District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company YATES PETROLEUM CORPORATION	OGRID Number 25575	Contact SHERRY BONHAM
Address 105 S 4TH STREET		Telephone No 505 748 1471
Facility Name MERLE STATE UNIT 3 ***IRP-1091***	API Number 30-025-37545	Facility Type WELL

Surface Owner STATE	Mineral Owner STATE	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	14	10S	34E	990	SOUTH	990	EAST	LEA

Latitude 33.44253 **Longitude** 103 42887

NATURE OF RELEASE

Type of Release CRUDE OIL	Volume of Release 10 B/O	Volume Recovered 8 B/O
Source of Release WATER TANK	Date and Hour of Occurrence 10/4/06 7.00 AM	Date and Hour of Discovery 10/4/06 7 00 AM
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken *
WELL TESTER (3 PHASE SEPARATOR) MALFUNCTIONED PUTTING OIL PRODUCTION TO WATER TANK REPAIRED

Describe Area Affected and Cleanup Action Taken.*
AN APPROXIMATE 25' X 25' AREA AFFECTED. VACUUMED STANDING FLUIDS EXCAVATED IMPACTED MATERIALS AND DISPOSED AT NMOCD APPROVED DISPOSAL FACILITY. CONFIRMATION SOIL SAMPLES OBTAINED FROM SIDE WALLS AND BOTTOM HOLE ON 4/23/07 SIDE WALLS SOIL ANALYSES BELOW NMOCD'S RRALS. BOTTOM HOLE ANALYSES ABOVE NMOCD'S RRALS (SEE ATTACHED SAMPLE POINT DIAGRAM AND SOIL ANALYTICAL REPORT) 7/3/2007· SITE RANKING CHANGED FROM 20 TO 10 BASED ON BOREHOLE DATA SUBMITTED TO NMOCD DISTRICT 1 ADDITIONAL EXCAVATION PERFORMED BOTTOM HOLE EXCAVATED MATERIALS HAULED TO DISPOSAL FACILITY. CONFIRMATION SOIL SAMPLES OBTAINED FROM BOTTOM HOLE ON JULY 10, 2007 AFTER REVIEW OF SOIL ANALYTICAL REPORT, NMOCD DISTRICT 1 CONCURS THAT SOIL ANALYSES COMPLIANT WITH NMOCD'S RRALS AND GRANTED PERMISSION TO BACKFILL. (SEE ATTACHED SAMPLE POINT DIAGRAM AND SOIL ANALYTICAL REPORT.) REMEDIATION AND BACKFILLING ACTIONS COMPLETE ***REQUESTING CLOSURE TO INCIDENT. FINAL REPORT.***
SITE RANKING 10

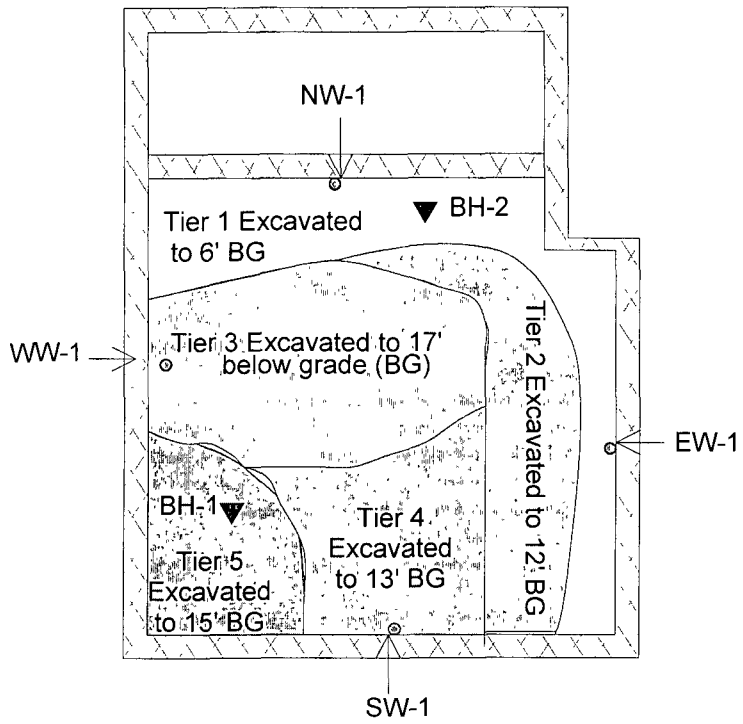
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations

