MARTIN YATES, III

FRANK W. YATES

5.P. YATES



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118 TELEPHONE (575) 748-1471 JOHN A. YATES CHAIRMAN OF THE BOARD PRESIDENT

DAVID LANNING CHIEF OPERATING OFFICER

JAN 06 2009 OCD-ARTESIA

Released to Imaging: 4/10/2023 8:35:13 AM

January 6, 2009

Mr. Mike Bratcher NMOCD District II 1301 West Grand Artesia, NM 88210

Re: Saguaro Water Transfer 30-015-20396 Section 23, T20S-R24E Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on December 14, 2008, (50 B/PW with 40 B/PW recovered). Samples were taken on December 29, 2008 (witnessed by Sherry Bonham/NMOCD) and sent to an OCD approved laboratory, analytical reports (chlorides are for reference) and sample diagram enclosed. Grab/composite sample points designated GS/Comp-003 were at a depth of one (1) foot, because of a rock layer below the sub-surface (deeper delineation was not possible). Site ranking is zero (0), with the depth to ground water >100' (approximately 268'). RRAL's based on the site ranking of 0, BTEX (ppm) @ 50 and TPH (ppm) @ 5000, sample results are within these limits. Based on produced water recovered and sample results, Yates Petroleum Corporation requests closure. When final approval is granted Yates will have a contractor line the excavation area as previously discussed per 12/9/2008 e-mail(s).

If you have any questions, please call me at 505-748-4217.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher Environmental Regulatory Agent

/rca Enclosure(s)

Sistrict I	
\$625 N. French Dr., Hol	obs, NM 88240
District II	
1301 W. Grand Avenue,	Artesia, NM 88210
District III	
1000 Rio Brazos Road, A	Aztec, NM 87410
District IV	
1220 S. St. Francis Dr.,	Santa Fe, NM 87505

2

State of New Mexico Energy Minerals and Natural Resources

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

JAN 06 2009

Form C-141 Revised October 10, 2003

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

Release Notification and Corrective Action

				OPERATOR				L	Initia	l Report	\boxtimes	Final P	33
Name of Co	mpany			OGRID Nun	nber	Contact						ζ	12-
Yates Petrol	leum Corp	oration		25575		Robert Ashe	er						
Address		· · · · · · · · · · · · · · · · · · ·				Telephone N	lo.						
104 S. 4 TH S	Street					575-748-14	71						
Facility Nar	ne			API Number		Facility Typ	e						
Saguaro Wa		èr		30-015-2039	6	Battery							
									····				
Surface Ow	ner			Mineral C)wner				Lease N	√o.			
Federal Federal								NM-84	608				
LOCATION OF RELEASE													
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line	Feet from the	East/W	est Line	County			
F	23	205	24Ē							Eddy			

Latitude 32.57531 Longitude 104.57860

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered				
Produced Water	50 B/PW	40 B/PW				
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery				
Gun Barrel	12/14/2008- PM	12/14/2008 - PM				
Was Immediate Notice Given?	If YES, To Whom?					
🛛 Yes 🗌 No 🗌 Not Required	Mike Bratcher, OCD, District II					
By Whom?	Date and Hour	10				
Robert Asher, Yates Petroleum Corporation	12/15/2008: PM (Voicemail and e-					
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.				
Yes No	N/A					
If a Watercourse was Impacted, Describe Fully.* N/A						
Describe Cause of Problem and Remedial Action Taken.*						
High winds broke water leg on gun barrel causing release. Vacuum truck	called.					
Describe Area Affected and Cleanup Action Taken.*	······································					
An approximate area of 75' X 50'. Vacuum truck picked up remaining pr	oduced water, crew repaired water le	g Vertical and horizontal delineation				
samples will be taken and analysis ran for TPH & BTEX. If initial analyt						
submitted to the OCD requesting closure. If the analytical results are abo	ve the RRAL a work plan will be subi	mitted to the OCD. Depth to Ground				
Water: >100' (approx. 268', per NM Office of the State Engineer), W	ellhead Protection Area: No, Distan	ice to Surface Water Body: >1000', SITE				
RANKING IS 0. Based on analytical results (enclosed), Yates Petrole	um Corporation requests closure.					
I hereby certify that the information given above is true and complete to the	he best of my knowledge and understa	and that pursuant to NMOCD rules and				
regulations all operators are required to report and/or file certain release n	otifications and perform corrective ac	tions for releases which may endanger				
public health or the environment. The acceptance of a C-141 report by the	e NMOCD marked as "Final Report"	does not relieve the operator of liability				
should their operations have failed to adequately investigate and remediat	e contamination that pose a threat to g	ground water, surface water, human health				
or the environment. In addition, NMOCD acceptance of a C-141 report d	oes not relieve the operator of respons	sibility for compliance with any other				
federal, state, or local laws and/or regulations.	OU CONGEDI					
	UIL CONSERV	VATION DIVISION				
Signature:						
	Annual by District Symomylacu	A GA TAL CAR				
Printed Name: Robert Asher	Approved by District Supervisor:	Ashley Maxwell				
*	4/40/0000					
Title: Environmental Regulatory Agent	Approval Date: 4/10/2023	Expiration Date:				
E meil Address; habe@vnenm.com	Conditions of Approval:	· · · · · · · · · · · · · · · · · · ·				
E-mail Address: boba@ypcnm.com	conditions of Approval.	Attached				
Date: Tuesday, January 06, 2009 Phone: 575-748-4217						
Attach Additional Sheets If Necessary						
Ke						

District 1 1625 N. French District II 1301 W. Grund						New Mex and Natur	cico al Resources			Ŕ		Form C-141 clober 10, 2003
District III 1000 Rio Brazo District IV 1220 S. St. Fran	is Rond, Azter	c, NM 87410		1220	South	rvation Di h St. France, NM 87:	cis Dr.			Submit 2 District v	Copies Office /ith Rul	to appropriate in accordance e 116 on back side of form
			Rele				orrective A	ction	· · · · · · · · · · · · · · · · · · ·			
NSEBOS	836151	238		O	PERA	TOR		C	🛛 Initia	l Report		Final Report
Name of Co	ompany	-		OGRID Nun	nber	Contact						
Yates Petro Address	leum Corp	oratior.		25575	<u> </u> -	Robert Ash Telephone	Contraction of the second seco					
104 S. 4 TH	and the second se					575-748-14	71					
Facility Nat Saguaro Wi		er		API Number 30-015-2039		Facility Ty Battery	pe					•
Surface Owner Mineral Owner Federal Federal)wner				Lease NM-84				
				LOCA	TIO	N OF RE	LEASE					
Unit Letter F	Section 23	Township 20S	Range 24E	Feet from the	North	/South Line	Feet from the	East/W	/est Line	County Eddy		
	15	20	J.L	Latitude <u>32</u> ,	<u>57531</u>	Longitud	e <u>104.57860</u>			••••••••••••••••••••••••••••••••••••••		**************************************
				NAT	URE	OF REL			•			
	Type of Release Produced Water			Volume of 50 B/PW	r Release		Volume H 40 B/PW	Recovered				
Source of Re Gun Barrel	and the second se					Date and I 12/14/200	Jour of Occurrence 8- PM	20	Date and Hour of Discovery 12/14/2008 - PM			
Was Immedia	ule Notice C	ilven?	Ycs 🗖	No 🗌 Not Ro	equired	If YES, To Mike Brate	o Whom? cher, OCD, Distri	ict II				
By Whom? Robert Asher	Vates Petr	oleum Corror	ntion			Date and H	lour 8: PM (Voicemail	and c-m	ail)			
Was a Water		hed?				If YES, Vo	olume Impacting					
If a Watercou N/A	irse was Imp		Yes 🛛 be Fully.*		*****	<u>N/A</u>						
Describe Cau High winds b	se of Proble roke water l	em and Remed	lial Action rel causin	Taken.* g release. Vacuu	m truck	called						
samples will submitted to t Water: >100 RANKING I	ate area of 7 be taken and the OCD rec ' (approx. 2 'S 0.	5' X 50'. Va l analysis ran lucsting closu 268', per NM	cuum truch for TPH & re. If the : Office of	k picked up remai BTEX. If initia malytical results the State Engine	l analyti are abov ær), Wi	ical results fo ve the RRAL ellhead Proto	r, crew repaired w r TPH & BTEX a a work plan will petion Area: No,	ure under be submi Distance	RRAL's a tted to the 10 Surfac	Final Repo OCD, Dej e Water B	ort, C-14 oth ta G ody: >1	41 will be fround 1000', SITE
regulations all public health should their o	l operators a or the enviro perations ha ment. In ad	re required to onment. The source failed to as Idition, NMO	report and acceptance dequately CD accept	d/or file certain re of a C-141 report investigate and re	elease no rt by the emediate	otifications and NMOCD main contaminations and relieved to the second se	knowledge and u ad perform correc arked as "Final Re on that pose a thre e the operator of r	tive action eport" do ent to gro responsib	es for rele es not reli und water, ility for co	ases which eve the open , surface way ompliance w	may en rator of iter, hur ith any	danger liability nun health
1	γ .	\cap				Accept	echter factor	ERV/	ATION	DIVISIC	<u>N</u>	
Signature:	· Pohert Acl					-	IMOCD District Supervise	or:	Fina	d G 141 subm	itted with	completed <u>and</u> h confirmation n or before the
Title: Environ						Approval Date	;	E)ate: QZ	3-0	1-09
E-mail Addres						Conditions of	Ann.uval:					·
Date: Tuesday Attach Additi			the second s	e: 575-748-4217			ATTACHED PULATIONS	-		Attached 2Rf	22	84
	1711#1 P11060	- 42 11 4448 94	.,		samples	ours prior to where analys i to OCD	es	۰	}			

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Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TPH TOTAL	Chlorides*
GS/Comp-001	12/29/2008	Grab/Composite	1'	2.762	126	166	292	838
GS/Comp-002	12/29/2008	Grab/Composite	2'	10.361	789	686	1475	681
CS/Comp-003	12/29/2008	Grab/Composite	1'	0.426	35.3	194	229.3	792

Site Ranking is Zero (0). Depth to Ground Water >100' (approx.268'). All results are ppm.

