Nov-10-09 15:30	Nov-10-09 15:30	Nov-10-09 15:30	Nov-10-09 15:30	
	Analyzed:	Nov-10-09 17:30	Nov-10-09 17:51	Nov-10-09 18:12	Nov-10-09 18:34	
- - -	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		ND 0.0011	1100.0 UN	1100'0 GN	ND 0.0011	
Toluene		ND 0.0022	ND 0.0021	ND 0.0021	ND 0.0023	
Ethylbenzene		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011	
m,p-Xylenes		ND 0.0022	ND 0.0021	ND 0.0021	ND 0.0023	
o-Xylene	,	ND 0.0011	1100.0 UN	1100.0 GN	ND 0.0011	
Xylenes, Total		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011	
Total BTEX		ND 0.0011	ND 0.0011	ND 0.0011	ND 0.0011	
Percent Moisture	Extracted:					
	Analyzed:	Nov-05-09 17:00	Nov-05-09 17:00	Nov-05-09 17:00	Nov-05-09 17:00	
	Units/RL:	% RL	% RL	% RL	% RL	
Percent Moisture		9.66 1.00	6.68 1.00	6.03 1.00	12.0 1.00	
TPH by SW 8015B	Extracted:	Nov-09-09 12:00	Nov-09-09 12:00	Nov-09-09 12:00	Nov-09-09 12:00	
	Analyzed:	Nov-10-09 02:28	Nov-10-09 02:55	Nov-10-09 03:21	Nov-10-09 03:47	N
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C10 Gasoline Range Hydrocarbons		ND 16.6	1.91 UN	ND 16.0	ND 17.0	
C10-C28 Diesel Range Hydrocarbons		ND 16.6	ND 16.1	ND 16.0	ND 17.0	
Total TPH 8015B		ND 16.6	1.91 GN	0.91 DN.	0.71 UN	

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 judgment of XENCO Laboratories. XENCO Laboratorics assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Version: 1.008

Final Ver. 1.001

Odessa Laboratory Manager

Brefft Barron, II

Page 5 of 17





- 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
- * Outside XENCO's scope of NELAC Accreditation.

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361) 884-0371	(361) 884-9116

Final Ver. 1.001



Project Name: Penasco Compressor Station

'ork Orders : 351048 Lab Batch #: 781159	3, Sample: 542848-1-BKS / B	KS Batcl	Project II			
· · ·	•		RROGATE R		STUDY	
Units: mg/kg BTE	Date Analyzed: 11/10/09 16:06	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flage
	Analytes			[D]		
1,4-Difluorobenzene	· · · · · · · · · · · · · · · · · · ·	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	<u></u>	0.0295	0.0300	98	80-120	
Lab Batch #: 781159	Sample: 542848-1-BSD / B	SD Batch	h: 1 Matrix	:Solid		
Units: mg/kg	Date Analyzed: 11/10/09 16:27	SUI	RROGATE R	ECOVERY	STUDY	
BTE	CX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flage
1,4-Difluorobenzene		0.0300	0.0300	100	80-120	
4-Bromofluorobenzene		0.0303	0.0300	101	80-120	
Lab Batch #: 781159	Sample: 542848-1-BLK / B	LK Batch	n: 1 Matrix	• Solid	<u> </u>	
Units: mg/kg	Date Analyzed: 11/10/09 17:09		RROGATE R		STUDY	
BTE	CX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1,4-Difluorobenzene	······	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene		0.0292	0.0300	97	80-120	
Lab Batch #: 781159	Sample: 351048-001 / SMP	Batcł	n: 1 Matrix	:Soil	ا ستوسی ا	
Units: mg/kg	Date Analyzed: 11/10/09 17:30	SUI	RROGATE RI	ECOVERYS	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0272	0.0300	91	80-120	
4-Bromofluorobenzene		0.0300	0.0300	100	80-120	
Lab Batch #: 781159	Sample: 351048-002 / SMP	Batch	n: 1 Matrix	: Soil	<u> </u>	
Units: mg/kg	Date Analyzed: 11/10/09 17:51	SUI	RROGATE RI	ECOVERY S	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1.4-Difluorobenzene		0.0269	0.0300	90	80-120	
r, . Dimano o contente		0.0207	0.0300		00-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Project Name: Penasco Compressor Station

i

Vork Orders : 351048		D. (Project II			
Lab Batch #: 781159	Sample: 351048-003 / SMP	Batel	ch: 1 Matrix: JRROGATE RE		STUDY	
Units: mg/kg BTE	Date Analyzed: 11/10/09 18:12 EX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]	[]	l
1,4-Difluorobenzene		0.0271	0.0300	90	80-120	í
4-Bromofluorobenzene		0.0307	0.0300	102	80-120	
Lab Batch #: 781159	Sample: 351048-004 / SMP	Batcl	ch: 1 Matrix:	. Soil		
Units: mg/kg	Date Analyzed: 11/10/09 18:34	SU	JRROGATE RE	ECOVERY	STUDY	
r	EX by EPA 8021 Analytes	Amounț Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0273	0.0300	91	80-120	t
4-Bromofluorobenzene		0.0273	0.0300	106	80-120	ſ
Lab Batch #: 781159	Sample: 351048-001 S / MS	Batcl				
Units: mg/kg	Date Analyzed: 11/11/09 00:34		URROGATE RE		STUDY	
BTE	EX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
l	Analytes			[D]	_	(
1,4-Difluorobenzene	·	0.0290	0.0300	97	80-120	I
4-Bromofluorobenzene		0.0322	0.0300	107	80-120	
Lab Batch #: 781159	Sample: 351048-001 SD / MS	SD Batch	:h: ¹ Matrix:	:Soil		
Units: mg/kg	Date Analyzed: 11/11/09 00:55	SU	RROGATE RE	ECOVERY S	STUDY	
ВТЕ	EX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes	- 2202				I
1,4-Difluorobenzene		0.0292	0.0300	97	80-120	i
	540700 1 DVC / DV	0.0330	0.0300	110	80-120	
Lab Batch #: 781088	Sample: 542708-1-BKS / BK				OTTINU	<u> </u>
Units: mg/kg	Date Analyzed: 11/10/09 01:11		RROGATE RE	SCOVER 1 C	<u></u>	<u> </u>
TPH	H by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		109	100	109	70-135	(
o-Terphenyl		51.0	50.0	102	70-135	i

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / BAll results are based on MDL and validated for QC purposes.

ı.



Project Name: Penasco Compressor Station

Work Orders : 351048			Project II			
Lab Batch #: 781088 Units: mg/kg	Sample: 542708-1-BSD / BS Date Analyzed: 11/10/09 01:37		ch: 1 Matrix		STUDY	
	H by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes		100			
1-Chlorooctane		52.0	100 50.0	112	70-135	
					70-155	
Lab Batch #: 781088	Sample: 542708-1-BLK / BL		h: 1 Matrix: RROGATE RI		erunv	
Units: mg/kg	Date Analyzed: 11/10/09 02:03				1	,
TPH	H by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		87.8	100	88	70-135	
o-Terphenyl		54.2	50.0	108	70-135	
Lab Batch #: 781088	Sample: 351048-001 / SMP	Batcl	h: 1 Matrix:	:Soil	<u>.</u>	· · · · · · · · · · · · · · · · · · ·
Units: mg/kg	Date Analyzed: 11/10/09 02:28	SU	RROGATE RE	ECOVERY	STUDY	<u> </u>
ТРН	H by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	Analytts	91.0	100	91	70-135	├───
o-Terphenyl		57.9	50.0	116	70-135	
Lab Batch #: 781088	Sample: 351048-002 / SMP	Batch	h; ¹ Matrix:	:Soil	L	
Units: mg/kg	Date Analyzed: 11/10/09 02:55		RROGATE RE	ECOVERY	STUDY	
	H by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1 Oblamatano	Analytes	07.7	100		70.125	<u> </u>
1-Chlorooctane o-Tcrphenyl	·		<u> </u>	88	70-135	
Lab Batch #: 781088	Sample: 351048-003 / SMP	Batch			/0-155	<u> </u>
	Date Analyzed: 11/10/09 03:21		RROGATE RE		STUDY	
Units: mg/kg					, <u> </u>	·
ТРН	H by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		88.4	100	88	70-135	
o-Terphenyl		55.2	50.0	110	· 70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Project Name: Penasco Compressor Station

/ork Orders : 351048, Lab Batch #: 781088	, Sample: 351048-004 / SMF	. Bate	Project I h; ¹ Matrix			
Units: mg/kg	Date Analyzed: 11/10/09 03:47		RROGATE R	ECOVERY	STUDY	
ТРН	l by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		86.9	100	87	70-135	
o-Tcrphenyl	<u> </u>	54.0	50.0	108	70-135	
Lab Batch #: 781088	Sample: 351048-001 S / M	S Batc	h: 1 Matrix	Soil	·	<u></u>
Units: mg/kg	Date Analyzed: 11/10/09 05:30	SU	RROGATE R	ECOVERY	STUDY	
ТРН	l by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctanc		· 111	100	111	70-135	
o-Terphenyl		52.2	50.0	104	70-135	
Lab Batch #: 781088	Sample: 351048-001 SD / 1	MSD Bate	h: 1 Matrix	Soil		
Units: mg/kg	Date Analyzed: 11/10/09 05:56	SU	RROGATE R	ECOVERY	STUDY	
	l by SW 8015B Analytes	Amount Found [A]	True Amount {B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctanc		115	100	115	70-135	
o-Terphenyl		53.8	50.0	108	70-135	<u> </u>

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / BAll results are based on MDL and validated for QC purposes.





