District II	Dr., Hobbs, f	NM 88240		Energy Min	nerals a	ind Natura	l Resources		Revised October 10, 2003					
1301 W. Grand	Avenue, Arte	sia, NM 88210		Oil C	onserv	vation Div	vision			Submit 2 C	opies t	o appropriate		
1000 Rio Brazos District IV	s Road, Azteo	c, NM 87410		1220	South	St. Franc	is Dr.			District (wi	Office i th Rule	in accordance e 116 on back		
1220 S. St. Fran	cis Dr., Santa	1 Fe, NM 87505		Sa	inta Fe	. NM 875	05				in rear	side of form		
			Rele	ease Notific	ation	and Co	rrective A	ction						
			EXCIN		anon		TOD	ction	····	1.0	57	Elizat David		
Name of Co	mnony O	VVHSA				OPERA	IOR Iton Beaird	<i>i</i>		al Report	<u> </u>	Final Report		
Address 150)2 W. Con	merce				Telephone No. (O) 575-628-4121 C) 575-390-1903								
Facility Nar	ne Jones	Canyon 4-6		1	1	Facility Typ	e Well with Ba	attery						
Surface Ow	ner BLM			Mineral C)wner B	LM			Lease	No. 300153	0948			
Surface of														
Linit Lattan	Castion	Township	Danga	LOCA	North/	OF REI	LEASE	Fact/W	lect Line	County				
Unit Letter	Section	Township	Kalige	reet nom the	INOTUI/			East w	est Line	County				
	4	228	24E							Eddy				
			La	titude		_ Longitud	le							
				NAT	TIRE	OF REL	FASF							
Type of Rele	ase Produc	ed Water			UIL	Volume of	Release 20		Volume I	Recovered	4			
Source of Re	lease Thru	st Chamber or	n SWD pu	mp		Date and H	lour of Occurrenc	ce	Date and	Hour of Dis	covery			
Was Immedi	ate Notice (Tiven?				If YES, To	Whom?		7-19-09					
			Yes 🗌	No 🗌 Not Re	quired	Mike Bratcher (left message)								
By Whom?	Rick Kerby	(HES-Oxy)				Date and H	lour See above							
Was a Water	course Read	ched?	Ves 🛛	1 No		If YES, Vo	olume Impacting t	the Wate	rcourse.					
If a Wetener	I			*										
If a watercou	urse was Im	pacted, Descr	ibe Fully.	T										
Describe Cau	use of Probl	em and Reme	dial Actio	n Taken.*										
The thrust ch	amber on th	he SWD pump	o was leak	ing. Vac-truck w	as called	to pick up re	emaining fluid							
Deceribe Ar	ha Affaatad	and Cleanup	Action Tal	kon *										
Area affected	d was on loo	cation. Deline	ation occi	urred and all level	s were b	elow RAL's	except TP6. At T	P6, 1 foc	ot of mater	ial was exca	vated a	ind hauled to		
an approved	disposal (L	ea Land). Cle	an like m	aterial was brough	nt in for l	backfill. All	other material wa	is left in j	place.					
I hereby cert	ifv that the	information g	iven abov	e is true and com	lete to th	ne best of my	knowledge and u	inderstar	d that pur	suant to NM	OCD r	ules and		
regulations a	ll operators	are required t	o report a	nd/or file certain	elease n	otifications a	nd perform correct	ctive acti	ons for re	eases which	may e	ndanger		
should their	or the envi	ronment. The nave failed to a	acceptan adequatel	ce of a C-141 rep v investigate and i	ort by the emediate	e NMOCD m e contaminat	ion that pose a thr	ceport" d reat to gr	oes not rel ound wate	neve the ope	rator o ater. hu	f liability iman health		
or the enviro	nment. In a	addition, NMC	CD accep	ptance of a C-141	report d	oes not reliev	ve the operator of	responsi	bility for o	compliance v	with an	y other		
federal, state	, or local la	ws and/or regu	ulations.		r			SEDV	ATION	DIVISIO	<u>)NI</u>			
	/ X		r				<u>OIL CON</u>	<u>SER v</u>	ATION	DIVISIO	<u>)</u>			
Signature:	<i>∮</i> .∕∕_	-		\checkmark										
Printed Nam	e: Kelton E	Beaird				Approved by	District Supervis	sor:						
Title: UES	Proviolist					Approval Da	to	T	Zunination					
THE HESS	specialist					Approval Da			sxpiration					
E-mail Addr	ess: kelton	_beaird@oxy.	com			Conditions o	f Approval:			Attached				
Date: 4-6-10)													
* Attach Addi	tional She	ets If Necess	ary		I									