* Results for Chlorides are for reference purposes.



2:11

Received by OCD: 4/3/2023

Saguaro Water Transfer

Section 23, T20S-R24E

Eddy County, NM

Sample Diagram (Not to Scale)

Prepared by Robert Asher Environmental Regulatory Agent January 6, 2009 Report Date: January 6, 2009 30-015-20396

Work Order: 8123017 Saguaro Water Transfer Page Number: 1 of 2 Eddy County, NM

Summary Report

Robert Asher Yates Petroleum Corp. 105 South 4th South Artesia, NM 88210

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Report Date: January 6, 2009

Work Order: 8123017

Project Location:	Eddy County, NM
Project Name:	Saguaro Water Transfer
Project Number:	30-015-20396

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
183761	GS/Comp-001	soil	2008-12-29	10:13	2008-12-30
183762	GS/Comp-002	soil	2008-12-29	10:39	2008-12-30
183763	GS/Comp-003	soil	2008-12-29	10:55	2008-12-30

	BTEX				TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
183761 - GS/Comp-001	0.152	0.332	0.558	1.72	166	126
183762 - GS/Comp-002	0.210	0.441	1.83	7.88	686	789
183763 - GS/Comp-003	0.0162	0.0258	0.0808	0.303	194	35.3

Sample: 183761 - GS/Comp-001

Param	Flag	Result	Units	RL
Chloride		838	mg/Kg	4.00

Sample: 183762 - GS/Comp-002

Param	Flag	Result	\mathbf{Units}	RL
Chloride		681	mg/Kg	4.00

Sample: 183763 - GS/Comp-003

continued ...

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296 This is only a summary. Please, refer to the complete report package for quality control data. Released to Imaging: 4/10/2023 8:35:13 AM

sample 183763 continued ...

Param	Flag	Result	Units	RL
Param	Flag	Result	Units	RL
Chloride		792	mg/Kg	4.00

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296 This is only a summary. Please, refer to the complete report package for quality control data. MANULAN TRACEANALYSIS, INC.

 6701 Aberdeen Avenue, Suite 9
 L

 200 East Sunset Road, Suite E
 E

 5002 Basin Street, Suite A1
 M

 6015 Harris Parkway, Suite 110
 Ft

Lublock, Texas 79424 = 500+ 378+1296 Ei Paso, Texas 79922 = 888+588+3443 Midland Texas 79703 Ft Worth Texas 76132 E-Muil Tab@#raceanalysis.com

800+ 378+1295 806+784+1295 888+588+3443 915+583+3443 432+669+6301 817+201+5269

5 FAX 806 • 794 • 1298 8 FAX 915 • 585 • 4944 9 FAX 432 • 689 • 6313

WBENC: 237019

HUB:1752439743100-86536NCTRCAWFWB38444Y0909

Certifications

DBE: VN 20657

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 El Paso: T104704221-08-TX LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

Robert Asher Yates Petroleum Corp. 105 South 4th South Artesia, NM, 88210

Report Date: January 6, 2009

Work Order: 8123017

Project Location:Eddy County, NMProject Name:Saguaro Water TransferProject Number:30-015-20396

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
183761	GS/Comp-001	soil	2008-12-29	10:13	2008-12-30
183762	GS/Comp-002	soil	2008-12-29	10:39	2008-12-30
183763	GS/Comp-003	soil	2008-12-29	10:55	2008-12-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

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Dr. Blair Leftwich, Director

Released to Imaging: 4/10/2023 8:35:13 AM

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Case Narrative

Samples for project Saguaro Water Transfer were received by TraceAnalysis, Inc. on 2008-12-30 and assigned to work order 8123017. Samples for work order 8123017 were received intact at a temperature of 2.3 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Chloride (Titration)	SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8123017 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Received by OCD: 4/3/2023 2:11:40 PM

Page 3 of 6

Report Date: January 6, 2009 30-015-20396

Work Order: 8123017 Saguaro Water Transfer

Analytical Report

Sample: 183761 - GS/Comp-001

Laboratory: Analysis: QC Batch: Prep Batch:	Midland Chloride (Titration) 55711 47600	Analytical Method: Date Analyzed: Sample Preparation:	SM 4500-Cl B 2009-01-05 2009-01-02	Prep Method: Analyzed By: Prepared By:	N/A AR AR
		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		838 1	mg/Kg	50	4.00
Sample: 18	3762 - GS/Comp-002				
Laboratory:	Midland				

Analysis: QC Batch: Prep Batch:	Chloride (Titration) 55711 47600	Analytical Method: Date Analyzed: Sample Preparation:	SM 4500-Cl B 2009-01-05 2009-01-02	Prep Method: Analyzed By: Prepared By:	AR
		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		681	mg/Kg	50	4.00

Sample: 183763 - GS/Comp-003

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	•
QC Batch:	55711	Date Analyzed:	2009-01-05	Analyzed By:	AR
Prep Batch:	47600	Sample Preparation:	2009-01-02	Prepared By:	AR
-					
		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		792	ng/Kg	50	4.00

Method Blank (1) QC Batch: 55711

QC Batch: 55711 Prep Batch: 47600		Date Analyzed: 2009-01-05 QC Preparation: 2009-01-02		Analyzed By: Prepared By:	
		MDL			
Parameter	Flag	Result	Units		RL
Chloride		<2.01	mg/Kg		4

Report Date: January 6, 30-015-20396	2009	ç	Pa	age Numb Eddy Cou					
Laboratory Control S _I	pike (LCS-1)								
QC Batch: 55711 Prep Batch: 47600		Date An QC Prep	•	2009-01-0 2009-01-0				nalyzed B repared B	
Param	LC Res		Units	Dil.	Spike Amount		trix sult	Rec.	Rec. Limit
Chloride	98	.6 r	ng/Kg	1	100	<2	2.01	99	85 - 115
Percent recovery is based	on the spike result.	RPD is b	based on t	the spike ar	nd spike duj	plicate r	esult.		
Param	$\begin{array}{c} \mathrm{LCSD} \\ \mathrm{Result} \end{array}$	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.6	mg/Kg		100	<2.01	100	85 - 115		20
Matrix Spike (MS-1)	Spiked Sample: 1		nlugodi	2000 01 0	۲		٨	nalwood P	A D
QC Batch: 55711 Prep Batch: 47600		Date An QC Prep		2009-01-0 2009-01-0				nalyzed B repared B	
D	M Res		Units	Dil.	Spike Amount		trix sult	Rec.	Rec. Limit
Param	1005								
	81	90 n	ng/Kg	50	5000	33	20	97	85 - 115
Param Chloride Percent recovery is based	819 on the spike result.			he spike ar	5000 1d spike duj		20 esult.	97	
Chloride Percent recovery is based	81 on the spike result. MSD	RPD is b	pased on t	he spike ar Spike	5000 1d spike dup Matrix	plicate r	20 esult. Rec.		RPD
Chloride Percent recovery is based Param	81 on the spike result. MSD Result	RPD is b Units	pased on t Dil.	he spike ar Spike Amount	5000 nd spike dup Matrix Result		20 esult. Rec. Limit	RPD	RPD Limit
Chloride Percent recovery is based	81 on the spike result. MSD Result 8250	RPD is b Units mg/Kg	pased on t Dil. 50	he spike ar Spike Amount 5000	5000 nd spike dup Matrix Result 3320	olicate r Rec. 99	20 esult. Rec. Limit 85 - 115	RPD	RPD
Chloride Percent recovery is based Param Chloride Percent recovery is based	81 on the spike result. MSD Result 8250	RPD is b Units mg/Kg RPD is b	Dil. 50 pased on t	he spike ar Spike Amount 5000	5000 nd spike dup Matrix Result 3320	olicate r Rec. 99	20 esult. Rec. Limit 85 - 115 esult.	RPD	RPD Limit 20
Chloride Percent recovery is based Param Chloride Percent recovery is based Standard (ICV-1) QC Batch: 55711	81 on the spike result. MSD Result 8250 on the spike result.	RPD is b Units mg/Kg RPD is b Date And ICVs True	Dil. Dil. 50 Dased on t alyzed: IC Fou	he spike ar Spike Amount 5000 he spike ar 2009-01-05 Vs und	5000 nd spike duy Matrix Result 3320 nd spike duy ICVs Percent	Plicate r Rec. 99 Plicate r	20 esult. Limit 85 - 115 esult. A Percent Recovery	RPD 1 nalyzed B	RPD Limit 20 y: AR Date
Chloride Percent recovery is based Param Chloride Percent recovery is based Standard (ICV-1) QC Batch: 55711 Param Flag	81 on the spike result. MSD Result 8250 on the spike result. Units	RPD is b Units mg/Kg RPD is b Date Ana ICVs True Conc.	Dil. 50 Dil. 50 Dased on t alyzed: IC Fou Co:	he spike ar Spike Amount 5000 he spike ar 2009-01-05 Vs ind nc.	5000 nd spike dup Matrix Result 3320 nd spike dup ICVs Percent Recovery	plicate r Rec. 99 plicate r	20 esult. Limit 85 - 115 esult. A Percent Recovery Limits	RPD 1 nalyzed B A	Limit 20 y: AR Date nalyzed
Chloride Percent recovery is based Param Chloride Percent recovery is based Standard (ICV-1) QC Batch: 55711	81 on the spike result. MSD Result 8250 on the spike result.	RPD is b Units mg/Kg RPD is b Date And ICVs True	Dil. Dil. 50 Dased on t alyzed: IC Fou	he spike ar Spike Amount 5000 he spike ar 2009-01-05 Vs ind nc.	5000 nd spike duy Matrix Result 3320 nd spike duy ICVs Percent	plicate r Rec. 99 plicate r	20 esult. Limit 85 - 115 esult. A Percent Recovery	RPD 1 nalyzed B A	RPD Limit 20 y: AR Date
Chloride Percent recovery is based Param Chloride Percent recovery is based Standard (ICV-1) QC Batch: 55711 Param Flag	81 on the spike result. MSD Result 8250 on the spike result. Units	RPD is b Units mg/Kg RPD is b Date Ana ICVs True Conc.	Dil. 50 Dil. 50 Dased on t alyzed: IC Fou Co:	he spike ar Spike Amount 5000 he spike ar 2009-01-05 Vs ind nc.	5000 nd spike dup Matrix Result 3320 nd spike dup ICVs Percent Recovery	plicate r Rec. 99 plicate r	20 esult. Limit 85 - 115 esult. A Percent Recovery Limits	RPD 1 nalyzed B A	RPD Limit 20 y: AR Date nalyzed