Project Name: Penasco Compressor Station

Work Order #: 351048

,

Project ID:

Lab Batch #: 780716 Date Analyzed: 11/06/2009	Sample: 780716 Date Prepared: 11/06/2		Matrix: Analyst:	: Solid : LATCOF	ι	
Reporting Units: mg/kg	Batch #: 1	BLANK /	BLANK SPI	KE REC	COVERYS	TUDY
Anions in Soil By EPA 300.0	Blank Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags
Analytes	[A]	[B]	Result [C]	%R [D]	%R	
Chloride	ND	10.0	11.0	110	75-125	

Blank Spike Recovery [D] = 100*[C]/[B] All results are based on MDL and validated for QC purposes. BRL - Below Reporting Limit 1

XENCO Laboratories

BS / BSD Recoveries

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Project Name: Penasco Compressor Station

Work Order #: 351048 Analyst: ASA Lab Batch ID: 781159 Sample: 542848-1-BKS Tinits: mg/kg

Date Prepared: 11/10/2009 Batch #: 1

Date Analyzed: 11/10/2009 Matrix: Solid

Project ID:

Units: mg/kg			BLAN	K /BLANK S	PIKE / B	ILANK S	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	ICATE F	RECOVE	CRY STUD	Y	
BTEX by EPA 8021	8021	Blank Sample Result	Spike Added	Blank Spike Decente	Blank Spike	Spike Added	Blank Spike	Blk. Spk Dup. °/ D	RPD	Control Limits %D	Control Limits % p.p.p.	Flag
Analytes		E.	[B]	[C]		[3]	Dupneate Result [F]	10 10	°.	70K	70KFU	
Benzene		QN	0.1000	0.0969	26	0.1	0.0989	66	2	70-130	35	
Toluene		QN .	0.1000	0.0971	67	0.1	0.0989	66	2	70-130	35	
Ethylbenzene		QN	0.1000	0.0962	96	0.1	1660.0	66	3	71-129	35	
m,p-Xylenes		QN	0.2000	0.2098	105	0.2	0.2164	108	3	70-135	35	
o-Xylene		DN	0.1000	0.1015	102	0.1	0.1049	105	3	71-133	35	
Analyst: ASA		Da	ite Prepare	Date Prepared: 11/09/2009	6			Date Ar	nalyzed: 1	Date Analyzed: 11/10/2009		
Lab Batch ID: 781088	Sample: 542708-1-BKS	KS	Batch #:]	#: 1					Matrix: Solid	solid		
Units: mg/kg			BLAN	K /BLANK S	PIKE / B	LANKS	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	JCATE F	RECOVE	CRY STUD	Y	

					}						
TPH by SW 8015B	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[c]		[E]	Result [F]	פ				
C6-C10 Gasoline Range Hydrocarbons	QN .	0001	949	95	1000	940	94		70-135	35	
C10-C28 Diesel Range Hydrocarbons	DN	1000	729	73	1000	951	95	26	70-135	35	

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

Version: 1.008



Form 3 - MS Recoveries



Project Name: Penasco Compressor Station

Work Order #: 351048						
Lab Batch #: 780716			Pro	ject ID:	:	
Date Analyzed: 11/06/2009	Date Prepared: 11/06	5/2009	Α	nalyst: L	ATCOR	
QC- Sample ID: 351048-003 S	Batch #: 1		N	fatrix: S	oil	
Reporting Units: mg/kg	MATR	JX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result	%R [D]	Control Limits %R	Flag
Analytes	[A]	[B]	[C]	נטן	701	1
Chloride	15.5	122	148	109	75-125	1

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

BRL - Below Reporting Limit

Contact: Jennifer Knowlton

Project Id:

Certificate of Analysis Summary 355624 Agave Energy, Artesia, NM

Project Name: Penasco Compressor Station

Date Received in Lab: Tue Dec-15-09 10:30 am

Report Date: 21-DEC-09

ternalisme an ar sur s

	Lab Id:	355624-001	355624-002	355624-003		355624-005	355624-006
Analysis Donnostad	Field Id:	GS/Comp-Surface NW	GS/Comp-001 NW	GS/Comp-Surface NE	GS/Comp-001 NE	GS/Comp-Surface SW	GS/Comp-001 SW
naisanhay sisting	Depth:	4-4 In	1-1 A	4-4 In	1-1 A	4-4 In	1-1 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Dec-10-09 13:35	Dec-10-09 13:45	Dec-10-09 14:03	Dec-10-09 14:11	Dec-10-09 14:28	Dec-10-09 14:34
Anions in Soil By EPA 300.0	Extracted:						
	Analyzed:	Dec-16-09 08:38	Dec-16-09 08:38	Dec-16-09 08:38	Dec-16-09 08:38	Dec-16-09 08:38	Dec-16-09 08:38
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		119 8.40	97.3 8.40	103 8.40	103 8.40	118 8.40	53.4 4.20
BTEX by EPA 8021	Extracted:	Dcc-19-09 12:00	Dcc-19-09 12:00	Dcc-19-09 12:00	Dec-19-09 12:00	Dec-19-09 12:00	Dec-19-09 12:00
	Analyzed:	Dec-19-09 21:27	Dcc-19-09 21:50	Dec-19-09 17:55	Dcc-19-09 19:06	Dec-19-09 22:14	Dcc-19-09 22:38
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		0.0075 0.0057	BRL 0.0058	BRL 0.0011	BRL 0.0011	BRL 0.0058	BRL 0.0114
Toluene		0.2035 0.0114	0.1979 0.0115	BRL 0.0023	0.0124 0.0023	0.3387 0.0117	0.1405 0.0228
Ethylbenzene		0.1651 0.0057	0.4970 0.0058	0.0085 0.0011	0.0394 0.0011	0.6881 0.0058	0.3408 0.0114
m,p-Xylenes		0.7673 0.0114	2.962 0.0115	0.0453 0.0023	0.2084 0.0023	2.539 0.0117	2.064 0.0228
o-Xylene		0.2700 0.0057	2.181 0.0058	0.0470 0.0011	0.1984 0.0011	2.020 0.0058	2.568 0.0114
Xylenes, Total		1.0373 0.0057	5.143 0.0058	0.0923 0.0011	0.4068 0.0011	4.559 0.0058	4.632 0.0114
Total BTEX		1.4134 0.0057	5.838 0.0058	0.1008 0.0011	0.4586 0.0011	5.586 0.0058	5.113 0.0114
Percent Moisture	Extracted:						
	Analyzed:	Dec-15-09 17:00	Dec-15-09 17:00	Dec-15-09 17:00	Dec-15-09 17:00	Dec-15-09 17:00	Dec-15-09 17:00
	Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture	L	12.2 1.00	13.1 1.00	11.2 1.00	12.8 1.00	14.4 1.00	12.4 1.00
TPH by SW 8015B	Extracted:	Dec-15-09 14:00	Dec-15-09 14:00	Dec-15-09 14:00	Dec-15-09 14:00	Dec-15-09 14:00	Dec-15-09 14:00
	Analyzed:	Dcc-18-09 07:09	Dcc-18-09 07:36	Dcc-18-09 08:02	Dcc-18-09 08:29	Dcc-18-09 08:56	Dcc-18-09 09:23
-	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C10 Gasoline Range Hydrocarbons		280 17.1	374 17.3	219 16.9	360 17.1	331 17.5	336 17.1
C10-C28 Dicsel Range Hydrocarbons		325 17.1	507 17.3	572 16.9	411 17.1	431 17.5	257 17.1
Total TPH		605 17.1	881 17.3	791 16.9	771 17.1	762 17.5	593 17.1

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 besi jugment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Odessa Laboratory Manager

Brefit Barron, II

Form 3 - MS / MSD Recoveries



Project Name: Penasco Compressor Station

Work Order #: 351048

Date Analyzed: 11/11/2009 Lab Batch ID: 781159

Matrix: Soil --ASA Batch #: Analyst:

QC-Sample ID: 351048-001 S

Date Prepared: 11/10/2009

Project ID:

Flag × × × × × Limits %RPD Control 35 35 35 35 35 Control Limits %R 70-130 70-130 70-135 71-133 71-129 MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY RPD % 16 13 12 13 13 Spiked Dup. %R Matrix: Soil 53 56 56 61 58 Duplicate Spiked Sample Result [F] 0.0586 0.0619 0.1340 0.0619 0.0647 -Spike Added 0.1107 0.2214 0.1107 0.1107 0.1107 Ξ Batch #: Spiked Sample %R [D] 51 49 47 49 52 Spiked Sample Result َر ار 0.0517 0.0544 0.0540 0.1161 0.0562 QC- Sample ID: 351048-001 S 0.2214 0.1107 Spike Added 0.1107 0.1107 0.1107 [<u>B</u>] Parent Sample Result V g ą QN Q R BTEX by EPA 8021 Analytes Lab Batch ID: 781088 Reporting Units: mg/kg Ethylbenzene m,p-Xylenes o-Xylene Benzene Toluene

Date Analyzed: 11/10/2009 Renarting Units, ma/kg

Date Prepared: 11/09/2009

ASA Analyst:

		W	ATRIX SPIKI	C MATE	IIX SPII	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	TE RECO	VERY S	TUDY	:	:
TPH by SW 8015B	Parent Sample	Spike	Spiked Sample Spiked Result Sample Sp	Spiked Sample		Duplicate Si ce Spiked Sample I	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]		1 0]	ΞΞ	Result [F]	%R [G]	%	%R	%RPD	
C6-C10 Gasoline Range Hydrocarbons	ND	1110	0201	96	1110	0601	86	2	70-135	35	
C10-C28 Diesel Range Hydrocarbons	ŊŊ	1110	666	06	1110	913	82	6	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*((C-F)/(C+F))

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J ≈ Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, J ≈ Interference, NA = Not ApplicableN ≈ See Narrative, EQL = Estimated Quantitation Limit

Version: 1.008

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Final Ver. 1.001



Work Order #: 351048

Sample Duplicate Recovery



Project Name: Penasco Compressor Station

Lab Batch #: 780716 Date Analyzed: 11/06/2009 QC- Sample ID: 351048-003 D	Date Prepa Bate	red: 11/06/2009 h #: 1	9 Ana	Project I lyst:LATC rix: Soil		
Reporting Units: mg/kg		SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Anions in Soil By EPA 3	600.0	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride		15.5	16.4	6	20	
Lab Batch #: 780678 Date Analyzed: 11/05/2009 QC- Sample ID: 350993-001 D	Date Prepa Bate	red: 11/05/2009 h #: 1		lyst: WRU rix: Soil		
Reporting Units: %		SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture Analyte		Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture		5.40	5.24	3	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 Lab of Jexas
diqed gnibri belqms2 etsO
6' 11/2/2009
7 11/2/2009
7 11/2/2009
8' 11/2/2009
TPH: 8015B, BTEX: 8021B & Chlorides. BTEX results in mg/kg
Time Received by: 3:53 PM
Time Received by:
Time Received by ELO

The states

Final Ver. 1.001

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client:	Agave Energy
Date/ Time:	11.5.09 9.45
Lab ID # :	<u>35104B</u>
Initials:	AL

Sample Receipt Checklist

		-		Client	Initials
#1	Temperature of container/ cooler?	Yes	No	5.6 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	(Yes)	No	, ,	
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	iD written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

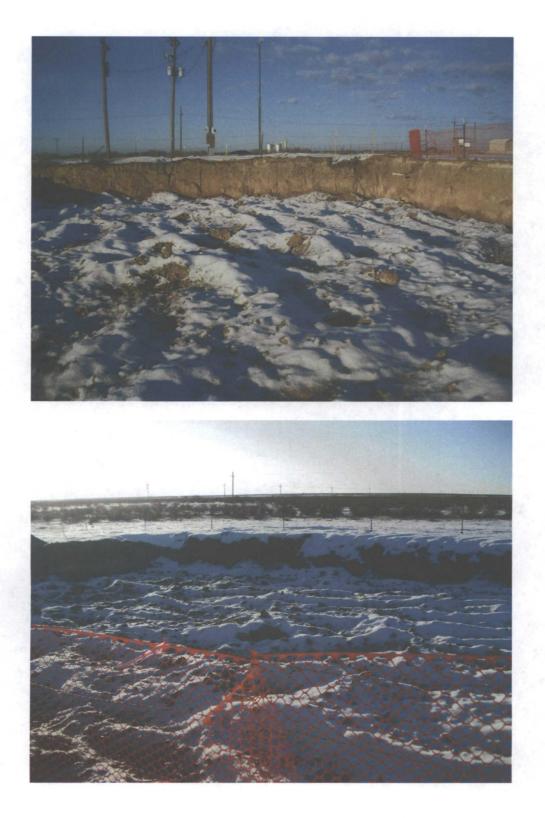
Contact:		Contacted by:	Date/ Time:	
Regarding:	. <u></u>			
Corrective Action Taker): 			
		· · · · · · · · · · · · · · · · · · ·		
Check all that Apply:		See attached e-mail/ fax Client understands and would like to p Cooling process had begun shortly aft	•	

