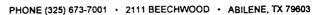
NM1 - 32

MONITORING REPORTS

YEAR(S):

2004 - 2000



SEP 2 2005
SERVATION
Bebeiving Date: 04/23/04
Reporting Date: 04/23/04

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241

FAX TO:

Reporting Date: 04/24/04

Project Owner: KENA KAY COOPER

Project Name: CLOSURE Project Location: S.M.S.W.F. Sampling Date: 04/22/04

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

					ETHYL	TOTAL
LAB NUMBER	SAMPLE ID	TPH	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS DA	TE:	04/23/04	04/23/04	04/23/04	04/23/04	04/23/04
H8634-1	C-2 5 PT	<10	<0.005	<0.005	<0.005	<0.015
H8634-2	B-3 5 PT	<10	<0.005	<0.005	<0.005	<0.015
H8634-3	B-5 5 PT	<10	<0.005	<0.005	<0.005	<0.015
H8634-4	B-6 5 PT	36.8	<0.005	<0.005	<0.005	<0.015
Quality Contro	1	237	0.107	0.101	0.097	0.285
True Value QC	>	240	0.100	0.100	0.100	0.300
% Recovery		98.6	107	101	96.7	95.0
Relative Perce	ent Difference	4.0	9.2	1.5	1.6	2.4

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260

ages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by ence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after complete

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(815) 6/3-/001 Fax (915) 673-7020		(505) 393-2326 Fax (505) 303-2476	2 7476	:	18
5	- 1	111111111111111111111111111111111111111			<i>a</i>
Project Manager: LCUH KM ZORPOL		BILL TO PO#:		ANY LISTS NECOEST	
Address: 1:0 BOX 418		Company:			
City: Hobbs State: N.m.Zip: 1	88840	Attn:			
12-1050		Address:			
Fax#:		City:	/		
Project #: CLOSCUIL Project Owner: 1/	Kent Kny Coppin	State: Zlp:	18		
Project Name:	/ //	.#	4/		
Project Location: S.M.S.W.F.		Fax #:			
FOR LAB USE ONLY	MATRIX	PRES. SAMPLING	Na		
LAB I.D. Sample I D. R. (C)OMP	VATER		PH Te		ur Ville
	# CONTAIN GROUNDY WASTEWA SOIL OIL SLUDGE	OTHER: ACID: ICE/COOL OTHER: DATE	TIME TO		
رو ر	0	10.88.4 N	1 0 Oh:1		<i>1</i> (3)
V 507	2	N 4.32.04	1:55 / /		-+
507	7	10 H 28 H	2:20 V V		
6		harrh 1	2:40 / 2		
PLEASE MOTE: Liability and Damagos. Cardinar's liability and client's exclusive remedy for any claim entiring whether based in contract or lord, shall be implied to the amount routhly the data to the	for any claim arising whether based	In contract or lort, shall be imited to he			
service. In one earth shall deline to registrate and any other cause what convert shall be deemed walved unless made in writing and received by Cardinal within 30 days after complection that is earlier or successor sinking and or related to inclosed what domage, including without fartialities, business interruptions, loss of use, or loss of profits incurred by clern, its subsidiaries, some consequent of services, including without fartialities, business interruptions, loss of use, or loss of profits incurred by clern, its subsidiaries, some profits and or related to the performance of services hereunder by Cardinal, regardess of whether such claim is based upon any of the above stated reasons or otherwise. Samplet Relinquished:	be deemed walved unless made in uding willhout firitation, business into it by Cardinal, regardess of whether Description	writing and received by Cardinal within erruptions, loss of use, or loss of profits such claim is based upon any of the ab	30 days after completion of the application of the	Terms and Conditions: interest will be chapped on all accounts more than an 30 days past due at the rate of 24% per arrum from the original date of involce, and at costs of colections, including attorney's fees.	d on all accounts more than to the from the original date of invoice, fees.
			Fax Result: Yes	□ No Additional Fax #:	
	Received By: (Lab Staff)	ab Staff)	ZEMARKS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact Yes Yes	CHECKED BY:			

[†] Cardinal cannot accept verbal changes. Please fax written changes to 915-573-7020.





ANALYTICAL RESULTS FOR

SMSWF

ATTN: KENA KAY COOPER

P.O. BOX 418 HOBBS, NM 88241

FAX TO:

Receiving Date: 06/27/03

Reporting Date: 07/02/03

Project Number: NOT GIVEN

Project Name: QUARTERLY SAMPLES

Project Location: SMSWF

Sampling Date: 06/26 &06/27/03

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DAT	E:	06/30/03	06/30/03	06/30/03	06/30/03	06/30/03
H7774-1	QTR A1 62603	<10	<0.005	<0.005	<0.005	< 0.015
H7774-2	QTR A2 62603	<10	<0.005	<0.005	<0.005	<0.015
H7774-3	QTR A3 62603	<10	<0.005	<0.005	<0.005	<0.015
H7774-4	QTR A4 62603	<10	<0.005	<0.005	<0.005	<0.015
H7774-5	QTR A5 62603	<10	<0.005	<0.005	<0.005	<0.015
H7774-6	QTR B1 62603	16.2	<0.005	<0.005	<0.005	<0.015
H7774-7	QTR B3 62603	<10	<0.005	<0.005	<0.005	<0.015
H7774-8	QTR B5 62703	<10	<0.005	<0.005	< 0.005	<0.015
H7774-9	QTR B6 62704	<10	<0.005	<0.005	<0.005	<0.015
H7774-10	QTR B7 62705	10.8	<0.005	<0.005	<0.005	<0.015
H7774-11	QTR C2 62706	<10	<0.005	<0.005	<0.005	<0.015
H7774-12	QTR C4 62706	<10	<0.005	<0.005	<0.005	<0.015
H7774-13	QTR C5 62706	<10	<0.005	<0.005	<0.005	<0.015
H7774-14	QTR C6 62706	<10	<0.005	<0.005	<0.005	<0.015
H7774-15	QTR C7 62706	435	<0.005	<0.005	<0.005	<0.015
Quality Control		241	0.092	0.094	0.088	0.262
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		100	91.8	93.9	88.3	87.4
Relative Percen	t Difference	1.8	2.8	4.6	0.9	1.8

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260

Burgess J. A. Cooke, Ph. D.

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicability and processors arising out of or loss of profits incurred by client, its substitutions, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitutions or successors arising out of or related to the performance of services hereunder by Cardinal, recardless of whether such claim is based upon any of the above-stated reasons or otherwise.

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603

CHAIN-OF-CUSTODY AND ANALYSIS REQUES

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

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City:	State: 2	Zip:		Attn:							
Phone #: 392	-1050			Address:							
Fax #:				City:							
Project #: 20	Project Owner:	ler:		State:	Zip:						on design
Project Name:				Phone #:							ing said
Project Location: <	SmswF			Fax #:		H					THE THE
FOR LAB USE ONLY			MATRIX	PRES.	SAMPLING] P					sto. Nas
		RS					Х				e (* 1565) Personal
LAB I.D.	Sample I.D.	(G)RAB OR (C # CONTAINER GROUNDWA	WASTEWATE SOIL OIL SLUDGE	OTHER: ACID: ICE/COOL OTHER:	DATE	418.1	13 Te)				
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analyses. All claims including those services. In no event shall Cardnal	review of the control of the first process of the property of the process of the	ave remedy for any o tsoever shad be deer images, including with	Saim ansing whether based ned watved unless made in nout fimitation, business into	d in contract or tort, shall writing and received by temptions, loss of use, or	be irrited to the amou Cardinal within 30 day r loss of profits incurry	int paid by the clien is after completion ad by client, its auto	nt for the of the applicable sidaries,	Terms and 30 days pas and all costs	Terms and Conditions; interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of codedions, including attempts fees.	d on all accounts more from the original date (
Sampler Relinquished:	sitiales or successors sitting out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated ressors or otherwise. Sampler Relinquisched: Date: Date:	es hereunder by Carr	inal, regardess of whether	r such claim is based upo	n eny of the above st	ated reasons or ot	7	ddistant East b			
	†	6-26-23 Time:	Vecessen by:		R 2 3	Fax Result: [☐ Yes ☐ No	Additional Fax #:			
Relinguished By:	Date		Received By: (Lab Staff)	ab Staff)							
Koy R. RASCON		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1-30-x	7.	<u></u>					%.	
Delivered By: (Circle One)	ircle One)	9	Pag S	on CHECKED BY: (Initials)	DBY:					44	
Sampler UPS - Bus - Other:	us - Other:		<u>.</u>	<u> </u>							

[†] Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.



PHONE (915) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Receiving Date: 05/14/03

Reporting Date: 05/20/03

Project Number: CELL B-4 CLOSURE

Project Name: CELL CLOSURE

Project Location: S.M.S.W.F.

Modified Reporting Date: 06/03/03

Sampling Date: 05/14/03

Sample Type: SOIL

Sample Condition: COOL &

Sample Received By: Q

Analyzed By: BC

MODIFIED REPORT

ETHYL

LAB NO. SAMPLE ID

(mg/Kg)

TPH BENZENE **TOLUENE**

(mg/Kg)

BENZENE (mg/Kg)

XYLENES (mg/Kg)

ANALYSIS DATE:	06/03/03*	05/19/03	05/19/03	05/19/03	05/19/03
H7661-1 CELL B-4 CLOSURE	<10	<0.005	0.012	0.009	0.051
					
					-
Quality Control	243	0.090	0.092	0.088	0.262
True Value QC	240	0.100	0.100	0.100	0.300
% Recovery	101	89.8	91.9	88.2	87.2
Relative Percent Difference	2.6	3.2	6.6	2.0	1.6

(mg/Kg)

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260 *Reanalysis date.

ns, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) day



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Receiving Date: 05/14/03

Reporting Date: 05/20/03

Project Number: CELL B-4 CLOSURE

Project Name: CELL CLOSURE

Project Location: S.M.S.W.F.

