

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pPAC0627638110

1RP - 1063 SOUTHERN UNION GAS COMPANY

HOBBS OCD

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

INCD 1 LOW 1019432769 ADM PLW5 10 1943 3095

State of New Mexico

JAN Energy Minerals and Natural Resources

Oil Conservation Division RECEIVED 20 South St. Francis Dr. Santa Fe. NM 87505

RECEIVED

Form C-141

HOBBSOCD

JUL 1 4 2010 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

side of form

			Rele	ease Notific	catio	on and Co	rrective A	ction	1		_	
						OPERAT		/		al Report		Final Repo
Name of Co	ompany	Southern U	Jnion Ga	s Services		Contact Ro)		
Address		P.O. Box 12	26 Jal. N	lew Mexico 882	252	Telephone N	No. 432-940-51	47				
Facility Na	me	G-Loop L	ine 8-Inc	h Lateral		Facility Typ	e Natural Gas	Pipelin	ie			
Surface Ow	ner El F	Paso Natural	Gas	Mineral (Owner				Loase N	10/30.0	75.	38822
				LOC	ATIC	ON OF REI	LEASE		Hal			
Unit Letter	Section	Township	Range	Feet from the		h/South Line	Feet from the	East/	West Line	County		
G	7	26S	37E							Lea		
				Latitude 3	2.0602	25 Longitud	e 103.119775					
				NAT	ruri	E OF REL	EASE					
Type of Rele	ease Crude	Oil and Produ	ced Water			Volume of	Release 6 BE	LS	Volume F	Recovered (BBL	_S
Source of Re	elease 8-In	nch Steel Pipel	line				lour of Occurren	ce		Hour of Dis		у
Was Immedi	iata Notica	Gwan?				If YES, To	Whom?		July 1, 20	10, 1140 hr	5	
was minicul	rate Notice		Yes [No Not R	Require		without.					
By Whom?						Date and H						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Was a Water	rcourse Rea		Yes 🛭	No		If YES, Vo	olume Impacting	the Wat	ercourse.			
If a Waterco	urse was In	npacted, Descr	ibe Fully.	*				-				
			,									
Describe Ca	use of Prob	lem and Reme	dial Actio	n Taken.*				_				V3
				steel pipeline, res				ely 1.00	0 square fee	t. The pipel	ine wa	as fitted with a
temporary p	ipeline clan	np to mitigate	the release	e. No H2S was do	etected	from the releas	e.					
		and Cleanup									200	
An area mea	asuring appr	roximately 1.5	00 square	feet was affected	by the	release. Clean	sorb was applied	to the	surface stair	to further s	tabiliz	ze the release
				s along the fence atory guidelines.	line to	minimize the po	otential for travel	outside	the station	during a raii	i even	it. The release
				e is true and com								
				nd/or file certain ce of a C-141 rep								
should their	operations	have failed to	adequatel	y investigate and	remed	rate contaminat	ion that pose a th	reat to g	ground wate	r, surface wa	iter. h	uman health
or the enviro	onment. In	addition. NMO	OCD acce	ptance of a C-14	l repor	t does not reliev	ve the operator of	respon	sibility for c	ompliance v	vith a	ny other
federal, state	e, or local la	aws and/or reg	ulations			1	OF CON	CEDY	LATION	DIVICIO	IAC	
	X	0 (1	-(,			OIL CON	SER	1 3		N	
Signature:	200	sed.	NO	94					- Dhin	Soma		
Printed Nan	ne. Ro	SC L.	Slad	R	· · · · · · · · · · · · · · · · · · ·	Approved by	District SHOP	FONM	ENTAL	ENGINEE	R	
Title: EH	S Com	pliance S	Special	st		Approval Da	ite. 7.13.10		Expiration	Date.	7.1	3.10
E-mail Add	ress: rose	z. slada @	Sug. (ion		Conditions of	of Approval.			Attached		
Date 7/9	12010	1631		: 432.940-51	147	Submit	FINAL C.141	w De	CS By			2581
 Attach Add 	ittional She	eets If Neces	sary									

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. JAN 17 2013

Form C-141 Revised October 10, 2003

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

Santa Fe, NM 87505 Release Notification and Corrective Action

						OPERAT	OR		nitial Rep	ort 🔲 I	Final Repor
Name of Co	mpany	Southe	rn Unio	n Gas Services, Lt		Contact					ny Savoie
Address		P.C		26 Jal, N.M. 882		Telephone N				NAME AND ADDRESS OF TAXABLE PARTY.	-395-2116
Facility Nar	ne		Lea	County Field De	pt. F	Facility Type	•			Natural Gas	Gathering
Surface Ow	ner: D.K.	Boyd		Mineral Ow	mer: F	ederal		Lea	se No.		
				LOCAT	TION	OF REL	EASE				
Unit Letter	Section	Township	Range			South Line	Feet from the	East/West Li	ne Cour	nty	
С	35	26S	37E							Lea	a
		-		Latitude N32 0		Longitude OF RELE		8			
Type of Rele	ase : Crude	oil, water and	natural g		7141	Volume of	Release: 83 mci	gas, Volu	me Recove	ered 40 bb	ls
Source of Re	lease			Pipeline		Date and H	our of Occurrence			of Discovery	9/26/06
		01 0		***************************************		Unknown		Time	: 11:00 a.n	n.	
Was Immedia	ate Notice		Yes [No Not Req	uired	If YES, To NMOCD of	Whom? n call Rep. Gary	Wink			
		, Southern Un	ion Gas S	Services			our: 9/26/06 11:			A CONTRACTOR OF THE CONTRACTOR	
Was a Water	course Rea		Yes 🗵	No		If YES, Vo	lume Impacting	the Watercours	.,	000	
If a Watercon	urse was In	pacted, Descri	ibe Fully.	*		3.				engor - 1	7.1
									F	9Vi930/7	
operations.	Normal of	perating pres	sure on t	eximately 40 bbls the line is 20 psi to ken. The affected ar	30 ps	si, with a pot	ential H2S con	tent of 4000	ppm.		
NMOCD Re	commende	d Guidelines F	or The Re	vill start after the lar emediation of Leaks	and S	pills.			179		
regulations a public health should their o or the environ	or the envioperations on the envioperations of the envio	are required to ironment. The have failed to	o report a acceptan adequately OCD accep	e is true and comple nd/or file certain rel ce of a C-141 report y investigate and rer ptance of a C-141 re	ease no t by the nediate	otifications are NMOCD made contamination	nd perform corre arked as "Final F on that pose a th	ctive actions for teport" does no reat to ground	or releases of t relieve the water, surfi	which may end ne operator of lace water, hun	danger liability nan health
							OIL CON	SERVATI	ON DIV	ISION	
Signature:				Tony Savoie							
Printed Nam	e:			John A. Savoie	-	Approved by	District Supervis	sor:			
Title:			ЕН&	S Comp. Coord.		Approval Dat	e: < \\(\)		n Date:		
E-mail Addr	ess:		tony.savo	ic@sug.com		Conditions of	S V G	AVLLE	Att	tached	
Date: 9/29/00		ets If Necess		none: 505-395-211			- NOI				,
MC	iden	t-ni	DAC	062763 062763	79	60	117	1113		RP7	±100
appli	catu	m-p	17/10	NEX/4)	- 1		MATO	r			