Signature Printed Name Sherry Bonham	OIL CONSERVATION DIVISION Approved by District ~~Supervisor~~ ENVIRO ENGR
Title Environmental Regulatory Agent	Approval Date 9.6.07 Expiration Date —
E-mail Address sherryb@ypcnm.com Date· September 5, 2007 Phone. 505.748.1471	Conditions of Approval Attached ☐

Sample ID	Sample Date	Sample Type	Depth	Chlorides	BTEX	TPH (GRO)	TPH (DRO)	TPH (TOTAL)
NW-1 (North Side Wall)	4/23/2007	Grab	6' BG	228	Non-Detect	Non-Detect	15 1	15 1
WW-1 (West Side Wall)	4/23/2007	Grab	16' BG	16 8	Non-Detect	Non-Detect	Non-Detect	Non-Detect
SW-1 (South Side Wall)	4/23/2007	Grab	12' BG	12.1	Non-Detect	Non-Detect	Non-Detect	Non-Detect
EW-1(East Side Wall)	4/23/2007	Grab	6' BG	41.7	Non-Detect	Non-Detect	Non-Detect	Non-Detect
BH-1 (Bottom Hole 1)	4/23/2007	Grab	6' BG	20.4	1 4543	305	1524	1830
BH-2 (Bottom Hole 2)	4/23/2007	Grab	15' BG	19.7	Non-Detect	13.4	150.6	164

Site Ranking is 20.

Analytical testing performed at Environmental Lab of Texas All results are ppm.



YATES PETROLEUM CORPORATION	Merle State Unit 3	SAMPLE POINT DIAGRAM SAMPLE DATE: APRIL 23, 2007 (Not to Scale)
	Sec. 14 T10S R34E	
	Lea County, NM	

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Sherry Bonham

Yates Petroleum Corp.

105 S. Fourth St.

Artesia, NM 88210

Project: Merel State Unit 3

Project Number: None Given

Location: Lea County New Mexico

Lab Order Number: 7D24008

Report Date: 05/01/07

Yates Petroleum Corp	Project Merel State Unit 3	Fax (505) 748-4662
105 S Fourth St	Project Number None Given	
Artesia NM, 88210	Project Manager Sherry Bonham	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NW - 1	7D24008-01	Soil	04/23/07 10 32	04-24-2007 14 34
WW - 1	7D24008-02	Soil	04/23/07 10 42	04-24-2007 14 34
SW - 1	7D24008-03	Soil	04/23/07 10 51	04-24-2007 14 34
EW - 1	7D24008-04	Soil	04/23/07 11 00	04-24-2007 14 34
BH - 1	7D24008-05	Soil	04/23/07 11 07	04-24-2007 14 34
BH - 2	7D24008-06	Soil	04/23/07 11 16	04-24-2007 14 34

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Yates Petroleum Corp	Project Merel State Unit 3	Fax (505) 748-4662
105 S Fourth St	Project Number None Given	
Artesia NM, 88210	Project Manager Sherry Bonham	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NW - 1 (7D24008-01) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED72516	04/25/07	04/25/07	EPA 8021B	
Toluene	ND	0 00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0 00200	"	"	"	"	"	"	
Xylene (o)	ND	0 00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 4 %*	*75-125*		"	"	"	"	
Surrogate. 4-Bromofluorobenzene		*94 0 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72506	04/25/07	04/30/07	EPA 8015M	
Carbon Ranges C12-C28	**15.1**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbons	**15.1**	10 0	"	"	"	"	"	"	
Surrogate. 1-Chlorooctane		*79 8 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*97 6 %*	*70-130*		"	"	"	"	
WW - 1 (7D24008-02) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED72516	04/25/07	04/25/07	EPA 8021B	
Toluene	ND	0 00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0 00200	"	"	"	"	"	"	
Xylene (o)	ND	0 00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*108 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72506	04/25/07	04/30/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*85 4 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*99 2 %*	*70-130*		"	"	"	"	
SW - 1 (7D24008-03) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED72516	04/25/07	04/25/07	EPA 8021B	
Toluene	ND	0 00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0 00200	"	"	"	"	"	"	
Xylene (o)	ND	0 00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 8 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72506	04/25/07	04/30/07	EPA 8015M	

