Bratcher, Mike, EMNRD

From: Amanda Trujillo [atrujillo@yatespetroleum.com]
Sent: Tuesday, August 03, 2010 5:18 PM
To: Bratcher, Mike, EMNRD
Cc: Jerry Fanning; Joe Palma
Subject: Gissler AV-B Battery S23 T17S 25E
Attachments: 100_1106.jpg; 100_1107.jpg; 100_1108.jpg; 100_1109.jpg; H20187 YATES.pdf; Rpt_WO_383209_ver_1_000.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Orange Category

Mike:

Attached are the results from the witnessed sampling of the Gissler AV-B Battery (S23 T17S 25E). There was one hot spot in which we took a grab sample from, analysis showed it was high so we excavated more soil from there and took additional samples. Attached are lab results and pictures taken at the time of the excavation and sampling. Upon your approval I would like to backfill the hole with the material stockpiled on location. The stockpiled material came from the Achen Frey Battery when it was disassembled. Analyticals from the stockpile are included in the first set of data. There is only about half the required material in the stock pile, therefore it will go in the hole first then the other material will be supplied from a near by caliche pit. Once the hole is backfilled we can begin the second phase of the clean up which is excavating beneath the next tank. Please contact me if you have any questions.

Thank you,

Amanda N. Trujillo
Environmental Scientist
Yates Petroleum Corporation
Office 575-748-4310
Cell 575-703-6537
Email atrujillo@yatespetroleum.com

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

July 1, 2010

Amanda Trujillo
Yates Petroleum Corporation
105 South 4th Street
Artesia, NM 88210

Re: Gissler AV-B

Enclosed are the results of analyses for sample number H20187, received by the laboratory on 06/23/10 at 10:25 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
YATES PETROLEUM CORPORATION
ATTN: AMANDA TRUJILLO
105 SOUTH 4TH STREET
ARTESIA, NM 88210

Receiving Date: 06/23/10
Reporting Date: 07/01/10
Project Number: NOT GIVEN
Project Name: GISSLER AV-B
Project Location: GISSLER AV-B

Sampling Date: 06/22/10
Sample Type: SOIL
Sample Condition: INTACT @17 °C
Sample Received By: JH
Analyzed By: AB/ZL

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE:		06/28/10	06/28/10	06/23/10	06/23/10	06/23/10	06/23/10	06/24/10
H20187-1**	5 POINT COMP BOTTOM	<10.0	14.2	<0.050	<0.050	<0.050	<0.300	208
H20187-2	3 POINT COMP SIDEWALL	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	32
H20187-3	GRAB SAMPLE	6,070	27,500	0.336	8.27	5.51	31.4	16
H20187-4	5 POINT COMP STOCK PILE	<50.0	690	<0.050	1.24	0.776	4.77	1,230
Quality Control		464	522	0.017	0.016	0.018	0.050	500
True Value QC		500	500	0.020	0.020	0.020	0.060	500
% Recovery		92.8	104	85.0	80.0	90.0	83.3	100
Relative Percent Difference		0.1	0.5	3.1	2.5	2.2	2.4	6.5

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B
*Analyses performed on 1:4 w:v aqueous extracts.
Not accredited for Chloride and GRO/DRO.
**One or more TPH surrogates outside historical limits due to matrix interference.

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Reported on wet weight.
**Samples analyzed outside the EPA recommended hold time.

Lab Director

Date

H20187 TBCL YATES

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Amanda Trujillo
Compı (505) 393-232(Yates Petroleum Corporation
Company Address: 105 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4310 Fax No:
Sampler Signature: e-mail: atrujillo@yatespetroleum.com

Project Name: Gissler AV-B
Project #:
Project Loc: Gissler AV-B
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: / TOTAL: 8015B: TPH: 418.1 8015M TX 1005 TPH: TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4 Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	Chlorides			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
H20187																														
1	5 point Comp Bottom	4"	6"	6/22/2010	9:00 AM		1	x								S	x							x			X				
2	3 point Comp Sidewall	4"	6"	6/22/2010	9:00 AM		1	x								S	x							x			X				
3	Grab Sample	4"	6"	6/22/2010	9:00 AM		1	x								S	x							x			X				
4	5 point Comp Stock Pile	4"	6"	6/22/2010	9:00 AM		1	x								S	x							x			X				