CONCENTRATIONS OF BTEX, TPH AND CHLORIDE IN SOIL

RECEIVED

CES	TE	0	963
SOUTHERN UNION GAS SERVICES	2C 8 INCH LINE RELEASE SITE	LEA COUNTY, NEW MEXICO	NMOCD REFERENCE # 1RP-106

				An concening	an concentrations are reported in mg ng	9 8 9 11 11 11						
		A 10 10 10 10 10 10 10 10 10 10 10 10 10		METHODS:	METHODS: SW 846-8021b				METHOD: SW 8015M	W 8015M		E 300.1
THE PARTY OF THE P	SAMPLE			T. Marian			TOTAL	TPH	TPH	HAL	TOTAL	
SAMPLE LUCATION	DATE	BENZENE TOLUENE	TOLUENE	BENZENE	m, p-	XYLENE	BTEX	GRO	DRO	ORO	TPH	CHLORIDE
								C6-C12	C12-C28	L28-L35	C6-C35	
Background	12/11/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	39.6
一個 一		STEEL STREET										
RP @ 15'	12/12/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<28.1	<28.1	<28.1	<28.1	118
S S/W @ 14'	12/12/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<28.1	<28.1	<28.1	<28.1	135
S S/W-1 @ 14'	12/12/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<27.5	<27.5	<27.5	<27.5	70.9
RP-1 @ 15'	12/12/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<27.8	<27.8	<27.8	<27.8	113
N S/W-1 @ 14'	12/19/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<27.2	<27.2	<27.2	<27.2	100
N S/W @ 14'	12/19/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<27.5	<27.5	<27.5	<27.5	21.3
F1 @ 10	12/20/12	0.00103	<0.00200	<0.00100	<0.00200	<0.00100	0.00103	<27.5	<27.5	<27.5	<27.5	33.3
F2 @ 10'	12/20/12	0.00181	<0.00200	<0.00100	<0.00200	<0.00100	0.00181	<27.8	<27.8	<27.8	<27.8	25
N S/W 3 @ 9'	12/20/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.9	<26.9	6.95>	<26.9	2.59
N S/W 2 @ 9'	12/20/12	0.00158	<0.00200	<0.00100	<0.00200	<0.00100	0.00158	<27.2	<27.2	<27.2	<27.2	8.14
E S/W @ 14'	12/20/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<27.2	<27.2	<27.2	<27.2	12.5
W S/W @ 14'	12/20/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<27.2	<27.2	<27.2	<27.2	36.1
SP	12/26/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.5	<25.5	<25.5	<25.5	59.1
The second secon							A STATE OF THE PARTY OF THE PAR					

CONCENTRATIONS OF BTEX, TPH AND CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
G-LOOP LINE 8 INCH LATERAL HISTORICAL RELEASE SITE

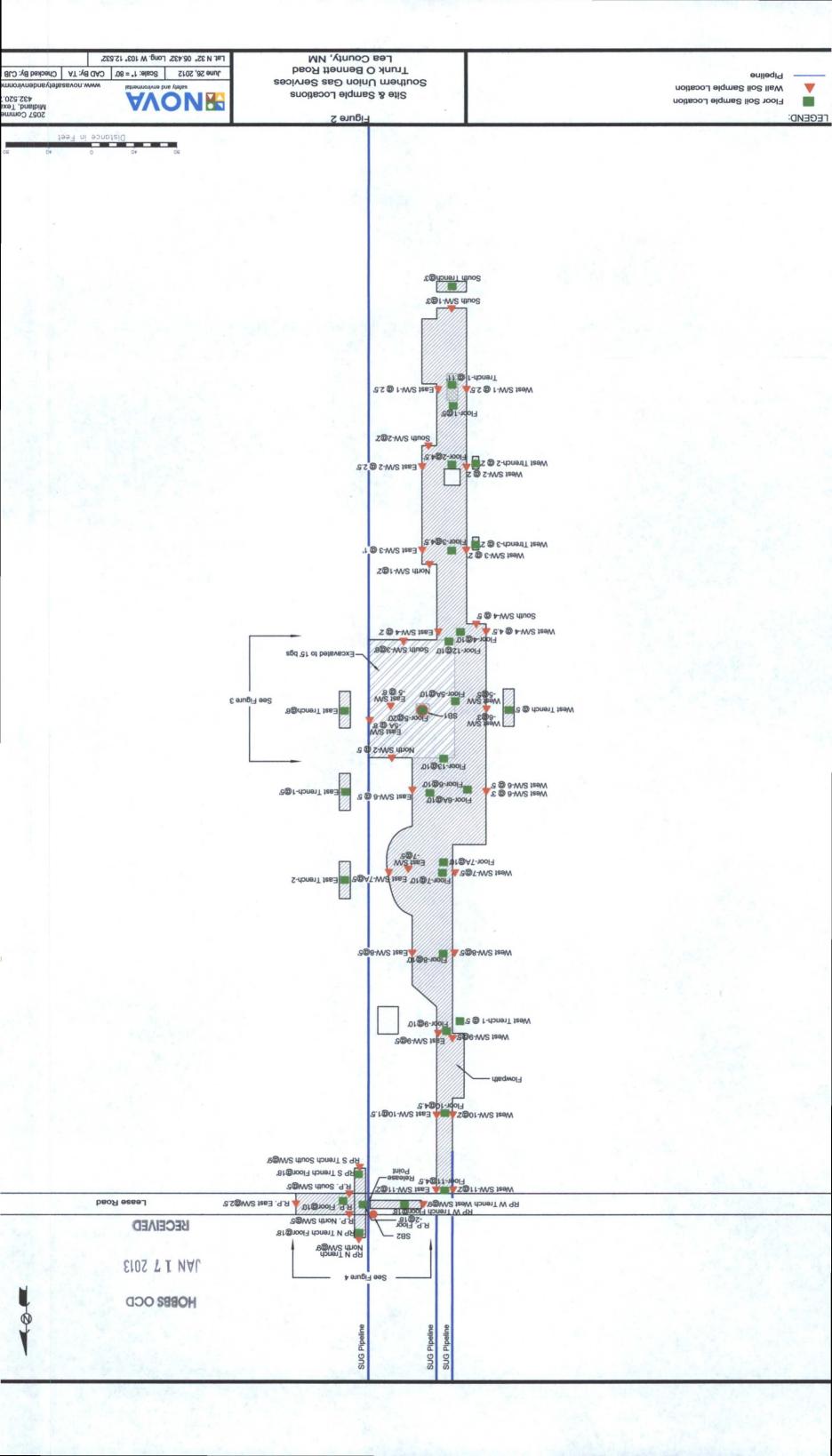
LEA COUNTY, NEW MEXICO NMOCD REFERENCE # 1RP-2581

HOBBS OCD

rations are reported in mo/Ko

RECEIVED

	_		_			_	_	_	_	
	E 300.1	CHLORIDE		18.1	3.25	129	1.51	33.4	40.1	A CONTRACTOR OF STREET
		TOTAL TPH	C6-C35	<16.0	<15.8	<16.1	<17.7	<16.0	290	
OH ALION	W 8015M	TPH ORO	C28-C35	<16.0	<15.8	<16.1	<17.7	<16.0	<15.6	
	METHOD: SW 8015M	TPH	C12-C28	<16.0	<15.8	<16.1	<17.7	<16.0	290	
		TPH	C6-C12	<16.0	<15.8	<16.1	<17.7	<16.0	<15.6	
		TOTAL	DIEA	<0.00214	<0.00210	<0.00215	<0.00235	<0.00212	<0.00206	
d in mg/Kg		0 -	ALLENE	<0.00107	<0.00105	<0.00107	<0.00117	<0.00106	<0.00103	
All concentrations are reported in mg/Kg	W 846-8021b	m, p -	ALEMES	<0.00214	<0.00210	<0.00215	<0.00235	<0.00212	<0.00206	
All concentra	METHODS: SW 846-8021b	ETHYL- m, p -	DENZENE	<0.00107	<0.00105	<0.00107	<0.00117	<0.00106	<0.00103	
				<0.00214	<0.00210	<0.00215	<0.00235	<0.00212	<0.00206	
		AMPLE BENZENE TOLUENE		01/07/13 <0.00107	< 0.00105	< 0.00107	< 0.00117	<0.00106	<0.00103	
		SAMPLE DATE		01/07/13	01/08/13	01/08/13	01/08/13	01/08/13	01/08/13	
		SAMPLE LOCATION		RP @ 4'	N S/W @ 3'	E S/W @ 3'	S S/W @ 3'	W S/W @ 3'	SP-1	