State of New Mexico

Form C-141

District 1 1625 N. French Dr., Hobbs, NM 88240

-

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Oxy USA Analyst Bobby Steadham

Site Jones Canyon 4 Federal #6

Sample ID	Date	Depth	418.1 TPH / PPM	Cl / PPM	PID / PPM	GPS
TP1	3/11/10	3"	120	172	12.6	32°25.324' N 104°30 113' W
TP1	3/11/10	1'		178	11.7	32°25.324' N 104°30 113' W
TP1	3/11/10	2'		209	9.6	32°25.324' N 104°30 113' W
TP1	3/11/10	3'	46	173	4.2	32°25.324' N
TP2	3/11/10	3"	238	88	32.8	32°25.327' N
TP2	3/11/10	1'		143	11.7	32°25.327' N
TP2	3/11/10	2'		119	9.7	32°25.327' N 104°30,119' W
TP2	3/11/10	3'	111	84	2.6	32°25.327' N 104°30 119' W
TP3	3/11/10	3"	306	200	21.4	32°25.329' N 104°30 119' W
TP3	3/11/10	1'		239	4.5	32°25.329' N 104°30 119' W
TP3	3/11/10	2'		116	2.1	32°25.329' N 104°30 119' W
TP3	3/11/10	3'	71	88	2.9	32°25.329' N 104°30 119' W
TP4	3/11/10	3"	16	125	11.9	32°25.326' N 104°30.121' W
TP4	3/11/10	1'		87	5.4	32°25.326' N 104°30.121' W
TP4	3/11/10	2'		144	3.6	32°25.326' N 104°30.121' W
TP4	3/11/10	3'	10	115	1.0	32°25.326' N 104°30.121' W

Analyst Notes_

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Oxy USA Analyst Bobby Steadham

Site Jones Canyon 4 Federal #6

Sample ID	Date	Depth	418.1 TPH / PPM	Cl / PPM	PID / PPM	GPS
TP5	3/12/10	3"	1,269	279	45.9	32°25.323' N 104°30 123' W
TP5	3/12/10	1'		213	21.7	32°25.323' N 104°30 123' W
TP5	3/12/10	2'		269	3.7	32°25.323' N 104°30 123' W
TP5	3/12/10	3'	45	251	2.3	32°25.323' N 104°30 123' W
TP6	3/12/10	3"	11,921	106	74.3	32°25.325' N 104°30 125' W
TP6	3/12/10	1'	1,128	90	29.6	32°25.325' N 104°30.125' W
TP6	3/12/10	2'		117	12.0	32°25.325' N 104°30 125' W
TP6	3/12/10	3'	400	84	2.4	32°25.325' N 104°30 125' W
North Wall	3/12/10	1'	23	119	2.3	32°25.329' N 104°30 114' W
East Wall	3/12/10	1'	54	89	1.6	32°25.317' N 104°30 113' W
South Wall	3/12/10	1'	9	191	2.9	32°25.323' N 104°30 127' W
West Wall	3/12/10	1'	12	141	2.1	32°25.329' N 104°30 120' W

Analyst Notes_

Analytical Report 365593

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Oxy USA

Jones Canyon 4 Fed # 6

24-MAR-10



12600 West I-20 East Odessa, Texas 79765

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

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

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



24-MAR-10

Project Manager: Logan Anderson Elke Environmental, Inc. P.O. Box 14167 Odessa, TX 79768

Reference: XENCO Report No: 365593 Oxy USA Project Address: Jones Canyon 4 Fed # 6

Logan Anderson:

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 365593. 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. 365593 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,

WAY

Brent Barron, II Odessa Laboratory Manager

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· "这些"你们,这个人,你是你,我们这个个个人的是你?" "这个就是你的,你就是你们的你的,你们不是你,你不是你的?"

nelao

Sample Cross Reference 365593

Elke Environmental, Inc., Odessa, TX

Oxy USA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP2 @ 3'	S	Mar-11-10 13:00	3 ft	365593-001
TP3 @ 3'	S	Mar-11-10 14:00	3 ft	365593-002
TP4 @ 3'	S	Mar-11-10 16:30	3 ft	365593-003
TP5 @ 3'	S	Mar-12-10 08:00	3 ft	365593-004





Client Name: Elke Environmental, Inc. Project Name: Oxy USA

Project ID:Jones Canyon 4 Fed # 6Work Order Number:365593

Report Date: 24-MAR-10 Date Received: 03/15/2010

Sample receipt non conformances and Comments: None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-798460 Percent Moisture None