PROJECTINAME	PENASCO Comp	RESSOR STOPPOR	
e i della segli scolo che posti dell'i dane dendari schogla.			
FIELD CODE	GSICOMP-001	G5/Comp-002	GS(ComP-003
DATE	11/21 2009 -		
TIME	14000	155 pm	212Pm
SOIL TYPE			
SOIL COLOR			
SOIL ODOR			
SAMPLE TYPE	GRASIAUGER -		
SAMPLE DEPTH	6	6-7'	12'
LATITUDE			
LONGITUDE	· · · · · · · · · · · · · · · · · · ·		
TEST TYPE			
COMMENTS	EXCONDION #1 -		EXCRUATION #2
	WESF SIDE OF -		EAST SIDE OF
···	JADAON -		STOTION
	SIDEWALL	bottom	SIDEWALL
	Unit 25		Unitoog
	GS/comp-004		
DATE	11/212009		· · · · · · · · · · · · · · · · · · ·
TIME	217PM		
SOIL TYPE			
SOIL COLOR			·
SOIL ODOR			
SAMPLE TYPE	GROS SHOJEL	· ·	
SAMPLE DEPTH	13-14'		
LONGITUDE			
TEST TYPE		r	
COMMENTS	Exclored #2		
	EXCLONATION # 2 EAST SIDE OF		<u></u>
	STOTION		
	BOTTOM		
1	J	1	

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Penasco Compressor Station December 30, 2009 South Tank Battery



Penasco Compressor Station December 30, 2009 South Tank Battery



Analytical Report 355624

for

Agave Energy

Project Manager: Jennifer Knowlton

Penasco Compressor Station

21-DEC-09



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-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 (LAO00308), 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 (T104704400-08-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX) Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX) Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917)



21-DEC-09

Project Manager: Jennifer Knowlton Agave Energy 105 S. Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 355624 Penasco Compressor Station Project Address: Eddy County

Jennifer Knowlton:

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 355624. 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. 355624 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

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Sample Cross Reference 355624

Agave Energy, Artesia, NM

Penasco Compressor Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-Surface NW	S	Dec-10-09 13:35	4 - 4 In	355624-001
GS/Comp-001 NW	S	Dec-10-09 13:45	1 - 1 ft	355624-002
GS/Comp-Surface NE	S	Dec-10-09 14:03	4 - 4 In	355624-003
GS/Comp-001 NE	S	Dec-10-09 14:11	1 - 1 ft	355624-004
GS/Comp-Surface SW	S	Dec-10-09 14:28	4 - 4 In	355624-005
GS/Comp-001 SW	S	Dec-10-09 14:34	1 - 1 ft	355624-006
GS/Comp-Surface SE	S	Dec-10-09 14:51	4 - 4 In	355624-007
GS/Comp-001 SE	S	Dec-10-09 14:57	1 - 1 ft	355624-008

CASE NARRATIVE



Client Name: Agave Energy Project Name: Penasco Compressor Station

Project ID: Work Order Number: 355624 Report Date: 21-DEC-09 Date Received: 12/15/2009

Sample receipt non conformances and Comments: None

Sample receipt Non Conformances and Comments per Sample:

.

None

Analytical Non Conformances and Comments:

Batch: LBA-785886 Percent Moisture None

Batch: LBA-785951 Inorganic Anions by EPA 300 None

Batch: LBA-786289 TPH by SW 8015B SW8015B NM

Batch 786289, C10-C28 Diesel Range Hydrocarbons recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Samples affected are: 355624-007, -004, -003, -005, -008, -002, -001, -006.

The Laboratory Control Sample for C10-C28 Diesel Range Hydrocarbons is within laboratory Control Limits

CASE NARRATIVE



Client Name: Agave Energy Project Name: Penasco Compressor Station

Project ID: Work Order Number: 355624

Report Date: 21-DEC-09 Date Received: 12/15/2009

Batch: LBA-786459 BTEX by EPA 8021 SW8021BM

Batch 786459, m,p-Xylenes recovered below QC limits in the Matrix Spike. Benzene, Ethylbenzene, Toluene, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 355624-004, -003, -005, -002, -001, -006.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits

SW8021BM

Batch 786459, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 355624-005,355624-006,355624-002.

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 355624-003,355624-004,355624-001,355624-006,355624-002,355624-005.

1,4-Difluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 355624-001.

CASE NARRATIVE



Client Name: Agave Energy Project Name: Penasco Compressor Station

Project ID: Work Order Number: 355624 Report Date: 21-DEC-09 Date Received: 12/15/2009

Batch: LBA-786535 BTEX by EPA 8021 SW8021BM

Batch 786535, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Benzene, Ethylbenzene, Toluene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 355624-007, -008.

The Laboratory Control Sample for Toluene, *m*,*p*-Xylenes , Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits

SW8021BM

Batch 786535, Benzene, Ethylbenzene, m,p-Xylenes RPD was outside QC limits. Samples affected are: 355624-007, -008

SW8021BM

Batch 786535, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 355624-008.

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 355624-008,355624-007.

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 355920-001 SD



Certificate of Analysis Summary 355624 Agave Energy, Artesia, NM

Project Name: Penasco Compressor Station

Date Received in Lab: Tue Dec-15-09 10:30 am

Project Location: Eddy County Total TPH C10-C28 Diesel Range Hydrocarbons C6-C10 Gasoline Range Hydrocarbons Percent Moisture Xylenes, Total o-Xylene m,p-Xylenes Ethylbenzene Benzene Chloride Toluene **Fotal BTEX** Anions in Soil By EPA 300.0 Analysis Requested BTEX by EPA 8021 TPH by SW 8015B **Percent Moisture** Sampled: Extracted: Extracted: Extracted: Extracted: Units/RL: Analyzed: Units/RL: Analyzed: Units/RL: Analyzed: Units/RL: Analyzed: Field Id: Matrix: Lab Id: Depth: GS/Comp-Surface SE Dec-15-09 14:00 Dec-19-09 12:30 Dec-10-09 14:51 Dec-18-09 09:50 Dec-15-09 17:00 Dec-20-09 04:54 Dec-16-09 08:38 mg∕kg mg/kg mg/kg 355624-007 0.0528 0.0234 0.2630 0.0117 0.2712 0.0234 0.0343 0.0117 % 0.6213 0.0117 0.5342 0.0117 4-4 In BRL 0.0117 87.3 SOIL 14.5 385 316 701 8.40 17.5 1.00 RL 17.5 17.5 RL RL RL GS/Comp-001 SE Dec-15-09 14:00 Dec-15-09 17:00 Dec-19-09 12:30 Dec-10-09 14:57 Dec-18-09 10:18 Dec-20-09 05:17 Dec-16-09 08:38 mg/kg mg/kg mg/kg 0.0377 0.0117 355624-008 0.1643 0.0058 0.9237 0.0117 % 2.141 0.0058 14.2 1.939 0.0058 1.015 0.0058 85.5 1-1 ft 95.0 BRL 0.0058 SOIL 310 405 8.40 17.5 1.00 17.5 17.5 RL RL RL RI Project Manager: Brent Barron, II

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 judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Project Id: Contact: Jennifer Knowlton

Report Date: 21-DEC-09

Odessa Laboratory Manager Brent Barron, II

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Final Ver. 1.000

Flagging Criteria

- XENCO Laboratorics
- 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
- * Outside XENCO's scope of NELAC Accreditation.

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Final Ver. 1.000



Project Name: Penasco Compressor Station

7 ork Orders : 355624 Lab Batch #: 786459	, Sample: 545940-1-BKS / B	KS Bata	Project II h: ¹ Matrix				
Units: mg/kg	Date Analyzed: 12/19/09 12:15	BKS Batch: 1 Matrix: Solid SURROGATE RECOVERY STUDY					
	X by EPA 8021	Amount Found [A]	True Amount B]	Recovery %R	Control Limits %R	Flags	
	Analytes			[D]			
1,4-Difluorobenzene		0.0328	0.0300	109	80-120		
4-Bromofluorobenzene		0.0296	0.0300	99	80-120		
Lab Batch #: 786459	Sample: 545940-1-BSD / B	Sample: 545940-1-BSD / BSD Batch: 1 Matrix: Solid					
Units: mg/kg	Date Analyzed: 12/19/09 12:47	SURROGATE RECOVERY STUDY					
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1,4-Difluorobenzene		0.0302	0.0300	101	80-120		
4-Bromofluorobenzene		0.0276	0.0300	92	80-120		
Lab Batch #: 786459	Sample: 545940-1-BLK / E	545940-1-BLK / BLK Batch: 1 Matrix: Solid					
Units: mg/kg	Date Analyzed: 12/19/09 13:58	SU	SURROGATE RECOVERY STUDY				
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1,4-Difluorobenzene		0.0283	0.0300	94	80-120		
4-Bromofluorobenzene		0.0279	0.0300	93	80-120		
Lab Batch #: 786459	Sample: 355624-003 / SMF	Batc	h: ¹ Matrix	: Soil	•		
Units: mg/kg	Date Analyzed: 12/19/09 17:55	SURROGATE RECOVERY STUDY					
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1,4-Difluorobenzene		0.0258	0.0300	86	80-120		
4-Bromofluorobenzene		0.0735	0.0300	245	80-120	**	
Lab Batch #: 786459	Sample: 355624-004 / SMF	P Batc	h: 1 Matrix	: Soil			
Units: mg/kg	Date Analyzed: 12/19/09 19:06	SURROGATE RECOVERY STUDY					
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1,4-Difluorobenzene	J	0.0246	0.0300	· 82	80-120		
4-Bromofluorobenzene		0.1628	0.0300	543	80-120	**	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Project Name: Penasco Compressor Station