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Report Date 30-015-2039	e: January 6, 6	2009		Work Order: 81 Iguaro Water T	Page Number: 6 of 6 Eddy County, NM		
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2009-01-05

Received by OCD: 4/3/2023 2:11:40 PM

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LAB Order ID # 8133017

5002 Basin Street, Sulle E Mildland, Texas 19703 Tel (432) 7669-6301 689-6313 f 1432) 7669-6313		(Circle or Specify Method No.)			90 L 0	В <u>н</u> 19 В <u>н</u>)) рәр	ass ass ass ass ass ass ass ass ass ass	Transfer Dis Ex Dis Ex HC	554 554 1240 1040 1240 1240	22 005 // DR 6005 // DR 608/62 3 3 10/ 62 8 8 8 8 8 8 8 8 10/ 602 603/67 5 2 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2212/06 2212/06 2212/06 2012 2012 2012 2012 2012 2012 2012 20	НОС2 НИО3 ИаНЗО4 ИаНЗО4 ИаНЗО4 ИОИЕ ВОД, ТЗС ВОД, ТСС ВОД, ТСС ВОД	X 12/29/08 10:13 AM	X 12/29/08 10:39 AM X X X X 12/29/08	· X 12/29/08 10:55 AM X X X X X I					Time: Temp°c:	01 11:42 11.6°C	te: Time: Temp°c: http://wack.com/wack.com/wack.com/wack.com/wack.com/wack.com/wack.com/wack.com/wack.com/wack	te: Time: Temp*c:	CENCINAL CODV CONTRACT FERSEX 7017-4830-4549
5	505-748-4217	Fax #:	505-748-4662	E-mail:	<u>boba@ypcnm.com</u>		Project Name:	Saguaro Water	Sampler Signature. (-	iomA	Volume/ SOIL AIR SLUDGE SLUDGE			1 4oz. X 1					/: Company:	Tince	Received by: Company: Date:	Received by: Company: Date:	
email: lab@traceanalysis.com	Yates Petroleum Corporation	ddress: (Street, City, Zip)	105 South Fourth Street, Artesia, NM 88210	Contact Person:	Robert Asher	nvoice to: DO# 105633	Proiect #:	30-015-20396	Project Location: Ecicly County			LAB # RELUCIONE #COULT	1833-7616 GS/Comp-001	GS/Comp-002						hed by: Company: Date: Time:	12/29/2008 2:35 PM	Relinquished by: Company: Date: Time: Rec	Relinquished by: Company: Date: Time: Rec	ju 77. Siltenikel of Annuelen - eredit for a servate at the Theorem and Manuel Historic Historic and a 6 00

Released to Imaging: 4/10/2023 8:35:13 AM

Page of Page 13 of 37

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	RACEAN	LYSIS,	, INC.		
6701 Aberdeen Avenue, Suite		SOD+378+1296	806•794•1296	FAX 806 • 794 • 1298	
200 East Sunset Road, Suite E	,	8 89 * 588 * 3440	915•585•3443	FAX 915+585+4944	
5002 Basin Street, Suite Al	Midland, Texas 79703		432•689•6301	FAX 432 • 689 • 6313	
6015 Harris Parkway, Suite 110			817•201+5260		,
		tificatio	\mathbf{ons}		
WBENC: 237019	HUB:	175243974	3100-86536	DBE:	VN 20657
	NCTRCA	WFWB384	444Y0909		
	NELAP	Certifi	cations	5	

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 El Paso: T104704221-08-TX LELAP-02002 Midland: T104704392-08-TX

Analytical and Quality Control Report

Robert Asher Yates Petroleum Corp. 105 South 4th South Artesia, NM, 88210

Report Date: January 6, 2009

Work Order: 8123017

Project Location:Eddy County, NMProject Name:Saguaro Water TransferProject Number:30-015-20396

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
183761	GS/Comp-001	soil	2008-12-29	10:13	2008-12-30
183762	GS/Comp-002	soil	2008-12-29	10:39	2008-12-30
183763	GS/Comp-003	soil	2008-12-29	10:55	2008-12-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

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Dr. Blair Leftwich, Director

Standard Flags

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 $\,B\,$ – The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Saguaro Water Transfer were received by TraceAnalysis, Inc. on 2008-12-30 and assigned to work order 8123017. Samples for work order 8123017 were received intact at a temperature of 2.3 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B
TPH DRO	Mod. 8015B
TPH GRO	S 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8123017 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

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Work Order: 8123017 Saguaro Water Transfer

Analytical Report

Sample: 183761 - GS/Comp-001

Laboratory: Analysis: QC Batch: Prep Batch:	Midland BTEX 55632 47546			Analytical M Date Analyz Sample Prej	zed:	S 8021B 2008-12-30 2008-12-30		Prep Meth Analyzed I Prepared F	By: ME
				RL					
Parameter		Flag		Result		Units	Di	lution	RL
Benzene				0.152		mg/Kg		1	0.0100
Toluene				0.332		mg/Kg		1	0.0100
Ethylbenzene)			0.558		mg/Kg		1	0.0100
Xylene				1.72		mg/Kg		1	0.0100
							Spike	Percent	Recovery
Surrogate			Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)			0.967	mg/Kg	1	1.00	97	68 - 136.9
4-Bromofluor	obenzene (4-Bl	FB)		1.37	mg/Kg	1	1.00	137	48.2 - 155

Sample: 183761 - GS/Comp-001

Laboratory:	Midland						
Analysis:	TPH DRO		Analytical M	ethod: Mod.	8015B	Prep N	Aethod: N/A
QC Batch:	55718		Date Analyze	ed: 2009-0	01-05	Analyz	zed By: AG
Prep Batch:	47623		Sample Prepa	aration: 2009-	01-05	Prepar	red By: AG
			RL				
Parameter	F	lag	Result	Uı	nits	Dilution	RL
DRO			166	mg/	Kg	1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontan	е	103	mg/Kg	1	100	103	10 - 250.4

Sample: 183761 - GS/Comp-001

Laboratory:	Midland				
•	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	55634	Date Analyzed:	2008-12-30	Analyzed By:	ME
Prep Batch:	47546	Sample Preparation:	2008-12-30	Prepared By:	ME

continued ...

Report Date: January 6, 2009	Work Order: 8123017	Page Number: 5 of 15
30-015-20396	Saguaro Water Transfer	Eddy County, NM

sample 183761 continued ...