Sampling Date: 05/14/03

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: BC

LAB NO. SAMPLE ID

TPH BENZENE TOLUENE

ETHYL BENZENE

TOTAL XYLENES

(mg/Kg)

(mg/Kg) (mg/Kg)

(mg/Kg)

(mg/Kg)

ANALYSIS DATE:	05/16/03	05/19/03	05/19/03	05/19/03	05/19/03
H7661-1 CELL B-4 CLOSURE	761	<0.005	0.012	0.009	0.051
					ļ
		ļ			
					
Quality Control	243	0.090	0.092	0.088	0.262
True Value QC	240	0.100	0.100	0.100	0.300
% Recovery	101	89.8	91.9	88.2	87.2
Relative Percent Difference	2.6	3.2	6.6	2.0	1.6

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260

ARDINAL LABORATORIES,

19961

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (915) 673-7001, Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Relinguished By: Sampler Relinquished H7661 Sampler Name: Roy Sampler UPS - Bus - Other: LEADE NOTE: Linking and Dan Phone #: 392 -1050 Project Manager: KEno. Company Name: Delivered By: (Circle One) 47061-Hobbs Address: P.O. BOX roject #: (E roject Location: SMSWF roject Name: (1) Closure FOR LAB UBE ONLY Lab I.D. KASCON B-4 Closues UMSWF ب Sample I.D. 8/17 X RASCON Closure Date: 5-14-03 Time: 15 15 Project Owner: KENA KAY Fax #: State: N,M, zip: 88241-04/8 Attn: Received By: (Lab Staff) (G)RAB OR (C)OMP GROUNDWATER Sample Condition WASTEWATER XYes XXYes MATRIX SOIL CRUDE OIL SLUDGE OTHER : Fax #: State: Ω ₹ P.O. #: Phone #: Address: company: ACID/BASE PRESERV CHECKED BY ICE / COOL (Initials) OTHER : BILL TO Zip: 5-14-8 DATE SAMPLING Phone Result: Fax Result: REMARKS: //://0 TIME CAC 418.1 BTEX O No (0) Add'l Phone #: Add'l Fax #: ANALYSIS REQUEST 390-572 Page

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

SEP 2 2 2005

OIL CONSERVATION

DIVISION

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241

FAX TO:

Receiving Date: 03/31/03

Reporting Date: 04/01/03

Project Owner: KENA KAY COOPER

Project Name: QTR CELLS

Project Location: S.M.S.W.F.

Sampling Date: 03/30/03

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DAT	E:	03/31/03	03/31/03	03/31/03	03/31/03	03/31/03
H7560-1	QTR A1 33003	<10	<0.005	<0.005	<0.005	<0.015
H7560-2	QTR A2 33003	<10	<0.005	<0.005	<0.005	<0.015
H7560-3	QTR A3 33003	<10	<0.005	<0.005	<0.005	<0.015
H7560-4	QTR A4 33003	<10	<0.005	<0.005	< 0.005	<0.015
H7560-5	QTR A5 33003	<10	<0.005	<0.005	<0.005	<0.015
H7560-6	QTR B1 33003	<10	<0.005	<0.005	<0.005	<0.015
H7560-7	QTR B3 33003	<10	<0.005	<0.005	< 0.005	< 0.015
H7560-8	QTR B4 33003	<10	<0.005	<0.005	<0.005	<0.015
H7560-9	QTR B5 33003	<10	<0.005	<0.005	<0.005	<0.015
H7560-10	QTR B6 33003	<10	<0.005	<0.005	<0.005	<0.015

H7560-11	QTR B7 33003	<10	<0.005	<0.005	<0.005	<0.015
H7560-12	QTR C2 33003	<10	<0.005	<0.005	<0.005	< 0.015
H7560-13	QTR C5 33003	<10	<0.005	<0.005	<0.005	<0.015
Quality Contr	rol	239	0.098	0.090	0.090	0.268
True Value C	IC	240	0.100	0.100	0.100	0.300
% Recovery		99.6	98.2	89.8	90.3	89.3
Relative Perc	cent Difference	6.1	9.1	16.5	20.7	16.9

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260

ARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79803 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

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Project Manager: 💃	1	COOP F P		on rate	B	*		-	ANALYSIS	REQUE	ST			18
Address:				Company:	4						24			
City:	State:	Zip:		Attn:									Marie Control	
Phone #: 3	10-57 392	-1050		Address										NEW YORK
Fax#:				Clty:										
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et.	96	VP	< '		2-22-23	250		1		1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
LEASE WOTE: Liebtity and Demi elysee, At risims including those	"LARE NOTE: Liebthy and Damagne. Cardna's lability and deet's exclusive threedy for any dairn arising whether based in contract or loci, shall be intended to be amount paid by the clear	occlusive remedy for au whateoever shell he d	y claim arising wheth	r based in contract or	or, shall be imited to a	amount paid by the	clery for the	-	Terms and Co			9 · · · · · · · · · · · · · · · · · · ·	10 m	
vervios, hino event ahal Cardinal be table for incidental or or milites or successors straing out of or related to the perform Sampler Relinquished:	ible for incidental or oo	al duragee, including or including or including the control of the	andrei, regardess of	nade in writing and re- week interruptions, loss whether such claim is i	requerted durages, including without first state and an interior of the care of the Control within 30 days after competition of its requested durages, including without first about the manages, best of use, or loss of profits incurred by claim, its about or of services hereunder by Cardinal regardess of whether such claim is based upon any of the above stated reasons or other Dates. Dates D	20 days after complete incurred by client, its bove stated research of	f the application of the applica		30 days part d. and all costs of	se at the rate of 249 collections, includin	n oe starged on a k per arrum from I g stlomey's fees.	il accounts mon the original date	d Invalor	Medi
Prio P	3	Time:	ار: ار	:		Fax Result:	Yes	☐ No Additional Fax #:	nal Fax #:				學	
Relinquished By:	7.00))	>	•	ر , ,))) , !			
<i>(</i>)	-iles	13/03	Received B	Received BY: (Lab Staff)	<i>-</i>	1 Planse	(a	X	عبد (ع)	x xoy @ 590-572	715			ti su
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Sampler - UPS - Bus - Other:	us - Other:		Cop intac		(Initials)									Bhair Ka
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CHAIN-OF-CUSTODY AND ANALYSIS

ARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79803 101 East Marland, Hobbs, NM 88240

	S U No Additions	ear-lies. In no event shall Cardinal be libble for incidental common of damages, broking without lambdes, or loss of profits hoursed by clard, its subdiding of or related to the performance of services hereunder by Cardinal, reputatives, or loss of profits hoursed by clard, its subdiding of and at costs of collections, broking attempts and at costs of collections.						K	35003	V 1 V 35003	DOT DO VS CO A K		MATRIX PRES. SAMPLING	3/11/2007 Fax#:	3	Project #: (DU Project Owner: KENA KAY COPE State: ZIp:	3	#: 513 1657 342 - 1050 Address:	State: ZIp:	Company:	 SMS WE	ا دُ
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.





ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Receiving Date: 03/11/03

Reporting Date: 03/13/03

Project Number: NOT GIVEN

Project Name: CELL B-2 CLOSURE

Project Location: SMSWF

Sampling Date: 03/11/03

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

LAB NO. SAMPLE ID TPH BENZENE TOLUENE BENZENE XYLENES

(mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg)

ANALYSIS	S DATE:	03/11/03	03/12/03	03/12/03	03/12/03	03/12/03
H7531-1	CELL B-2 CLOSURE	93.6	<0.005	<0.005	<0.005	<0.015
					1	
		-	-	:	<u> </u>	
Quality Co	introl	241	0.092	0.093	0.098	0.283
True Value	e QC	240	0.100	0.100	0.100	0.300
% Recove	ry	100	92.3	93.2	98.4	94.4
Relative P	ercent Difference	1.1	0.8	1.1	1.4	0.8

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260

Burgess J. A Cooke, Ph. D.

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thinty (30) days after completion of the applicable service; thoughout the liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affiliates or successors arising out of or related to the performance of services hereing and profits incurred by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

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** 39a - 10 · 50 F		Address:				
Project #: Project Owner:	3	City:				
Project Name: (Ell B. 2 Closure		State: Zip:				
7(M5M2		*			er sy	
Sampler Name: Roy R. RASCON		Fax #:				
	MATRIX	PRESERV SAMPLING	NG			
	RS					eri Barara
Lab I.D. Sample I.D.	(G)RAB OR (# CONTAINE GROUNDWA WASTEWAT SOIL CRUDE OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER:	BTE 418,			
H'1031-1 CEIL B-2 CLOSURE	CPV	V 3-11-02	1329 / /			
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errive. At dates including those for negligence and any other cases whatooner shall be deemed waked stiess made in writing and received by Cardinal within 30 days after completion of the applicable cervive. Into event datal Cardinal be labeled for throcked or comesquents damages, including without initiation, bestiess hierargotime, loss of use, or loss of profits incurred by client, its subsidiation, affiliates or successors analysis of or related to the performance of services haveunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	same whathorwer shall be downed welved arises made in writing and received by Cardinal within 30 days after questal dearinges, including without limitation, bushness interruptions, loss of use, or loss of profits incurred by oil of services fermunder by Cardinal, regardess of whather such claim is beset upon any of the above stated re-	ived by Cardhai within 30 days after compa if use, or loss of profits incurred by offert, its eased upon any of the above stated reasons			the rate of 20% per er offers, including atten-	rum from the original date of inesta, y
	—-		Fax Result: Yes	☐ No Add'I Phone #:		· · · · · · · · · · · · · · · · · · ·
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Nominquisited by:	Received By: (Lab Start		4		- برگيل لا الله	
Delivered By: (Circle One)	Sample Condition	on CHECKED BY:				
Sampler - UPS - Bus - Other:	₹ ₹			,		

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.





ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418 FAX TO: (505) 393-8943

Receiving Date: 02/19/03

Reporting Date: 02/20/03

Project Number: NOT GIVEN

Project Name: CELL C-3
Project Location: NOT GIVEN

Sampling Date: 02/14/03

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: BC

LAB NO. SAMPLE ID TPH BENZENE TOLUENE BENZENE XYLENES (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg)

ANALYSIS DATE:	02/20/03	02/20/03	02/20/03	02/20/03	02/20/03
H7484-1 CELL C-3 CLOSURE	73.8	<0.005	<0.005	<0.005	<0.015
					
Quality Control	227	0.105	0.105	0.105	0.300
True Value QC	240	0.100	0.100	0.100	0.300
% Recovery	94.4	105	105	105	100
Relative Percent Difference	0.7	3.7	2.9	3.2	3.6

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260

Burgess J. A. Cooke, Ph. D.

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service, 15 p. c. and 15 p. p. c. and 15

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603 101 E

101 East Marland, Hobbs, NM 88240

Company Name: SMSWF roject Manager: KENA KAY 1-13471 roject # roject Name: Lab I.D. mpler Name: ect Location: A I'M SED BY BY (ered By: (Circle One) - UPS - Bus - Other: Cell 1132 (915) 673-7001 Fax (915) 673-7020 04 Sample I.D CLOSURE Cooper Fax #: Project Owner: State: 1 2-19-03 5 Zip: (G)RAB OR (C)OMP (505) 393-2326 Fax (505) 393-2476 # CONTAINERS GROUNDWATER Cool Intact Sample Condition WASTEWATER SOIL MATRIX CRUDE OIL SLUDGE State: <u>श</u>् Address: P.O. #: OTHER Fax #: Phone #: Attn Company: ACID/BASE: PRESERV CHECKED BY: (Initials) ICE / COOL 81LL TO OTHER SMSWIC Zp 2-14-03 DATE SAMPLING rpicition of the appl . In subsidiaries, Phone Result:
Fax Result:
REMARKS:
CAL 1000 TIME 418.1 TPH Roy @ 390.592 BTEX ANALYSIS REQUEST .

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.





ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

(mg/Kg)

Receiving Date: 01/14/03

Sampling Date: 01/13/02

Reporting Date: 01/15/03

Sample Type: SOIL

Project Number: NOT GIVEN

Sample Condition: COOL & INTACT

Project Name: CELL C-1 CLOSURE

Sample Received By: AH

Project Location: SMSWF C-1

Analyzed By: BC

ETHYL

TOTAL

LAB NUMBER SAMPLE ID

TPH BENZENE TOLUENE

(mg/Kg)

(mg/Kg)

BENZENE (mg/Kg)

XYLENES (mg/Kg)

ANALYSIS DATE:		01/14/03	01/14/03	01/14/03	01/14/03	01/14/03
H7406-1	SMSWF C-1	<10	<0.005	<0.005	<0.005	<0.015
	CLOSURE					
Quality Control		227	0.100	0.101	0.098	0.282
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		94.4	99.6	101	98.0	94.0
Relative Percent Dit	ference	0.7	2.1	0.7	6.0	7.9

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the ar All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days a

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603

(915) 673-7001 Fax (915) 673-7020 101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

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Phone #: HomE	391-8391	Fax #		J					Address:	8														es j	er an	
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Project Location:	: SMSWF	C-1						T T	Phone #:	*				ρ,					_	_					in the	
Sampler Name:	Roy R. RASCON	87						7	Fax #:	.	ı			/2								•		i,		
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eralyses. All claims including service. In no event shall Cor efficies or succession arisin	eralyses. All chains Including those for regigence and any other cause whatboower shall be deemed welved arises made in writing and received by Cardinal within 30 days effer competent of the applicable service. In no event shall Cardinal be liable for incidental or comesquental damages, including without lentation, business themspoons, bear of use, or loss of profits incurred by client, its actualisation, affiliates or successors arising out of or related to the performance of services increased by Cardinal, regardless of whether such chain is based upon any of the above stated measure or otherwise.	cause whatboever shall be deemed waked arises made in writing and received by Cardinal within 30 days after completion of the apequated dermages, including without imstation, business interruptions, less of use, or loss of profits incurred by client, its scientiaries, and territorial investment by Cardinal, regardless of whether such claim is based upon any of the show stated ressors or otherwise.				tanque de la constante de la c	da d	o o	by Ca	o de la composition della comp		O days after complet curred by client, he was stated resears a	spleton of the applicable , its exheldlerice, re or otherwise.						3 1	0 8	1	0.24%		The second contract of the second sec	4	
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RECEIVED

SEP 2 2 2005

OIL CONSERVATION
DIVISION

Receiving Date: 12/20/02 Reporting Date: 12/31/02 Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Sampling Date: 12/20/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

TOTAL METALS

LAB NUMBE	ER SAMPLE ID	Al	Co	Cu	Fe
		(ppm)	(ppm)	(ppm)	(ppm)
ANALYSIS [DATE:	12/30/02	12/30/02	12/30/02	12/30/02
H7346-1	QTR A1 122002	1414	<1	2.05	1346
H7346-2	QTR A2 122002	1012	<1	0.80	835
H7346-3	QTR A3 122002	969	<1	1.25	927
H7346-4	QTR A4 122002	974	<1	0.65	1129
Quality Cont	rol	4.625	5.034	5.082	5.059
True Value (QC	5.000	5.000	5.000	5.000
% Recovery		92.5	101	102	101
Relative Per	cent Difference	3.2	0.2	0.2	0.1
METHODS:	EPA 600/04-79-020	202.1	219.1	220.1	236.1

		Mn	Мо	NI	Zn
		(ppm)	(ppm)	(ppm)	(ppm)
ANALYSIS I	DATE:	12/30/02	12/30/02	12/30/02	12/30/02
H7346-1	QTR A1 122002	15.2	<1	3.70	5.30
H7346-2	QTR A2 122002	22.5	<1	3.50	3.95
H7346-3	QTR A3 122002	20.9	<1	3.60	4.75
H7346-4	QTR A4 122002	10.8	<1	3.80	3.70
Quality Cont	rol	5.007	3.001	1.009	0.502
True Value (QC O	5.000	3.000	1.000	0.500
% Recovery		101	100	101	100
Relative Per	cent Difference	0.2	0.1	0.3	0.4
METHODS:	EPA 600/Q4-79-020	243.1	246.1	249.1	289.1

Chemist

12-31-0

H7346m2





ANALYTICAL RESULTS FOR

S.M.S.W.F.

FAX TO:

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

Receiving Date: 12/20/02 Reporting Date: 12/31/02

Project Number: NOT GIVEN

Project Name: NOT GIVEN Project Location: NOT GIVEN

Sampling Date: 12/20/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

TOTAL METALS

LAB NUMBE	ER SAMPLE ID	Al	Co	Cu	Fe
		(ppm)	(ppm)	(ppm)	(ppm)
ANALYSIS I	DATE:	12/30/02	12/30/02	12/30/02	12/30/02
H7346-5	QTR A5 122002	956	<1	0.60	911
H7346-6	QTR B1 122002	995	<1	1.05	670
H7346-7	QTR B2 122002	575	<1	0.70	617
H7346-8	QTR B3 122002	1326	<1	0.80	1037
Quality Cont	rol	4.625	5.034	5.082	5.059
True Value (QC	5.000	5.000	5.000	5.000
% Recovery		92.5	101	102	101
Relative Per	cent Difference	3.2	0.2	0.2	0.1
METHODS:	EPA 600/04-79-020	202.1	219.1	220.1	236.1

	,	Mn	Мо	NI	Zn
		(ppm)	(ppm)	(ppm)	(ppm)
ANALYSIS I	DATE:	12/30/02	12/30/02	12/30/02	12/30/02
H7346-5	QTR A5 122002	12.8	<1	3.60	4.55
H7346-6	QTR B1 122002	19.8	<1	4.35	4.75
H7346-7	QTR B2 122002	14.9	<1	4.15	4.60
H7346-8	QTR B3 122002	15.6	<1	4.70	6.00
Quality Cont	rol	5.007	3.001	1.009	0.502
True Value	QC	5.000	3.000	1.000	0.500
% Recovery		101	100	101	100
Relative Per	cent Difference	0.2	0.1	0.3	0.4
METHODS:	EPA 600/04-79-020	243.1	246.1	249.1	289.1

H7346m3

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusion All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, busing



ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

Receiving Date: 12/20/02

Reporting Date: 12/31/02

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

FAX TO:

Sampling Date: 12/20/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

TOTAL METALS

LAB NUMBE	R SAMPLE ID	Al	Co	Cu	Fe
		(ppm)	(ppm)	(ppm)	(ppm)
ANALYSIS D	ATE:	12/30/02	12/30/02	12/30/02	12/30/02
H7346-9	QTR B4 122002	594	<1	0.75	635
H7346-10	QTR B5 122002	1508	<1	0.85	1501
H7346-11	QTR B6 122002	820	<1	0.55	802
H7346-12	QTR B7 122002	805	<1	0.35	587
Quality Contr	ol	4.625	5.034	5.082	5.059
True Value Q	C	5.000	5.000	5.000	5.000
% Recovery		92.5	101	102	101
Relative Perc	ent Difference	3.2	0.2	0.2	0.1
METHODS: E	EPA 600/04-79 - 020	202.1	219.1	220.1	236.1

		Mn	Мо	NI	Zn
		(ppm)	(ppm)	(ppm)	(ppm)
ANALYSIS D	ATE:	12/30/02	12/30/02	12/30/02	12/30/02
H7346-9	QTR B4 122002	6.35	<1	3.75	4.65
H7346-10	QTR B5 122002	12.9	<1	5.55	7.65
H7346-11	QTR B6 122002	15.0	<1	4.10	5.35
H7346-12	QTR B7 122002	11.9	<1	4.95	7.90
Quality Contr	rol	5.007	3.001	1.009	0.502
True Value C	C	5.000	3.000	1.000	0.500
% Recovery		101	100	101	100
Relative Perd	ent Difference	0.2	0.1	0.3	0.4
METHODS:	EPA 600/04-79-020	243.1	246.1	249.1	289.1

Date Date

H7346m4

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thiny (30) days after completion of the applicable service. In one event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.