HOBBS OCD

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
TRUNK "O" BENNETT ROAD 5-7-12 RELEASE SITE
LEA COUNTY, NEW MEXICO

RECEIVED

SAMPLE BENZENE FITH TOTAL INPORTAGE STREET FOLTON ACCORDING TOTAL INPORTAGE STREET FOLTON ACCORDING ACCO					All concentra	All concentrations are reported in mg/Kg	d in mg/Kg			METHOD.	WY COLEN		E 300 1
05/23/12 0.00110 0.00220 0.00110 0.00220 0.000110 0.00220 0.00012 0.00220 0.000110 0.00220 0.000110 0.00220 0.000110 0.00220 0.000110 0.00220 0.000110 0.00220 0.000110 0.00220 0.000110 0.00220 0.000110 0.00220 0.000110 0.00220 0.000110 0.00220 0.000110 0.00020 0.00012	SAMPLE LOCATION	SAMPLE	BENZENE			m, p -	o- XYLENE	TOTAL	GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	TPH ORO C ₂₈ -C ₃₅	TOTAL TPH C _o -C _{3s}	CHLORIDE
65/23/12 Ca00110 Ca00220 Ca100110 Ca00220 Ca100110 Ca00220 Ca100110 Ca100220 Ca100110 Ca100220 Ca100110 Ca100220 Ca100220 Ca100110 Ca100220 <	NMOCD Regulatory L	imit	10		,			20				2,000	,
65/23/12 ch00101 c00201 0.00438 ch00201 0.00220 c16.6 c16.6 c16.6 c16.6 65/23/12 ch00101 c,000220 c,000107 c,000220 c,000107 c,000220 c,000107 c,000220 c,16.1 c,16.1 c,16.1 65/23/12 c,000107 c,000107 c,000107 c,000107 c,000107 c,000107 c,000204 c,16.1 c,16.1 c,16.1 c,16.1 65/23/12 c,000107 c,000107 c,000107 c,000107 c,000107 c,000107 c,000107 c,000107 c,16.1 c,16.1 c,16.1 c,16.1 65/23/12 c,000104 c,000209 c,000104 c,000209 c,000104 c,000209 c,16.1 c,15.2 c,15.7 c,15.7 </td <td>South S/W-1 @ 3'</td> <td>05/23/12</td> <td><0.00110</td> <td><0.00220</td> <td><0.00110</td> <td><0.00220</td> <td><0.00110</td> <td><0.00220</td> <td><16.5</td> <td><16.5</td> <td><16.5</td> <td><16.5</td> <td>448</td>	South S/W-1 @ 3'	05/23/12	<0.00110	<0.00220	<0.00110	<0.00220	<0.00110	<0.00220	<16.5	<16.5	<16.5	<16.5	448
65/23/12 C,000110 C,000220 C,00010 C,000220 C,16.0 C,16.1 C,16.1 <t< td=""><td>West S/W-1 @ 2.5'</td><td>05/23/12</td><td><0.00101</td><td><0.00201</td><td>0.00438</td><td><0.00201</td><td>0.00203</td><td>0.00641</td><td><15.1</td><td><15.1</td><td><15.1</td><td><15.1</td><td>62.9</td></t<>	West S/W-1 @ 2.5'	05/23/12	<0.00101	<0.00201	0.00438	<0.00201	0.00203	0.00641	<15.1	<15.1	<15.1	<15.1	62.9
65/23/12 0,000107 0,000214 0,000107 0,000210 0,153	East S/W-1 (a) 2.5'	05/23/12	<0.00110	<0.00220	<0.00110	<0.00220	<0.00110	<0.00220	<16.6	<16.6	<16.6	<16.6	12.7
65723/12 0.000105 0.000210 0.000105 0.000203 0.000203 0.1533	Floor-1 (a) 5'	05/23/12	<0.00107	<0.00214	<0.00107	<0.00214	<0.00107	<0.00214	<16.1	<16.1	<16.1	<16.1	364
65/23/12 -0,00101 -0,00203 -0,00104 -0,00209 -0,00104 -0,00209 -15.3 -15.3 -15.3 -15.3 65/23/12 -0,00104 -0,00209 -0,00104 -0,00209 -15.00104 -0,00209 -15.2 -15.5 -15.2 -15.5 -15.2 -15.5 -15.5 -15.5 -15.5 -15.5 -15.5 -15.6 -15.0<	Trench-1 (a) 11'	05/23/12	<0.00105	<0.00210	<0.00105	<0.00210	<0.00105	<0.00210	<15.9	<15.9	<15.9	<15.9	448
65/23/12 -0.00104 -0.00208 -0.00104	West S/W-2 (a) 2'	05/23/12	<0.00101	<0.00203	<0.00101	<0.00203	<0.00101	<0.00203	<15.3	<15.3	<15.3	<15.3	328
65/23/12 c.0.00104 c.0.00107 c.0.00107 c.0.00107 c.0.00107 <a href"="">c.0.00107	Floor-2 (a, 4.5)	05/23/12	<0.00104	<0.00209	<0.00104	<0.00209	<0.00104	<0.00209	<15.5	31.2	<15.5	31.2	5.02
65/23/12 C0.00104 C0.00208 C0.00104 C0.00208 C0.00104 C0.00208 C0.00208 C15.0 C15.0 <t< td=""><td>East S/W-2 (a) 2.5'</td><td>05/23/12</td><td><0.00104</td><td><0.00208</td><td><0.00104</td><td><0.00208</td><td><0.00104</td><td><0.00208</td><td><15.7</td><td><15.7</td><td><15.7</td><td><15.7</td><td>5.32</td></t<>	East S/W-2 (a) 2.5'	05/23/12	<0.00104	<0.00208	<0.00104	<0.00208	<0.00104	<0.00208	<15.7	<15.7	<15.7	<15.7	5.32
05/23/12 C0.00503 C0.0101 C0.00503 C0.0101 C0.00503 C0.0101 C0.00213 C15.0 C	Floor-3 (a, 4.5'	05/23/12	<0.00104	<0.00208	<0.00104	<0.00208	<0.00104	<0.00208	<15.6	41.8	<15.6	41.8	18.9
05/23/12 <a.000106< td=""> <a.0.00213< td=""> <a.0.00106< td=""> <a.0.002108< td=""> <a.15.6< td=""> <a.14.9< a<="" td=""><td>East S/W-3 @ 1'</td><td>05/23/12</td><td><0.00503</td><td><0.0101</td><td><0.00503</td><td><0.0101</td><td><0.00503</td><td><0.0101</td><td><15.0</td><td><15.0</td><td><15.0</td><td><15.0</td><td>8.0</td></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.14.9<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.15.6<></a.0.002108<></a.0.00106<></a.0.00213<></a.000106<>	East S/W-3 @ 1'	05/23/12	<0.00503	<0.0101	<0.00503	<0.0101	<0.00503	<0.0101	<15.0	<15.0	<15.0	<15.0	8.0
05/23/12 <th< td=""><td>West S/W-3 (a) 2'</td><td>05/23/12</td><td><0.00106</td><td><0.00213</td><td><0.00106</td><td><0.00213</td><td><0.00106</td><td><0.00213</td><td><15.9</td><td>25.2</td><td><15.9</td><td>25.2</td><td>358</td></th<>	West S/W-3 (a) 2'	05/23/12	<0.00106	<0.00213	<0.00106	<0.00213	<0.00106	<0.00213	<15.9	25.2	<15.9	25.2	358
05/32/12 - - - - 922 10,800 1,320 13,000 05/30/12 - - - - 922 10,800 1,320 13,000 05/30/12 - - - - - - 14,9 <14,9	East S/W-4 @ 2'	05/23/12	<0.00104	<0.00208	<0.00104	<0.00208	<0.00104	<0.00208	<15.6	<15.6	<15.6	<15.6	92.2
05/30/12 <a.box 12<="" td=""> <td< td=""><td>Baseline</td><td>05/23/12</td><td></td><td></td><td></td><td>-</td><td>-</td><td>-</td><td>922</td><td>10,800</td><td>1,320</td><td>13,000</td><td>522</td></td<></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box></a.box>	Baseline	05/23/12				-	-	-	922	10,800	1,320	13,000	522
06/30/12 <0.000123													