Yates Petroleum Corp	Project Merel State Unit 3	Fax (505) 748-4662
105 S Fourth St	Project Number None Given	
Artesia NM, 88210	Project Manager Sherry Bonham	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW - 1 (7D24008-03) Soil									
Carbon Ranges C12-C28	ND	10 0	mg/kg dry	1	ED72506	04/25/07	04/30/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10 0	"	"	"	"	"	"	
Surrogate. 1-Chlorooctane		*88 2 %*	*70-130*		"	"	"	"	
Surrogate. 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	
EW - 1 (7D24008-04) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED72516	04/25/07	04/25/07	EPA 8021B	
Toluene	ND	0 00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0 00200	"	"	"	"	"	"	
Xylene (o)	ND	0 00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*106 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*102 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10 0	"	"	"	"	"	"	
Surrogate. 1-Chlorooctane		*73.2 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*86 2 %*	*70-130*		"	"	"	"	
BH - 1 (7D24008-05) Soil									
Benzene	ND	0 0250	mg/kg dry	25	ED72516	04/25/07	04/25/07	EPA 8021B	
Toluene	**0.0713**	0 0250	"	"	"	"	"	"	
Ethylbenzene	**0.199**	0 0250	"	"	"	"	"	"	
Xylene (p/m)	**0.785**	0 0250	"	"	"	"	"	"	
Xylene (o)	**0.399**	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*121 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	**305**	10 0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	**1410**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**114**	10 0	"	"	"	"	"	"	
Total Hydrocarbons	**1830**	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*80 8 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*99 6 %*	*70-130*		"	"	"	"	

Yates Petroleum Corp	Project Merel State Unit 3	Fax (505) 748-4662
105 S Fourth St	Project Number None Given	
Artesia NM, 88210	Project Manager Sherry Bonham	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH - 2 (7D24008-06) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED72516	04/25/07	04/25/07	EPA 8021B	
Toluene	ND	0 00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0 00200	"	"	"	"	"	"	
Xylene (o)	ND	0 00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*95 0 %*	*75-125*		"	"	"	"	
Surrogate. 4-Bromofluorobenzene		*94.0 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	**13.4**	10 0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	**132**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**18.6**	10 0	"	"	"	"	"	"	
Total Hydrocarbons	**164**	10 0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*72 2 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*82.4 %*	*70-130*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Yates Petroleum Corp	Project Merel State Unit 3	Fax (505) 748-4662
105 S Fourth St	Project Number None Given	
Artesia NM, 88210	Project Manager Sherry Bonham	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NW - 1 (7D24008-01) Soil									
% Moisture	**9.2**	0.1	%	1	ED72602	04/25/07	04/25/07	% calculation	
WW - 1 (7D24008-02) Soil									
% Moisture	**5.1**	0.1	%	1	ED72602	04/25/07	04/25/07	% calculation	
SW - 1 (7D24008-03) Soil									
% Moisture	**7.3**	0.1	%	1	ED72602	04/25/07	04/25/07	% calculation	
EW - 1 (7D24008-04) Soil									
% Moisture	**2.9**	0.1	%	1	ED72602	04/25/07	04/25/07	% calculation	
BH - 1 (7D24008-05) Soil									
% Moisture	**2.7**	0.1	%	1	ED72602	04/25/07	04/25/07	% calculation	
BH - 2 (7D24008-06) Soil									
% Moisture	**9.5**	0.1	%	1	ED72602	04/25/07	04/25/07	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72506 - Solvent Extraction (GC)										
Blank (ED72506-BLK1)				Prepared 04/25/07 Analyzed 04/30/07						
Carbon Ranges C6-C12	ND	10 0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	"							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbons	ND	10 0	"							
Surrogate 1-Chlorooctane	*39 8*		*mg/kg*	*50 0*		*79 6*	*70-130*			
Surrogate 1-Chlorooctadecane	*46 7*		"	*50 0*		*93 4*	*70-130*			
LCS (ED72506-BS1)				Prepared 04/25/07 Analyzed 04/30/07						
Carbon Ranges C6-C12	588	10 0	mg/kg wet	500		118	75-125			
Carbon Ranges C12-C28	452	10 0	"	500		90 4	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbons	1040	10 0	"	1000		104	75-125			
Surrogate 1-Chlorooctane	*46 0*		*mg/kg*	*50 0*		*92 0*	*70-130*			
Surrogate 1-Chlorooctadecane	*47 2*		"	*50 0*		*94 4*	*70-130*			
Calibration Check (ED72506-CCV1)				Prepared 04/25/07 Analyzed 05/01/07						
Carbon Ranges C6-C12	209		mg/kg	250		83 6	80-120			
Carbon Ranges C12-C28	205		"	250		82 0	80-120			
Total Hydrocarbons	414		"	500		82 8	80-120			
Surrogate 1-Chlorooctane	*48 5*		"	*50 0*		*97 0*	*70-130*			
Surrogate 1-Chlorooctadecane	*57 0*		"	*50 0*		*114*	*70-130*			
Matrix Spike (ED72506-MS1)	**Source: 7D24002-02**			Prepared 04/25/07 Analyzed 04/30/07						
Carbon Ranges C6-C12	760	10 0	mg/kg dry	643	ND	118	75-125			
Carbon Ranges C12-C28	596	10 0	"	643	ND	92 7	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125			
Total Hydrocarbons	1360	10 0	"	1290	ND	105	75-125			
Surrogate 1-Chlorooctane	*43 0*		*mg/kg*	*50 0*		*86 0*	*70-130*			
Surrogate 1-Chlorooctadecane	*45 0*		"	*50 0*		*90 0*	*70-130*			