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	06/22/10	3:44 PM	[signature]	6/23/10	10:25
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT	Date	Time

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
Labels on container(s) (Y) N
Custody seals on container(s) (Y) N
Custody seals on cooler(s) (Y) N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? (Y) N
by Courier? UPS DHL (FedEx) Lone Star
Temperature Upon Receipt: 17°C °C

#7.1

Analytical Report 383209

for

Yates Petroleum Corporation

Project Manager: Amanda Trujillo

Gissler AV-B Battery

30-JUL-10

12600 West I-20 East Odessa, Texas 79765

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

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

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)
Xenco-Boca Raton (EPA Lab Code: FL00449):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

30-JUL-10

Project Manager: **Amanda Trujillo**
Yates Petroleum Corporation
105 South Fourth St.
Artesia, NM 88210

Reference: XENCO Report No: **383209**
Gissler AV-B Battery
Project Address: Gissler AV-B Battery

Amanda Trujillo:

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 383209. 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. 383209 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 383209

Yates Petroleum Corporation, Artesia, NM

Gissler AV-B Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Grab Sample North Sidwall	S	Jul-21-10 12:00		383209-001

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Gissler AV-B Battery

Project ID:
Work Order Number: 383209

Report Date: 30-JUL-10
Date Received: 07/27/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-816433 Percent Moisture
None

Batch: LBA-816657 TPH by SW 8015B
None

Batch: LBA-816830 BTEX by EPA 8021
None

Certificate of Analysis Summary 383209

Yates Petroleum Corporation, Artesia, NM

Project Name: Gissler AV-B Battery

Project Id:
Contact: Amanda Trujillo
Project Location: Gissler AV-B Battery

Date Received in Lab: Tue Jul-27-10 10:05 am
Report Date: 30-JUL-10
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	383209-001					
	Field Id:	Grab Sample North Sidwall					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Jul-21-10 12:00					
BTEX by EPA 8021	*Extracted:*	Jul-28-10 14:55					
	Analyzed:	Jul-29-10 11:13					
	Units/RL:	mg/kg RL					
Benzene		ND 0.0011					
Toluene		ND 0.0023					
Ethylbenzene		ND 0.0011					
m,p-Xylenes		ND 0.0023					
o-Xylene		ND 0.0011					
Xylenes, Total		ND 0.0011					
Total BTEX		ND 0.0011					
Percent Moisture	*Extracted:*						
	Analyzed:	Jul-28-10 08:15					
	Units/RL:	% RL					
Percent Moisture		12.4 1.00					
TPH by SW 8015B	*Extracted:*	Jul-28-10 11:43					
	Analyzed:	Jul-28-10 15:26					
	Units/RL:	mg/kg RL					
C6-C10 Gasoline Range Hydrocarbons		ND 17.2					
C10-C28 Diesel Range Hydrocarbons		ND 17.2					
Total TPH		ND 17.2					

Brent Barron, II
Odessa Laboratory Manager

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

PQL Practical Quantitation Limit

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: Gissler AV-B Battery

Work Orders : 383209,

Project ID:

Lab Batch #: 816830 **Sample:** 569361-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/29/10 03:38

BTEX by EPA 8021 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0308	0.0300	103	80-120	
4-Bromofluorobenzene	0.0290	0.0300	97	80-120	

Lab Batch #: 816830 **Sample:** 569361-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/29/10 04:01

BTEX by EPA 8021 Analytes	SURROGATE RECOVERY STUDY 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	0.0292	0.0300	97	80-120	

Lab Batch #: 816830 **Sample:** 569361-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/29/10 05:08

BTEX by EPA 8021 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0254	0.0300	85	80-120	
4-Bromofluorobenzene	0.0287	0.0300	96	80-120	

Lab Batch #: 816830 **Sample:** 383209-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/29/10 11:13

BTEX by EPA 8021 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0244	0.0300	81	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 816657 **Sample:** 569258-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/28/10 13:54

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.0	99.8	94	70-135	
o-Terphenyl	42.4	49.9	85	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.