Receiving Date: 12/20/02

Reporting Date: 12/31/02

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS. NM 88240

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Sampling Date: 12/20/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

Project Number: NOT GIVEN

Project Name: NOT GIVEN Project Location: NOT GIVEN

TOTAL METALS

LAB NUMBER	R SAMPLE ID	Al	Co	Cu	Fe
		(ppm)	(ppm)	(ppm)	(ppm)
ANALYSIS D	ATE:	12/30/02	12/30/02	12/30/02	12/30/02
H7346-13	QTR C1 122002	2369	<1	0.65	1230
H7346-14	QTR C2 122002	1502	<1	0.85	932
H7346-15	QTR C3 122002	1279	<1	0.40	828
H7346-16	QTR C5 122002	752	<1	3.00	661
Quality Control		4.625	5.034	5.082	5.059
True Value Q		5.000	5.000	5.000	5.000
% Recovery		92.5	101	102	101
Relative Perc	ent Difference	3.2	0.2	0.2	0.1
METHODS: E	PA 600/04-79-020	202.1	219.1	220.1	236.1

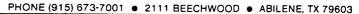
		Mn	Mo	Ni	Zn
		(ppm)	(ppm)	(ppm)	(ppm)
ANALYSIS D	ATE:	12/30/02	12/30/02	12/30/02	12/30/02
H7346-13	QTR C1 122002	21.8	<1	6.05	8.70
H7346-14	QTR C2 122002	14.7	<1	5.95	5.40
H7346-15	QTR C3 122002	15.4	<1	5.15	6.95
H7346-16	QTR C5 122002	12.1	<1	4.45	5.05
Quality Contr	ol .	5.007	3.001	1.009	0.502
True Value Q	C	5.000	3.000	1.000	0.500
% Recovery		101	100	101	100
Relative Perc	ent Difference	0.2	0.1	0.3	0.4
METHODS: E	EPA 600/04-79-020	243.1	246.1	249.1	289.1

mist /\ '

Date

H7346m5

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyse. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use of posts of points incurred by client, its subsidiaries affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.





ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Receiving Date: 12/20/02 Reporting Date: 12/31/02 Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

92 Sampling Date: 12/20/02 92 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

RCRA METALS

LAB NUMBE	R SAMPLE ID	As	Ag	Ва	Cd	Cr	Pb	Hg	Se
		ppm							
ANALYSIS D	DATE:	12/27/02	12/30/02	12/30/02	12/30/02	12/30/02	12/30/02	12/31/02	12/27/02
H7346-9	QTR B4 122002	<0.1	<0.1	564	1.50	8.85	<0.1	0.333	0.158
H7346-10	QTR B5 122002	1.56	<0.1	637	1.70	10.7	<0.1	<0.02	<0.01
H7346-11	QTR B6 122002	2.66	<0.1	662	1.75	9.40	<0.1	0.187	0.065
H7346-12	QTR B7 122002	0.245	<0.1	676	1.80	9.35	<0.1	0.467	0.043
H7346-13	QTR C1 122002	0.323	<0.1	718	1.90	10.6	<0.1	0.028	<0.01
H7346-14	QTR C2 122002	0.367	<0.1	757	1.90	9.85	<0.1	<0.02	<0.01
H7346-15	QTR C3 122002	2.28	<0.1	757	1.95	9.95	<0.1	0.041	0.046
H7346-16	QTR C5 122002	1.64	<0.1	800	2.05	9.45	<0.1	<0.02	<0.01
Quality Contr	rol	0.049	4.912	41.51	0.959	4.991	4.982	0.0101	0.151
True Value C)C	0.050	5.000	50.00	1.000	5.000	5.000	0.0100	0.150
% Recovery		98.0	98.2	83.0	95.9	99.8	99.6	101.0	101
Relative Pero	cent Difference	5.7	0.6	0.6	0.4	0.3	0.3	0.1	2.8
METHODS: E	EPA 600/4-79-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS:	SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

Chemist Hill

12-31-02 Date

H7346m1





ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Receiving Date: 12/20/02 Reporting Date: 12/31/02 Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Sampling Date: 12/20/02 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

RCRA METALS

LAB NUMBER	SAMPLE ID	As	Ag	Ва	Cd	Cr	Pb	Hg	Se
		ppm							
ANALYSIS DA	TE:	12/27/02	12/30/02	12/30/02	12/30/02	12/30/02	12/30/02	12/31/02	12/27/02
H7346-1	QTR A1 122002	0.345	1.45	348	0.90	7.25	<0.1	0.018	0.210
H7346-2	QTR A2 122002	0.165	<0.1	389	0.90	7.35	<0.1	0.057	0.206
H7346-3	QTR A3 122002	<0.1	<0.1	431	1.00	8.00	<0.1	0.116	0.155
H7346-4	QTR A4 122002	<0.1	<0.1	466	1.15	7.90	<0.1	0.178	<0.01
H7346-5	QTR A5 122002	<0.1	<0.1	476	1.25	8.15	<0.1	0.176	0.089
H7346-6	QTR B1 122002	0.139	<0.1	470	1.25	8.25	<0.1	0.055	0.065
H7346-7	QTR B2 122002	<0.1	<0.1	489	1.65	8.25	<0.1	0.022	0.109
H7346-8	QTR B3 122002	<0.1	7.95	570	1.55	9.40	<0.1	0.011	0.128
					!				
Quality Control		0.049	4.912	41.51	0.959	4.991	4.982	0.0101	0.151
True Value QC		0.050	5.000	50.00	1.000	5.000	5.000	0.0100	0.150
% Recovery		98.0	98.2	83.0	95.9	99.8	99.6	101.0	101
Relative Percer	nt Difference	5.7	0.6	0.6	0.4	0.3	0.3	0.1	2.8
METHODS: EP	A 600/4-79-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS:	SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

Chemist

12-31-02 Date

H7346m



RECEIVED

SEP 2 2 2005

OIL CONSERVATION

Receiving Date: 12/20/02 Reporting Date: 12/31/02 Project Number: NOT GIVEN Project Name: NOT GIVEN Project Location: NOT GIVEN ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Sampling Date: 12/20/02 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

		Na	Ca	Mg	K	Conductivity	T-Alkalinity
LAB NUMBE	ER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mS/cm)	(mgCaCO ₃ /Kg)
ANALYSIS [DATE:	12/31/02	12/30/02	12/30/02	12/31/02	12/30/02	12/30/02
H7346-1	QTR A1 122002	338	64	15	4.68	372	460
H7346-2	QTR A2 122002	407	49	45	21.4	420	660
H7346-3	QTR A3 122002	473	49	42	2.12	411	880
H7346-4	QTR A4 122002	299	35	39	4.60	267	580
Quality Cont	rol	NR	42	41	4.67	1322	NR
True Value (2 C	NR	50	50	5.00	1413	NR
% Recovery		NR	84.0	82.0	93.4	93.6	NR
	cent Difference	NR	0.8	1.4	1.0	0.7	NR
METHODS:		SM3	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI ⁻	SO₄	CO ₃	HCO ₃	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS I	DATE:	12/30/02	12/31/02	12/30/02	12/30/02	12/30/02
H7346-1	QTR A1 122002	128	309	0	561	6.56
H7346-2	QTR A2 122002	112	386	0	805	6.47
H7346-3	QTR A3 122002	96	298	0	1074	6.48
H7346-4	QTR A4 122002	64	225	0	708	6.68
Quality Cont	trol	1000	50.20	NR	1068	7.02
True Value	QC	1000	50.00	NR	1000	7.00
% Recovery		100.0	100	NR	107	100
Relative Per	cent Difference	3.0	0.7	NR	7.7	0.4
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

Note: Analyses performed on 1:4 w:v aqueous extracts.

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ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Receiving Date: 12/20/02 Reporting Date: 12/31/02 Project Number: NOT GIVEN

Project Name: NOT GIVEN Project Location: NOT GIVEN

Sampling Date: 12/20/02 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

		Na	Ca	Mg	K	Conductivity	T-Alkalinity
LAB NUMBE	ER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mS/cm)	$(mgCaCO_3/Kg)$
ANALYSIS I	DATE:	12/31/02	12/30/02	12/30/02	12/31/02	12/30/02	12/30/02
H7346-5	QTR A5 122002	304	30	33	5.56	319	720
H7346-6	QTR B1 122002	280	69	33	9.92	464	440
H7346-7	QTR B2 122002	385	30	42	13.5	398	860
H7346-8	QTR B3 122002	116	54	48	14.3	451	400
Quality Cont	trol	NR	42	41	4.67	1322	NR
True Value		NR	50	50	5.00	1413	NR
% Recovery	1	NR	84.0	82.0	93.4	93.6	NR
	rcent Difference	NR	0.8	1.4	1.0	0.7	NR
METHODS:		SM3	3500-Ca-D	500-Mg E	8049	120.1	310.1

		CI ⁻	SO ₄	CO ₃	HCO ₃	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS [DATE:	12/30/02	12/31/02	12/30/02	12/30/02	12/30/02
H7346-5	QTR A5 122002	80	44.1	0	878	6.56
H7346-6	QTR B1 122002	96	340	0	537	6.62
H7346-7	QTR B2 122002	112	81	0	1049	6.59
H7346-8	QTR B3 122002	64	109	0	488	6.69
Quality Cont	rol	1000	50.20	NR	1068	7.02
True Value (ac .	1000	50.00	NR	1000	7.00
% Recovery		100.0	100	NR	107	100
Relative Per	cent Difference	3.0	0.7	NR	7.7	0.4
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