Yates Petroleum Corp
105 S Fourth St
Artesia NM, 88210

Project: Merel State Unit 3
Project Number: None Given
Project Manager: Sherry Bonham

Fax (505) 748-4662

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72506 - Solvent Extraction (GC)										
Matrix Spike Dup (ED72506-MSD1)	**Source: 7D24002-02**			Prepared 04/25/07 Analyzed 05/01/07						
Carbon Ranges C6-C12	755	10 0	mg/kg dry	643	ND	117	75-125	0 851	20	
Carbon Ranges C12-C28	586	10 0	"	643	ND	91 1	75-125	1 74	20	
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125		20	
Total Hydrocarbons	1340	10 0	"	1290	ND	104	75-125	0 957	20	
Surrogate 1-Chlorooctane	*43 3*		*mg/kg*	*50 0*		*86 6*	*70-130*			
Surrogate 1-Chlorooctadecane	*45 4*		*"*	*50 0*		*90 8*	*70-130*			
Batch ED72507 - Solvent Extraction (GC)										
Blank (ED72507-BLK1)				Prepared 04/25/07 Analyzed 05/01/07						
Carbon Ranges C6-C12	ND	10 0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	"							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbons	ND	10 0	"							
Surrogate 1-Chlorooctane	*40 3*		*mg/kg*	*50 0*		*80 6*	*70-130*			
Surrogate 1-Chlorooctadecane	*47 7*		*"*	*50 0*		*95 4*	*70-130*			
LCS (ED72507-BS1)				Prepared 04/25/07 Analyzed 05/01/07						
Carbon Ranges C6-C12	600	10 0	mg/kg wet	500		120	75-125			
Carbon Ranges C12-C28	471	10 0	"	500		94 2	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbons	1070	10 0	"	1000		107	75-125			
Surrogate 1-Chlorooctane	*46 1*		*mg/kg*	*50 0*		*92 2*	*70-130*			
Surrogate 1-Chlorooctadecane	*49 5*		*"*	*50 0*		*99 0*	*70-130*			
Calibration Check (ED72507-CCV1)				Prepared 04/25/07 Analyzed 05/01/07						
Carbon Ranges C6-C12	211		mg/kg	250		84 4	80-120			
Carbon Ranges C12-C28	207		"	250		82 8	80-120			
Total Hydrocarbons	418		"	500		83 6	80-120			
Surrogate 1-Chlorooctane	*49 6*		*"*	*50 0*		*99 2*	*70-130*			
Surrogate 1-Chlorooctadecane	*57 8*		*"*	*50 0*		*116*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72507 - Solvent Extraction (GC)										
Matrix Spike (ED72507-MS1)	**Source: 7D24008-04**			Prepared 04/25/07 Analyzed 05/01/07						
Carbon Ranges C6-C12	636	10 0	mg/kg dry	515	ND	123	75-125			
Carbon Ranges C12-C28	538	10 0	"	515	ND	104	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125			
Total Hydrocarbons	1170	10 0	"	1030	ND	114	75-125			
Surrogate 1-Chlorooctane	*64 0*		*mg/kg*	*50 0*		*128*	*70-130*			
Surrogate 1-Chlorooctadecane	*58 0*		"	*50 0*		*116*	*70-130*			
Matrix Spike Dup (ED72507-MSD1)	**Source: 7D24008-04**			Prepared 04/25/07 Analyzed 05/01/07						
Carbon Ranges C6-C12	641	10 0	mg/kg dry	515	ND	124	75-125	0 810	20	
Carbon Ranges C12-C28	529	10 0	"	515	ND	103	75-125	0 966	20	
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125		20	
Total Hydrocarbons	1170	10 0	"	1030	ND	114	75-125	0 00	20	
Surrogate 1-Chlorooctane	*61 4*		*mg/kg*	*50 0*		*123*	*70-130*			
Surrogate 1-Chlorooctadecane	*52 0*		"	*50 0*		*104*	*70-130*			
Batch ED72516 - EPA 5030C (GC)										
Blank (ED72516-BLK1)				Prepared & Analyzed 04/25/07						
Benzene	ND	0 00100	mg/kg wet							
Toluene	ND	0 00100	"							
Ethylbenzene	ND	0 00100	"							
Xylene (p/m)	ND	0 00100	"							
Xylene (o)	ND	0 00100	"							
Surrogate a,a,a-Trifluorotoluene	*58 7*		*ug/kg*	*50 0*		*117*	*75-125*			
Surrogate 4-Bromofluorobenzene	*57 5*		"	*50 0*		*115*	*75-125*			
LCS (ED72516-BS1)				Prepared & Analyzed 04/25/07						
Benzene	0 0547	0 00100	mg/kg wet	0 0500		109	80-120			
Toluene	0 0575	0 00100	"	0 0500		115	80-120			
Ethylbenzene	0 0600	0 00100	"	0 0500		120	80-120			
Xylene (p/m)	0 112	0 00100	"	0 100		112	80-120			
Xylene (o)	0 0595	0 00100	"	0 0500		119	80-120			
Surrogate a,a,a-Trifluorotoluene	*55 9*		*ug/kg*	*50 0*		*112*	*75-125*			
Surrogate 4-Bromofluorobenzene	*59 8*		"	*50 0*		*120*	*75-125*			