Vork Orders : 355624			Project I			
Lab Batch #: 786459	Sample: 355624-001 / SMP	Batel		•	OTUDA	
Units: mg/kg	Date Analyzed: 12/19/09 21:27	50.	RROGATE R	ECOVERY		
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzenc	Analytes	0.0619	0.0300	206	80-120	**
4-Bromofluorobenzene		0.0619	0.0300	200	80-120	**
Lab Batch #: 786459	Sample: 355624-002 / SMP	Batcl	· · · · · · · · · · · · · · · · · · ·		00.20	
Units: mg/kg	Date Analyzed: 12/19/09 21:50		RROGATE R		STUDY	
	X by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1,4-Difluorobenzene		0.0160	0.0300	53	80-120	**
4-Bromofluorobenzene	•	0.4778	0.0300	1593	80-120	**
Lab Batch #: 786459	Sample: 355624-005 / SMP	Batcl				
Units: mg/kg	Date Analyzed: 12/19/09 22:14	SU	RROGATE R	ECOVERY S	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0177	0.0300	59	80-120	**
4-Bromofluorobenzene	· · · · · · · · · · · · · · · · · · ·	0.4304	0.0300	1435	80-120	**
Lab Batch #: 786459	Sample: 355624-006 / SMP	Batcl	h: 1 Matrix	: Soil		
Units: mg/kg	Date Analyzed: 12/19/09 22:38	SU	RROGATE R	ECOVERY S	STUDY	
	X by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1,4-Difluorobenzene		0.0192	0.0300	64	80-120	**
4-Bromofluorobenzene		0.1494	0.0300	498	80-120	**
Lab Batch #: 786459	Sample: 355585-014 S / MS	Batcl				
Units: mg/kg	Date Analyzed: 12/19/09 23:01	SU	RROGATE R	ECOVERY S	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0302	0.0300	101	80-120	
4-Bromofluorobenzene		0.0283	0.0300	94	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Penasco Compressor Station

ork Orders : 355624 Lab Batch #: 786459	l, Sample: 355585-014 SD / N	MSD Batcl	Project II			
Units: mg/kg	Date Analyzed: 12/19/09 23:25		RROGATE RI		STUDY	
BTE	CX by EPA 8021 Analytes	Amount Found [A]	True Amount · [B]	Recovery %R {D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0311	0.0300	104	80-120	
4-Bromofluorobenzene	t	0.0290	0.0300	97	80-120	
Lab Batch #: 786535	Sample: 545988-1-BKS / B	BKS Batcl	h: 1 Matrix	:Solid	<u> </u>	<u> </u>
Units: mg/kg	Date Analyzed: 12/20/09 00:12		RROGATE RI		STUDY	
	CX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0285	0.0300	95	80-120	<u> </u>
4-Bromofluorobenzene		0.0267	0.0300	89	80-120	
Lab Batch #: 786535	Sample: 545988-1-BSD / B	SD Batcl	h: 1 Matrix:	: Solid	<u>.</u>	<u></u>
Units: mg/kg	Date Analyzed: 12/20/09 00:35		RROGATE RE	ECOVERY ?	STUDY	·
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	1 Maray	0.0307	0.0300	102	80-120	<u> </u>
4-Bromofluorobenzene		0.0292	0.0300	97	80-120	
Lab Batch #: 786535	Sample: 545988-1-BLK / B	BLK Batcl	h: 1 Matrix:	:Solid		
Units: mg/kg	Date Analyzed: 12/20/09 01:46	SU	RROGATE RI	ECOVERY !	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0281	0.0300	94	80-120	<u> </u>
4-Bromofluorobenzene	· · ·	0.0282	0.0300	94	80-120	1
Lab Batch #: 786535	Sample: 355624-007 / SMP	Batch	h: 1 Matrix:	: Soil	<u> </u>	
Units: mg/kg	Date Analyzed: 12/20/09 04:54	SU	RROGATE RE	ECOVERY !	STUDY	
	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	Ahaiytes	0.0243	0.0300	81	80-120	<u> </u>
1, 4 -Dilluorooonize		1 0.0475 ,	0.0000		00-140	1

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Penasco Compressor Station

/ork Orders : 355624 Lab Batch #: 786535		Data	Project I h: 1 Matrix			
	Sample: 355624-008 / SMP	Batc	RROGATE R		STUDY	· · · · · ·
Units: mg/kg	Date Analyzed: 12/20/09 05:17	Amount	True		Control	,
· BTE	X by EPA 8021	Found [A]	Amount [B]	Recovery %R	Limits %R	Flag
	Analytes			[D]		
1,4-Difluorobenzene		0.0222	0.0300	74	80-120	**
4-Bromofluorobenzene		0.1981	0.0300	660	80-120	**
Lab Batch #: 786535	Sample: 355920-001 S / MS	Batc	h: ^l Matrix	:Soil		
Units: mg/kg	Date Analyzed: 12/20/09 06:04	SU	RROGATE R	ECOVERY S	STUDY	
BTE	X by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R' [D]	Control Limits %R	Flage
1.4-Difluorobenzene	Analytes	0.0295	0.0300	98	80-120	
4-Bromofluorobenzene	· · · · · · · · · · · · · · · · · · ·	0.0332	0.0300	111	80-120	
	Sample: 355920-001 SD / N				00-120	
Lab Batch #: 786535	· · · ·		h: ¹ Matrix RROGATE R	-	STUDY	
Units: mg/kg	Date Analyzed: 12/20/09 06:28		T		1	
BTE	X by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flag
	Analytes			[D]		:
1,4-Difluorobenzene		0.0331	0.0300	110	80-120	
4-Bromofluorobenzene		0.0382	0.0300	127	80-120	*
Lab Batch #: 786289	Sample: 545850-1-BLK / Bl	LK Bate	h: ¹ Matrix	:Solid		
Units: mg/kg	Date Analyzed: 12/18/09 05:21	SU	RROGATE R	ECOVERY S	STUDY	
TPF	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		118	99.6	118	70-135	
o-Terphenyl		61.8	49.8	124	70-135	
Lab Batch #: 786289	Sample: 545850-1-BKS / BI	•		1		
Units: mg/kg	Date Analyzed: 12/18/09 05:48		RROGATE R		STUDY	
	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	· · · · · · · · · · · · · · · · · · ·	120	99.5	121	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

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*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Penasco Compressor Station

Work Orders : 355624			Project II			
Lab Batch #: 786289	Sample: 545850-1-BSD / B		h: 1 Matrix: RROGATE RI		STUDY	
Units: mg/kg	Date Analyzed: 12/18/09 06:15 I by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		130	99.6	131	70-135	
o-Terphenyl		56.7	49.8	114	70-135	
Lab Batch #: 786289	Sample: 355624-001 / SMP	Batel	h: ¹ Matrix:	: Soil		
Units: mg/kg	Date Analyzed: 12/18/09 07:09	SU	RROGATE RE	ECOVERY	STUDY	
TPH	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctanc	· · · · · · · · · · · · · · · · · · ·	109	100	109	70-135	
o-Terphenyl		55.8	50.0	112	70-135	
Lab Batch #: 786289	Sample: 355624-002 / SMP	Batcl	h: ¹ Matrix:	: Soil	<u>l</u>	<u> </u>
Units: mg/kg	Date Analyzed: 12/18/09 07:36		RROGATE RE		STUDY	
ТРН	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		118	100	118	70-135	. <u></u> .
o-Terphenyl		57.1	50.0	114	70-135	·····
Lab Batch #: 786289	Sample: 355624-003 / SMP	Batel	h: ¹ Matrix:	: Soil	<u>. </u>	
Units: mg/kg	Date Analyzed: 12/18/09 08:02	SU	RROGATE RE	ECOVERY	STUDY	
ТРН	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	Allalytes	110	100	110	70-135	
o-Terphenyl	4	55.5	50.0	111	70-135	
Lab Batch #: 786289	Sample: 355624-004 / SMP					
Units: mg/kg	Date Analyzed: 12/18/09 08:29		RROGATE RE		STUDY	
	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctanc		114	99.5	115	70-135	
o-Terphenyl		56.7	49.8	114	70-135	

* Surrogate outside of Laboratory QC limits

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** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

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Form 2 - Surrogate Recoveries

Project Name: Penasco Compressor Station

Vork Orders : 355624 Lab Batch #: 786289	, Sample: 355624-005 / SMP	Batc	Project II h: 1 Matrix:			
Units: mg/kg	Date Analyzed: 12/18/09 08:56		RROGATE RI		STUDY	· · · · ·
TPH	I by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes					
1-Chlorooctane	,	108	100	108	70-135	
o-Terphenyl		53.6	50.0	107	70-135	
Lab Batch #: 786289	Sample: 355624-006 / SMP	Bate				
Units: mg/kg	Date Analyzed: 12/18/09 09:23	SU	RROGATE RI	ECOVERY	STUDY	
TPH	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		116	99,9	116	70-135	
o-Terphenyl		57.2	50.0	114	70-135	
Lab Batch #: 786289	Sample: 355624-007 / SMP	Batc	h: l Matrix	: Soil	1	
Units: mg/kg	Date Analyzed: 12/18/09 09:50		RROGATE RI	COVERY	STUDY	
ТРН	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		115	99.8	115	70-135	
o-Terphenyl		57.8	49.9	116	70-135	
Lab Batch #: 786289	Sample: 355624-008 / SMP	Bate	h: 1 Matrix:	Soil	11	
Units: mg/kg	Date Analyzed: 12/18/09 10:18	SU	RROGATE RI	ECOVERY	STUDY	
ТРН	l by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctanc		112	100	112	70-135	
o-Terphenyl		56.4	50.0	112	70-135	
Lab Batch #: 786289	Sample: 355624-007 S / MS	Bate	h: ¹ Matrix:	Soil	I	
Units: mg/kg	Date Analyzed: 12/18/09 10:45		RROGATE RE		STUDY	
ТРН	l by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		127	99.8	127	70-135	
o-Terphenyl		55.3	49.9	111	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution



Project Name: Penasco Compressor Station

No. N.

Vork Orders : 355624 Lab Batch #: 786289 Units: mg/kg	, Sample: 355624-007 SD / N Date Analyzed: 12/18/09 11:12		Project II h: ¹ Matrix RROGATE R	:Soil	STUDY	
TPH	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		129	99.7	129	70-135	
o-Terphenyl		55.4	49.9	111	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution Surrogate Recovery [D] = 100 * A / B





Project Name: Penasco Compressor Station

Work Order #: 355624

Project ID:

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Lab Batch #: 785951 Date Analyzed: 12/16/2009	Sample: 785951 Date Prepared: 12/16/2		Matrix: Analyst:	Solid LATCOF	ł	
Reporting Units: mg/kg	Batch #: 1	BLANK /	BLANK SPI	KE REC	COVERY S	STUDY
Anions in Soil By EPA 300.0	Blank Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags
Analytes	[A]	[B]	Result [C]	%R [D]	%R	
Chloride	<0.420	10.0	10.6	106	75-125	

Blank Spike Recovery [D] = 100*[C]/[B] All results are based on MDL and validated for QC purposes. BRL - Below Reporting Limit