Form 2 - Surrogate Recoveries

Project Name: Gissler AV-B Battery

Work Orders : 383209,

Project ID:

Lab Batch #: 816657 **Sample:** 569258-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/28/10 14:25

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	99.9	117	70-135	
o-Terphenyl	53.7	50.0	107	70-135	

Lab Batch #: 816657 **Sample:** 569258-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/28/10 14:56

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.4	99.7	98	70-135	
o-Terphenyl	49.5	49.9	99	70-135	

Lab Batch #: 816657 **Sample:** 383209-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/28/10 15:26

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	79.7	100	80	70-135	
o-Terphenyl	40.3	50.2	80	70-135	

Lab Batch #: 816657 **Sample:** 383209-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/28/10 18:01

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	43.4	50.0	87	70-135	

Lab Batch #: 816657 **Sample:** 383209-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/28/10 18:32

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	49.4	50.0	99	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.

BS / BSD Recoveries

Project Name: Gissler AV-B Battery

Work Order #: 383209 **Project ID:**

Analyst: ASA **Date Prepared:** 07/28/2010 **Date Analyzed:** 07/29/2010

Lab Batch ID: 816830 **Sample:** 569361-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
Benzene	ND	0.1000	0.1118	112	0.1	0.1089	109	3	70-130	35	
Toluene	ND	0.1000	0.1013	101	0.1	0.0996	100	2	70-130	35	
Ethylbenzene	ND	0.1000	0.1064	106	0.1	0.1045	105	2	71-129	35	
m,p-Xylenes	ND	0.2000	0.2142	107	0.2	0.2106	105	2	70-135	35	
o-Xylene	ND	0.1000	0.1053	105	0.1	0.1038	104	1	71-133	35	

Analyst: BEV **Date Prepared:** 07/28/2010 **Date Analyzed:** 07/28/2010

Lab Batch ID: 816657 **Sample:** 569258-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW 8015B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
C6-C10 Gasoline Range Hydrocarbons	ND	998	1060	106	999	1180	118	11	70-135	35	
C10-C28 Diesel Range Hydrocarbons	ND	998	853	85	999	1070	107	23	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

Form 3 - MS / MSD Recoveries

Project Name: Gissler AV-B Battery

Work Order # : 383209 **Project ID:**

Lab Batch ID: 816657 **QC- Sample ID:** 383209-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/28/2010 **Date Prepared:** 07/28/2010 **Analyst:** BEV

Reporting Units: mg/kg

TPH by SW 8015B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	ND	1140	1240	109	1140	1380	121	11	70-135	35	
C10-C28 Diesel Range Hydrocarbons	ND	1140	993	87	1140	1100	96	10	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, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Gissler AV-B Battery

Work Order #: 383209

Lab Batch #: 816433 **Project ID:**

Date Analyzed: 07/28/2010 **Date Prepared:** 07/28/2010 **Analyst:** JLG

QC- Sample ID: 383138-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	10.3	10.2	1	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

LAB Order ID # 383209 / 383210 Page ____ of ____

TraceAnalysis, Inc.

email: lab@traceanalysis.com
5002 Basin Street, Suite E
Midland, Texas 79703 Tel
(432) 689-6301
Fax (432) 689-6313

Company Name: Yates Petroleum Corporation	Phone #: 575-748-1471
Address: (Street, City, Zip) 105 South Fourth Street, Artesia, NM 88210	Fax #: 575-748-4585
Contact Person: AMANDA TRUJILLO	E-mail: atrujillo@yatespetroluem
Invoice to: (If different from above)	
Project #:	Project Name: Gissler AV-B Battery
Project Location: Gissler AV-B Battery	Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO_3	$NaHSO_4$	H_2SO_4	ICE	NONE	SAMPLING: DATE	TIME
01	Grab Sample North Sidewall	1			x							x		7/21/2010	12:00 PM

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Chlorides			Turn Around Time if different from standard	Hold
	x		x														x				

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
A Trujillo		7/22/10	9:00am	Andrea Sam		7-27-10	10:05	9.5°

LAB USE ONLY
Intact Y N
Headspace Y N
Log-in Review

REMARKS:
Received via Fedex

☐ Check If Special Reporting Limits Are Needed

Carrier # ____

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of COC

Final 1.000

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

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum

Date/Time: 7.27.10 10:05

Lab ID # : 383209 / 383210

Initials: AL

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	9.5 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact: Amanda Trujillo Contacted by: Andrea Lam Date/Time: 7.27.10 / 14:45

Regarding: Temp. out of range when received at lab.