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ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Receiving Date: 12/20/02 Reporting Date: 12/31/02 Project Number: NOT GIVEN

Project Name: NOT GIVEN Project Location: NOT GIVEN Sampling Date: 12/20/02 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

		Na	Ca	Mg	K	Conductivity	T-Alkalinity
LAB NUMBE	R SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mS/cm)	(mgCaCO ₃ /Kg)
ANALYSIS D	DATE:	12/31/02	12/30/02	12/30/02	12/31/02	12/30/02	12/30/02
H7346-9	QTR B4 122002	161	44	27	8.20	280	420
H7346-10	QTR B5 122002	303	35	48	1.92	713	680
H7346-11	QTR B6 122002	295	40	27	6.72	700	700
H7346-12	QTR B7 122002	150	35	24	4.72	201	400
Quality Conti	rol	NR	42	41	4.67	1322	NR
True Value C	QC	NR	50	50	5.00	1413	NR
% Recovery		NR	84.0	82.0	93.4	93.6	NR
	cent Difference	NR	8.0	1.4	1.0	0.7	NR
METHODS:		SM3	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI ⁻	SO ₄	CO ₃	HCO ₃	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	12/30/02	12/31/02	12/30/02	12/30/02	12/30/02
H7346-9	QTR B4 122002	96	24.9	0	512	6.76
H7346-10	QTR B5 122002	64	168	0	830	6.51
H7346-11	QTR B6 122002	96	25.4	0	854	6.91
H7346-12	QTR B7 122002	64	27.6	0	488	6.95
Quality Contr	rol	1000	50.20	NR	1068	7.02
True Value C	OC .	1000	50.00	NR	1000	7.00
% Recovery		100.0	100	NR	107	100
Relative Perc	cent Difference	3.0	0.7	NR	7.7	0.4
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

Note: Analyses performed on 1:4 w:v aqueous extracts.



ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241-0418

FAX TO:

Receiving Date: 12/20/02 Reporting Date: 12/31/02

Project Number: NOT GIVEN Project Name: NOT GIVEN Project Location: NOT GIVEN Sampling Date: 12/20/02 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

		Na	Са	Mg	K	Conductivity	T-Alkalinity
LAB NUMBE	R SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mS/cm)	(mgCaCO ₃ /Kg)
ANALYSIS D	ATE:	12/31/02	12/30/02	12/30/02	12/31/02	12/30/02	12/30/02
H7346-13	QTR C1 122002	242	40	24	15.30	547	540
H7346-14	QTR C2 122002	188	44	12	15.4	394	300
H7346-15	QTR C3 122002	134	25	36	21.6	372	360
H7346-16	QTR C5 122002	187	25	48	17.0	306	520
Quality Contr	ol	NR	42	41	4.67	1322	NR
True Value Q	C	NR	50	50	5.00	1413	NR
% Recovery		NR	84.0	82.0	93.4	93.6	NR
Relative Perc	ent Difference	NR	0.8	1.4	1.0	0.7	NR
METHODS:		SM3	3500-Ca-D	500-Mg E	8049	120.1	310.1

		- CI	SO ₄	CO ₃	HCO ₃	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	12/30/02	12/31/02	12/30/02	12/30/02	12/30/02
H7346-13	QTR C1 122002	128	23.8	0	659	6.51
H7346-14	QTR C2 122002	96	146	0	366	6.78
H7346-15	QTR C3 122002	96	33.7	0	439	6.62
H7346-16	QTR C5 122002	96	31.6	0	634	6.51
Quality Contro	ol .	1000	50.20	NR	1068	7.02
True Value Q		1000	50.00	NR	1000	7.00
% Recovery		100.0	100	NR	107	100
Relative Perce	ent Difference	3.0	0.7	NR	7.7	0.4
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

Note: Analyses performed on 1:4 w:v aqueous extracts.



ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418 HOBBS, NM 88241

FAX TO:

Receiving Date: 12/20/02

Reporting Date: 12/28/02

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Sampling Date: 12/20/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

LAB NUMBER SAMPLE ID TPH (mg/Kg) BENZENE (mg/Kg) TOLUENE (mg/Kg) BENZENE (mg/Kg) XYLENES ANALYSIS DATE: 12/23/02 12/24/02 10/20 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005				1		ETHYL	TOTAL
ANALYSIS DATE: 12/23/02 12/24/02 12/24/02 12/24/02 12/24/02 12/24/02 H7346-1 QTR A1 122002 <10	LAB NUMBER	SAMPLE ID	TPH	BENZENE	TOLUENE	BENZENE	XYLENES
H7346-1 QTR A1 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-2 QTR A2 122002 <10			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
H7346-2 QTR A2 122002 <10	ANALYSIS DAT	E:	12/23/02	12/24/02	12/24/02	12/24/02	12/24/02
H7346-3 QTR A3 122002 <10	H7346-1	QTR A1 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-4 QTR A4 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-5 QTR A5 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-6 QTR B1 122002 <10 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-7 QTR B2 122002 <10 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-8 QTR B3 122002 <10 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-9 QTR B4 122002 <10 <0.005 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-10 QTR B5 122002 <10 <0.005 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-11 QTR B6 122002 <10 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-12 QTR B7 122002 <10 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-13 QTR C1 122002 <10 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-14 QTR C2 122002 <10 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-15* QTR C3 122002 <10 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-16* QTR C5 122002 <40 <0.005 <0.005 <0.005 <0.005 <0.015 H7346-16* QTR C5 122002 <40 <0.005 <0.005 <0.005 <0.005 <0.015 True Value QC 240 0.100 0.100 0.100 0.100 0.300 % Recovery	H7346-2	QTR A2 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-5 QTR A5 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-6 QTR B1 122002 <10	H7346-3	QTR A3 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-6 QTR B1 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-7 QTR B2 122002 <10	H7346-4	QTR A4 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-7 QTR B2 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-8 QTR B3 122002 <10	H7346-5	QTR A5 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-8 QTR B3 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-9 QTR B4 122002 <10	H7346-6	QTR B1 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-9 QTR B4 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-10 QTR B5 122002 <10	H7346-7	QTR B2 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-10 QTR B5 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-11 QTR B6 122002 <10	H7346-8	QTR B3 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-11 QTR B6 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-12 QTR B7 122002 <10	H7346-9	QTR B4 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-12 QTR B7 122002 <10	H7346-10	QTR B5 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-13 QTR C1 122002 <10	H7346-11	QTR B6 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-14 QTR C2 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-15* QTR C3 122002 <10	H7346-12	QTR B7 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-15* QTR C3 122002 <10 <0.005 <0.005 <0.005 <0.015 H7346-16* QTR C5 122002 40.7 <0.005	H7346-13	QTR C1 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-16* QTR C5 122002 40.7 <0.005 <0.005 <0.005 <0.015 Quality Control 251 0.095 0.091 0.092 0.271 True Value QC 240 0.100 0.100 0.100 0.300 % Recovery 105 95.1 91.1 91.6 90.3	H7346-14	QTR C2 122002	<10	<0.005	<0.005	<0.005	<0.015
Quality Control 251 0.095 0.091 0.092 0.271 True Value QC 240 0.100 0.100 0.100 0.300 % Recovery 105 95.1 91.1 91.6 90.3	H7346-15*	QTR C3 122002	<10	<0.005	<0.005	<0.005	<0.015
True Value QC 240 0.100 0.100 0.100 0.300 % Recovery 105 95.1 91.1 91.6 90.3	H7346-16*	QTR C5 122002	40.7	<0.005	<0.005	<0.005	<0.015
True Value QC 240 0.100 0.100 0.100 0.300 % Recovery 105 95.1 91.1 91.6 90.3							
% Recovery 105 95.1 91.1 91.6 90.3			251	0.095	0.091	0.092	0.271
			240	0.100	0.100	0.100	0.300
Relative Percent Difference 1.8 6.8 7.2 7.6 6.3	% Recovery		105	95.1	91.1	91.6	90.3
	Relative Percen	t Difference	1.8	6.8	7.2	7.6	6.3

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260

*BTEX analysis performed on 12/27/02.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, toss of use, or loss of profits incurred by client, its subsidiaries, affiliat 4 7 348 37 (Fig. out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or other services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or other services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or other services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or other services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or other services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or other services hereunder by Cardinal, regardless of whether such claims is based upon any of the above-stated reasons or other services hereunder by Cardinal, regardless of whether such claims is based upon any of the above-stated reasons or other services here in the services here in the services have been serviced by the service have been serviced by the ser

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Sampler - UPS - Bus - Other:

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Phone Result | Yes Fax Result: | Yes REMARKS:

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Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

RECEIVED

ANALYTICAL RESULTS FOR

SMSWF

ATTN: KENA KAY COOPER

P.O. BOX 418 HOBBS, NM 88241

FAX TO:

OIL CONSERVATION

SEP 2 2 2005

Receiving Date: 09/30/02

Reporting Date: 10/03/02
Project Number: NOT GIVEN

Project Name: SMSWF QTRLY Project Location: SMSWF

Sampling Date: 09/29/02 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

					ETHYL	TOTAL
LAB NO.	SAMPLE ID	TPH	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS [DATE:	10/02/02	09/30/02	09/30/02	09/30/02	09/30/02
H7088-1	A1 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-2	A2 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-3	A3 QTRLY 93002	13.8	<0.005	<0.005	<0.005	<0.015
H7088-4	A4 QTRLY 93002	15.2	<0.005	<0.005	<0.005	<0.015
H7088-5	A5 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-6	B1 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-7	B2/3 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-8	B3 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-9	B4 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-10	B5 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-11	B6 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-12	B7 QTRLY 93002	16.3	<0.005	<0.005	<0.005	<0.015
H7088-13	C1 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-14	C2 QTRLY 93002	6.12	<0.005	<0.005	<0.005	<0.015
H7088-15	C3 QTRLY 93002	<10.0	<0.005	<0.005	<0.005	<0.015
H7088-16	C5 QTRLY 93002	2.56	<0.005	<0.005	<0.005	<0.015
Quality Cont	rol	247	0.103	0.103	0.108	0.310
True Value C	C C	240	0.100	0.100	0.100	0.300
% Recovery		103	103	103	108	103
Relative Per	cent Difference	1.7	0.3	0.2	0.7	0.8

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260

Burgess J./A. Copke, Ph. D.