XENCO	\frown		BS / BSD Recoveries	Reco	Recoveries	92				Nea	111 30
	Pro	Project Name:	1	Penasco Compressor	npresso	r Station		,	ŕ		1
Work Order #: 355624 Analyst: ASA	Da	ite Prepare	Date Prepared: 12/19/2009	Q			Proj Date Ar	Project ID: Date Analyzed: 12/19/2009	2/19/2009		
Lab Batch ID: 786459 Sample: 545940-1-BKS		Batch #:	1#: 1					Matrix: Solid	olid		
Units: mg/kg		BLAN	BLANK /BLANK SPIKE / BLANK SPI	PIKE / B	LANK S	PIKE DUPLICATE	JCATE I	RECOVE	RECOVERY STUDY	Y	
BTEX by EPA 8021	Blank Sample Result	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes	-	(B)	[C]	[a]	[E]	Result [F]	[G]	;			_
Benzene	<0.0010	0.1000	0.1063	106	0.1	0.1014	101	. 5	70-130	35	
Toluene	<0.0020	0.1000	0.1084	108	0.1	0.1041	104	4	70-130	35	
Ethylbenzene	<0.0010	0.1000	0.1050	105	0.1	0.1022	102	3	71-129	35	
m,p-Xylenes	<0.0020	0.2000	0.2366	118	0.2	0.2283	114	4	70-135	35	
o-Xylene	<0.0010	0.1000	0.1164	116	0.1	0.1128	113	3	71-133	35	
Analyst: ASA	Da	Date Prepared:	ed: 12/19/2009	61			Date Ar	Date Analyzed: 12/20/2009	2/20/2009		
Lab Batch ID: 786535 Sample: 545988-1-BKS	BKS	Batch #:	·#: 1				·	Matrix: Solid	olid		
Units: mg/kg		BLAN	BLANK /BLANK SPIKE / BLANK SPI	SPIKE / B	LANK S	PIKE DUPLICATE		RECOVE	RECOVERY STUDY	Y	
BTEX by EPA 8021	Blank Sample Result	Spike Added	Blank Spike Besult	Blank Spike %P	Spike Added	Blank Spike Dunlicate	Blk. Spk Dup. % p	RPD	Control Limits	Control Limits % ppn	Flag
Analytes	Ĵ	B	[C]	Đ	[E]	Result [F]	G	č			
Benzene	<0.0010	0.1000	0.1068	107	0.1	0.1146	115	7	70-130	35	
Toluene	<0.0020	0.1000	0.1101	1.10	0.1	0.1180	118	7.	70-130	35	
Ethylbenzene	<0.0010	0.1000	0.1083	108	0.1	0.1168	117	8	71-129	35	
m,p-Xylenes	<0.0020	0.2000	0.2405	120	0.2	0.2596	130	8	70-135	35	_
o-Xylcnc	<0.0010	0.1000	0.1173	117	0.1	0.1282	128	9	71-133	35	

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

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XENCO Laboratories	D	Benjart Norma		D Reco	overie	2			ACCAR	nead	HIIM 374	
Work Order #: 355624 Analyst: BEV	Da	Date Prepared:	ed: 12/15/2009	60			Proj Date Ai	Project ID: Date Analyzed: 12/18/2009	2/18/2009			
Lab Batch ID: 786289 Sample: 545850-1-BKS		Batch #:	ı#: 1					Matrix: Solid	olid			
Units: mg/kg		BLAN	BLANK /BLANK SPIKE / BLANK SPIKI	SPIKE / F	3LANK S	PIKE DUPI	E DUPLICATE 1	RECOVE	RECOVERY STUDY	Y		
TPH by SW 8015B	Blank Sample Result	Spike Added	Blank Spike	Blank Spike	Spike Added	Blank Spike	Blk. Spk Dup.	RPD	Control Limits	Control Limits	Flag	· • & .
Analytes	[A	[8]	(C)	[D]	E	Result [F]	[G]	~	% R	%KPD		···•••••••••••••••••••••••••••••••••••
C6-C10 Gasoline Range Hydrocarbons	<14.9	995	950	95	966	666	100	5	70-135	35		
C10-C28 Diesel Range Hydrocarbons	<14.9	995	710	71.	966	875	88	21	70-135	35		** .
									4			
Relative Percent Difference RPD = 200*((C-F)/(C+F)) Blank Spike Recovery (D) = 100*(C)/(B)												
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												

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Form 3 - MS Recoveries



Project Name: Penasco Compressor Station

Work Order #: 355624					
Lab Batch #: 785951		Proj	ect ID:		
Date Analyzed: 12/16/2009	Date Prepared: 12/16/2009) An	alyst: LAT	TCOR	
QC- Sample ID: 355590-008 S	Batch #: 1	М	atrix: Soil		
Reporting Units: mg/kg	MATRIX /	MATRIX SPIKE	RECOVE	ERY STU	DY
Inorganic Anions by EPA 300	Parent Sample Spi Result Add		%R [D]	Control Limits %R	Flag
Analytes	[A] [B				
Chloride .	55.5 11	2 172	104	75-125	

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

BRL - Below Reporting Limit

XENCO	Fo	rm 3	Form 3 - MS / MSD Rec	ISD]		overies		C			200
Laboratories	Proje	ct Nan	Project Name: Penasco Compress) Com	oresso	or Station	į		Acre	inea a	
Work Order #: 355624						Project ID:	.				
Lab Batch ID: 786459 Date Analyzed: 12/19/2009	QC- Sample ID: Date Prepared:	355585-014 S 12/19/2009	-014 S 009	Ba An:	Batch #: Analyst:	1 Matri ASA	Matrix: Soil				
Reporting Units: mg/kg		N	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	E/MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
BTEX by EPA 8021	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Snike	Duplicate Spiked Sample	Spiked Dun	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	ICI	%	%R	%RPD	
Benzene	<0.0012	0.1231	0.0624	51	0.1231	0.0800	65	25	70-130	35	×
Toluene	<0.0025	0.1231	0.0663	54	0.1231	0.0834	68	23	70-130	35	x
Ethylbenzene	<0.0012	0.1231	0.0651	53	0.1231	0.0798	65	20	71-129	35	×
m,p-Xylenes	<0.0025	0.2461	0.1468	60	0.2461	0.1770	72	19	70-135	35	x
o-Xylene	<0.0012	0.1231	0.0670 .	54	0.1231	0.0831	68	21	71-133	35	х
Lab Batch ID: 786535	QC- Sample ID:	355920-001 S	-001 S	Ba	Batch #:	1 Matri	Matrix: Soil				
Date Analyzed: 12/20/2009	Date Prepared: 12/19/2009	12/19/2	(009	An	Analyst:	ASA					
Reporting Units: mg/kg		M	MATRIX SPIKE / MATRIX SI	E / MAT	RIX SPI	PIKE DUPLICATE	TE REC	RECOVERY STUDY	STUDY		
BTEX by EPA 8021	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	Added [B]	[0]	[D]	Added [E]	Kesuit [F]	[G]	%	%R	%RPD	
Benzene	<0.0011	0.1082	0.0242	22	0.1082	0.0565	52	80	70-130	35	XF
Toluene	<0.0011	0.1082	0.0337	31	0.1082	0.0298 .	28	12	70-130	35	×
Ethylbenzene	<0.0011	0.1082	0.0066	ē .	0.1082	<0.0011	0	200	71-129	35	XF
m,p-Xylenes	<0.0022	0.2164	0.1049	48	0.2164	0.1614	75	42	70-135	35	XF
o-Xylene	<0.0011	0.1082	0.0593	55	0.1082	0.0812	75	31	71-133	35	x

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 Matrix Spike Percent Recovery
 [D] = 100*(C-A)/B
 Matrix Spike Duplic

 Relative Percent Difference
 RPD = 200*(C-F)/(C+F)|
 ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, J = Interference, NA = Not

 ApplicableN = See Narrative, EQL = Estimated Quantitation Limit
 See Not Reporting Limit, B = Present in Blank, NR = Not Requested, J = Interference, NA = Not

.

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

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YENCO	(Fo	Form 3 -	- MS / MSD Reco	MSD	Reco	overies				TEO IN ACCO	NO NO
Laboratories	Proj	ect Nam	Project Name: Penasco Compressor Station	co Com	pressoi	r Station			~	Ne b	
Work Order #: 355624						Project ID:	D:				
Lab Batch ID: 786289	QC- Sample ID:	9: 355624-007 S	007 S	B	Batch #:	1 Matri	Matrix: Soil				
Reporting Units: mg/kg			MATRIX SPIKE / MATRIX SP	KE / MAT	RIX SPI	IKE DUPLICATE RECOVERY STUDY	TE REC	OVERY	STUDY		
TPH by SW 8015B	Parent Sample	Spike	Spiked Sample Result	00	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	(A)	Added [B]	ſĊ	[D]		Result [F]	%R [G]	%	%R	%RPD	
C6-C10 Gasoline Range Hydrocarbons	316	1170	1340	88	1170	1180	74	13	70-135	35	
C10-C28 Diesel Range Hydrocarbons	385	1170	1120	63	1170	1130	64	-	70-135	35	×
										·	
Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*(C-F)/(C+F) ND - Matrix Spike Department I init B - Decent in Black NB = Not Requested 1 = Interference NA - Mat		Matrix Spike Duplicate Percent Recovery $[G] = 100*(F-A)/E$	Duellanta Da								

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Sample Duplicate Recovery

Project Name: Penasco Compressor Station

Work Order #: 355624						
Lab Batch #: 785951				Project II	D:	
Date Analyzed: 12/16/2009	Date Prepar	red: 12/16/2009) Anal	lyst:LATC	OR	
QC- Sample ID: 355590-008 D	Batch	h #: 1	Mat	trix: Soil		
Reporting Units: mg/kg		SAMPLE /	/SAMPLE	DUPLIC	ATE RECO	OVERY
Anions in Soil By EPA 300	0.0	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride		55.5	56.7	2	20	[
Lab Batch #: 785886 Date Analyzed: 12/15/2009	-	red: 12/15/2009		lyst: WRU		
QC- Sample ID: 355590-007 D Reporting Units: %	Batch		/ SAMPLE	trix: Soil DUPLIC	ATE REC	OVERY
Percent Moisture Analyte		Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture		10.5	11.4	9	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 . *

ental Lab of Texas CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST	12600 West I-20 East Odessa, Texas 79765 Fax: 432-563-1713	owition Project Name: Penasco Compressor Station	gy Company Project #:	th Street Loc: Eddy County	88210 PO#:	71 Fax No: Fax No: Report Format: X Standard TRRP NPDES	e-mail: boba@yatespetroleum.com & jknowlton@yatespetroleum.com	Analyze For.		TOTAL:	Beginning Depth Ending Depth Eading Depth Eading Depth Date Sampled Date Sampled Nacc, Sampled None Nacc, Sampled None None None None None Sampled None None Sampled None None Sampled None None Sampled None Sampled Sampled None Sampled None Samons (Cl. Sol, Man Samons (Cl. Sol, Man Samons (Cl. Sol, Solidon Samivolatiles Samivolatiles Samivolati	4" 4" 12/10/2009 1:35 PM 11 X . X X X X	1' 1' 12/10/2009 1:45 PM 1 X X X X	4" 4" 12/10/2009 2:03 PM 1 X X X X X X	1' 1' 12/10/2009 2:11 PM 1 X S X X X X	W 4" 4" 12/10/2009 2:28 PM h X S X X X X X	1. 1. 12/10/2009 2:34 PM 1 X S X X X X X X	4" 4" 12/10/2009 2:51 PM 1 X S X X X X X X	1' 1' 12/10/2009 2:57 PM 11 X S X X X X X		TPH: 8015B, BTEX: 8021B & Chlorides. BTEX results in mg/kg. Thank you. [Laboratory Comments: Sample Containers Intact?	, @	Time Received by: Date Time Sample Hand Delivered No.	
of Te							•					+	-+	-+		-+			-+-		1B & Chio		T	Baartat
Lab							7			I	dıqəQ gainnigəB	4"	Ŧ	4		+			÷	+	X: 802	Time 2:36 Pi	Time	
XENCO-Environmental Lab of Tex		Project Manager: Jennifer Knowton	Company Name Agave Energy Company	Company Address: 105 South 4th Street	City/State/Zip: Artesia, NM 88210	Te le phone No: <u>505-748-1471</u>			e only)	R# 395624	FIELD CODE	GS/Comp-Surface NW	GS/Comp-001 NW	GS/Comp-Surface NE	GS/Comp-001 NE	Comp-Surface SW	GS/Comp-001 SW	Ö	S GS/Comp-001 SE		Special Instructions: TPH: 8015B, BTE	242 / 12 ar		
XE						·			(lab use only)	ORDER #:	(yino sau dai) # 8AJ	อ	2	g	B	ମ୍ବ	δ	6	8		Special	Relinquit	Relinquit	