06/04/12 <a.000605< td=""> <a.00121< td=""> <a.000605< td=""> <a.00121< td=""> <a.000605< td=""> <a.00121< td=""> <a.000107< td=""> <a.000109< td=""> <a< td=""><td>West S/W-6 (a) 3'</td><td>05/30/12</td><td><0.00123</td><td><0.00247</td><td><0.00123</td><td><0.00247</td><td><0.00123</td><td><0.00247</td><td><14.9</td><td><14.9</td><td><14.9</td><td><14.9</td><td>15.6</td></a<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000109<></a.000107<></a.000107<></a.000107<></a.000107<></a.000107<></a.000107<></a.000107<></a.000107<></a.000107<></a.000107<></a.000107<></a.00121<></a.000605<></a.00121<></a.000605<></a.00121<></a.000605<>	West S/W-6 (a) 3'	05/30/12	<0.00123	<0.00247	<0.00123	<0.00247	<0.00123	<0.00247	<14.9	<14.9	<14.9	<14.9	15.6
06/04/12 <a. broad="" colo<="" colored="" td="" the="" to=""><td>Floor-4 @ 10'</td><td>05/30/12</td><td><0.00605</td><td><0.0121</td><td><0.00605</td><td><0.0121</td><td><0.00605</td><td><0.0121</td><td><15.0</td><td>15.6</td><td><15.0</td><td>15.6</td><td>84.8</td></a.>	Floor-4 @ 10'	05/30/12	<0.00605	<0.0121	<0.00605	<0.0121	<0.00605	<0.0121	<15.0	15.6	<15.0	15.6	84.8
06/04/12 <a.0.00107< th=""> <a.0.00107< th=""> <a.0.00107< th=""> <a.0.00107< th=""> <a.0.00104< th=""> <a.0.00104< th=""> <a.0.00207< th=""> <a.16.1< th=""> <</a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.16.1<></a.0.00207<></a.0.00104<></a.0.00104<></a.0.00107<></a.0.00107<></a.0.00107<></a.0.00107<>													
06/04/12 <0.00104	Floor-5 @ 20'	06/04/12	<0.00107	<0.00215	<0.00107	<0.00215	<0.00107	<0.00215	<16.1	<16.1	<16.1	<16.1	2,100
06/04/12 <0.00104	East S/W-5 @ 8'	06/04/12	<0.00104	<0.00207	<0.00104	<0.00207	< 0.00104	<0.00207	<15.5	<15.5	<15.5	<15.5	5,700
06/05/12 <a. bound="" broad="" co<="" colored="" of="" td=""><td>East Trench @ 8'</td><td>06/04/12</td><td><0.00104</td><td><0.00209</td><td><0.00104</td><td><0.00209</td><td>< 0.00104</td><td><0.00209</td><td><15.6</td><td><15.6</td><td><15.6</td><td><15.6</td><td>15.8</td></a.>	East Trench @ 8'	06/04/12	<0.00104	<0.00209	<0.00104	<0.00209	< 0.00104	<0.00209	<15.6	<15.6	<15.6	<15.6	15.8
06/05/12 <0.00106													
06/05/12 <0.00103 <0.00206 <0.00103 <0.00206 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.6 <15.7 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <17.8 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 </td <td>Floor-6 @ 10'</td> <td>06/05/12</td> <td><0.00106</td> <td><0.00213</td> <td><0.00106</td> <td><0.00213</td> <td><0.00106</td> <td><0.00213</td> <td><16.1</td> <td><16.1</td> <td><16.1</td> <td><16.1</td> <td>771</td>	Floor-6 @ 10'	06/05/12	<0.00106	<0.00213	<0.00106	<0.00213	<0.00106	<0.00213	<16.1	<16.1	<16.1	<16.1	771
06/05/12 <a.000588< th=""> <a.00118< th=""> <a.000588< th=""> <a.00118< th=""> <a.000188< th=""> <a.01118< th=""> <a.17.8< th=""> <a.17.9< th=""> <a.15.0< th=""> <a.15.0< th=""> <a.15.0< th=""> <a.15.0< th=""> <a.15.0< th=""> <a.15.7< th=""></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.7<></a.15.0<></a.15.0<></a.15.0<></a.15.0<></a.15.0<></a.17.9<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.17.8<></a.01118<></a.000188<></a.00118<></a.000588<></a.00118<></a.000588<>	East S/W-6 @ 5'	06/05/12	<0.00103	<0.00206	<0.00103	<0.00206	<0.00103	<0.00206	<15.6	<15.6	<15.6	<15.6	365
06/06/12 <a. a="" brackless<=""> <a. brackless<="" th=""> <a. a="" brackless<=""> <a. brackless<="" th=""> <a. brac<="" td=""><td>East Trench -1 @ 5'</td><td>06/05/12</td><td><0.00588</td><td><0.0118</td><td><0.00588</td><td><0.0118</td><td><0.00588</td><td><0.0118</td><td><17.8</td><td><17.8</td><td><17.8</td><td><17.8</td><td>12.5</td></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.></a.>	East Trench -1 @ 5'	06/05/12	<0.00588	<0.0118	<0.00588	<0.0118	<0.00588	<0.0118	<17.8	<17.8	<17.8	<17.8	12.5
06/06/12 <0.00099 <0.00198 <0.00198 <0.00198 <0.00198 <0.00199 <0.00199 <0.00199 <0.00109 <0.00109 <0.00109 <0.00109 <0.00109 <0.00109 <0.00109 <0.00109 <0.00109 <0.00109 <0.00212 <15.7 <15.7 <15.7 <15.7 06/06/12 <0.00106													
06/06/12 <0.00105 <0.00209 <0.00209 <0.00209 <15.7 <15.7 <15.7 <15.7 06/06/12 <0.00106	West S/W-4 @ 4.5'	06/06/12	<0.00099	<0.00198	<0.00099	<0.00198	<0.00099	<0.00198	<15.0	<15.0	<15.0	<15.0	34.9
06/06/12 <0.00106 <0.00212 <0.00106 <0.00212 <0.00212 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.9 <15.5 <15.5 <15.5 <15.5 <15.5 <15.5 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.7 <15.	Floor-5A @ 10'	06/06/12	<0.00105	<0.00209	<0.00105	<0.00209	<0.00105	<0.00209	<15.7	<15.7	<15.7	<15.7	510
06/06/12 <0.00104 <0.00207 <0.00104 <0.00207 <0.00104 <0.00209 <0.00105 <0.00105 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101 <0.00101	West S/W-5 @ 5'	06/06/12	<0.00106	<0.00212	<0.00106	<0.00212	<0.00106	<0.00212	<15.9	<15.9	<15.9	<15.9	590
06/07/12 <0.00101 <0.00202 <0.00202 <0.00101 <0.00202 <0.00101 <0.00202 <0.00101 <0.00202 <0.00101 <0.00202 <15.2 <15.2 <15.2 <15.2	West Trench @ 5'	06/06/12	<0.00104	<0.00207	<0.00104	<0.00207	<0.00104	<0.00207	<15.5	<15.5	<15.5	<15.5	25.7
06/07/12 <0.00105													
06/07/12 <0.00101 <0.00202 <0.00101 <0.00202 <0.00101 <0.00101 <0.00202 <15.2 <15.2 <15.2 <15.2	Floor-6A @ 10'	06/07/12	<0.00105	<0.00209	<0.00105	<0.00209	<0.00105	<0.00209	<15.7	<15.7	<15.7	<15.7	210
	West S/W-6 (a) 5'	06/07/12	<0.00101	<0.00202	<0.00101	<0.00202	<0.00101	<0.00202	<15.2	<15.2	<15.2	<15.2	17.3