			RL					
Parameter	Flag		Result		Units		Dilution	RL
			RL					
Deve et en	Flam		Result		Units		Dilution	זמ
Parameter	Flag		nesun		Omts		Dilution	RL
GRO			126		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TF	T^{T}		0.838	mg/Kg	1	1.00	84	67.5 - 135.2
4-Bromofluorobenze	ne (4-BFB)		1.39	mg/Kg	1	1.00	139	63.8 - 141

Sample: 183762 - GS/Comp-002

Laboratory: Midland Analysis: BTEX QC Batch: 55632 Prep Batch: 47546		Analytical M Date Analys Sample Prep	zed:	S 8021B 2008-12-30 2008-12-30		Prep Meth Analyzed Prepared 2	By: ME
		RL					
Parameter Flag	g	Result		Units	Di	lution	RL
Benzene		0.210		mg/Kg		1	0.0100
Toluene		0.441		mg/Kg		1	0.0100
Ethylbenzene		1.83		m mg/Kg		1	0.0100
Xylene		7.88		mg/Kg		1	0.0100
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.961	mg/Kg	1	1.00	96	68 - 136.9
4-Bromofluorobenzene (4-BFB)	1	2.49	mg/Kg	1	1.00	249	48.2 - 155

Sample: 183762 - GS/Comp-002

Laboratory: Analysis: QC Batch: Prep Batch:	Midland TPH DRO 55718 47623	Analytical Method: Date Analyzed: Sample Preparation:	Mod. 8015B 2009-01-05 2009-01-05	Prep Method: Analyzed By: Prepared By:	AG
		RL			
Parameter	Flag	Result	Units	Dilution	RL
DRO		686	mg/Kg	1	50.0

¹High surrogate recovery due to peak interference.

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Report Date: January 6, 2009 30-015-20396			Work Order: 8123017 Saguaro Water Transfer			0	umber: 6 of 15 y County, NM
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		140	mg/Kg	1	100	140	10 - 250.4

Sample: 183762 - GS/Comp-002

Laboratory: Analysis: QC Batch: Prep Batch:	Midland TPH GRO 55727 47634		Date Ana	l Method: lyzed: reparation:	S 8015B 2009-01-05 2009-01-05		Prep Me Analyze Prepared	d By: ME
			RL					
Parameter	Flag		Result		Units		Dilution	RL
GRO			789		mg/Kg		10	1.00
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotolue	ene (TFT)	- 105	10.1	mg/Kg	10	10.0	101	67.5 - 135.2
	robenzene (4-BFB)		13.5	mg/Kg	10	10.0	135	63.8 - 141

Sample: 183763 - GS/Comp-003

Laboratory:	Midland							
Analysis:	BTEX		Analytical l	Method:	S 8021B		Prep Metl	nod: S 5035
QC Batch:	55632		Date Analy	zed:	2008-12-30		Analyzed	By: ME
Prep Batch:	47546		Sample Pre	paration:	2008-12-30		Prepared	By: ME
			RL					
Parameter	Fla	g.	Result		Units	Di	ilution	RL
Benzene			0.0162		mg/Kg		1	0.0100
Toluene			0.0258		mg/Kg		1	0.0100
Ethylbenzene			0.0808		mg/Kg		1	0.0100
Xylene			0.303		mg/Kg		1	0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluer	ne (TFT)		0.997	mg/Kg	1	1.00	100	68 - 136.9
4-Bromofluoro	benzene (4-BFB)		1.12	mg/Kg	1	1.00	112	48.2 - 155

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30-015-20396		Work Order: 8123017 Saguaro Water Transfer				Page Number: 7 of 15 Eddy County, NM		
Sample: 183763 - GS/Comp-	-003							
Laboratory: Midland								
Analysis: TPH DRO		Analytic	al Method:	Mod. 8013	БB	Prep]	Method: N	
QC Batch: 55718		Date Ana		2009-01-05		-	zed By: A(
Prep Batch: 47623		Sample F	reparation:	2009-01-05	ì	·	red By: AC	
		RL						
Parameter Flag		Result		Units		Dilution	F	
DRO		194		mg/Kg		1	50	
					Spike	Percent	Recover	
	D	Units	Dih	ution	Amount	Recovery	Limits	
Surrogate Flag	Result					_0000.0xJ	U	
n-Triacontane	129	mg/K	5	1	100	129	10 - 250	
n-Triacontane Sample: 183763 - GS/Comp- Laboratory: Midland Analysis: TPH GRO QC Batch: 55634	129	mg/K Analytica Date Ana	l Method: lyzed:	S 8015B 2008-12-30		Prep Me Analyze	ethod: S 50: d By: ME	
n-Triacontane Sample: 183763 - GS/Comp- Laboratory: Midland Analysis: TPH GRO QC Batch: 55634	129	mg/Ka Analytica Date Ana Sample P	l Method:	S 8015B		Prep Me	ethod: S 50: d By: ME	
n-Triacontane Sample: 183763 - GS/Comp- Laboratory: Midland Analysis: TPH GRO QC Batch: 55634 Prep Batch: 47546	129	mg/Ka Analytica Date Ana Sample P RL	l Method: lyzed:	S 8015B 2008-12-30 2008-12-30		Prep Me Analyze Preparec	ethod: S 50: d By: ME	
n-Triacontane Sample: 183763 - GS/Comp- Laboratory: Midland Analysis: TPH GRO QC Batch: 55634 Prep Batch: 47546 Parameter Flag	129	mg/Ka Analytica Date Ana Sample P RL Result	l Method: lyzed:	S 8015B 2008-12-30 2008-12-30 Units		Prep Me Analyze	ethod: S 50: d By: ME d By: ME R	
n-Triacontane Sample: 183763 - GS/Comp- Laboratory: Midland Analysis: TPH GRO QC Batch: 55634 Prep Batch: 47546 Parameter Flag	129	mg/Ka Analytica Date Ana Sample P RL	l Method: lyzed:	S 8015B 2008-12-30 2008-12-30		Prep Me Analyze Preparec	ethod: S 50 d By: ME d By: ME	
n-Triacontane Sample: 183763 - GS/Comp- Laboratory: Midland Analysis: TPH GRO QC Batch: 55634 Prep Batch: 47546 Parameter Flag GRO	129	mg/Ka Analytica Date Ana Sample P RL Result 35.3	l Method: lyzed: reparation:	S 8015B 2008-12-30 2008-12-30 Units mg/Kg	Spike	Prep Me Analyze Prepared Dilution 1 Percent	ethod: S 50: d By: ME d By: ME Recovery	
n-Triacontane Sample: 183763 - GS/Comp- Laboratory: Midland Analysis: TPH GRO QC Batch: 55634 Prep Batch: 47546 Parameter Flag GRO Surrogate	129	mg/Ka Analytica Date Ana Sample P RL Result 35.3 Result	l Method: lyzed: reparation: Units	S 8015B 2008-12-30 2008-12-30 Units mg/Kg Dilution	Spike Amount	Prep Me Analyze Prepared Dilution 1 Percent Recovery	ethod: S 50: d By: ME d By: ME Recovery Limits	
n-Triacontane Sample: 183763 - GS/Comp- Laboratory: Midland Analysis: TPH GRO QC Batch: 55634 Prep Batch: 47546 Parameter Flag	129	mg/Ka Analytica Date Ana Sample P RL Result 35.3	l Method: lyzed: reparation:	S 8015B 2008-12-30 2008-12-30 Units mg/Kg	Spike	Prep Me Analyze Prepared Dilution 1 Percent	ethod: S 50: d By: ME d By: ME Recovery	

Meth d Blar (1)

QC Batch: 55632		Date Analyzed: 20	08-12-30	Analyzed By:	ME
Prep Batch: 47546		QC Preparation: 20	08-12-30	Prepared By:	ME
		MD	L		
Parameter	Flag	Resu	lt Units		RL
Benzene		< 0.0058	30 mg/Kg		0.01
Toluene		< 0.0047	70 mg/Kg		0.01
Ethylbenzene		< 0.0053	30 mg/Kg		0.01
Xylene		< 0.013	6 mg/Kg		0.01