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Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client:	Agave Energy	
Date/ Time:	12 15 09 10:30	
Lab ID # :	355624	
Initials:	AL	

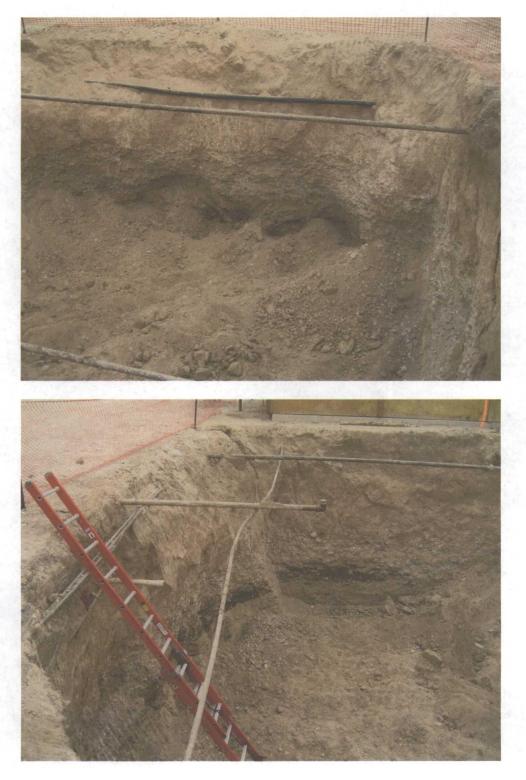
1000

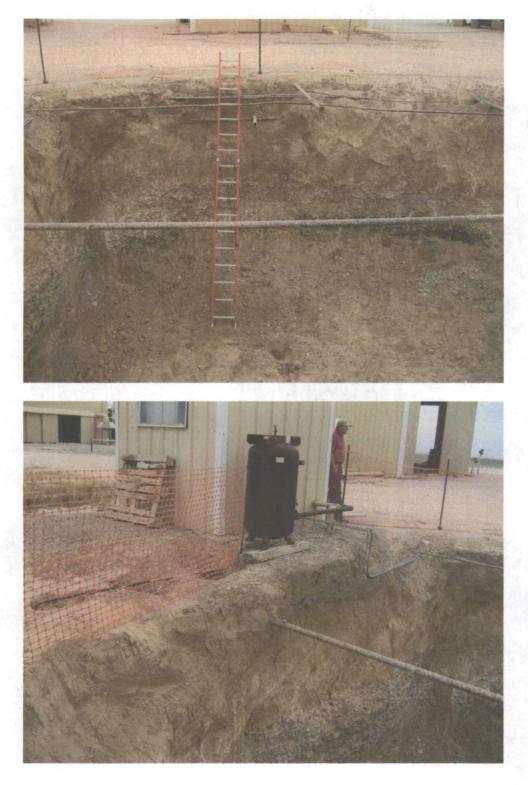
Sample Receipt Checklist

	, , , , , , , , , , , , , , , , , , ,			Client	Initials
#1	Temperature of container/ cooler?	res	No	2.0°C	
#2	Shipping container in good condition?	(es)	No		
#3	Custody Seals intact on shipping container/ cooler?	(res)	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Ke s	No	Not Present	
#5	Chain of Custody present?		No		
#6	Sample instructions complete of Chain of Custody?	Ves	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(res)	No		
#12	Samples in proper container/ bottle?	(es)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(res	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	(res)	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact:		Contacted by:		Date/ Time:	
Regarding:					
Corrective Action Taker	1:				
·····					
Check all that Apply:		See attached e-mail/ fax Client understands and wou Cooling process had begun	•	-	













Analytical Report 356167

for

Agave Energy

Project Manager: Jennifer Knowlton

Penasco Compressor Station

29-DEC-09





12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

 Texas (T104704215-08-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 (LAO00308), 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 (T104704400-08-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX) Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX) Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917)

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29-DEC-09



Project Manager: Jennifer Knowlton Agave Energy 105 S. Fourth St. Artesia, NM 88210

Reference: XENCO Report No: **356167 Penasco Compressor Station** Project Address: Eddy County

Jennifer Knowlton:

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 356167. 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. 356167 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

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America





Sample Cross Reference 356167

Agave Energy, Artesia, NM

Penasco Compressor Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/ Unit # 2 - Bottom	S	Dec-17-09 10:05	20 - 20 ft	356167-001
GS/ Unit # 2 - Sidewall	S	Dec-17-09 10:10	15 - 15 ft	356167-002
GS/ Unit # 23 - Bottom	S	Dec-17-09 10:15	15 - 15 ft	356167-003
GS/ Unit # 23 -010 Sidewall	S	Dec-17-09 10:20	10 - 10 ft	356167-004
GS/ Unit # 23 - 012 Sidewall	S	Dec-17-09 10:25	12 - 12 ft	356167-005

CASE NARRATIVE



Client Name: Agave Energy Project Name: Penasco Compressor Station

Project ID: Work Order Number: 356167 Report Date: 29-DEC-09 Date Received: 12/18/2009

Sample receipt non conformances and Comments: None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-786482 Percent Moisture None

Batch: LBA-786535 BTEX by EPA 8021 SW8021BM

Batch 786535, Benzene, Ethylbenzene, m,p-Xylenes RPD was outside QC limits. Samples affected are: 356167-002, -004, -001

SW8021BM

Batch 786535, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis Samples affected are: 355920-001 SD.

SW8021BM

Batch 786535, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Benzene, Ethylbenzene, Toluene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 356167-002, -004, -001.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits

Batch: LBA-786560 Inorganic Anions by EPA 300 None

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CASE NARRATIVE



Client Name: Agave Energy Project Name: Penasco Compressor Station

Project ID: Work Order Number: 356167 Report Date: 29-DEC-09 Date Received: 12/18/2009

Batch: LBA-786873 BTEX by EPA 8021 SW8021BM

Batch 786873, Benzene, Ethylbenzene, Toluene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 356167-005, -003.

The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene is within laboratory Control Limits

SW8021BM

Batch 786873, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 356167-005,356167-003.

Batch: LBA-787268 TPH by SW 8015B SW8015B_NM

Batch 787268, C10-C28 Diesel Range Hydrocarbons recovered below QC limits in the Matrix Spike.

Samples affected are: 356167-005, -002, -004, -001, -003. The Laboratory Control Sample for C10-C28 Diesel Range Hydrocarbons is within laboratory Control Limits

Certificate of Analysis Summary 356167 Agave Energy, Artesia, NM



Project Name: Penasco Compressor Station

Date Received in Lab: Fri Dec-18-09 10:30 am

					Project Manager:	Brent Barron, II	
	Lab Id:	356167-001	356167-002	356167-003		356167-005	
Analysis Domostal	Field Id:	GS/ Unit # 2 - Bottom	GS/ Unit # 2 - Sidewall	GS/ Unit # 23 - Bottom	GS/ Unit # 23 -010 Sidewall GS/ Unit # 23 - 012 Sidewal	GS/ Unit # 23 - 012 Sidewall	
Anuiysis Nequesieu	Depth:	20-20 ft	15-15 ft	15-15 ft	10-10 ft	12-12 ft	×
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Dec-17-09 10:05	Dec-17-09 10:10	Dec-17-09 10:15	Dec-17-09 10:20	Dec-17-09 10:25	
Anions in Soil By EPA 300.0	Extracted:						
	Analyzed:	Dec-21-09 10:06	Dec-21-09 10:06	Dec-21-09 10:06	Dec-21-09 10:06	Dec-21-09 10:06	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		76.8 8.40	103 4.20	BRL 16.8	22.4 4.20	11.2 4.20	
BTEX by EPA 8021	Extracted:	Dec-19-09 12:30	Dec-19-09 12:30	Dcc-22-09 08:00	Dec-19-09 12:30	Dec-22-09 08:00	
	Analyzed:	Dec-20-09 02:56	Dec-20-09 03:20	Dec-22-09 14:52	Dec-20-09 03:43	Dec-22-09 21:33	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		BRL 0.0011	BRL 0.0011	0.1865 0.1166	BRL 0.0011	BRL 0.2765	
Toluene		BRL 0.0022	BRL 0.0022	5.368 0.2331	BRL 0.0022	0.6911 0.5529	
Ethylbenzenc		BRL 0.0011	BRL 0.0011	2.397 0.1166	BRL 0.0011	0.4949 0.2765	
m,p-Xylenes		0.0033 0.0022	BRL 0.0022	12.15 0.2331	0.0125 0.0022	6.781 0.5529	
o-Xylene		0.0049 0.0011	BRL 0.0011	3.246 0.1166	0.0059 0.0011	1.924 0.2765	
Xylenes, Total		0.0082 0.0011	BRL 0.0011	15.40 0.1166	0.0184 0.0011	8.705 0.2765	-
Total BTEX		0.0082 0.0011	BRL 0.0011	23.35 0.1166	0.0184 0.0011	9.891 0.2765	
Percent Moisture	Extracted:						
	Analyzed:	Dec-19-09 09:15	Dec-19-09 09:15	Dec-19-09 09:15	Dec-19-09 09:15	Dec-19-09 09:15	×
	Units/RL:	% RL	% RL	% RL	% RL	% RL	
Percent Moisture		8.10 1.00	9.52 1.00	14.2 1.00	7.14 1.00	9.57 1.00	
TPH by SW 8015B	Extracted:	Dec-21-09 16:00	Dec-21-09 16:00	Dec-21-09 16:00	Dec-21-09 16:00	Dec-21-09 16:00	
	Analyzed:	Dec-24-09 05:31	Dec-24-09 05:58	Dcc-24-09 06:24	Dec-24-09 06:50	Dcc-24-09 07:17	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C10 Gasoline Range Hydrocarbons		31.0 16.3	BRL 16.6	422 87.4	BRL 16.2	703 166	
C10-C28 Diesel Range Hydrocarbons		163 16.3	21.0 16.6	1060 87.4	51.2 16.2	1530 166	
Total TPH		194 16.3	21.0 16.6	1482 87.4	51.2 16.2	2233 166	

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 judgment of XENCO Laboratories. XENCO Laboratorics assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing. Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

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Final Ver. 1.000

Odessa Laboratory Manager

Brent Barron, II

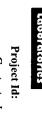
Contact: Jennifer Knowlton

Project Location: Eddy County

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Since M Report Date: 29-DEC-09







- 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

* Outside XENCO's scope of NELAC Accreditation.