Yates Petroleum Corp
105 S Fourth St
Artesia NM, 88210

Project: Merel State Unit 3
Project Number: None Given
Project Manager: Sherry Bonham

Fax (505) 748-4662

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72516 - EPA 5030C (GC)										
Calibration Check (ED72516-CCV1)				Prepared 04/25/07 Analyzed 04/26/07						
Benzene	60 1		ug/kg	50 0		120	80-120			
Toluene	59 7		"	50 0		119	80-120			
Ethylbenzene	57 6		"	50 0		115	80-120			
Xylene (p/m)	112		"	100		112	80-120			
Xylene (o)	59 2		"	50 0		118	80-120			
Surrogate a,a,a-Trifluorotoluene	*59 3*		"	*50 0*		*119*	*75-125*			
Surrogate 4-Bromofluorobenzene	*57 7*		"	*50 0*		*115*	*75-125*			
Matrix Spike (ED72516-MS1)	**Source: 7D24002-01**			Prepared 04/25/07 Analyzed 04/26/07						
Benzene	0 109	0 00200	mg/kg dry	0 107	ND	102	80-120			
Toluene	0 110	0 00200	"	0 107	ND	103	80-120			
Ethylbenzene	0 113	0 00200	"	0 107	ND	106	80-120			
Xylene (p/m)	0 206	0 00200	"	0 213	ND	96 7	80-120			
Xylene (o)	0 112	0 00200	"	0 107	ND	105	80-120			
Surrogate a,a,a-Trifluorotoluene	*50 1*		*ug/kg*	*50 0*		*100*	*75-125*			
Surrogate 4-Bromofluorobenzene	*51 3*		"	*50 0*		*103*	*75-125*			
Matrix Spike Dup (ED72516-MSD1)	**Source: 7D24002-01**			Prepared 04/25/07 Analyzed 04/26/07						
Benzene	0 107	0 00200	mg/kg dry	0 107	ND	100	80-120	1 98	20	
Toluene	0 108	0 00200	"	0 107	ND	101	80-120	1 96	20	
Ethylbenzene	0 113	0 00200	"	0 107	ND	106	80-120	0 00	20	
Xylene (p/m)	0 205	0 00200	"	0 213	ND	96 2	80-120	0 518	20	
Xylene (o)	0 112	0 00200	"	0 107	ND	105	80-120	0 00	20	
Surrogate a,a,a-Trifluorotoluene	*48 9*		*ug/kg*	*50 0*		*97 8*	*75-125*			
Surrogate 4-Bromofluorobenzene	*51 7*		"	*50 0*		*103*	*75-125*			