Corrective Action Taken: Client would like to proceed.

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

YATES PET Gissler AV 18 (Btry) ZRP-420

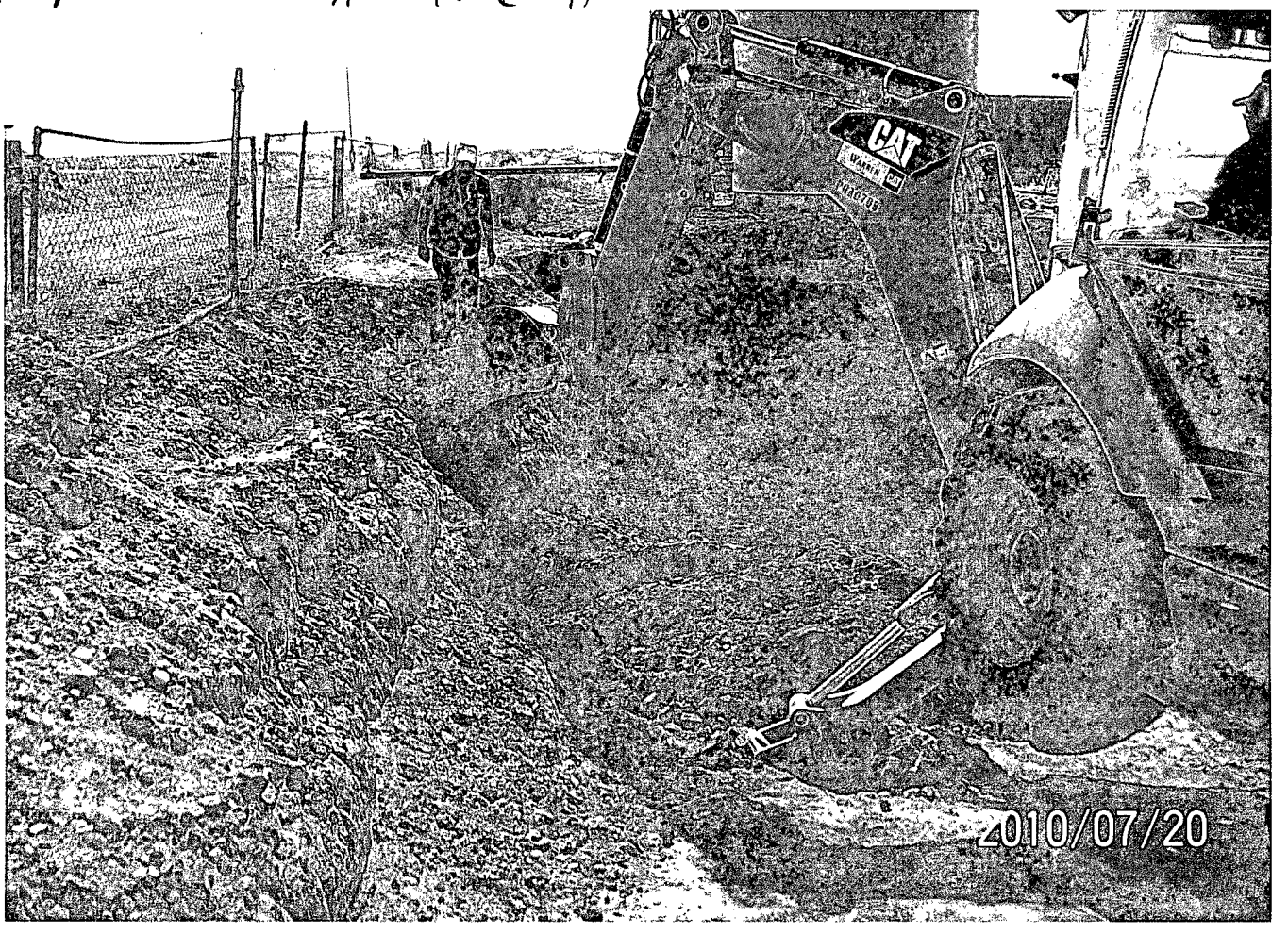

Photo by YATES

Yates Pet Gissler AV 18 (Btg) 2RP-420

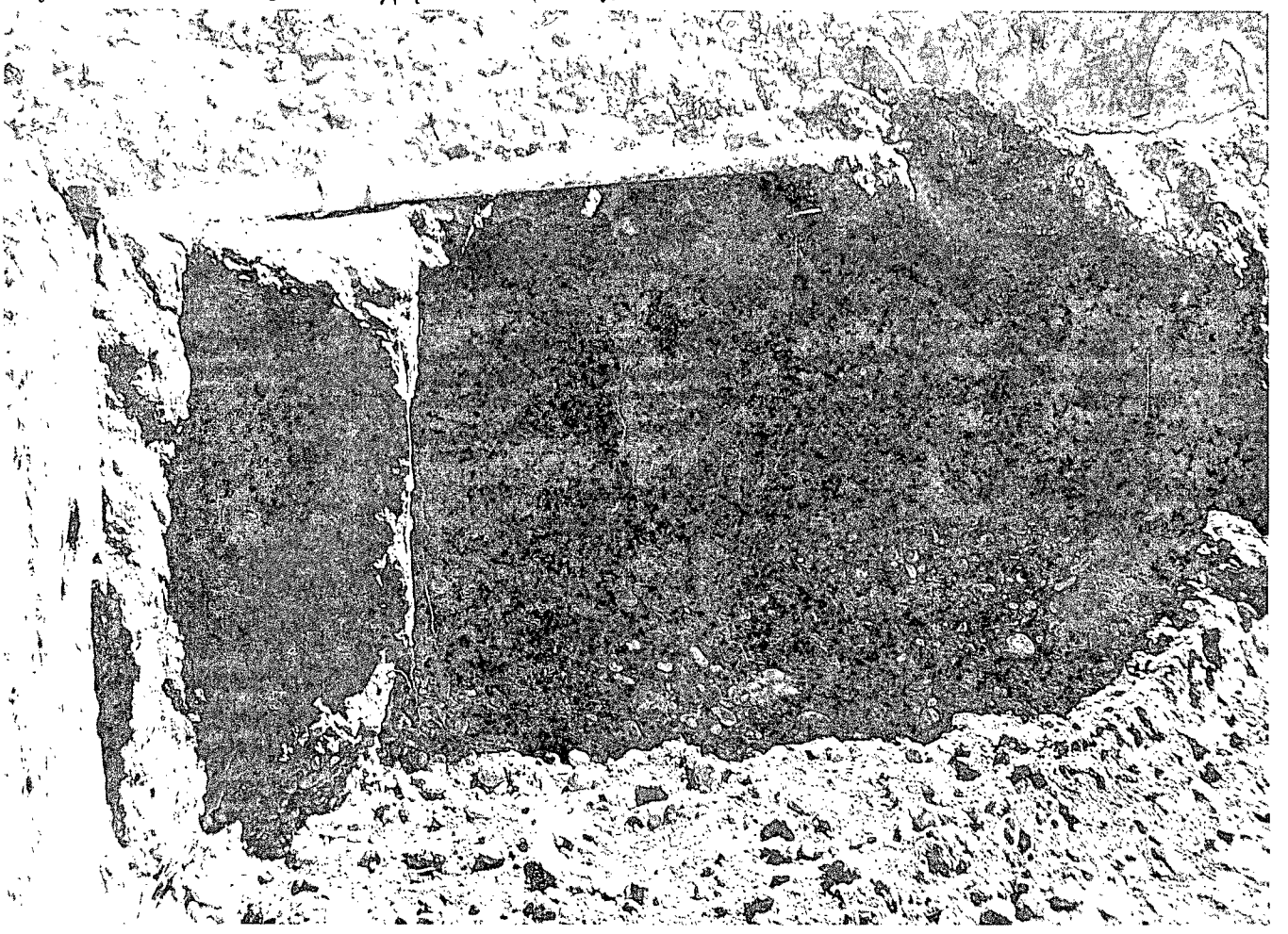

Photo by Ymes