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES TRUNK "O" BENNETT ROAD 5-7-12 RELEASE SITE LEA COUNTY, NEW MEXICO

				All concentre	All concentrations are reported in mg/Kg	ed in mg/Kg						
				METHODS:	SW 846-8021b				METHOD: SW 8015M	W 8015M		E 300.1
SAMPLE LOCATION	SAMPLE DATE		BENZENE TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o- XYLENE	TOTAL	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	ORO C28-C35	TOTAL TPH C ₆ -C ₃₈	CHLORIDE
NMOCD Regulatory Limit	it	10	1	-	-	-	50	-			5,000	
日本 日							The Sales of					
South S/W-2 @ 2'	06/07/12	<0.00101	<0.00202	< 0.00101	<0.00202	< 0.00101	<0.00202	<15.2	9.89	15.2	9.89	25.9
North S/W-1 @ 2'	06/07/12	<0.00102	<0.00205	<0.00102	<0.00205	< 0.00102	<0.00205	<15.3	26.5	<15.3	26.5	3.97
East S/W-7 (a) 5'	06/07/12	<0.00107	<0.00214	<0.00107	<0.00214	< 0.00107	<0.00214	<16.1	<16.1	<16.1	<16.1	1,950
East Trench-2 @ 5'	06/07/12	<0.00102	<0.00204	<0.00102	<0.00204	<0.00102	<0.00204	<15.5	<15.5	<15.5	<15.5	7.85
Floor-7 @ 10'	06/11/12	<0.00103	<0.00206	<0.00103	<0.00206	<0.00103	<0.00206	<15.6	<15.6	<15.6	<15.6	94.7
West S/W-7 @ 5'	06/11/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<15.1	<15.1	<15.1	<15.1	10.1
East S/W-8 @ 5'	06/13/12	<0.00109	<0.00109	<0.00109	<0.00219	<0.00109	<0.00219	<16.6	<16.6	<16.6	<16.6	118
West S/W-8 @ 5'	06/14/12	<0.00102	<0.00102	<0.00102	<0.00203	<0.00102	<0.00203	<15.6	<15.6	<15.6	<15.6	43.1
Floor-8 @ 10'	06/14/12	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<16.5	<16.5	<16.5	<16.5	217
										THE REAL PROPERTY.		
East S/W -9 (a) 5'	06/15/12	<0.00100	<0.00100	< 0.00100	<0.00200	<0.00100	<0.00200	<15.3	<15.3	<15.3	<15.3	7.65
West S/W-9 @ 5'	06/15/12	<0.00111	<0.00111	< 0.001111	<0.00223	<0.001111	<0.00223	<16.7	95.1	<16.7	95.1	102
Floor-9 @ 10'	06/15/12	<0.00102	<0.00102	<0.00102	<0.00203	<0.00102	<0.00203	<15.2	<15.2	<15.2	<15.2	20.4
West Trench-1 @ 5'	06/15/12	<0.000997	<0.000997	<0.000997	<0.00199	<0.000997	<0.00199	<15.3	<15.3	<15.3	<15.3	10.3
												THE REAL PROPERTY.
Floor-10 @ 4.5'	06/20/12	<0.00104	<0.00104	<0.00104	<0.00209	< 0.00104	<0.00209	<16.0	<16.0	<16.0	<16.0	8.06
West S/W-10 @ 2'	06/20/12	<0.00100	<0.00100	<0.00100	<0.00201	<0.00100	<0.00201	<15.2	53.6	<15.2	53.6	9.5
East S/W-10 @ 1.5'	06/20/12	<0.000997	<0.000997	<0.000997	<0.00199	<0.000997	<0.00199	<15.1	<15.1	<15.1	<15.1	8.4
	The state of the s											
Floor-11 @ 4.5'	06/21/12	<0.00108	<0.00108	<0.00108	<0.00216	<0.00108	<0.00216	<16.2	18.9	<16.2	18.9	5.33
East S/W-11 @ 2'	06/21/12	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<16.2	<16.2	<16.2	<16.2	18.7
West S/W-11 @ 2'	06/21/12	<0.000941	<0.000941	<0.000941	<0.00188	<0.000941	<0.00188	<15.4	<15.4	<15.4	<15.4	5.16
South Trench @ 3'	06/27/12	<0.00106	<0.00213	<0.00106	<0.00213	<0.00106	<0.00213	<16.0	<16.0	<16.0	<16.0	50.9
West Trench-2 @ 2'	06/27/12	<0.00102	<0.00203	<0.00102	<0.00203	<0.00102	<0.00203	<15.3	<15.3	<15.3	<15.3	12.6
West Trench-3 @ 2'	06/27/12	<0.00101	<0.00203	<0.00101	<0.00203	<0.00101	<0.00203	<15.3	<15.3	<15.3	<15.3	10.2
RP East S/W @ 2.5'	06/28/12	<0.00105	<0.00209	<0.00105	<0.00209	<0.00105	<0.00209	<15.9	<15.9	<15.9	<15.9	5.18

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES TRUNK "O" BENNETT ROAD 5-7-12 RELEASE SITE LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

	-			METHODS.	METHODS: SW 846.8021b				METHOD: SW 8015M	W 8015M		E 300.1
	SAMPLE			METHODS.	211 040 040			TPH	TPH	TPH	TOTAL	
SAMPLE LOCATION	DATE		BENZENE TOLUENE	ETHYL- RENZENE	m, p-	O- XVI FNF	TOTAL	GRO	DRO	ORO	ТРН	CHLORIDE
								C_6 - C_{12}	C_{12} - C_{28}	C28-C35	C ₆ -C ₃₅	
NMOCD Regulatory Limit	uit	10					20				2,000	
RP Floor (a) 10'	06/28/12	<0.00108	<0.00216	<0.00108	<0.00216	<0.00108	<0.00216	<16.3	<16.3	<16.3	<16.3	50.2
RP South S/W (a) 5'	06/28/12	<0.00111	<0.00221	<0.001111	<0.00221	<0.00111	<0.00221	<16.7	<16.7	<16.7	<16.7	11.6
RP North S/W @ 5'	06/28/12	<0.00112	<0.00223	<0.00112	<0.00223	<0.00112	<0.00223	<16.8	<16.8	<16.8	<16.8	23.8
Floor-7A @ 10'	06/29/12	<0.00109	<0.00218	<0.00109	<0.00218	<0.00109	<0.00218	<16.4	<16.4	<16.4	<16.4	962
South S/W-3 @ 8'	06/29/12	<0.00102	<0.00204	<0.00102	<0.00204	<0.00102	<0.00204	<15.5	<15.5	<15.5	<15.5	11
SP-1	06/29/12	<0.00101	<0.00202	0.00302	0.0253	0.0314	0.0597	93.4	1,430	205	1,730	233
SP-2	06/29/12	<0.00102	0.00290	0.00795	0.0708	0.0690	0.151	172	2,070	273	2,520	229
SP-3	06/29/12	<0.00102	0.00848	0.00567	0.0408	0.0454	0.100	200	2,240	247	2,690	269
SP-4	06/29/12	<0.00102	0.00636	0.00451	0.0289	0.0264	0.0662	165	1,960	223	2,350	296
SP-5	06/29/12	<0.00101	<0.00202	0.00127	0.00799	0.00552	0.0148	108	1,690	194	1,990	243
SP-6	06/29/12	<0.00101	<0.00203	0.00123	0.00772	0.00505	0.0140	94.9	1,410	148	1,650	281
	是正是是											
East S/W-7A @ 5'	7/2/2012	<0.00102	<0.00102	<0.00102	<0.00205	<0.00102	<0.00205	<16.0	<16.0	<16.0	<16.0	82.8
East S/W-5A @ 8'	7/3/2012	<0.000988	<0.000988	<0.000998	<0.00198	<0.000988	<0.00198	<15.0	171	284	455	433
RP Floor-2 @ 18'	7/5/2012	7.97	167	65.7	284	94.2	619	18,100	28,600	1,880	48,600	2,270
RP S Trench Floor @ 18'	7/5/2012	<0.00121	0.00557	0.00282	0.0112	0.00426	0.0239	<18.1	<18.1	<18.1	<18.1	12.9
RP S Trench South S/W @ 9'	7/5/2012	<0.00105	<0.00105	<0.00105	<0.00210	<0.00105	<0.00210	<16.3	<16.3	<16.3	<16.3	28.7
RP N Trench Floor @ 18'	7/5/2012	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<15.4	<15.4	<15.4	<15.4	24.5
RP N Trench North S/W @ 9'	7/5/2012	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<0.00202	<15.2	<15.2	<15.2	<15.2	23.4
RP W Trench Floor @ 18'	7/5/2012	<0.00106	<0.00106	<0.00106	<0.00212	<0.00106	<0.00212	<16.6	<16.6	<16.6	<16.6	42.1
RP W Trench West S/W @ 9'	7/5/2012	<0.000990	<0.000990	<0.000990	<0.00198	<0.000990	<0.00198	<15.4	<15.4	<15.4	<15.4	158
								ではいいにはい				
South S/W-4 @ 5'	07/06/12	<0.00476	<0.00476	<0.00476	<0.00952	<0.00476	<0.00952	<15.9	<15.9	<15.9	<15.9	25.6
Floor-12 @ 10'	07/12/12	<0.00104	<0.00207	<0.00104	<0.00207	<0.00104	<0.00207	<15.6	<15.6	<15.6	<15.6	255
Floor-13 @ 10'	07/12/12	<0.00109	<0.00218	<0.00109	<0.00218	<0.00109	<0.00218	<16.3	<16.3	<16.3	<16.3	636
North S/W-2 @ 5'	07/12/12	<0.00110	<0.00221	<0.00110	<0.00221	<0.00110	<0.00221	<16.5	<16.5	<16.5	<16.5	126
SP-7	07/20/12	<0.00100	<0.00200	0.00135	0.00963	0.00576	0.0167	101	1,750	166	2,020	32