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Surrogate	Flag	Result	Units	Dilution		Percent Recovery	Reco Lim	its
Trifluorotoluene (TFT)		0.996	mg/Kg		1.00	100	48.3 -	
4-Bromofluorobenzene (4-BFB)	0.965	mg/Kg	1	1.00	96	37.7 -	128.9
Method Blank (1) QC	Batch: 55634							
QC Batch: 55634 Prep Batch: 47546		Date Ana QC Prepa		2008-12-30 2008-12-30			vzed By: ared By:	ME ME
2			MD					
Parameter	Flag		Resu			nits		RL
GRO	······		0.81	lð	mg	;/Kg		1
					Spike	Percent	Reco	very
Surrogate	Flag	Result	Units	Dilution		Recovery	Lim	its
Trifluorotoluene (TFT)		0.860	mg/Kg		1.00	86	39.2 -	
4-Bromofluorobenzene (4-BFB))	0.817	mg/Kg	1	1.00	82	16.8 -	138.1
QC Batch: 55718	Batch: 55718	Date Ana QC Prepa		2009-01-05 2009-01-05			vzed By: ared By:	AG AG
QC Batch: 55718 Prep Batch: 47623			aration: MD	2009-01-05 L		Prepa		AG
QC Batch: 55718 Prep Batch: 47623 Parameter	Batch: 55718 Flag		aration: MD Resu	2009-01-05 L lt		Prepa		AG RL
QC Batch: 55718 Prep Batch: 47623 Parameter			aration: MD	2009-01-05 L lt		Prepa		AG
QC Batch: 55718			aration: MD Resu <15.	2009-01-05 L lt		Prepa		AG RL 50 very
QC Batch: 55718 Prep Batch: 47623 Parameter DRO Surrogate Flag	Flag	QC Prepa	aration: MD Resu <15.	2009-01-05 L lt .8	mg Spike	Prepa nits /Kg Percent	Recov	AG RL 50 very its
QC Batch: 55718 Prep Batch: 47623 Parameter DRO Surrogate Flag n-Triacontane	Flag Result 65.2 Batch: 55727	QC Prepa	aration: MD Resu <15. Dil lyzed: aration: MD	2009-01-05 L lt .8 	mg Spike Amount 100	Prepa nits /Kg Percent Recovery 65 Analy Prepa	Recov Lim 30.9 - 1	AG RL 50 very its
QC Batch: 55718 Prep Batch: 47623 Parameter DRO Surrogate Flag n-Triacontane Method Blank (1) QC H QC Batch: 55727	Flag Result 65.2	QC Prepa Units mg/Kg Date Ana	aration: MD Resu <15. Dil	2009-01-05 L lt .8 	mg Spike Amount 100 Ur	Prepa nits /Kg Percent Recovery 65 Analy	Recov Lim 30.9 - 1	AG RL 50 very its 146.4 ME

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	39.2 - 135.2
4-Bromofluorobenzene (4-BFB)		1.01	mg/Kg	1	1.00	101	16.8 - 138.1

Laboratory Control Spike (LCS-1)

QC Batch:	55632	Date Analyzed:	2008-12-30	Analyzed By:	ME
Prep Batch:	47546	QC Preparation:	2008-12-30	Prepared By:	ME

Param	\mathcal{LCS} Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.939	mg/Kg	1	1.00	< 0.00580	94	73.3 - 116.6
Toluene	0.924	mg/Kg	1	1.00	< 0.00470	92	78.6 - 115.1
Ethylbenzene	0.886	mg/Kg	1	1.00	< 0.00530	89	77.4 - 114.9
Xylene	2.69	mg/Kg	1	3.00	< 0.0136	90	78.2 - 114.7

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Benzene	1.05	mg/Kg	1	1.00	< 0.00580	105	73.3 - 116.6	11	20
Toluene	1.03	mg/Kg	1	1.00	< 0.00470	103	78.6 - 115.1	11	20
Ethylbenzene	1.02	mg/Kg	1	1.00	< 0.00530	102	77.4 - 114.9	14	20
Xylene	3.06	mg/Kg	1	3.00	< 0.0136	102	78.2 - 114.7	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	1.02	1.10	mg/Kg	1	1.00	102	110	45 - 124.2
4-Bromofluorobenzene (4-BFB)	1.00	1.06	mg/Kg	1	1.00	100	106	47.2 - 130.4

Laboratory Control Spike (LCS-1)

QC Batch: Prep Batch:	$55634 \\ 47546$		v		2-30 2-30		vzed By: ME ared By: ME	
-		LCS			Spike	Matrix	_	Rec.
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit
GRO		7.32	mg/Kg	1	10.0	< 0.442	73	57.5 - 106.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Report Date: January 6, 2009 30-015-20396)			der: 8123 Vater Tra						10 of 15 nty, NM
control spikes continued										
Devee	$\begin{array}{c} \mathrm{LCSD} \\ \mathrm{Result} \end{array}$	TTalita	Dil.	Spike Amount	Matri			Rec. Limit	RPD	RPD
Param	Result	Units	DII.	Amount	Resul	t Rec.			hrD	Limit
	LCSD			Spike	Matri			Rec.		RPD
Param	Result	Units	Dil.	Amount	Resul			Limit	RPD	Limit
GRO	7.79	mg/Kg	1	10.0	< 0.44			5 - 106.4	6	20
Percent recovery is based on t	he spike result.	RPD is b	ased on	the spike	e and spil	ce duplica	te resi	ult.		
	LCS	LCS	D			Spike	LCS	LCSD]	Rec.
Surrogate	Resul			Jnits	Dil. A	Mount	Rec.	Rec.	Ι	imit
Trifluorotoluene (TFT)	0.862			g/Kg	1	1.00	86	87		- 134.3
4-Bromofluorobenzene (4-BFE	3) 0.850	0.86	60 m	g/Kg	1	1.00	85	86	53.3	- 123.6
_	LCS		· •.	Dil	Spike		atrix	D		Rec.
Param	Resu		nits	Dil.	Amou		esult	Rec.		imit
DRO	276		g/Kg	1	250		15.8	110	27.8	- 152.1
Percent recovery is based on t	he spike result.	RPD is b	ased on	the spike	and spil	ce duplica	ite resi	ilt.		
	LCSD			Spike	Matri	x		Rec.		RPD
Param	Result	Units	Dil.	Amount	Resul			Limit	RPD	Limit
DRO	277	mg/Kg	1	250	<15.	8 111	27.	8 - 152.1	0	20
Percent recovery is based on t	he spike result.	RPD is b	ased on	the spike	and spil	ce duplica	te resu	ılt.		
					Spik	e I	LCS	LCSD		Rec.
L	CS LCSD				-		2.00	Rec.		Limit
	sult Result		nits	Dil.	Amor		Rec.			
Surrogate Res			nits /Kg	Dil.	Amov 100		82	81		- 130.4
SurrogateResn-Triacontane81LaboratoryControl SpikeQC Batch:55727	sult Result 5 81.4		/Kg alyzed:	2009-01	100 L-05			81 Analy		: ME
SurrogateResn-Triacontane81LaboratoryControl SpikeQC Batch:55727Prep Batch:47634	sult Result 5 81.4 (LCS-1)	mg Date Ana QC Prep	/Kg alyzed: aration:	1. 2009-01 2009-01	100 1-05 1-05 Spike	- M	82 atrix	81 Analy Prepa	38 yzed By ared By I	: ME Rec.
SurrogateResn-Triacontane81LaboratoryControl SpikeQC Batch:55727	sult Result	mg Date Ana QC Prep It U	/Kg alyzed:	2009-01	100 L-05 L-05	e M at R	82	81 Analy	38 yzed By ared By I L	: ME : ME

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Report Date: January 6, 2009 30-015-20396			Work C aguaro	Page Number: 11 of 15 Eddy County, NM					
Param	$\begin{array}{c} \mathrm{LCSD} \\ \mathrm{Result} \end{array}$	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.10	mg/Kg	1	10.0	< 0.442	91	57.5 - 106.4	1	20
Percent recovery is based on the	spike result			n the spike	and spike	luplicat	e result.		

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.994	0.998	mg/Kg	1	1.00	99	100	63.8 - 134.3
4-Bromofluorobenzene (4-BFB)	1.02	1.03	mg/Kg	1	1.00	102	103	53.3 - 123.6

Matrix Spike (MS-1) Spiked Sample: 183763

QC Batch:	55632	Date Analyzed:	2008-12-30	Analyzed By:	ME
Prep Batch:	47546	QC Preparation:	2008-12-30	Prepared By:	ME

	MS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Benzene	0.990	mg/Kg	1	1.00	0.0162	97	62.2 - 134.3
Toluene	0.998	m mg/Kg	1	1.00	0.0258	97	62.6 - 145.4
Ethylbenzene	0.960	$\mathrm{mg/Kg}$	1	1.00	0.0808	88	64.6 - 146.4
Xylene	2.95	mg/Kg	1	3.00	0.3034	88	64.3 - 148.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	MSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Benzene	0.992	mg/Kg	1	1.00	0.0162	98	62.2 - 134.3	0	20
Toluene	0.998	mg/Kg	1	1.00	0.0258	97	62.6 - 145.4	0	20
Ethylbenzene	0.982	mg/Kg	1	1.00	0.0808	90	64.6 - 146.4	2	20
Xylene	3.00	mg/Kg	1	3.00	0.3034	90	64.3 - 148.8	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	${ m MS} { m Result}$	${ m MSD} { m Result}$	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.02	1.00	mg/Kg	1	1	102	100	38.8 - 127.5
4-Bromofluorobenzene (4-BFB)	1.06	1.03	mg/Kg	1	1	106	103	49.3 - 142.4

Matrix Spike (MS-1) Spiked Sample: 183754

QC Batch:	55634	Date Analyzed:	2008-12-30	Analyzed By:	ME
Prep Batch:	47546	QC Preparation:	2008-12-30	Prepared By:	ME

continued ...