Batch: LBA-798498 TPH By SW8015 Mod None

Batch: LBA-798930 Inorganic Anions by EPA 300 None

Batch: LBA-798933 Anions by E300 None



Certificate of Analysis Summary 365593

Elke Environmental, Inc., Odessa, TX

 Project Id:
 Jones Canyon 4 Fed # 6

 Contact:
 Logan Anderson

 Project Location:
 Jones Canyon 4 Fed # 6

Project Name: Oxy USA

Date Received in Lab: Mon Mar-15-10 08:21 am

Report Date: 24-MAR-10

Project Manager: Brent Barron, II

	Lab Id:	365593-0	01	365593-0	02	365593-0)03	365593-(04		
Analysis Paguastad	Field Id:	TP2 @	3'	TP3 @	3'	TP4 @	3'	TP5 @	3'		
Analysis Kequesteu	Depth:	3 ft		3 ft		3 ft		3 ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL			
	Sampled:	Mar-11-10	13:00	Mar-11-10	14:00	Mar-11-10	16:30	Mar-12-10	08:00		
Anions by E300	Extracted:										
	Analyzed:	Mar-18-10	21:28	Mar-18-10	21:28	Mar-18-10	21:28	Mar-19-10	02:47		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		18.5	9.72	93.8	9.58	19.6	4.98	126	9.87		
Percent Moisture	Extracted:										
	Analyzed:	Mar-16-10	11:45	Mar-16-10	11:45	Mar-16-10	11:45	Mar-16-10	11:45		
	Units/RL:	%	RL	%	RL	%	RL	%	RL	 	
Percent Moisture		13.6	1.00	12.3	1.00	15.6	1.00	14.9	1.00		
TPH By SW8015 Mod	Extracted:	Mar-16-10	15:00	Mar-16-10	15:00	Mar-16-10	15:00	Mar-16-10	15:00		
· ·	Analyzed:	Mar-17-10	03:39	Mar-17-10	04:06	Mar-17-10	04:33	Mar-17-10	05:00		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
C6-C12 Gasoline Range Hydrocarbons		BRL	17.3	BRL	17.0	BRL	17.7	BRL	17.6		
C12-C28 Diesel Range Hydrocarbons		BRL	17.3	63.5	17.0	BRL	17.7	BRL	17.6		
C28-C35 Oil Range Hydrocarbons		BRL	17.3	BRL	17.0	BRL	17.7	BRL	17.6	 	
Total TPH		BRL	17.3	63.5	17.0	BRL	17.7	BRL	17.6		

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

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi Since 1990

Brent Barron, II

Odessa Laboratory Manager

Final Ver. 1.000

Flagging Criteria

- XENCO Laboratorics
- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL and above the SQL.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- **BRL** Below Reporting Limit.
- **RL** Reporting Limit
- * Outside XENCO's scope of NELAC Accreditation.

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2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
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12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



Form 2 - Surrogate Recoveries

Project Name: Oxy USA

Vork Orders : 365593	,	VC D.	Project II	D: Jones Can	yon 4 Fed #	<u>-</u> 6
Lab Batch #: /98498	Sample: 338311-1-BKS / BI	KS Batch	REPOGATE RE	Solid	STUDY	
Units: mg/kg	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		108	99.7	108	70-135	
o-Terphenyl		46.6	49.9	93	70-135	
Lab Batch #: 798498	Sample: 558311-1-BSD / B	SD Batch	n: 1 Matrix	Solid		
Units: mg/kg	Date Analyzed: 03/17/10 02:45	SUI	RROGATE RI	ECOVERY	STUDY	
ТРН Ј	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	Апатуиз	113	99.8	113	70-135	
o-Terphenyl		44.1	49.9	88	70-135	
I ah Ratch #• 798498	Sample: 558311-1-BLK / B	IK. Batch	- 1 Matrix	Solid	1	
Units: mg/kg	Date Analyzed: 03/17/10 03:12	SUI	RROGATE RI	ECOVERY	STUDY	<u> </u>
ТРН І	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	j	88.6	99.9	89	70-135	
o-Terphenyl		45.0	50.0	90	70-135	
Lab Batch #: 798498	Sample: 365593-001 / SMP	Batch	n: 1 Matrix	Soil		
Units: mg/kg	Date Analyzed: 03/17/10 03:39	SUI	RROGATE RI	ECOVERY	STUDY	<u></u>
ТРН І	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	7 Hilly (CS	88.0	99.9	88	70-135	
o-Terphenyl		44.1	50.0	88	70-135	
Lah Batch #: 798498	Sample: 365593-002 / SMP	Batcł	n: I Matrix	: Soil		<u>.</u>
Units: mg/kg	Date Analyzed: 03/17/10 04:06	SUI	RROGATE RI	ECOVERY	STUDY	
ТРН І	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [Đ]	Control Limits %R	Flags
1-Chlorooctane		92.3	99.6	93	70-135	
o-Terphenyl		45.5	49.8	91	70-135	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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