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES TRUNK "O" BENNETT ROAD 5-7-12 RELEASE SITE LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

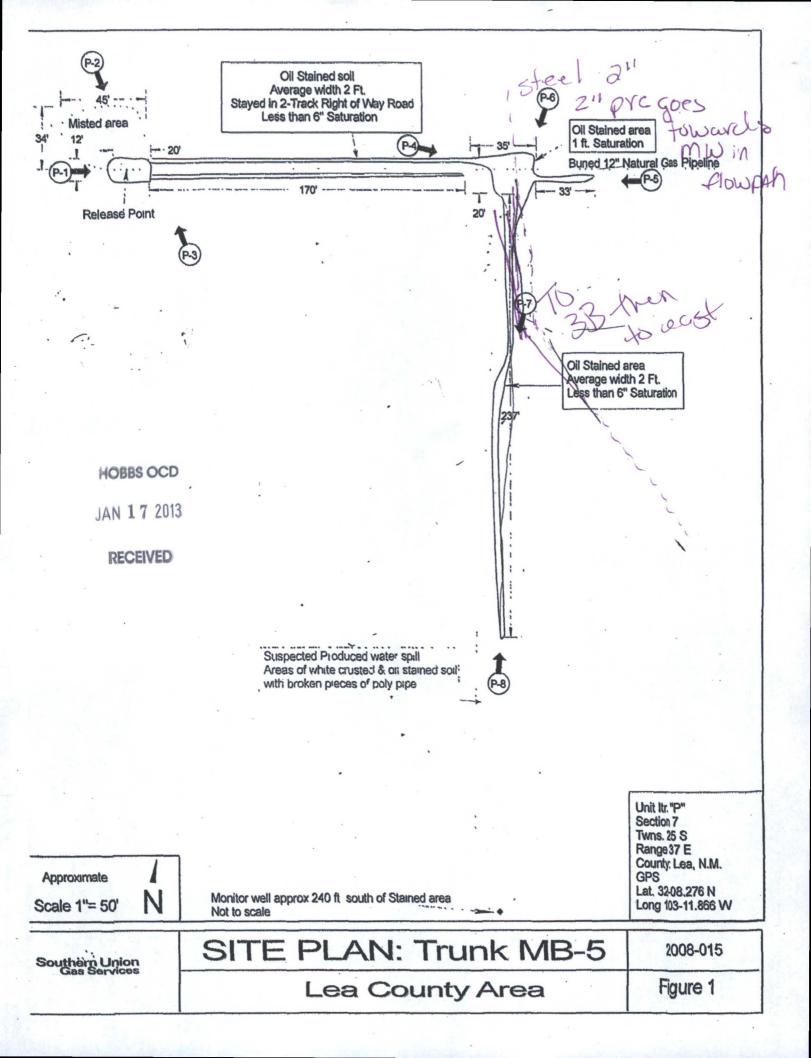
				All concentr	All concentrations are reported in mg/n.g	ed in mg/ng						
				METHODS:	METHODS: SW 846-8021b				METHOD: SW 8015M	W 8015M		E 300.1
SAMPLE LOCATION	SAMPLE	RENZENE TO	TOLIENE		m, p -	- 0	TOTAL	TPH GRO	TPH	ORO	TOTAL	CHLORIDE
				BENZENE	XYLENES	XYLENE	BTEX	C6-C12	C ₁₂ -C ₂₈	C28-C35	C ₆ -C ₃₅	
NMOCD Regulatory Limit	ıit	10	į	-			50	-		-	2,000	
SP-8	07/20/12	<0.000990	<0.00198	<0.000990	0.00688	0.00320	0.0101	110	1,770	166	2,050	414
SP-9	07/20/12	<0.000992	<0.00198	0.00100	0.00778	0.00373	0.0125	62.5	1,040	91	1,190	113
SP-10	07/20/12	<0.000998	<0.00200	0.00200	0.0117	0.0131	0.0268	94.9	756	69	920	95.8
SP-11	07/20/12	<0.000998	<0.00200	0.00145	0.00916	0.00284	0.0135	54.5	1,220	120	1,390	22.2
SP-12	07/27/12	<0.00104	<0.00209	<0.00104	<0.00209	<0.00104	<0.00209	<15.7	57.1	<15.7	57.1	1,160
SP-13	07/27/12	<0.00103	<0.00205	<0.00103	<0.00205	<0.00103	<0.00205	18.6	84.0	<15.3	103	682
SP-14	07/27/12	<0.00104	<0.00209	<0.00104	<0.00209	<0.00104	<0.00209	<15.6	39.3	<15.6	39.3	1,030
SP-15	07/27/12	<0.00104	<0.00208	<0.00104	<0.00208	<0.00104	<0.00208	19.5	9.99	<15.6	86.1	724
SP-16	07/27/12	<0.00103	<0.00207	<0.00103	<0.00207	<0.00103	<0.00207	<15.5	91.7	<15.5	91.7	663
SP-17	07/27/12	<0.00104	<0.00207	< 0.00104	<0.00207	<0.00104	<0.00207	<15.6	71.7	<15.6	71.7	962
SP-18	07/27/12	<0.00103	<0.00205	< 0.00103	<0.00205	<0.00103	<0.00205	<15.5	197	20.4	217	613
SP-19	07/27/12	<0.00105	<0.00209	<0.00105	<0.00209	<0.00105	<0.00209	20.1	82.5	<15.7	103	848
SP-20	07/27/12	<0.00104	<0.00208	< 0.00104	<0.00208	<0.00104	<0.00208	<15.7	79.5	<15.7	79.5	1,060
SP-21	07/27/12	<0.00103	<0.00207	< 0.00103	<0.00207	<0.00103	<0.00207	<15.5	80.0	<15.5	80.0	999
SP-22	07/27/12	Ľ	<0.00205	<0.00102	<0.00205	<0.00102	<0.00205	15.8	90.5	<15.5	106	787
SP-23	07/27/12		<0.00209	< 0.00104	<0.00209	<0.00104	<0.00209	20.0	109	<15.7	129	1,250
SP-24	07/27/12	<0.00104	<0.00208	<0.00104	<0.00208	<0.00104	<0.00208	<15.7	60.5	<15.7	60.5	1,160
SP-25	07/27/12	<0.00105	<0.00210	<0.00105	<0.00210	<0.00105	<0.00210	<15.7	47.5	<15.7	47.5	1,140
SP-26	07/27/12	<0.00104	<0.00208		<0.00208	<0.00104	<0.00208	<15.8	44.4	<15.8	44.4	1,120
SP-27	07/27/12	<0.00104	<0.00208		<0.00208	<0.00104	<0.00208	<15.5	56.5	<15.5	56.5	996
SP-28	07/27/12	<0.00104	<0.00208	<0.00104	<0.00208	<0.00104	<0.00208	<15.6	50.1	<15.6	50.1	1,140
	To the second second											
SP-23A	09/07/12	-	-		-	,		1	- 500	-		551
SP-12A	09/07/12		ACT - 15						- 10 m			391
SP-12B	09/07/12		•	-		-		-	-			378
SP-23B	09/11/12	100 A					- N					595
SP-20A	09/12/12	-		Sand Sand	-		,	1		,		473
SP-20B	09/12/12		- N. S.							-		550
SP-24A	09/14/12	1				1			,			563