Report Date: January 6, 30-015-20396	2009				Order: 81230 Water Tran				Page Nu Edo		12 of 15 nty, NM
matrix spikes continued .			~			a .1					~
Param		MS Resi		Units	Dil.	Spike Amount		atrix esult	Rec.		Rec. Limit
autori - 1,-1,-		MS	2			Spike	M	atrix			Rec.
Param		Resi		Units	Dil.	Amount		esult	Rec.		Limit
GRO	2	74.		mg/Kg	1	10.0		4.2	0) - 139.3
Percent recovery is based	on the spil	æ result.	RPD is		n the spike	and spike d	luplicate	e result.			
		MSD			Spike	Matrix		Re	ec.		RPD
Param		Result	Units	B Dil.	Amount	Result	Rec.	Lin	nit	RPD	Limit
GRO	3	80.5	mg/K	g 1	10.0	74.2	0	10 - 1	139.3	8	20
Percent recovery is based	on the spil	ke result.	RPD is	s based o	n the spike	and spike d	luplicate	e result.			
		MS	5 1	MSD		S	pike	MS	MSD)	Rec.
Surrogate		Resu		Result	Units	Dil. Ar	nount	Rec.	Rec.		Limit
Trifluorotoluene (TFT)		0.85		0.872	mg/Kg	1	1	85	87		.3 - 119
Matrix Spike (MS-1)		1.07 ample: 18	83896	1.12 Analyzed:	mg/Kg : 2009-01-	-05	1	107	112 Analy	52 vzed By	
Matrix Spike (MS-1) QC Batch: 55718 Prep Batch: 47623		ample: 18 MS	83896 Date A QC P1	Analyzed: reparation	: 2009-01- n: 2009-01-	-05 -05 Spike	Ma	atrix	Analy Prepa	vzed By ared By	r: AG Rec.
Matrix Spike (MS-1) QC Batch: 55718 Prep Batch: 47623 Param		ample: 18 MS Resu	83896 Date A QC Pr S	Analyzed: eparation Units	: 2009-01- n: 2009-01- Dil.	-05 -05 Spike Amount	Ma Re	atrix esult	Analy Prepa Rec.	vzed By ared By	y: AG 7: AG Rec. Limit
Matrix Spike (MS-1) QC Batch: 55718 Prep Batch: 47623 Param DRO	Spiked S	ample: 18 MS Resu 230	33896 Date A QC Pr S ilt	Analyzed: eparation Units mg/Kg	: 2009-01- n: 2009-01- Dil. 1	-05 -05 Amount 250	Ma Re	atrix esult 15.8	Analy Prepa	vzed By ared By	y: AG 7: AG Rec. Limit
Matrix Spike (MS-1) QC Batch: 55718 Prep Batch: 47623 Param DRO	Spiked S	ample: 18 MS Resu 230	33896 Date A QC Pr S ilt	Analyzed: eparation Units mg/Kg	: 2009-01- n: 2009-01- Dil. 1	-05 -05 Amount 250	Ma Re	atrix esult 15.8	Analy Prepa Rec.	vzed By ared By	y: AG 7: AG Rec. Limit
Matrix Spike (MS-1) QC Batch: 55718 Prep Batch: 47623 Param DRO	Spiked S	ample: 18 MS Resu 230	33896 Date A QC Pr S ilt	Analyzed: eparation Units mg/Kg	: 2009-01- n: 2009-01- Dil. 1	-05 -05 Amount 250	Ma Re	atrix esult 15.8 e result. Re	Analy Prepa Rec. 92	vzed By ared By 18	y: AG 7: AG Rec. <u>Limit</u> 3 - 179.5 RPD
Matrix Spike (MS-1) QC Batch: 55718 Prep Batch: 47623 Param DRO Percent recovery is based Param	Spiked S	ample: 18 MS Resu 230 ke result. MSD Result	S3896 Date A QC Pr S ilt RPD is Units	Analyzed: reparation Units mg/Kg s based o Dil.	: 2009-01- n: 2009-01- Dil. 1 n the spike Spike Amount	05 05 Amount 250 and spike o Matrix Result	Ma Re luplicate Rec.	atrix esult 15.8 e result. Re Lin	Analy Prepa Rec. 92 ec. nit	vzed By ared By 18 RPD	y: AG y: AG Rec. Limit 3 - 179.5 RPD Limit
Matrix Spike (MS-1) QC Batch: 55718 Prep Batch: 47623 Param DRO Percent recovery is based Param	Spiked S	ample: 18 MS Resu 230 ce result. MSD	S3896 Date 4 QC Pr S 1lt RPD is	Analyzed: reparation Units mg/Kg s based o Dil.	: 2009-01- n: 2009-01- Dil. 1 n the spike - Spike	-05 -05 Amount 250 and spike of Matrix	Ma Re < luplicate	atrix esult 15.8 e result. Re	Analy Prepa Rec. 92 ec. nit	vzed By ared By 18	y: AG 7: AG Rec. <u>Limit</u> 3 - 179.5 RPD
5	Spiked S on the spil	ample: 18 MS Resu 230 ce result. MSD Result 280	S3896 Date A QC Pr S ilt RPD is Mg/K	Analyzed: eparation Units mg/Kg s based o c Dil. g 1	: 2009-01- n: 2009-01- Dil. 1 n the spike Spike Amount 250	05 05 Amount 250 and spike of Matrix Result <15.8	Ma Re luplicate Rec. 112	atrix esult 15.8 e result. Re Lin 18 - 1	Analy Prepa Rec. 92 ec. nit	vzed By ared By 18 RPD	y: AG y: AG Rec. Limit 3 - 179.5 RPD Limit
Matrix Spike (MS-1) QC Batch: 55718 Prep Batch: 47623 Param DRO Percent recovery is based Param DRO	Spiked S on the spil on the spil MS	Ample: 18 MS Resu 230 ce result. MSD Result 280 ce result. MSD	S3896 Date A QC Pr S ilt RPD is mg/K RPD is	Analyzed: eparation Units mg/Kg s based o <u>based o</u> s based o	: 2009-01- n: 2009-01- Dil. 1 n the spike Spike Amount 250 n the spike	05 05 Amount 250 and spike of Matrix Result <15.8 and spike of Spike	Ma Re luplicate Rec. 112 luplicate M	atrix esult 15.8 e result. Re Lin 18 - 1 e result. IS	Analy Prepa Rec. 92 ec. nit 179.5 MSD	/zed By ared By 18 <u>RPD</u> 20	y: AG Rec. Limit 3 - 179.5 RPD Limit 20 Rec.
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Matrix Spike (MS-1) QC Batch: 55718 Prep Batch: 47623 Param DRO Percent recovery is based Param DRO Percent recovery is based Surrogate	Spiked S on the spil on the spil MS Result 79.6	MS Resu 230 ce result. MSD Result 280 ce result. MSD Result	S3896 Date 4 QC Pr S ilt RPD is mg/K RPD is t	Analyzed: eparation Units mg/Kg s based o g 1 s based o Units	: 2009-01- n: 2009-01- Dil. 1 n the spike Amount 250 n the spike Dil.	05 05 Amount 250 and spike of Matrix Result <15.8 and spike of Spike Amount	Ma Re luplicate Rec. 112 luplicate M R	atrix esult 15.8 e result. Re Lin 18 - 1 e result. IS ec.	Analy Prepa Rec. 92 ec. hit 179.5 MSD Rec.	/zed By ared By 18 RPD 20	y: AG r: AG Limit 3 - 179.5 RPD Limit Rec. Limit
Matrix Spike (MS-1) QC Batch: 55718 Prep Batch: 47623 Param DRO Percent recovery is based Param DRO Percent recovery is based Surrogate n-Triacontane	Spiked S on the spil on the spil MS Result 79.6	Ample: 18 MS Resu 230 ce result. MSD Result 280 ce result. MSD Result 280 ce result. MSD Result 280	S3896 Date 4 QC Pr S ilt RPD is mg/K RPD is t s3893	Analyzed: eparation Units mg/Kg s based o g 1 s based o Units	: 2009-01- n: 2009-01- Dil. 1 n the spike Amount 250 n the spike Dil. 1	05 05 Amount 250 and spike of Matrix Result <15.8 and spike of Spike Amount 100	Ma Re luplicate Rec. 112 luplicate M R	atrix esult 15.8 e result. Re Lin 18 - 1 e result. IS ec.	Analy Prepa Rec. 92 ec. nit 179.5 MSD Rec. 85	/zed By ared By 18 RPD 20	y: AG r: AG Limit 3 - 179.5 RPD Limit 20 Rec. Limit .1 - 158

²Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control. ³Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.