Form 2 - Surrogate Recoveries

Project Name: Oxy USA

Work Orders : 365593	ί,		Project II	D: Jones Can	yon 4 Fed #	± 6
Lab Batch #: 798498	Sample: 365593-003 / SMP	Bate	h: ¹ Matrix	:Soil		
Units: mg/kg	Date Analyzed: 03/17/10 04:33	SU	RROGATE RI	ECOVERY	STUDY	
ТРН	By SW8015 Mod Analvtes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		90.9	99.8	91	70-135	ļ
o-Terphenyl		44.8	49.9	90	70-135	
Lab Batch #: 798498	Sample: 365593-004 / SMP	Batc	h: 1 Matrix	:Soil	<u></u>	
Units: mg/kg	Date Analyzed: 03/17/10 05:00	SU	RROGATE RI	ECOVERY	STUDY	,
ТРН	By SW8015 Mod Analvtes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		88.3	100	88	70-135	
o-Terphenyl		43.9	50.0	88	70-135	
Lab Batch #: 798498	Sample: 365593-001 S / MS	Batc	h: ¹ Matrix	:Soil	<u></u>	
Units: mg/kg	Date Analyzed: 03/17/10 10:01	SU	RROGATE RI	ECOVERY	STUDY	
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	7 Hury 000	112	99.5	113	70-135	i
o-Terphenyl		43.5	49.8	87	70-135	
Lab Batch #: 798498	Sample: 365593-001 SD / M	ISD Batc	h: ¹ Matrix	:Soil	<u> </u>	
Units: mg/kg	Date Analyzed: 03/17/10 10:29	SU	RROGATE RI	ECOVERY S	STUDY	
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		106	99.8	106	70-135	
o-Terphenyl		41.4	49.9	83	70-135	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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



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Project Name: Oxy USA

Work Order #: 365593			Pr	oject ID:	Jone	s Canyon 4	Fed # 6
Lab Batch #: 798930	Sa	mple: 798930-	1-BKS	Matrix:			
Date Analyzed: 03/18/2010	Date Prep	oared: 03/18/20	010	LATCOF	ł		
Reporting Units: mg/kg	Ba	Batch #: 1 BLANK /BLANK SPIKE RECO					STUDY
Anions by E300)	Blank Result [A]	Spike Added [B]	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags
Analytes			[C]	[D]			
Chloride		<0.420	11.0	11.6	105	75-125	
Lab Batch #: 798933	Sa	Sample: 798933-1-BKS Matrix: Solid					
Date Analyzed: 03/19/2010	Date Prej	Prepared: 03/19/2010 Analyst: LATCOR					
Reporting Units: mg/kg	Ba	t ch #: 1	BLANK /]	BLANK SPI	KE REC	COVERY S	STUDY
Anions by E300)	Blank Result [A]	Spike Added [B]	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags
Analytes			[C]	[D]			
Chloride	< 0.420	10.0	9.31	93	75-125		

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





Project Name: Oxy USA

Work Order #: 365593 Analyst: BEV Lab Batch ID: 798498 Sample: 558311-1 Units: mg/kg	D: -BKS	Project ID: Jones Canyo Date Prepared: 03/16/2010 Date Analyzed: 03/17/2010 KS Batch #: Matrix: Solid BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUD							on 4 Fed #	6	
TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.0	997	1040	104	998	1120	112	7	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	997	918	92	998	959	96	4	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)| Blank Spike Recovery [D] = 100*(C)/[B] Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes



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Form 3 - MS Recoveries



Project Name: Oxy USA

Work Order #: 365593							
Lab Batch #: 798930				Pro	oject ID:	Jones Cany	on 4 Fed # (
Date Analyzed: 03/18/2010	Date P	repared: 03/1	8/2010	A	nalyst: L	ATCOR	
QC- Sample ID: 365405-008 S		Batch #: 1		Γ	Matrix: So	oil	
Reporting Units: mg/kg	MATRIX / MATRIX SPIKE RECOVERY STUDY						DY
Inorganic Anions by EPA 300		Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes		[[A]	[B]				
Chloride		· 6400	2310	8820	105	75-125	
Lab Batch #: 798933							
Date Analyzed: 03/19/2010	Date F	repared: 03/1	9/2010	A	analyst: L	ATCOR	
QC- Sample ID: 365593-004 S		Batch #: 1		I	Matrix: S	oil	
Reporting Units: mg/kg		MATE	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300		Parent Sample Result	Spike Added 1Bl	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes							
Chloride		126	235	336	89	75-125	