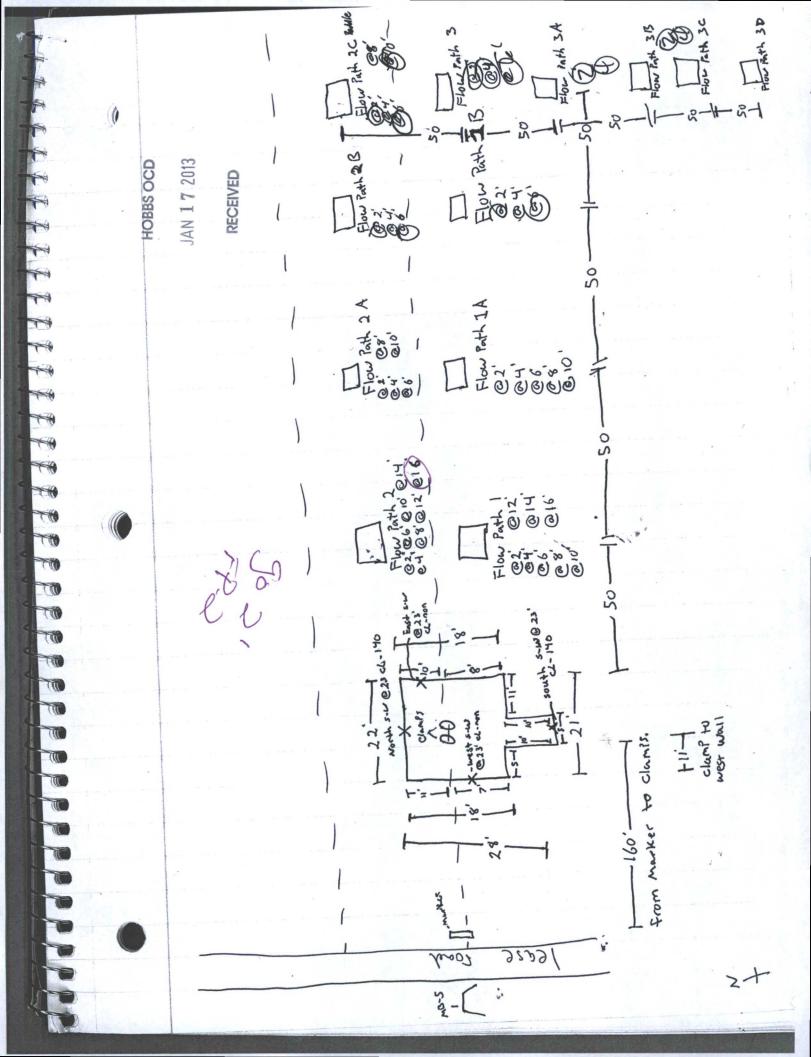
TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES TRUNK "O" BENNETT ROAD 5-7-12 RELEASE SITE LEA COUNTY, NEW MEXICO

	E 300.1	CHLORIDE		009	396	367	384	367	625	729	605	672	687	959	106	51.6	4,990	3,910	5,530	4,280	790	177	48	44.4	
		TOTAL TPH CF C _c -C _{3s}	2,000					-					<17.0	<15.9	<15.9	<15.5	138	737	9,490	8,080	640	157	16.0	<15.5	
	8015M	TPH 1 ORO C ₂₈ -C ₃₅						-					<17.0	<15.9	<15.9	<15.5	<16.0	<15.7	84.6	<83.4	<15.8	<15.6	<15.6	<15.5	
	METHOD: SW 8015M	TPH DRO C ₁₂ -C ₂₈								-	-		<17.0	<15.9	<15.9	<15.5	138.0	635	7,020	5,810	546	138	16.0	<15.5	
	V	TPH GRO C ₆ -C ₁₂						-	-	-	-		<17.0	<15.9	<15.9	<15.5	<16.0	102	2,390	2,270	94.4	18.5	<15.6	<15.5	
		TOTAL BTEX	50		-			-	-			-	<0.00227	<0.00212	<0.00212	<0.00207	90900.0	0.0924	75.5	89.4	0.333	0.0543	<0.00206	<0.00205	
n mg/Kg		O- XYLENE						-	-	-	-		<0.00113		<0.00106	<0.00104	0.00160	0.00159	12.8	14.2	0.0594	0.0115	<0.00103	<0.00102	
is are reported i	846-8021b	m, p -					-			-			<0.00227	<0.00212	<0.00212	<0.00207	0.00446	0.06690.0	35.2	39.1	0.195	0.0309	<0.00206	<0.00205	
All concentrations are reported in mg/Kg	METHODS: SW 846-8021b	ETHYL- BENZENE X						-	-	-	-	-	<0.00113 <	<0.00106	<0.00106	<0.00104	<0.00107	0.01700	7.83	9.36	0.0385	0.00682	<0.00103	<0.00102	
	M	LUENE										-	<0.00227 <	<0.00212	<0.00212	.00200	_	0.00390	19.2	26.3	0.0404	0.00506	Ĺ	<0.00205	
		BENZENE TO	10					-		- 8	-	-	<0.00113	<0.00106	<0.00106	<0.00104	<0.00107	<0.00105		0.420	<0.00106	<0.00103	<0.00103	<0.00102	
		SAMPLE DATE B		09/14/12	09/17/12	09/17/12	09/19/12	09/19/12	09/19/12	09/19/12	09/19/12	09/19/12	12/18/12	12/18/12	12/18/12	12/18/12		12/18/12	\vdash	12/18/12		12/18/12	12/18/12	12/18/12	
		SAMPLE LOCATION	NMOCD Regulatory Limit	SP-24B	SP-25A	SP-25B	SP-14A	SP-14B	SP-26A	SP-26B	SP-28A	SP-28B	SB-1 (a) 25'	SB-1 @ 30'	SB-1 @ 35'	SB-1 @ 40'	SB-2 @ 5'	SB-2 @ 10'	SB-2 @ 15'	SB-2 @ 20'	SB-2 @ 25'	SB-2 @ 30'	SB-2 @ 35'	SB-2 @ 40'	





CONCENTRATIONS OF BTEX, TPH AND CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES TRUNK MB-5 HISTORICAL RELEASE SITE LEA COUNTY, NEW MEXICO NMOCD REFERENCE # 1RP-1872