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30-015-20396	6, 2009		Vork Order: 81 guaro Water T			F			13 of 15 inty, NM
-		MS				Iatrix			Rec.
Param GRO			nits Dil.			Result	Rec.		Limit
			g/Kg 1			2.3569	82	1() - 139.3
Percent recovery is base	ed on the spike resul	t. RPD is ba	ased on the spi	ike and s	pike duplicat	te result.			
	MSD		Spil	te Ma	atrix	Rec	3.		RPD
Param	Result	Units	Dil. Amou		esult Rec.		-	RPD	Limit
GRO	10.9	mg/Kg	1 10.0	0 2.3	3569 85	10 - 1		3	20
Percent recovery is base	ed on the spike resul	t. RPD is ba	ased on the spi	ke and s	pike duplicat	te result.			
U U									
Commente		AS MS		ויכו	Spike	MS	MSD		Rec.
Surrogate Trifluorotoluene (TFT)		$\frac{100}{100}$ sult Result Res		Dil.	Amount	Rec.	Rec.		Limit
4-Bromofluorobenzene (.00 1.0 1.1 1.1	0, 0	1 1	1 1	$\frac{100}{112}$	100 110		3 - 119 2.5 - 154
	(1010) 1		<u> </u>	<u>_</u>	_	112	110		104
QC Batch: 55632		Date Ana ICVs	-		ICVs	Perce	, e	zed By	י∶ ME
QC Batch: 55632		Date Ana ICVs True	lyzed: 2008-1 ICVs Found		ICVs Percent	Perce: Recove	nt	U	v: ME Date
QC Batch: 55632 Param Fl.	ag Units	ICVs	ICVs	F	Percent	Perce Recove Limit	nt ery	Ū	Date
	ag Units mg/Kg	ICVs True	ICVs Found	F		Recove	nt ery ts	Aı	
Param Fl. Benzene Toluene	mg/Kg mg/Kg	ICVs True Conc. 0.100 0.100	ICVs Found Conc.	F	Percent ecovery	Recove Limit	nt ery ts 15	A1 200	Date nalyzed
Param Fl. Benzene Toluene Ethylbenzene	mg/Kg mg/Kg mg/Kg	ICVs True Conc. 0.100 0.100 0.100	ICVs Found Conc. 0.0967 0.0957 0.0926	F	Percent ecovery 97 96 93	Recove Limit 85 - 1	nt ery ts 15 15	A1 200 200	Date nalyzed)8-12-30
Param Fl. Benzene Toluene	mg/Kg mg/Kg	ICVs True Conc. 0.100 0.100	ICVs Found Conc. 0.0967 0.0957	F	Percent ecovery 97 96	Recove Limit 85 - 1 85 - 1	nt ery ts 15 15 15	A1 200 200 200	Date nalyzed)8-12-30)8-12-30
Param Fl. Benzene Toluene Ethylbenzene Xylene Standard (CCV-1)	mg/Kg mg/Kg mg/Kg	ICVs True Conc. 0.100 0.100 0.100 0.300	ICVs Found Conc. 0.0967 0.0926 0.281	F R	Percent ecovery 97 96 93	Recove Limit 85 - 1 85 - 1 85 - 1	nt ery 15 15 15 15 15	A1 200 200 200 200	Date nalyzed 08-12-30 08-12-30 08-12-30 08-12-30
Param Fl. Benzene Toluene Ethylbenzene Xylene	mg/Kg mg/Kg mg/Kg	ICVs True Conc. 0.100 0.100 0.100	ICVs Found Conc. 0.0967 0.0926 0.281	F R	Percent ecovery 97 96 93	Recove Limit 85 - 1 85 - 1 85 - 1	nt ery ts 15 15 15	A1 200 200 200 200	Date nalyzed 08-12-30 08-12-30 08-12-30 08-12-30
Param Fl. Benzene Toluene Ethylbenzene Xylene Standard (CCV-1)	mg/Kg mg/Kg mg/Kg	ICVs True Conc. 0.100 0.100 0.100 0.300	ICVs Found Conc. 0.0967 0.0926 0.281	F R 2-30	Percent ecovery 97 96 93	Recove Limit 85 - 1 85 - 1 85 - 1	nt ery 15 15 15 15 15 15	A1 200 200 200 200	Date nalyzed 08-12-30 08-12-30 08-12-30 08-12-30
Param Fl. Benzene Toluene Ethylbenzene Xylene Standard (CCV-1) QC Batch: 55632	mg/Kg mg/Kg mg/Kg mg/Kg	ICVs True Conc. 0.100 0.100 0.300 Date Ana	ICVs Found Conc. 0.0967 0.0926 0.281 lyzed: 2008-1	1 R 2-30	Percent ecovery 97 96 93 93 94	Recove Limit 85 - 1 85 - 1 85 - 1 85 - 1	nt ery 15 15 15 15 15 15 Analy:	A1 200 200 200 200 200	Date halyzed 08-12-30 08-12-30 08-12-30 08-12-30
ParamFl.BenzeneTolueneEthylbenzeneXyleneStandard (CCV-1)QC Batch:55632ParamFla	mg/Kg mg/Kg mg/Kg mg/Kg	ICVs True Conc. 0.100 0.100 0.300 Date Ana CCVs True Conc.	ICVs Found Conc. 0.0967 0.0957 0.0926 0.281 lyzed: 2008-1 CCVs Found Conc.	F 2-30	Percent ecovery 97 96 93 94 94	Recove Limit 85 - 1 85 - 1 85 - 1 85 - 1	nt ery 15 15 15 15 15 Analy: nt	A1 200 200 200 200 200 200	Date 1alyzed 18-12-30 18-12-30 18-12-30 18-12-30 18-12-30 18-12-30
Param Fl. Benzene Toluene Ethylbenzene Xylene Standard (CCV-1) QC Batch: 55632 Param Fla Benzene	mg/Kg mg/Kg mg/Kg mg/Kg ag Units mg/Kg	ICVs True Conc. 0.100 0.100 0.300 Date Ana CCVs True Conc. 0.100	ICVs Found Conc. 0.0967 0.0957 0.0926 0.281 lyzed: 2008-1 CCVs Found Conc. 0.100	F 2-30	Percent ecovery 97 96 93 94 94 CCVs Percent ecovery 100	Recove Limit 85 - 1 85 - 1 85 - 1 85 - 1 85 - 1 Recove Limit 85 - 1	nt ery 15 15 15 15 15 Analy: nt ery ss 15	A1 200 200 200 200 200 200 200	Date 18-12-30 18-12-30 18-12-30 18-12-30 18-12-30 T: ME Date 1alyzed 18-12-30
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Toluene

Standard (ICV-1)

QC Batch: 55634

Date Analyzed: 2008-12-30

Analyzed By: ME

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CCVs True Conc. 1.00 Date Ana	ICVs Found Conc. 0.908 alyzed: 2008-1 CCVs Found Conc. 1.07	ICVs Percent Recovery 91 2-30 CCVs Percent Recovery 107	Percent Recovery Limits 85 - 115 Anal Percent Recovery Limits 85 - 115	Date Analyzed 2008-12-3(yzed By: ME Date Analyzed 2008-12-3(
Date Ana CCVs True Conc. 1.00 Date Ana	alyzed: 2008-1 CCVs Found Conc. 1.07	2-30 CCVs Percent Recovery	Anal Percent Recovery Limits	2008-12-30 yzed By: ME Date Analyzed
CCVs True Conc. 1.00 Date Ana	CCVs Found Conc. 1.07	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
CCVs True Conc. 1.00 Date Ana	CCVs Found Conc. 1.07	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
True Conc. 1.00 Date Ana	Found Conc. 1.07	Percent Recovery	Recovery Limits	Analyzed
1.00 Date Ana	1.07			
Date Ana		107	03 - 115	2008-12-30
	alyzed: 2009-0	1-05	Anal	yzed By: AG
ICVs True	ICVs Found	ICVs Percent	Percent Recovery	Date
Conc250	<u>Conc.</u> 279	Recovery 112	Limits 85 - 115	Analyzed 2009-01-05
	-		Anal	yzed By: AG
				D .
			•	Date Analyzed
250	229	92	85 - 115	2009-01-05
			Analy	yzed By: ME
True	Found	Percent	Percent Recovery Limits	Date
00110.		106	85 - 115	Analyzed 2009-01-05
	Date Ana CCVs True Conc. 250 Date Ana ICVs True Conc.	Date Analyzed: 2009-0 CCVs CCVs True Found Conc. Conc. 250 229 Date Analyzed: 2009-0 ICVs ICVs True Found	Date Analyzed: 2009-01-05 CCVs CCVs CCVs True Found Percent Conc. Conc. Recovery 250 229 92 Date Analyzed: 2009-01-05 ICVs ICVs ICVs True Found Percent Conc. Conc. Recovery	Date Analyzed:2009-01-05AnalCCVsCCVsPercentTrueFoundPercentRecoveryLimits2502299285 - 115Date Analyzed:2009-01-05ICVsICVsPercentTrueFoundPercentRecoveryLimits

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Report Da 30-015-203	ate: January 6 396	5, 2009		Work Order: 81 aguaro Water T		-	umber: 15 of 15 ldy County, NM
			CCVs True	CCVs Found	CCVs	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO		mg/Kg	1.00	1.08	108	85 - 115	2009-01-05