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Project Name: Penasco Compressor Station

Vork Orders : 356167			Project I			
Lab Batch #: 786535	Sample: 545988-1-BKS / B					
Units: mg/kg	Date Analyzed: 12/20/09 00:12	SU	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0285	0.0300	95	80-120	
4-Bromofluorobenzene	10-0-1	0.0267	0.0300	89	80-120	
Lab Batch #: 786535	Sample: 545988-1-BSD / B	SD Bate	h: ¹ Matrix	c:Solid	·	
Units: mg/kg	Date Analyzed: 12/20/09 00:35	. SU	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0307	0.0300	102	80-120	
4-Bromofluorobenzene	-	0.0292	0.0300	97	80-120	
Lab Batch #: 786535	Sample: 545988-1-BLK / B	LK Batc	h: ¹ Matrix	:Solid	1	
Units: mg/kg	Date Analyzed: 12/20/09 01:46	SU	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0281	0.0300	94	80-120	
4-Bromofluorobenzene		0.0282	0.0300	94	80-120	
Lab Batch #: 786535	" Sample: 356167-001 / SMP	Bate	h: ¹ Matrix	:Soil		
Units: mg/kg	Date Analyzed: 12/20/09 02:56	SU	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1,4-Difluorobenzene 4-Bromofluorobenzene		0.0267	0.0300	89	80-120	
		0.0345	0.0300	115	80-120	
Lab Batch #: 786535	Sample: 356167-002 / SMP	Batel	h: ¹ Matrix RROGATE R		TUDV	
Units: mg/kg	Date Analyzed: 12/20/09 03:20		KKUGATE K			•
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	· · · · · · · · · · · · · · · · · · ·	0.0275	0.0300	92	80-120	
				1		

* Surrogate outside of Laboratory QC limits -

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Penasco Compressor Station

7 ork Orders : 356167 Lab Batch #: 786535	, Sample: 356167-004 / SMP	Batch	Project I n: 1 Matrix			
Units: mg/kg	Date Analyzed: 12/20/09 03:43	SU	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	Analytes	0.0259	0.0300	86	80-120	
4-Bromofluorobenzene		0.0233	0.0300	· 108	80-120	
	Sample: 355920-001 S / MS	Batcł	n: 1 Matrix	r: Soil		
Units: mg/kg	Date Analyzed: 12/20/09 06:04		RROGATE R		STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0295	0.0300	98	80-120	
4-Bromofluorobenzene		0.0332	0.0300	111	80-120	
Lab Batch #: 786535	Sample: 355920-001 SD / M	ISD Batch	n: 1 Matrix	: Soil		
Units: mg/kg	Date Analyzed: 12/20/09 06:28	SUI	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0331	0.0300	110	80-120	
4-Bromofluorobenzene		0.0382	0.0300	127	80-120	*
Lab Batch #: 786873	Sample: 546198-1-BKS / BF	KS Batch	n: 1 Matrix	:Solid	·	
Units: mg/kg	Date Analyzed: 12/22/09 10:25	SUI	RROGATE R	ECOVERY S	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	· · · · · · · · · · · · · · · · · · ·	0.0301	0.0300	100	80-120	
Lab Batch #: 786873	Sample: 546198-1-BSD / BS					
Units: mg/kg	Date Analyzed: 12/22/09 10:49	SUI	RROGATE R	ECOVERY S	STUDY	
BTE	X by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	<i>v</i>	0.0308	0.0300	103 .	80-120	
				1		

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution



Project Name: Penasco Compressor Station

/ork Orders : 356167 Lab Batch #: 786873	7, Sample: 546198-1-BLK / B	LK Batcl	Project I h: 1 Matrix	D: c:Solid		
Units: mg/kg	Date Analyzed: 12/22/09 12:00		RROGATE R		STUDY	
BTE	CX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes			· · · · · · · · · · · · · · · · · · ·		
1,4-Difluorobenzene 4-Bromofluorobenzene		0.0263	0.0300	88	80-120	-
		0.0283	0.0300	94	80-120	
Lab Batch #: 786873	Sample: 356167-003 / SMP					
Units: mg/kg	Date Analyzed: 12/22/09 14:52	SU1	RROGATE R	ECOVERY	STUDY	
BTE	CX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0167	0.0300	56	80-120	**
4-Bromofluorobenzene		0.0299	0.0300	100	80-120	
Lab Batch #: 786873	Sample: 356167-005 / SMP	Batch	h: ¹ Matriy	: Soil	I	
Units: mg/kg	Date Analyzed: 12/22/09 21:33	SU	RROGATE R	ECOVERY	STUDY	
BTE	CX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzenc	Analytes	0.0179	0.0300	60	80-120	**
4-Bromofluorobenzene		0.0275	0.0300	92	80-120	
Lab Batch #: 786873	Sample: 356372-001 S / MS	Batch	h: 1 Matrix	r: Soil		
Units: mg/kg	Date Analyzed: 12/22/09 21:56		RROGATE R		STUDY	
	X by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1,4-Difluorobenzene		0.0293	0.0300	98	80-120	
4-Bromofluorobenzene		0.0303	0.0300	101	80-120	
Lab Batch #: 786873	Sample: 356372-001 SD / N					
Units: mg/kg	Date Analyzed: 12/22/09 22:20	SUI	RROGATE R	ECOVERY	STUDY	
BTE	X by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes	I				
1.4-Difluorobenzene	Analytes	0.0292	0.0300	97	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution



Project Name: Penasco Compressor Station

ork Orders : 356167 Lab Batch #: 787268	7, Sample: 546403-1-BKS / B	KS Batcl	Project I h: 1 Matrix			
Units: mg/kg	Date Analyzed: 12/24/09 03:45		RROGATE R		STUDY	
	H by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	Allalytes	121			70.126	
o-Terphenyl		121 54.4	<u> </u>	121	70-135	
					70-155	
Lab Batch #: 787268	Sample: 546403-1-BSD / B		h: ¹ Matrix RROGATE R		STUDY	
Units: mg/kg	Date Analyzed: 12/24/09 04:12	50	RROGATE R			
TPI	H by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		130	99.8	130	70-135	
o-Terphenyl		58.9	49.9	118	70-135	
Lab Batch #: 787268	Sample: 546403-1-BLK / B	LK Batcl	h: ¹ Matrix	:Solid	,	
Units: mg/kg	Date Analyzed: 12/24/09 04:38	SU	RROGATE R	ECOVERY	STUDY	
TPI	H by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		120	101	119	70-135	
o-Terphenyl		67.3	50.3	134	70-135	
Lab Batch #: 787268	Sample: 356167-001 / SMP	Batel	h: 1 Matrix	: Soil	I	
Units: mg/kg	Date Analyzed: 12/24/09 05:31		RROGATE R	ECOVERY	STUDY	
TPI	H by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		· 101	99.7	101	70-135	
o-Terphenyl		56.7	49.9	114	70-135	
Lab Batch #: 787268	Sample: 356167-002 / SMP					
Units: mg/kg	Date Analyzed: 12/24/09 05:58	SU	RROGATE R	ECOVERY	STUDY	
TPF	H by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
1.011	Analytes	10.6	100	· [D]	50.105	
1-Chlorooctane		106	100	106	70-135	
o-Terphenyl		59.9	50.0	120	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution



Form 2 - Surrogate Recoveries

Project Name: Penasco Compressor Station

Vork Orders : 356167 Lab Batch #: 787268	Sample: 356167-003 / SMP	Batc	Project I h: 1 Matrix			
Units: mg/kg	Date Analyzed: 12/24/09 06:24	SU	RROGATE R	ECOVERY	STUDY	•
TPH	I by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1 Chlansastara	Analytes	105	100		70.126	
1-Chlorooctanc o-Terphenyl		105 60.8	100 50.0	105	70-135 70-135	
					70-155	
Lab Batch #: 787268	Sample: 356167-004 / SMP	Batel	h: 1 Matrix		TUDV	
Units: mg/kg	Date Analyzed: 12/24/09 06:50	50	KROGATE K			
TPH	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	-	117	100	117	70-135	
o-Terphenyl		65.1	50.0	130	70-135	
Lab Batch #: 787268	Sample: 356167-005 / SMP	Batc	h: 1 Matrix	:Soil		
Units: mg/kg	Date Analyzed: 12/24/09 07:17	SU	RROGATE R	ECOVERY S	STUDY	
TPF	I by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		114	100	114	70-135	
o-Terphenyl		63.8	50.0	128	70-135	
Lab Batch #: 787268	Sample: 356167-001 S / MS	Batel	h: 1 Matrix	: Soil		
Units: mg/kg	Date Analyzed: 12/24/09 09:29	SU	RROGATE R	ECOVERY S	STUDY	
TPH	I by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		110	99.7	110	70-135	
o-Terphenyl	· 1	49.8	49.9	100.	70-135	
Lab Batch #: 787268	Sample: 356167-001 SD / M					
Units: mg/kg	Date Analyzed: 12/24/09 09:55	SU	RROGATE R	ECOVERY S	STUDY	
TPH	H by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	Analytes	105	100	105	70-135	
- Chiorooctane		102	100	103	0-133	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B





Project Name: Penasco Compressor Station

Work Order #: 356167

Project ID:

Lab Batch #: 786560 Date Analyzed: 12/21/2009		ample: 786560- pared: 12/21/20)09		LATCOF		
Reporting Units: mg/kg	B	atch #: 1	BLANK /	BLANK SPI	KE REC	OVERY S	STUDY
Anions in Soil By EPA 300.0		Blank Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags
Analytes		[A]	[B]	Result [C]	%R [D]	%R -	
Chloride		<0.420	10.0	10.0	100	75-125	

Blank Spike Recovery [D] = 100*[C]/[B] All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

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BS / BSD Recoveries



10550 M

Project Name: Penasco Compressor Station

Work Order #: 356167 Analyst: ASA Lab Batch ID: 786535 Units: mg/kg

Sample: 545988-1-BKS

Date Prepared: 12/19/2009

Batch #: 1

Date Analyzed: 12/20/2009 Matrix: Solid

Project ID:

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	LANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY
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BTEX by EPA 8021		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 fGl	RPD . %	Control Limits %R	Control Limits %RPD	Flag
Allaly US												•
Benzene		<0.0010	0.1000	0.1068	107	0.1	0.1146	115	7	70-130	35	
Toluene		<0.0020	0.1000	0.1101	110	0.1	0.1180	118	7	70-130	35	
Ethylbenzene		<0.0010	0.1000	0.1083	108	0.1	0.1168	117	×	71-129	35	
m,p-Xylencs		<0.0020	0.2000	0.2405	120	0.2	0.2596	130	∞	70-135	35	
o-Xylene		<0.0010	0.1000	0.1173	117	0.1	0.1282	128	6	71-133	35	
Analyst: ASA		Da	te Prepare	Date Prepared: 12/22/2009	. 6			Date Ai	Date Analyzed: 12/22/2009	2/22/2009		
Lab Batch ID: 786873	Sample: 546198-1-BKS	S	Batch #:	#: 1					Matrix: Solid	olid		

Limits Control %RPD 35 35 35 35 35 **BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY** Control Limits %R . 70-130 70-130 71-129 70-135 71-133 RPD % × œ 6 6 6 Blk. Spk Dup. %R [G] 112 100 104 103 112 Blank Spike Duplicate Result [F] 0.1002 0.2240 0.1116 0.1035 0.1029 Spike Added 0.1 Ξ 0.1 0.2 0.1 0.1 Blank Spike %R [D] 112 112 122 122 109 Blank Spike Result 0.1123 0.2442 0.1220 0.1090 0.1121 Ξ Spike Added 0.1000 0.1000 0.1000 0.1000 0.2000 B Sample Result <0.0010 <0.0010 <0.0020 <0.0010 <0.0020 Blank <u>र</u> BTEX by EPA 8021 Units: mg/kg Analytes Ethylbenzene m,p-Xylenes o-Xylene Toluene Benzene