HOBBS OCD

JAN 17 2013

Ill concentrations are reported in mg/Kg

	E 300.1	CHLORIDE	000	106	144	106 144 .176	106 144 176 432	106 176 132	106 1144 .176 432 57.4	106 1144 176 432 57.4	106 144 1.176 432 57.4 124 60.1	176 176 132 132 17.4 0.1	106 1144 1.176 432 57.4 124 60.1	106 1144 1.176 432 57.4 124 60.1 42.0	106 1144 1.176 432 57.4 57.4 60.1 42.0 3.07 8.65	106 1144 1.176 432 57.4 57.4 60.1 60.1 8.65 8.65	106 1144 1.176 432 57.4 57.4 60.1 42.0 3.07 8.65 10.1 4.51	106 1144 1.176 432 57.4 10.1 60.1 60.1 88.65 110.1 4.51 5.70	106 1144 1.176 432 57.4 60.1 60.1 88.65 110.1 5.70 5.70	106 1144 1176 1176 57.4 60.1 60.1 110.1 110.1 110.1 5.70 5.70 5.70	106 1144 1.176 432 57.4 60.1 60.1 42.0 3.07 88.65 110.1 4.51 55.70 284 11.1	106 1144 1176 432 57.4 60.1 60.1 60.1 42.0 3.07 8.65 110.1 4.51 5.70 5.70 5.70 5.70 5.70 5.70 5.70 5.70	106 1144 1.176 432 57.4 10.1 60.1 60.1 60.1 60.1 10.1 10.1 10.1	106 1144 1176 432 57.4 1124 60.1 60.1 10.1 10.1 10.1 4.51 55.70 4.09 2284 11.1 11.1 11.1	100 176 176 132 132 124 10.1 10.1 10.1 10.1 11.1 11.1 11.1 12.0 10.1 10.1	106 144 176 176 432 57.4 60.1 60.1 10.1 10.1 11.1 11.1 11.1 11.1	106 1144 1.176 1.176 1.24 60.1 1.24 60.1 1.0.1 1.0.1 1.0.1 2.84 1.0.9 2.84 1.1.1 2.5.4 2.5.4 2.5.4 1.1.1 1.1.1 2.5.4 2.5.4 2.5.4 2.5.4 1.1.4 1.1.1 2.5.4 2.5	106 1144 1.176 1.176 4.32 5.7.4 60.1 60.1 10.1 4.51 5.70 5.70 5.70 5.70 5.70 5.70 11.1 25.4 25.4 11.1 11.1 11.1 25.4 25.4 25.4 25.4 11.1 11.1 11.1 11.1 11.1 11.1 11.1 1	106 1144 1.176 432 57.4 60.1 60.1 8.65 110.1 4.51 5.70 5.70 4.09 2.24 11.1 25.4 23.6 11.1 17.7 8.89 8.89 22.4 4.62	106 1144 1176 1176 1124 60.1 10.1 10.1 10.1 4.51 5.70 5.70 5.70 5.70 5.70 5.70 11.1 11.1 11.1 11.1 11.1 11.1 11.1 1	106 1144 1176 1176 1124 60.1 124 60.1 10.1 11.1 11.1 11.1 11.1 11.1 11.1	106 1144 1176 432 57.4 60.1 60.1 60.1 42.0 3.07 8.65 110.1 4.51 5.70 4.09 2.84 2.84 2.84 2.84 11.1 11.1 11.1 11.1 11.1 11.1 11.1 1	106 1144 1144 432 57.4 1124 60.1 60.1 10.1 11.1 11.1 11.1 11.1 11.1	106 1144 1144 1176 1176 1124 60.1 110.1 110.1 110.1 11.1 11.1 11.1 1	106 1144 1176 1176 1124 60.1 60.1 110.1 11.1 11.1 11.1 11.1 11.	106 144 176 432 57.4 124 60.1 60.1 10.1 42.0 3.07 8.65 10.1 4.51 5.70 4.09 284 11.1 25.4 23.6 11.1 17.7 8.89 22.4 4.62 19.7 11.7 19.7 19.7 19.7 19.7 19.7 19.7
	E	_																					-													1,350
VED		TOTAL TPH C ₆ -C _{3s}	<25.5	<25.5	<25.5	<26.9		<25.5	<25.5	<26.0		<27.5	<25.8	<26.6	<26.6	<26.3	<26.9	<26.3	<26.9	<26.9	<26.0	<26.6	<26.0		<26.6	<25.5	<26.6	<26.0	<26.3	<26.0	<27.2	<26.6	<26.6	<26.9	<26.9	<27.2
KECEIVED	SW 8015M	TPH ORO C ₂₈ -C ₃₅	<25.5	<25.5	<25.5	<26.9		<25.5	<25.5	<26.0		<27.5	<25.8	<26.6	<26.6	<26.3	< 26.9	<26.3	<26.9	<26.9	<26.0	<26.6	<26.0		<26.6	<25.5	<26.6	<26.0	<26.3	<26.0	<27.2	<26.6	<26.6	<26.9	<26.9	<27.2
	METHOD: S	TPH DRO C ₁₂ -C ₂₈	<25.5	<25.5	<25.5	<26.9		<25.5	<25.5	<26.0		<27.5	<25.8	<26.6	<26.6	<26.3	<26.9	<26.3	<26.9	<26.9	<26.0	<26.6	<26.0		<26.6	<25.5	<26.6	<26.0	<26.3	<26.0	<27.2	<26.6	<26.6	<26.9	<26.9	<27.2
		TPH GRO C ₆ -C ₁₂	<25.5	<25.5	<25.5	<26.9		<25.5	<25.5	<26.0		<27.5	<25.8	<26.6	<26.6	<26.3	<26.9	<26.3	<26.9	<26.9	<26.0	<26.6	<26.0		<26.6	<25.5	<26.6	<26.0	<26.3	<26.0	<27.2	<26.6	<26.6	<26.9	<26.9	<27.2
		TOTAL	<0.00200	<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
in mg/Kg		0 - XYLENE	<0.00100	<0.00100	<0.00100	<0.00100		<0.00100	<0.00100	<0.00100		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
All concentrations are reported in mg/Kg	N 846-8021b	m, p - XYLENES	<0.00200	<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
All concentrati	METHODS: SW 846-8021b	ETHYL-	<0.00100	<0.00100	<0.00100	<0.00100		<0.00100	<0.00100	<0.00100		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
		Z	<0.00200	<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
		BENZENE TOLUE	<0.00100	<0.00100	<0.00100	<0.00100		<0.00100	<0.00100	<0.00100		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
		SAMPLE	01/07/13	01/07/13	01/07/13	01/07/13		01/08/13	01/08/13	01/08/13		01/09/13	01/09/13	01/09/13	01/09/13	01/09/13	01/09/13	01/09/13	01/09/13	01/09/13	01/09/13	01/09/13	01/09/13		01/11/13	01/11/13	01/11/13	01/11/13	01/11/13	01/11/13	01/11/13	01/11/13	01/11/13	01/11/13	01/11/13	01/11/13
		SAMPLE LOCATION	RP-1 @ 24'	West S/W @ 23'	South S/W @ 23'	RP @ 16'		East S/W @ 23'	North S/W @ 23'	Stockpile		FP-1 @ 2'	FP-1 @ 8'	FP-1 @ 16'	FP-1A @ 2'	FP-1A @ 10'	FP-2 @ 2'	FP-2 @ 8'	FP-2 @ 16'	FP-2A @ 2'	FP-2A @ 10'	Flowpath 1B @ 2'	FP-1B @ 6'		FP-2B @ 2'	FP-2B @ 6'	FP-2C @ 2'	FP-2C @ 6'	FP-2C @ 10'	FP-3 @ 2'	FP-3 @ 4'	FP-3 @ 6'	FP-3A @ 2'	FP-3A @ 4'	FP-3B @ 2'	FP-3B @ 4'