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TraceAnalysis, Inc. Constant stress and stress	E Midland,Taxas 78703 689-6313	ANALYSIS REGUEST	(Circle or Specify Method No.)			 	e 109 (20) P	3H 9	S 94 25 94 25 94	2,1625 1,071	3 5 7 9 7 0 0 1	02 1005 / 1005 / 102 / 102 B 102 B 101 B 2 3 3 3 3 3 3 3 3 3 3 3 5 5 0 5 6 0 5 6 6 7 8 2 8 3 3 3 3 3 5 7 6 6 7 8 7 8 7 8 7 8 7 8 7 8 8 8 8 8 8	8/8/6 1/TX7 1/TX7 1/2 5 6 6 7 0 0 0 0 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	DATE DATE DATE DATE DATE DATE SC/MS 560 SC/MS 560 SC/MSC	10:13 AM X X X Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	10:39 AM X X A	12/29/08 10:55 AM X X X					Temp"c: LABUSE ONLY REMARKS:	M. (J. C. J.		Ĕ,	Log-In:Review	L COPY Carrier # FED-EX 7917-4830-4549	A11 + ests M: 21 mad.
TraceAns email: lab@tra itroleum Corporation Steet. City, Zip) h Fourth Street, Artesia, NM 88210 Sher Sher 632 0396 Inty Fiel.b cobe 632 0396 Inty Secomp-001 GS/Comp-003 GS/Comp-003 Secompany: Date: Inty Inty Inty Inty Inty By: Company: Date: Inty	Inc.	Phone # 505 748 4044			1	boba@vpcnm.com				Sampler Signature:	\sim	MATRIX		Volumes VVATER SOIL SUDGI SLUDGI HAO NaHSO NaHSO	×	4oz. X	4oz. X					ed by: Company: Date: Time: . ($\frac{1}{10} \frac{1}{10} \frac$, ,	Company: Date: Time:			
Company Name. Vates Pet Address. 105 South Contact Person. Robert As Imorea to: PO# 1056 Project Location Eddy Cou Eddy Cou VUY NOS NUY Relinquished Relinquished Relinquished		troleum Corporation	(Street, City, Zip)	Th Fourth Street, Artesia, NM 88210		Robert Asher	000 000	Z00	30-015-20396		unty		FIELD CODE		3245	0 GS/Comp-002	GS/Comp-003		1000			Date: Time: 12/29/2008 2:35 PM	mpany: Date: Time:		Time:		nples constitutes agreement to Terms and Conditions	

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Work Order Receipt

Work Order	8123017
Receive Date	at
Requestor	Robert Asher - Yates Petroleum Corp.
Invoicing	Robert Asher - Yates Petroleum Corp.
Purchase Order	N/A
Project	30-015-20396
	Project Location = Eddy County, NM
	Project Name = Saguaro Water Transfer
	Project Number = $30-015-20396$
Comment	N/A

Samples				Collect	Collect	
Sample	Field Code	Priority	Matrix	Date	Time	Quantity
183761	GS/Comp-001	Normal	soil	2008-12-29	10:13	1
183762	GS/Comp-002	Normal	soil	2008-12-29	10:39	1
183763	GS/Comp-003	Normal	soil	2008-12-29	10:55	1
~ .				_		
Sample	Test		Method	Prep	Priority	Expected Date
183761	BTEX		S 8021B	S 5035	Normal	2009-01-04
	Chloride (Titration)	SM	1 4500-Cl B	N/A	Normal	2009-01-04
	TPH DRO	Μ	od. 8015B	N/A	Normal	2009-01-04
	TPH GRO		S 8015B	S 5035	Normal	2009-01-04
183762	BTEX		S 8021B	S 5035	Normal	2009-01-04
	Chloride (Titration)	SM	I 4500-Cl B	N/A	Normal	2009-01-04
	TPH DRO	· M	od. 8015B	N/A	Normal	2009-01-04
	TPH GRO		S 8015B	S 5035	Normal	2009-01-04
183763	BTEX		S 8021B	S 5035	Normal	2009-01-04
	Chloride (Titration)	SM	[4500-Cl B	N/A	Normal	2009-01-04

December 30, 2008

Page 1 of 2

÷.		Work Order H	Receipt		
Sample	Test	Method	Prep	Priority	Expected Date
Concerner Concerner Concerner	TPH DRO	Mod. 8015B	N/A	Normal	2009-01-04
	TPH GRO	S 8015B	S 5035	Normal	2009-01-04

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December 30, 2008

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LAB Order ID # 8133017

					LAB (Order ID #	1 <u>8</u> # 1	d 5()	/ 1								Page	-	of	n I	6 - C - S
Tr	TraceAnalysis, email: lab@traceanalysis.com	alys		Inc.		5002 Basin Street, Suite E Tei (432) 7689-6301 61	Suite E 689-6313		Midiand,Taxas 79703 Fax (432)												es.
Company Name: Yates Petroleum Corporation			· ·	₩	505-748-4217	17						- 0	ANAL ircle ol	YSIS Speci	ANALYSIS REQUEST Circle or Specify Method No.	JEST od No.)					
Address: (Street, City, Zip) 105 South Fourth Street, Artesia, NM 88210	sia, NM 88210	_		Fax# 50	505-748-4662	62				·····		7.0		·		·					
Contact Person:				E-mail:								0Z/8									
Robert Asher				boba@ypcnm.	ocnm.com	E			Τ			010					~~~~				
Invoice to: PO# 105632							:. <i>*</i>						6ப ச								
oject 井 つつ ロメ FL つつつつの				Project Name:	141	E															
00-010-20090 Project Location:				Sampler Signature:	> 1								10.00		Þ	0C/95					
				MATRIX		RESERVATIVE		SAMPLING	ING	70				÷	Z9/809		809\41	JUƏJ	- 321		
LAB # FIELD CODE	ODE	CONTAINE	omAlamulo	PUDGE IIIS IIIS	INO ³ ICF	^t OS ^z } trosH€I	IONE CE	ata(IME	LEX 80518/6	PH 8015 GR	otal Metals Ag	CLP Metals A	CLP Semi Vol	CIWE API 85	CB's 8082/60	908 saticides 808 Hq ,2SJ ,0O	Aoisture Con Alorides		T brivotA mu` blot	Ĩ
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Relinquished by: Company: Date: RCD / M.P. 12/29/2	Date: Time: 12/29/2008 2:35 PM	Received by:		Company: Trace	Date: Time: 13-30-08 :4,3,	Time:	Temp°c: \\.(o	J°C		LAB USE ONLY	ISE C	R.	TPH 8015	3015 -	5RO/I	DRO, 1	3TX 8(REMARKS: TPH 8015 GRO/DRO, BTX 8021B &			}
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Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of COC	to Terms and Conditio	ns listed on	reverse s	ide of COC		ORIG	ORIGINAL COPY	λdC		Carrler #	1 1	FED-EX	7	719	-4830	0 - 4	549				
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Company Name:	email: lab@traceanalysis.com	ŏ	689-6313									Т
	Phone #:					ANAI	ANAI YSIS REGUEST	OUFST				
Yates Petroleum Corporation	505	-748-4217				(Circle of	Specify N	(Circle or Specify Method No.)	~			
Address: (Street, City, Zip)	Fax #:			-	-			-	-	-		
105 South Fourth Street, Artesia, NM 88210	505	-748-4662			2.00							
Contact Person:	E-mail:					7/71					q	
Robert Asher	boba@ypcnm.com	com									uep	
Invoice to:											neta	
PO# 105632											вшо	
Project # 20.015.20206	Project Name: Saduaro W	: ro Water Transfer			-IC			97			ող քս	
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	by: Company: Date:	Time:	Temp°c:	Intact	<u>Y/N</u>	Chlor	des (on :	Chiorides (on separate report).	eport).	Flease sllow	SIIOW	
				Headspa	Headspace Y/N	it result	results as mg/kg.		Thank you.			
Relinquished by: Company: Date: Time: Received by:	by: Company: Date:	Time:	Temp°c:	Log-in Review	view	•	Check If Sp	Check If Special Reporting Limits Are Needed	rting Limit	s Are Nee	ded	
Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of COC	everse side of COC	ORIGINAL COPY	. сорү	Carrier #								

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Page of page 34 of 37

ROJECT NAME	SAGAURO WATER	TRANSFAR	······································
IELD CODE	GS Comp-DO	GS(Comp-602	GSIComP-003
DATE	12/29/2008 -		
IME	1013A	1039A	1055A
SOIL TYPE	1011-		
SAMPLE TYPE	Girm or progel -		
SAMPLE DEPTH	1	21	A "- ("
ATITUDE			
ONGITUDE			
TEST TYPE	THA LARX -		2
COMMENTS	Sound Sine Broker		EXCAVATION ARD
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4			
FIELD CODE			
DATE			
TIME			
SOIL TYPE			
SAMPLE TYPE		1	
SAMPLE DEPTH			
LATITUDE			
LONGITUDE			
TEST TYPE			
COMMENTS			

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Bob Asher

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Tracking:	Recipient	Read
Subject:	Saguaro Water Transfer	
Cc:	'OCD Artesia (Sherry Bor	nham)'; Jerry Fanning
То:	' (mike.bratcher@state.nr	n.us)'
Sent:	Wednesday, December 2	4, 2008 2:18 PM
From:	Bob Asher	

RecipientRead' (mike.bratcher@state.nm.us)'OCD Artesia (Sherry Bonham)Jerry FanningRead: 12/29/2008 8:40 AM

I will be sampling at the Saguaro Water Transfer, Monday, 12/29/2008 at 10:00 AM.

Thank you.

Robert Asher Yates Petroleum Corporation boba@yatespetroleum.com 575-748-4217 (Office) 575-365-4021 (Cell) 575-748-4662 (Fax)

Please note new e-mail address.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
EOG Y RESOURCES, INC.	25575
104 S 4th St	Action Number:
Artesia, NM 88210	203468
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By		Condition Date
amaxwell	None	4/10/2023

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Action 203468