Flag

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 Page 14 of 20

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Form 3 - MS Recoveries



Project Name: Penasco Compressor Station

Work Order #: 356167					
Lab Batch #: 786560		Pro	ject ID	:	
Date Analyzed: 12/21/2009	Date Prepared: 12/21/2009	9 A	nalyst: L	ATCOR	
QC- Sample ID: 356111-035 S	Batch #: 1	Ν	Aatrix: S	Soil	
Reporting Units: mg/kg	MATRIX /	MATRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300	Parent Sample Spi Result Add		%R [D]	Control Limits %R	Flag
Analytes	[A] [E	3]			
Chloride	10.0 15	51 156	97	75-125	

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

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries



Project Name: Penasco Compressor Station

Work Order #: 356167

Date Analyzed: 12/20/2009 Lab Batch ID: 786535 Reporting Units: mg/kg

Project ID: Batch #:

Matrix: Soil -

> QC- Sample ID: 355920-001 S Date Prepared: 12/19/2009

ASA Analyst:

Reporting Units: mg/kg		N	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	E/MAT	RIX SPIK	E DUPLICA	FE RECO	VERY S	STUDY		
BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Spiked Result Sample [C] %R	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.0011	0.1082	0.0242	22	0.1082	0.0565	52	80	70-130	35	XF
Toluene	<0.0011	0.1082	0.0337	31	0.1082	0.0298	28	12	70-130	35	×
Ethylbenzene	<0.0011	0.1082	0.0066	9	0.1082	<0.0011	0	200	71-129	35	XF
m,p-Xylenes	<0.0022	0.2164	0.1049	48	0.2164	0.1614	75	42	70-135	35	XF
o-Xylene	<0.0011	0.1082	0.0593	55	0.1082	0.0812	75	31	71-133	35	X
Lab Batch ID: 786873 Date Analyzed: 12/22/2009	QC- Sample ID: 356372-001 S Date Prepared: 12/22/2009	356372 [.] 12/22/2	-001 S 009	Ba	Batch #: 1 Analvst: ASA	l Matrix: Soil SA	: Soil				

Date Analyzed: 12/22/2009

Date Frepared: 12/22/2009

AGA Analyst:

Reporting Units: mg/kg		M	ATRIX SPIKI	E / MAT	RIX SPII	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	FE RECO	VERY	STUDY		
BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Spiked Result Sample Si [C] %R Ao	Spiked Sample %R [D]	pike Ided E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.0011	0.1057	0.0664	63	0.1057	0.0689	65	4	70-130	35	×
Toluene	<0.0021	0.1057	0.0693	99	0.1057	0.0721	68	4	70-130	35	×
Ethylbenzene	<0.0011	0.1057	0.0684	65	0.1057	0.0724	68	9	71-129	35	×
m,p-Xylencs	<0.0021	0.2115	0.1500	71	0.2115	0.1575	74	5	70-135	35	

....

35

71-133

73

0.0772

0.1057

71

0.0746

0.1057

<0.0011

o-Xylene

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

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Form 3 - MS / MSD Recoveries



Project Name: Penasco Compressor Station

Work Order #: 356167 Lab Batch ID: 787268

Date Analyzed: 12/24/2009 Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUBI ICATE BECOVERV STUDY BEV Analyst: **QC- Sample ID:** 356167-001 S **Date Prepared:** 12/21/2009

Matrix: Soil

-

Batch #:

Project ID:

		M	A I KIA SPIN		ALA SPIL	MATKIA SPINE / MATKIA SPINE DUPLICATE RECUVERY STUDY	E RECL	VERYS	VUUT		
TPH by SW 8015B	Parent Sample	Spike	Spiked Sample Spiked Result Sample S	Spiked Sample	Spike	Duplicate Spike Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]		%R [D]	Added [E]	Result [F]	%R [G]	%		%RPD	
C6-C10 Gasoline Range Hydrocarbons	31.0	1080	1050	94	1090	1020	91	m m	. 70-135	35	
C10-C28 Diesel Range Hydrocarbons	. 163	1080	<i>L11</i>	57	1090	983	75	23	, 70-135	35	×

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*((C-F)/(C+F))

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

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Sample Duplicate Recovery



Project Name: Penasco Compressor Station

Work Order #: 356167

Lab Batch #: 786560			Project I	D:	
Date Analyzed: 12/21/2009 Da	ate Prepared: 12/21/200	9 Ana	lyst:LATC	COR	
QC- Sample ID: 356111-035 D	Batch #: 1	Mat	t rix: S oil		
Reporting Units: mg/kg	SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Anions in Soil By EPA 300.0	Parent Sample Result [A]	Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Chloride	10.0	10.1	1	20	
Lab Batch #: 786482					
	ate Prepared: 12/19/2009	9 Ana	lyst:ЛG		
	ate Prepared: 12/19/2009 Batch #: 1		lyst:Л С t rix: Soil		
Date Analyzed: 12/19/2009 Da	Batch #: 1		t rix: Soil	ATE REC	OVERY
Date Analyzed: 12/19/2009 Date QC- Sample ID: 356164-001 D D	Batch #: 1	Mat / SAMPLE	t rix: Soil	ATE REC Control Limits %RPD	OVERY Flag

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

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a,	Project Manager:	Jennifer Knowtton	E													Pro	ject 1	lame	Pel	asco	õ	ibre	Project Name: Penasco Compressor Station	tatio	c			1
U	Company Name	Agave Energy Company	отрапу					-				ļ					Proj	Project #:										1
U	Company Address: 105 South 4th Street	105 South 4th S	treet										ļ		1	ā,	rojec	t Loc		Project Loc: Eddy County	≩		}				1	1
0	City/State/Zip:	Artesia, NM 88210	210										·					# 04										1
F	Telephone No:	505-748-1471					Fax No:	1							<u>م</u>	Report Format:	Forn	at:	×	X Standard	pre] тккр	e.			ES	
Ø	Sampler Signature:		રું				e-mail:	· • • • • • • •	oba	<u>8</u>	boba@yatespetroleum.com	petr	oler	Ĕ	E S	ଅ	<u>i</u> Kn	<u>W</u>	<u>na</u>	yate	Spe	to	jknowiton@yatespetroleum.com	EO				
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(lab use only)		ſ	<u> </u>						i							_			TOTAL	OTAL:		╉					44 22	
ORDER #:	1 ana ct : :	10							Ц	Preser	Preservation & # of Containers)0 #	Contair	ers	Ž	Matrix	851			95 I		000	007				· 999 · 1	
(vino esu dei) # 8A		EIEI D CODE		dtgeG gninnlget	ding Depth	beiqme2 eteO	belqms2 emīT	ield Filtered		² ONH	<u>нос, 100 нас.</u>	HOBN	¢OzSzBN	Other (Specify)	egbul8≂J3 tetsW grinnn0=W0	GW = Groundwater Sescify Other		TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K)	Anions (CI, SO4, Alkalinity)	SAR / ESP / CEC	2018tilles	Semivolatiles	BTEX 80218 /5030 or BTEX 8: RCI	Chiondes N.O.R.M.			TAT HRUBA (Pro-Scholule) 24 TAT brebriet2	
	GS/Unit	GS/Unit #2 - Bottom		л, <mark>1</mark>	20,	12/17/2009	10:05 AM		×		\vdash		\square	\vdash		S .	×			[Ĥ	×	×	Ŀ		×	<u> </u>
07	GS/Unit	GS/Unit #2 - Sidewalf		15'	15'	12/17/2009	10:10 AM	1	×				-		_	S	×			-			×	<u>×</u>			<u> </u>	
53	GS/Unit	GS/Unit #23 - Bottom		15,	15	12/17/2009	10:15 AM		×							S	×			-	_	-	×	×	_		×	
3	GS/Unit #2	GS/Unit #23 - 010 Sidewall	-	10'	10'	12/17/2009	10:20 AM	-	×							S	×					7	×	<u>×</u>			<u>×</u>	—r
ŝ	GS/Unit #2	GS/Unit #23 - 012 Sidewall		12'	12'	12/17/2009	10:25 AM	-	×		-	\square		-		S	×	-		-	\square	Ĥ	×	×	-		\rightarrow	
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Special In:	Special Instructions:	TPH: 80	TPH: 8015B, BTEX: 8021B & Chlor		218	& Chlorides.	BTEX results in mg/kg.	 	- By	1	Thank you	ğ	1	-	.	7	1			Laboratory Comments: Samole Containers Intac		Laboratory Comments: Samole Contatrens Intaci?	- 1 - C.		0			
																		<u>3</u>	Čs F	ee of	Head	VOCs Free of Headspace?	~		8	~		
Relinquished by: Bohed Asher	der: . Revalua		Date 12/17/09	Tir 3:26	Time 3:26 PM	Received by:									Date		Time	<u> </u>	stody stody	n con seals seals		Labels on containen(s) Custody seals on container(s) Custody seals on cooler(s)	er(s)		90 (S	22	zz z	
Relinquished by:	d by:		Date	Time	e	Received by:									Date		Time	ଔ	by S by S	Sample Hand Delivered by Sampler/Client Rei by Courter? UPS	Clien	mple Hand Delivered by Sampler/Client Rep. 7 by Courter?UPS	DHL		કેત્ર્	Ŋ	Star	
Relinquishe	Relinquished by: Fldxx		Date	eu.	æ	Represented by ELOT:	WA JON	8					\vdash	a 	Date 17 - 18 - 091		10.30	<mark>ارم</mark>	J age	1 gr	<u>n</u>	Temperature Upon Receipt:	ä	I	<u>4</u> .6		ပ္	

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

Client:	Agave Energy
Date/ Time:	12.18.09 10.30
Lab ID # :	356167
Initials:	AL

Sample Receipt Checklist

				Client Init
#1	Temperature of container/ cooler?	Yes	No	4.6 °C
#2	Shipping container in good condition?	Yes	No	
#3	Custody Seals intact on shipping container/ cooler?	(es)	No	Not Present
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present
#5	Chain of Custody present?	Yes	No	
#6	Sample instructions complete of Chain of Custody?	Yes	No	
#7	Chain of Custody signed when relinquished/ received?	Tes	No	
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	Yes	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No	· · · · · · · · · · · · · · · · · · ·
#11	Containers supplied by ELOT?	Yes	No	
#12	Samples in proper container/ bottle?	(Yes	No	See Below
#13	Samples properly preserved?	Ves	No	See Below
#14	Sample bottles intact?	Tes	No	
#15	Preservations documented on Chain of Custody?	(Yes)	No	
#16	Containers documented on Chain of Custody?	(Yes)	No	
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below
#18	All samples received within sufficient hold time?	Yes	No	See Below
#19	Subcontract of sample(s)?	Yes	No	Alot Applicable
#20		Xes>	No	Not Applicable

Variance Documentation

Contact:	Contacted by:	Date/ Time:
Regarding:		
Corrective Action Taken:		
······································		<u> </u>

Check all that Apply:

See attached e-mail/ fax

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