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. If the deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable services. If the deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable services. If the deemed waived unless made in writing and received by Cardinal writing and received by Cardin



ANALYTICAL RESULTS FOR: S M S W F ATTN: KENA KAY COOPER 314 W. MARLAND HOBBS, NM 88240 FAX TO: 505-393-8943

Receiving Date: 6/27/02 Reporting Date: 6/28/02

Project Number: SMSWF QRTLY Project Name: SMSWF QRTLY Project Location: SMSWF CELLS Sampling Date: 6/27/02 Sample Type: SOIL Sample Condition:INTACT

Received By: GP Analyzed By: JA

LAB ID	SAMPLE ID				ETHYL-	TOTAL
		TPH	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
H6850-1	QRT A1 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-2	QRT A2 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-3	QRT A3 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-4	QRT A4 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-5	QRT A5 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-6	QRT B1 62702	22.0	<0.002	<0.002	<0.002	<0.006
H6850-7	QRT B2/3 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-8	QRT B3 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-9	QRT B4 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-10	QRT B5 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-11	QRT B6 62702	25.2	<0.002	<0.002	<0.002	<0.006
H6850-12	QRT C1 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-13	QRT C2 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-14	QRT C3 62702	<20.0	<0.002	<0.002	<0.002	<0.006
H6850-15	QRT C\$ 62702	22.0	<0.002	<0.002	<0.002	<0.006
		1 1				

Extraction Date:	6/28/02	6/28/02	6/28/02	6/28/02	6/28/02
Analysis Date:	6/28/02	6/28/02	6/28/02	6/28/02	6/28/02
Method Blank	<10.0	<0.002	<0.002	<0.002	<0.006
Sample LCS	334	0.094	0.096	0.112	0.340
True Value LCS	305	0.100	0.100	0.100	0.300
LCS % Recovery	109.6%	94%	96%	112%	113%
Matrix Spike	1060	0.096	0.100	0.108	0.319
True Value Matrix Spike	1015	0.100	0.100	0.100	0.300
Matrix Spike % Recovery	105.0%	96%	100%	108%	106%
Matrix Spike RSD (%)	0.5%	4.3%	5.6%	6.5%	6.0%

METHODS:

TPH-SW 846 3550, 418.1; BTEX/MTBE-EPA SW-846 8021B, 5030B

Jim Armstrong

Date 1

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.
2111 Baschwood, Ablishs, TX 79603 101 East Marland, Hobbs, NM 88240

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f Cardinal cannot accept verbal changes. Please fax written changes to (916) 673-7020.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.
2111 Beechwood, Abliene, TX 79603 101 East Mariand, Hobbs, NM 88240

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है † Cardinal cannot accept verbal changes. Please fax written changes to (916) 673,7020.



HONE (915) 873-7001 . 2111 BEECHWOOD . ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 478 HOBBS, NM 88241

FAX TO: (505) 393-8943

Sampling Date: 03/15/02

Sample Type: SOIL

Sample Condition: COOL AND INTACT

Sample Received By: HM

Analyzed By: AH

Receiving Date: 03/15/02 Reporting Date: 03/20/02 Project Number: NOT GIVEN

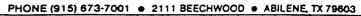
Project Name: ANNUAL
Project Location: S.M.S.W.F.

TOTAL METALS

				101VF IAII	LIALS
LAB NUMBER	R SAMPLE ID	ALUMINUM Al	cobal:	t Coppe Cu	E Ilon
		(ppm)	(ppm)	(ppm)	(ppm)
ANALYSIS DA	NTE:	03/20/02	03/20/02	03/20/02	03/20/02
H6597-1	TZMANN.B631502	4746	<1	1.25	6030
				:	
Quality Contro		5.635	4.875	4.976	5.004
True Value QC	>	5.000	5.000	5.000	5.000
% Recovery		113	97.5	99.5	100
Relative Perce	nt Difference	2.4	0.2	0.3	0.1
METHODS: EF	PA 600/04-79-020	202.1	219.1	220.1	236.1
		MAGANESE	MOlyboles	Jun Nickel	ZINE
••		Mn	Мo	NI	Zn
		(ppm)	(ppm)	(ppm)	(ppm) į
ANALYSIS DA	TE:	03/20/02	03/20/02	03/20/02	03/20/02
H6597-1	TZMANN.B631502	42.55	131	<1	8.15
Quality Control		5.000	5.407	5.236	0.493
True Value QC		5.000	5.000	- 5.000	0.500
% Recovery		100	108	105	98.6
Relative Percer		0.1	2.2	0.7	0.1
METHODS: EP	A 600/04-79-020	243.1	246.1	249.1	289.1

3-20-02

Date





ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 478 HOBBS, NM 88241

FAX TO: (505) 393-8943

Sampling Date: 03/15/02 Sample Type: SOIL

Sample Condition: COOL AND INTACT

Sample Received By: HM

Analyzed By: AH

Receiving Date: 03/15/02 Reporting Date: 03/20/02 Project Number: NOT GIVEN Project Name: ANNUAL Project Location: S.M.S.W.F.

RCRA METALS

LAB NUMBER SAMPLE ID	As	Ag	Ва	Cd	Cr	Pb	Hg	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	ARSENIC	SILVER	BARIUM	CAdmium	Chaomium	Lead	MERCURY	SELENIUM
ANALYSIS DATE:	03/20/02	03/18/02	03/18/02	03/18/02	03/18/02	03/18/02	03/18/02	03/20/02
H6597-1 TZMANN.B63	31502 : <1	<1	<5	<0.5	<1	<1	<0.2	<1
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Quality Control	0.148	0.914	23.49	1.005	4.768	4.341	0.0105	0.150
True Value QC	0.150	1.000	25.00	1.000	5.000	5.000	0.0100	0.150
% Recovery	98.7	91.4	94.0	101	95.4	86.8	105	100
Relative Percent Difference	6.7	0.1	5.7	0.1	0.4	0.5	5.0	4.5
METHODS: EPA 600/4-79-0	20 206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS: SW-	346 7060A	7760A	7080A	7130	7190	7420	7470A	7740



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ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 478 HOBBS, NM 88241

FAX TO: (505) 393-8943

Receiving Date: 03/15/02 Reporting Date: 03/19/02 Project Number: NOT GIVEN Project Name: ANNUAL Project Location: S.M.S.W.F. Sampling Date: 03/15/02 Sample Type: SOIL

Sample Condition: COOL AND INTACT

Sample Received By: HM

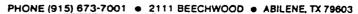
Analyzed By: HM

	Na	Ca	Mg	K	Conductivity	T-Alkalinity
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mS/cm)	(mgCaCO ₃ /Kg)
	Sodium	calcium	MAGNESIUM	Pot Asslum		
ANALYSIS DATE:	:	03/18/02			03/18/02	03/18/02
H6597-1 TZMANN.B631502	641	77	12	75	602	1563
Quality Control	; NR	55	49	5.27	1489	NR
True Value QC	NR.		50		1413	NR
% Recovery	NR		97.2	105	105	NR.
Relative Percent Difference	NR:		6.0	0:	0.3	NR
METHODS:	SMC	3500-Ca-D	3500-Mg E	8049	120.1	310.1
	CI ⁻	SO ₄	CO3	HCO₃	pН	
	(mg/Kg) CLIDENS	(mg/Kg) Sulphate	(mg/Kg) NHeate	(mg/Kg), BICARbonate	(s.u.) 7 Naertea	L
ANALYSIS DATE:	03/18/02	03/19/02	03/18/02:	03/18/02!	03/18/02	_
H6597-1 TZMANN.B631502	32	118	0:	1907	7.81	
		<u>-</u> .	i			
Quality Control	980	52.66	NR	975	7.02	
True Value QC	1000	50.00	NR	1000	7.00	
% Recovery	98	105	NR	97.5	100	
Relative Percent Difference	6.0	0.6	NR	2.7	0.1	•
METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1	

Affalyses performed on 1:4 w:v aqueous extracts.

Date

NOTE Lability and Danague. Cardinar's lichity and client's exclusive remely for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. Including those for negligence and any other cause whatever shall be deemed waived unless made in writing and messived by Cardinal within thinty (30) days after completion of the explicit in the explicit of the particular or consequential damages, including, without limitation, business interruptions, loss of use, or loss of poils incurred by client the subscituring successors arrange out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of he above that meaning of characters.





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ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 478 HOBBS, NM 88241

FAX TO: (505) 393-8943

Receiving Date: 03/15/02

Reporting Date: 03/19/02 Project Number: NOT GIVEN

Project Number: NOT GIVEN Project Name: CELL QTRLY

Project Location: S.M.S.W.F.