Yates Petroleum Corp	Project Merel State Unit 3	Fax (505) 748-4662
105 S Fourth St	Project Number None Given	
Artesia NM, 88210	Project Manager Sherry Bonham	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72602 - General Preparation (Prep)										
Blank (ED72602-BLK1)				Prepared & Analyzed 04/25/07						
% Solids	99 7		%							
Duplicate (ED72602-DUP1)		**Source: 7D24008-01**		Prepared & Analyzed 04/25/07						
% Solids	91 2		%		90 8			0 440	20	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Yates Petroleum Corp.	Project Merel State Unit 3	Fax (505) 748-4662
105 S Fourth St	Project Number None Given	
Artesia NM, 88210	Project Manager. Sherry Bonham	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Celey D. Keene Date: 5/1/2007

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg Tech Director
La Tasha Cornish, Chemist
Sandra Sanchez, Lab Tech

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: EB TAYLOR | Project Name: MEREL UNIT #3

Company Name: TALONLPE | Project #: YATESP027SPL2

Company Address: 318 E TAYLOR | Project Loc: LEA COUNTY NEW MEXICO

City/State/Zip: HOBBS NEW MEXICO 88240 | PO #:

Telephone No.: 432-238-6388 | Fax No: | Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Eb T | e-mail: [illegible]

(lab use only)

ORDER #: 7D24068

LAB # (lab use only)	FIELD CODE (281462)	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: TPH 418.1 8015M	TPH: TX 1005 TX 1006	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	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	NW-1			4/23/2007	10:32		1	X								S	x							x				X
02	WW-1			4/23/2007	10:42		1	X								S	X							X				X
03	SW-1			4/23/2007	10:51		1	X								S	X							X				X
04	EW-1			4/23/2007	11:00		1	X								S	X							X				X
05	BH-1			4/23/2007	11:07		1	X								S	X							X				X
06	BH-2			4/23/2007	11.16		1	X								S	X							X				X
																												X

Special Instructions:

Relinquished by	Date	Time	Received by:	Date	Time
Eb T	4/24/07	10:34	[signature]	4-24-07	10:34
[signature]	4-24-07	2:34	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Andrea Lam	4-24-07	2:34

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 by Sampler/Client Rep. ?	Y N
by Courier? UPS DHL FedEx Lone Star	
4029 1755	
Temperature Upon Receipt: 5.0 °C	

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: EB TAYLOR
Company Name: TALONLPE
Company Address: 318 E TAYLOR
City/State/Zip: HOBBS NEW MEXICO 88240
Telephone No: 432-238-6388 Fax No:
Sampler Signature: Eb Taylor e-mail:

Project Name: MEREL UNIT #3
Project #: YATESP027SPL2
Project Loc: LEA COUNTY NEW MEXICO
PO #:
Report Format: ☒ 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	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 418.1 8015M 80158	TPH: TX 1005 TX 1006	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	Other: DES			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
	NW-1			4/23/2007	10.32			X								S												X				X
	WW-1			4/23/2007	10.42			X								S												X				X
	SW-1			4/23/2007	10:51			X								S												X				X
	EW-1			4/23/2007	11.00			X								S												X				X
	BH-1			4/23/2007	11:07			X								S												X				X
	BH-2			4/23/2007	11:16			X								S												X				X

Special Instructions:

	Date	Time		Date	Time
Relinquished by: Eb Taylor	4/24/07	10:34	Received by:	4-24-07	10:34
Relinquished by:	4-24-07	2:34	Received by:		
Relinquished by:			Received by ELOT: Andrea Sa	4-24-07	2:14

Laboratory Comments:

Sample Containers Intact?	N
VOCs Free of Headspace?	N/A
Labels on container(s)	N
Custody seals on container(s)	N
Custody seals on cooler(s)	(N)
Sample Hand Delivered by Sampler/Client Rep.?	N
by Courier? UPS DHL FedEx Lone Star	N

4 oz glass
Temperature Upon Receipt: 5.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Talon LPE

Date/ Time: 4-24-07 2:34

Lab ID #: 7D24008

Initials: GL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	5.0 °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: _____

Corrective Action Taken:

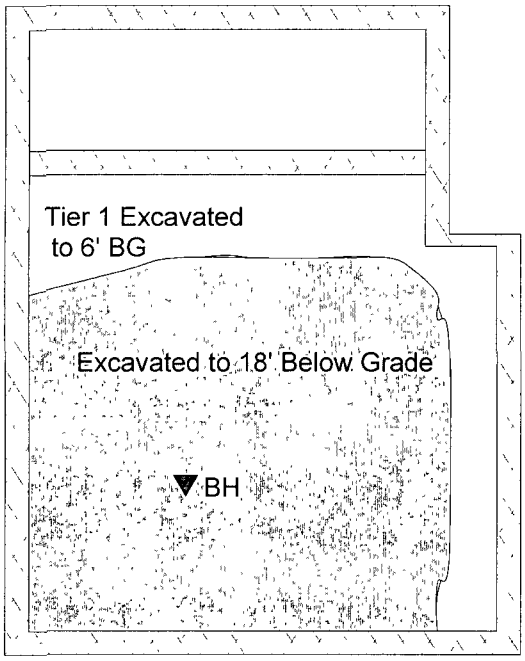
Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Sample ID	Sample Date	Sample Type	Depth	BTEX	TPH (GRO)	TPH (DRO)	TPH (TOTAL)
BH (Bottom Hole	7/10/2007	Grab	18' BG	Non-Detect	Non-Detect	Non-Detect	Non-Detect

Site Ranking is Ten (10).

Analytical testing performed at Environmental Lab of Texas All results are ppm



YATES PETROLEUM CORPORATION

Merle State Unit 3

Sec. 14 T10S R34E

Lea County, NM

SAMPLE POINT DIAGRAM
SAMPLE DATE: July 10, 2007
(Not to Scale)

Analytical Report 285829

for

Talon LPE

Project Manager: Eb Taylor

Merle Unit #3

YatesP027SPL2

13-JUL-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

NELAC certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

13-JUL-07

Project Manager: **Eb Taylor**
Talon LPE
318 E. Taylor
Hobbs, NM 88240

Reference: XENCO Report No: **285829**
Merle Unit #3
Project Address: Lea County New Mexico

Eb Taylor:

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 285829. 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. 285829 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
Odessa Laboratory Director

Certificate of Analysis Summary 285829

Talon LPE, Hobbs, NM

Project Name: Merle Unit #3

Project Id: YatesP027SPL2
Contact: Eb Taylor
Project Location: Lea County New Mexico

Date Received in Lab: Thu Jul-12-07 10:18 am
Report Date: 13-JUL-07
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	285829-001					
	Field Id:	BH					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Jul-10-07 11 55					
BTEX by EPA 8021B	*Extracted:*	Jul-12-07 18.19					
	Analyzed:	Jul-13-07 09 52					
	Units/RL:	mg/kg RL					
Benzene		ND 0 0024					
Toluene		ND 0 0024					
Ethylbenzene		ND 0 0024					
m,p-Xylene		ND 0 0047					
o-Xylene		ND 0 0024					
Total Xylenes		ND					
Total BTEX		ND					
Percent Moisture	*Extracted:*						
	Analyzed:	Jul-12-07 17 25					
	Units/RL:	% RL					
Percent Moisture		15 2					
TPH by SW 8015B	*Extracted:*	Jul-12-07 12 24					
	Analyzed:	Jul-12-07 23 59					
	Units/RL:	mg/kg RL					
C6-C10 Gasoline Range Hydrocarbons		ND 11 8					
C10-C28 Diesel Range Hydrocarbons		ND 11 8					

Brent Barron
Odessa Laboratory Director

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.

Form 2 - Surrogate Recoveries

Project Name: Merle Unit #3

Work Order #: 285829 **Project ID:** YatesP027SPL2

Lab Batch #: 700251 **Sample:** 285829-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0397	0.0500	79	75-125	

Lab Batch #: 700251 **Sample:** 285829-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0424	0 0500	85	75-125	

Lab Batch #: 700251 **Sample:** 285829-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0408	0 0500	82	75-125	

Lab Batch #: 700251 **Sample:** 497154-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0435	0.0500	87	80-120	

Lab Batch #: 700251 **Sample:** 497154-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0444	0 0500	89	80-120	

** 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: Merle Unit #3

Work Order #: 285829 **Project ID:** YatesP027SPL2

Lab Batch #: 700263 **Sample:** 285803-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	42.4	50 0	85	70-135	
1-Chlorooctane	70 0	50 0	140	70-135	*

Lab Batch #: 700263 **Sample:** 285803-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	48.0	50 0	96	70-135	
1-Chlorooctane	76.5	50 0	153	70-135	*

Lab Batch #: 700263 **Sample:** 285829-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	44 1	50.0	88	70-135	
1-Chlorooctane	39 8	50.0	80	70-135	

Lab Batch #: 700263 **Sample:** 497005-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	34.0	50.0	68	70-135	*
1-Chlorooctane	37.4	50.0	75	70-135	

Lab Batch #: 700263 **Sample:** 497005-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW 8015B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	39.9	50 0	80	70-135	
1-Chlorooctane	36.6	50 0	73	70-135	