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

BRL - Below Reporting Limit



Project Name: Oxy USA



Work Order #: 365593						Project II	D: Jones C	Canyon 4 I	Fed # 6		
Lab Batch ID: 798498 Date Analyzed: 03/17/2010	QC- Sample ID: Date Prepared:	365593 03/16/2	-001 S 010	Ba An	tch #: alyst:	l Matri BEV	c: Soil				
Reporting Units: mg/kg		N	IATRIX SPIKI	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
TPH By SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
C6-C12 Gasoline Range Hydrocarbons	<17.3	1150	1300	113	1160	1180	102	10	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<17.3	1150	1140	99	1160	1110	96	3	70-135	35	

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

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

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



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Sample Duplicate Recovery

Project Name: Oxy USA

Work Order #: 365593

Lab Batch #: 798930				Project I	D: Jones Ca	nyon 4 Fed					
Date Analyzed: 03/18/2010	Date Prepar	ed: 03/18/2010	Ana	lyst:LATC	OR						
QC- Sample ID: 365405-008 D	Batch	1#: 1	Ma	trix: Soil							
Reporting Units: mg/kg		SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY					
Anions by E300		Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag					
Chloride		6400	6510	2	20						
Lab Batch #• 798933					1	I					
Date Analyzed: 03/19/2010	Date Prepar	ed:03/19/2010	Ana	lyst:LATC	OR						
OC- Sample ID: 365593-004 D	Batch	Batch #: 1 Matrix: Soil									
Reporting Units: mg/kg	SAMPLE / SAMPLE DUPLICATE RECOVERY										
Anions by E300		Parent Sample Result [A]	Sample Duplicate Result 1Bl	RPD	Control Limits %RPD	Flag					
Chlorida	<u></u>	126	126		20						
Chionae		120	120	0	20						
Lab Batch #: 798460 Date Analyzed: 03/16/2010	Date Prepar	ed: 03/16/2010	Ana	llyst:JLG							
Lab Batch #: 798460 Date Analyzed: 03/16/2010 QC- Sample ID: 365593-001 D	Date Prepar Batcł	ed:03/16/2010	Ana Ma	llyst:JLG trix: Soil							
Lab Batch #: 798460 Date Analyzed: 03/16/2010 QC- Sample ID: 365593-001 D Reporting Units: %	Date Prepar Batcł	ed: 03/16/2010 n #: 1 SAMPLE /	Anz Ma SAMPLE	ilyst: JLG trix: Soil DUPLIC	ATE REC	OVERY					
Lab Batch #: 798460 Date Analyzed: 03/16/2010 QC- Sample ID: 365593-001 D Reporting Units: % Percent Moisture Analyte	Date Prepar Batch	ed: 03/16/2010 n #: 1 SAMPLE / Parent Sample Result [A]	Ana Ma SAMPLE Sample Duplicate Result [B]	ilyst: JLG trix: Soil DUPLIC RPD	ATE REC Control Limits %RPD	OVERY Flag					

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

BRL - Below Reporting Limit

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	FIEI TP TP TP	LD CODE ر و ع' ر و ع'	Beginning Depth	V. W. V. Ending Depth	Cri Ville	Time Sampled	Field Filtered	Total #. of Containers	1 tes BING	HC	H ₅ SO4	Ne ₂ S ₂ O ₃	None	Other (Specify)	N V N GW-Drinking Water StSkulge	N N N 181. COURSES	17 17 1005 TX 1006	Cations (Ca, Mg. Na, K)	Ariora CL. SO4. Alkalinky)	SARIESPICEC	Metade: As Ag Ba Cd Cr Pb Hg S	Volatifies	Serrivolatiles	BIEX 802185630 or BTEX 8260					RUSH TAT (Preschedule) 24, 4	
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Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client:	Elke Env.
Date/ Time:	3.15.10 8:21
Lab ID # :	365593
Initials:	AL

Sample Receipt Checklist

#1	Temperature of container/ cooler?	Yes	No	-8.1 °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?	Cres	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)?	Xes)	No	ID written on Cont./ Lid	
f9	Container label(s) legible and intact?	res	No	Not Applicable	
10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yès)	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?	(¥es)	No		
‡17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
<u> </u>	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?	Xes)	No	Not Applicable	

Variance Documentation

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

Check all that Apply:

See attached e-mail/ fax

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

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