Sampling Date: 03/15/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: HM

Analyzed By: BC

	LAB NUMB	EF SAMPLE ID	TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
	ANALYSIS	DATE:	03/18/02	03/15/02	03/15/02	03/15/02	03/15/02
J	H6596-1	QRT B-1 31502	94.0	<0.005	< 0.005	<0.005	<0.015
V	H6596-2	QRT B-3 31502	<10	<0.005	<0.005	<0.005	<0.015
•	H6596-3	QRT B-4 31502	68.7	<0.005	< 0.005	< 0.005	<0.015
•	H6596-4	QRT B-5 31502	107	<0.005	<0.005	<0.005	<0.015
	H6596-5	QRT B-6 31502	112	<0.005	<0.005	<0.005	<0.015
	H6596-6	QRT C-1 31502	52.2	<0.005	<0.005	<0.005	<0.015
·	H6596-7	QRT C-2 31502	90.7	<0.005	<0.005	<0.005	<0.015
~	H6596-8	QRT C-3E 31502	54.1	<0.005	<0.005	<0.005	<0.015
\	H6596-9	QRT A-1 31502	68.0	<0.005	<0.005	<0.005	<0.015
V	H6596-10	QRT A-2 31502	67.5	<0.005	<0.005	<0.005	<0.015
4	H6596-11	QRT A-3 31502	76.5	<0.005	<0.005	<0.005	<0.015
	H6596-12	QRT A-5 31502	59.6	<0.005	<0.005	<0.005	<0.015
[
_[Quality Cont		251	0.096	0.092	0.096	0.278
	True Value (240	0.100 i	0.100	0.100	0.300
-	% Recovery		104	95.7	92.2	95.6	92.6
L	Relative Per	cent Difference	1.7	1.6	5.0	0.3	1.8

METHODS: TRPHC - EPA 600/7-79-020, 418.1; BTEX - EPA SW-846-8020

Burgess J. A. Cooke, Ph. D.

Date

ENCIF Listency and Deserges: Cerdinal's lability and clerif's exclusive remedy for any claim arising, whether based in contract or fort, shall be limited to the amount paid by clerif to carebase in the contract or fort. Shall be limited to the amount paid by clerif to carebase in writing and received by Cerdinal within him/ (30) Gyr after completion of the applicable. If no event shall be limited by finite and the contract or consequential daments, including, without limitation, business interruptions, loss of use, or loss of profits included by clerif, in subsidiaries.

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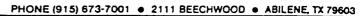
ARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abllene, TX 79803 (915) 673-7001 Fax (915) 673-7020 101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

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† Cardinal cappot accept verbal changes. Please fax written changes to 915-873-7020.



ARDINAL LABORATORIES

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240



RECEIVED

SEP 2 2 2005

OIL CONSERVATION

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 478

HOBBS, NM 88241

FAX TO: (505) 393-8943

DIVISION

Receiving Date: 03/15/02

2

Reporting Date: 03/19/02

Sampling Date: 03/15/02 Sample Type: SOIL

Project Number: NOT GIVEN

Sample Condition: COOL & INTACT

Project Name: SOIL SAMPLE CELL

Sample Received By: HM

Project Location: S.M.S.W.F.

Analyzed By: BC

TOTAL ETHYL . LAB NUMBEF SAMPLE ID TPH BENZENE TOLUENE BENZENE **XYLENES** (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) ANALYSIS DATE: 03/18/02 03/15/02 03/15/02 03/15/02 03/15/02 SMSWF C-2 SOIL H6598-1 397 <0.005 <0.005 < 0.005 <0.015 H6598-2 SMSWF C-1 SOIL 527 < 0.005 < 0.005 < 0.005 <0.015 **Quality Control** 251 0.096 0.092 0.096 0.278 True Value QC 240 0.100 0.100 0.100 0.300 % Recovery 104 95.7 92.2 95.6 92.6 Relative Percent Difference 1.7 1.6 5.0 0.3 1.8

METHODS: TRPHC - EPA 600/7-79-020, 418.1; BTEX - EPA SW-846-8020

Burgess J. A. Cooke, Ph. D.

3/19/02

Date

ARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS IN

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (815) 673-7001 Fax (815) 673-7020 (505) 393-2326 Fax (505) 393-2476

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Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

Quarterly, Do Not Use

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ED

SEY 2 3 2005

OIL COLLEGE STATION

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241

FAX TO: (505) 393-8943

Receiving Date: 12/14/01

Reporting Date: 12/18/01

Project Number: NOT GIVEN

Project Name: CELL QUARTERLY Project Location: S.M.S.W.F.

Sampling Date: 12/14/01

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

					ETHYL	TOTAL
LAB NO.	SAMPLE ID	TPH	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS	DATE:	12/14/01	12/14/01	12/14/01	12/14/01	12/14/01
H6349-1	C-1-QTR 121401	<10	<0.005	<0.005	<0.005	<0.015
H6349-2	C-2-QTR 121401	<10	<0.005	<0.005	<0.005	<0.015
H6349-3	C-3-QTR 121401	18.1	<0.005	<0.005	<0.005	<0.015
H6349-4	B-1-QTR 121401	436	<0.005	<0.005	<0.005	<0.015
H6349-5	B-3-QTR 121401	43.0	<0.005	<0.005	<0.005	<0.015
H6349-6	B-4-QTR 121401	42.2	<0.005	<0.005	<0.005	<0.015
H6349-7	B-5-QTR 121401	42.6	<0.005	<0.005	<0.005	<0.015
H6349-8	A-5-QTR 121401	53.5	<0.005	<0.005	<0.005	<0.015
Quality Cor	ntrol	234	0.106	0.106	0.112	0.328
True Value	QC	240	0.100	0.100	0.100	0.300
% Recover	y	97.6	106	106	112	109
Relative Pe	ercent Difference	8.8	1.6	1.0	0.6	2.0

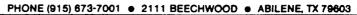
METHODS: TRPHC - EPA 600/7-79-020, 418.1; BTEX - EPA SW-846-8020

H6349.XLS

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79803

Company Name: S. Project Manager: Project Manager: Project Manager: Phone #: 393 - E Fax #: 393 - E Project Name: (E) Project Location: S. Project Location: S.	111 Beechwood, Abi (915) 873-7001 Fax (915) 873-7001 Fax (915) 873-7001 Fax State: 2 State: 2 State: 2 State: 2 State: 2 On. S. W.F. Sample I.D.	OR (C)OMP. AINERS 7.7 OP (C)OMP. OP (C)OMP.		393-23 393-23 Comp. Attn: Addre Ctty: State: Phone	st Marland, 193-2326 Fax BILL TO Company: Attn: Address: City: State: Phone #: Fax #: PRES.	101 East Marland, Hobbs, NM 882 (505) 393-2326 Fax (505) 393-2476	Zip:	101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476 BIIL TO PO#: Company: Address: Zip: Address: Addr		>	ANALYSIS		REQUEST			2.		
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.





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SEP 2 2 2005

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

OIL CONSERVATION ENVISION P.O. BOX 418

HOBBS, NM 88241 FAX TO: (505) 393-8943

Receiving Date: 12/14/01

Sampling Date: 12/14/01

Reporting Date: 12/18/01
Project Number: NOT GIVE

Sample Type: SOIL

Project Number: NOT GIVEN

Sample Condition: COOL & INTACT

Project Name: SOIL SAMPLES Project Location: S.M.S.W.F.

Sample Received By: BC

Analyzed By: BC

LAB NO. SAMPLE ID TPH BENZENE TOLUENE BENZENE XYLENES (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg)

ANALYSIS	DATE:		12/14/01	12/14/01	12/14/01	12/14/01	12/14/01
H6348-1	C-1 E&	W 121401	149	<0.005	<0.005	<0.005	<0.015
H6348-2	C-2 EA	ST 121401	2400	<0.005	<0.005	<0.005	<0.015
H6348-3	C-2 W	EST 121401	116	<0.005	<0.005	<0.005	<0.015
H6348-4	C-3	121401	517	<0.005	<0.005	<0.005	<0.015
H6348-5	A-5	121401	506	<0.005	<0.005	<0.005	<0.015
Quality Con	trol		234	0.106	0.106	0.112	0.328
True Value	QC	·	240	0.100	0.100	0.100	0.300
% Recovery	1		97.6	106	106	112	109
Relative Pe	rcent Diffe	rence	8.8	1.6	1.0	0.6	2.0

METHODS: TRPHC - EPA 600/7-79-020, 418.1; BTEX - EPA SW-846-8020

Burgess JJ. A. Gooke, Ph. D.

Date

12-15-01

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

H6348.XLS

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DINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79803

(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476 101 East Marland, Hobbs, NM 88240

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[†] Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.





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SEP 2 & 2005 OIL CONSTRUY LIVISION

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 478 HOBBS, NM 88241

FAX TO: (505) 393-8943

Receiving Date: 09/04/01

Sampling Date: 09/04/01

Reporting Date: 09/06/01

Sample Type: SOIL

Project Number: NOT GIVEN

Sample Condition: COOL & INTACT

Project Name: S.M.S.W.F. QUARTERLY

Sample Received By: AH

Project Location: S.M.S.W.F.

Analyzed By: BC

					ETHYL	TOTAL
LAB NO.	SAMPLE ID	TPH	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS	DATE:	09/05/01	09/05/01	09/05/01	09/05/01	09/05/01
H6132-1	QTR 9401-C-1-E	<10	<0.005	<0.005	<0.005	<0.015
H6132-2	QTR 9401-C-2-E	<10	<0.005	<0.005	<0.005	<0.015
H6132-3	QTR 9401-B-3	18.8	<0.005	<0.005	<0.005	<0.015
H6132-4	QTR 9401-B-1	<10	<0.005	<0.005	<0.005	<0.015
H6132-5	QTR 9401-C-3-E	<10	<0.005	<0.005	<0.005	<0.015
H6132-6	QTR 9401-B-4	<10	<0.005	<0.005	<0.005	<0.015
Quality Con	trol	240	0.093	0.090	0.095	0.282
True Value	QC	240	0.100	0.100	0.100	0.300
% Recovery	1	100	92.6	90.4	94.9	94.0
Relative Per	rcent Difference	0.7	9.9	8.4	10.1	8.4

METHODS: TRPHC - EPA 600/4-79-020, 418.1; BTEX - EPA SW-846 8260

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020 101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

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roject Location	.MS, W.F.								Phone #:	3	77	"																			SP 64
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PHONE (915) 673-7001 . 2111 BEECHWOOD . ABILENE TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

he what is the W but he

SEP 2 2 2005

CIL CURSERVATION - ELVISION

Receiving Date: 08/23/01
Reporting Date: 08/27/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN

Project Location: S.M.S.W.F.