** 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.

Blank Spike Recovery

Project Name: Merle Unit #3

Work Order #: 285829 **Project ID:** YatesP027SPL2

Lab Batch #: 700251 **Sample:** 497154-1-BKS **Matrix:** Solid
Date Analyzed: 07/12/2007 **Date Prepared:** 07/12/2007 **Analyst:** CELKEE
Reporting Units: mg/kg **Batch #:** 1

BTEX by EPA 8021B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
		BLANK /BLANK SPIKE RECOVERY STUDY				
Benzene	ND	0 0500	0 0403	81	70-130	
Toluene	ND	0.0500	0 0422	84	70-130	
Ethylbenzene	ND	0.0500	0.0468	94	71-129	
m,p-Xylene	ND	0.1000	0.0840	84	70-135	
o-Xylene	ND	0.0500	0 0452	90	71-133	

Lab Batch #: 700263 **Sample:** 497005-1-BKS **Matrix:** Solid
Date Analyzed: 07/12/2007 **Date Prepared:** 07/12/2007 **Analyst:** SHE
Reporting Units: mg/kg **Batch #:** 1

TPH by SW 8015B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
		BLANK /BLANK SPIKE RECOVERY STUDY				
C6-C10 Gasoline Range Hydrocarbons	ND	500	481	96	70-135	
C10-C28 Diesel Range Hydrocarbons	ND	500	387	77	70-135	

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

Form 3 - MS / MSD Recoveries

Project Name: Merle Unit #3

Work Order # : 285829 **Project ID:** YatesP027SPL2

Lab Batch ID: 700251 **QC- Sample ID:** 285829-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/13/2007 **Date Prepared:** 07/12/2007 **Analyst:** CELKEE

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	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
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Benzene	ND	0.1179	0 0964	82	0.1179	0 0957	81	1	70-130	35	
Toluene	ND	0 1179	0 1005	85	0.1179	0.1008	85	0	70-130	35	
Ethylbenzene	ND	0.1179	0 1084	92	0 1179	0 1064	90	2	71-129	35	
m,p-Xylene	ND	0.2358	0.1946	83	0.2358	0 1891	80	4	70-135	35	
o-Xylene	ND	0.1179	0.1066	90	0.1179	0.1026	87	3	71-133	35	

Lab Batch ID: 700263 **QC- Sample ID:** 285803-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/13/2007 **Date Prepared:** 07/12/2007 **Analyst:** SHE

Reporting Units: mg/kg

TPH by SW 8015B Analytes	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
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
C6-C10 Gasoline Range Hydrocarbons	776	552	1450	122	552	1470	126	3	70-135	35	
C10-C28 Diesel Range Hydrocarbons	766	552	1350	106	552	1470	128	19	70-135	35	

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

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: Merle Unit #3

Work Order #: 285829

Lab Batch #: 700244 **Project ID:** YatesP027SPL2

Date Analyzed: 07/12/2007 **Date Prepared:** 07/12/2007 **Analyst:** JLG

QC- Sample ID: 285822-010 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	9.91	10 2	3	20	

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

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax 432-563-1713

Project Manager: EB TAYLOR
Company Name: TALONLPE
Company Address: 318 E TAYLOR
City/State/Zip: HOBBS NEW MEXICO 88240
Telephone No: 432-238-6388 Fax No:
Sampler Signature: EB Taylor e-mail: [illegible]

Project Name: MERLE UNIT #3
Project #: YATESP027SPL2
Project Loc: LEA COUNTY NEW MEXICO
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 285829

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 So=Soil/Sed	NP=Non Potable Specify Other	Analyze For: TCLP 8015M	TOTAL 8015M	TPH 418.1	TPH TX 1005	TPH TX 1006	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	RUSH TAT (Pre-Schedule) (24, 48, 72 hrs)	Standard TAT
701	BH			7/10/2007	11 55			X									S		X											X				X	

Special Instructions: BILL TO TALON

Relinquished by	Date	Time	Received by	Date	Time
[signature]	7/12/07	6:00			
Relinquished by	Date	Time	Received by	Date	Time
			[signature]	07/12/07	16:-
Relinquished by	Date	Time	Received by ELOT	Date	Time
			Andrea Sam	7-12-07	1078

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 by Sampler/Client Rep.?	Y	N

by Courier? UPS DHL FedEx Lone Star
1229755
Temperature Upon Receipt: 3.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Talon

Date/ Time: 7.12.07 10:18

Lab ID #: 285829

Initials: GL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	3.5 °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: _____

Corrective Action Taken: _____

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