ANALYTICAL RESULTS FOR

S.M.S.W.F.

ATTN: KENA KAY COOPER

P.O. BOX 478 HOBBS, NM 88241

FAX TO: (505) 393-8943

Sampling Date: 08/23/01 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

					ETHYL	TOTAL
LAB NO.	SAMPLE ID	TPH	BENZENE	TOLUENE	BENZENE	XYLENES
Quart	ધ્ય	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS !	DATE:	08/24/01	08/24/01	08/24/01	08/24/01	08/24/01
H6016-1	CELL B-1	15.6	<0.005	<0.005	<0.005	<0.015
H6016-2	CELL B-3	11.9	<0.005	<0.005	<0.005	<0.015
H6016-3	CELL B-4	37.4	<0.005	<0.005	<0.005	<0.015
H6016-4	CELL C-1	12.9	<0.005	<0.005	<0.005	<0.015
H6016-5	CELL C-2	19.6	<0.005	<0.005	<0.005	<0.015
H6016-6	CELL C-3	26.8	<0.005	<0.005	<0.005	<0.015
H6016-7	CELL C-3E	361	-	-	-	-
Quality Cont	rol	238	0.109	0.099	0.105	0.307
True Value C	SC	240	0.100	0.100	0.100	0.300
% Recovery		99.3	109	98.6	105	102
Relative Per	cent Difference	1.4	6.1	6.1	5.1	4.3

METHODS: TRPHC - EPA 600/4-79-020, 418.1; BTEX - EPA SW-846 8260

Chemist V

Date

H6106 XIS.

PLEASE NOTE: I also, on Description (Complete Complete Co



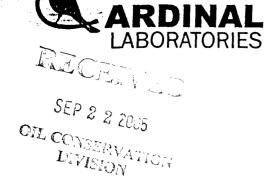
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

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	•	sed upon any of the above stated research	Received By:		Sampler Reling
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		*		" S·M.S.W. F.	Project Location:
		State: 7 in:			Project Name:
		City:		Project Owner:	Project #:
		Address:	393-8943	-01/4 Fax#:	Phone #: 343
		Attn:	N.M.ZIp: 88240	Starte:	
		Company:		9/ 120x 7/8	- 3
		P.O. #:		NE ZA X	J!
ANALYSIS REQUEST		971.10		7:11. J. W.	Project Manage
Page of The Page o		(505) 393-2476	020 (505) 393-2326 Fax (505) 393-2476	7	Company Name:

ot accept verbal changes. Please fax written changes to 505-393-2476.



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240



ANALYTICAL RESULTS FOR

SMSWF

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88240-0418 FAX TO: (505) 393-8943

Receiving Date: 02/20/01

Sampling Date: 02/20/01

Reporting Date: 02/21/01

Sample Type: SOIL

Project Number: CELL B-1

Sample Condition: COOL & INTACT

Project Name: QUARTERLY SAMPLING REPORT

Sample Received By: AH

Project Location: MONUMENT, NM

Analyzed By: BC

LAB NO.	SAMPLE ID	TPH (mg/Kg)_	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg).	TOTAL XYLENES (mg/Kg)
ANALYSIS	DATE:	02/20/01	02/20/01	02/20/01	02/20/01	02/20/01
H5633-1	CELL B-122001	<10	<0.005	<0.005	<0.005	<0.015
Quality Con	trat	241	1031	0.094	0.094	0.095
True Value		240	1000	0.100	0.100	0.100
% Recovery		100	103	94.0	94.4	95.1
	rcent Difference	0.3	1.9	6.4	5.9	5.2

METHODS: TRPHC - EPA 600/4-79-020, 418-1; BTEX - EPA SW-846-8260

2/21/01

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abliene, TX 79603 101 E

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

. !	(915) 673-7001 Fax (915) 673-7020	-7020 (505) 393-2328 Fay (505) 393-2476	DDS, NM 88240				
Company Name:	SMSWF	- Ł			ANAI YSIS REGILEST		
Project Manager:	Kena Ka Copen		P.O. #			,	
Address:	× (1)		Company: SMSWF			 	
City: 11cbb	Starte:	NM 2111-0-111-C8'S :1915 MV	Attn:			J. 1.	
Phone #: 393		ى كالا	Address: P.C. Box 418				
Project #: Ce	B. Project Owner:		le bos				
Project Name:	Juanterly Samply	Sampline Penart st	خ ح				
Project Location:	Manum		انر				
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	Time:	1.mg 15					
Delivered By: (Circle One)	(Circle One)	Sample Condition Cool Intact	CHECKED BY:	•			19. july 19.
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2478.



SOUTH MONUMENT SURFACE WASTE FACILITY, L.L.C.

NM PERMIT #NM-01-0032 * LANDFARM * DIRT SALES P.O. BOX 418 HOBBS, NM 88241-0418 (505) 393-3174 WORK (505) 390-3088 CELL

February 22, 2001

NM Energy, Minerals and Natural Resources Oil Conservation Division Environmental Bureau 1220 S. St. Francis Dr. Santa Fe, NM 87505 ATTN: MARTYNE KIELING

RE: SMSWF B-1 CELL-6 MONTH SAMPLING REPORT

Dear Ms. Kieling:

In accordance with the conditions set forth by the New Mexico Oil Conservation Division (OCD), Rule 711, attached is the laboratory analysis for soil sample taken from Cell B-1, 6 months after dirt was received. This report is to maintain a written record with the OCD.

One soil sample was taken from Cell B-1 approximately 2 1/2' below the native ground surface and submitted to Cardinal Laboratories for analysis to Total Petroleum Hydrocarbons (TPH) and volatile aromatic organics (BTEX). Analytical results are summarized in Table 1 and a copy of the lab analysis report attached.

Please call me if you have any questions or need additional information.

Sincerely,

Kena Kay Cooper

Operator

CC: OCD-District 1 1625 N. French Dr. Hobbs, NM 88240



SOUTH MONUMENT SURFACE WASTE FACILITY, L.L.C.

NM PERMIT #NM-01-0032 . LANDFARM P.O. BOX 418 HOBBS, NM 88241-0418 (505) 393-3174 WORK (505) 390-3088 CELL

SOUTH MONUMENT SURFACE WASTE FACILITY TABLE #1 - 6 MONTH SOIL SAMPLE ANALYSIS

GENERATOR INFORMATION: SOILS PLACED IN CELL B-1

GENERATOR	DATE	SOURCE LOCATION	VOL CU YD.
YARBOROUGH	8/23/00	NEW LEASE	144 YDS.
BURLESON INC.	11/15/00		384 YDS.
DYNEGY MID.	01/23/01		24 YDS.

SAMPLING DOCUMENTATION:

X

LANDFARM

CELL B-1

SAMPLE DATE:

2/20/01

TYPE:

RANDOM GRAB

ANALYSIS: TPH & BTEX

CELL B-1

RESULTS:

L	AB SAMPLE II	D: CELL E	3-122001 ANA	LYSIS DATE: 2/0	2/01
TPH	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	mg/kg
<10	<0.005	<0.005	<0.005	<0.015	

METHODS: TRPHC - EPA 600/4-79-020. 481.1; BTEX-EPA SW-846 8260



PHONE (505) 393-2325 + 101 E. MARLAND + HOBBS, NM 38240

SEP 2 2 2015

OIL CONSERVATION

ANALYTICAL RESULTS FOR WALTON CONSTRUCTION, INC.

ATTN: DAVID WALTON

P.O. BOX 478

HOBBS, NM 88241

FAX TO: (505) 393-8943

Sampling Date: 08/23/00

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

Receiving Date: 08/23/00
Reporting Date: 08/28/00
Project Number: NOT GIVEN
Project Name: SMSWF LANDFARM

Project Location: LANDFARM

	Na	Ca	Mg	K	Conductivity	T-Alkalinity
LAB NUMBER SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(uS/cm)	(mgCaCO ₃ /L)
ANALYSIS DATE:	08/28/00	08/28/00	08/28/00	08/28/00	08/28/00	08/28/00
H5120-1 -	43	33	28	24	168	164
Ougliby Control	NID.	42	45	5.05	14431	NR
Quality Control	NR					NR
True Value QC	ı NR			5.00		
% Recovery	NR			101:		NR
Relative Percent Difference	NR	· 0,	2.4	01	0.41	NR
METHODS:	SM	3500-Ca-D	3500-Mg E.	8049	120.1	310.1
	CI ⁻	SO₄	CO ₃	HCO ₃	рН	
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	
ANALYSIS DATE:	08/28/00	08/28/00	08/28/00	08/28/00	08/28/00	
H5120-1 -	79	44:	01	200	6.20	
		:				
Quality Control	962	51.51	NR;	1088	6.99	
		<u>.</u>				
True Value QC	1000	50.00	NRI	1000!	7.00	
% Recovery	96.2	103;	NR	109	99.9	

1.2

SM4500-CI-B

Sayle DI Tum

Relative Percent Difference

METHODS:

09/05/2000 Date /

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375.4

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ARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

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racated by.		1 1 1	□ No	Add'l Phone #: Add'l Fax #:	
Sample Condition (1) Yes					
<u> </u>	State: // Zip: 88241-047 ax #: 393 8943 CYNC-CUY GYNC-CUY GYNC-CUY GYNC-CUY GYNC-CUY GROUNDWATER IGROUNDWATER WASTEWATER AND AND AND AND AND AND AND AND AND AND	Addross: Chy: SAMPL COOLAINERS GROUNDWATER GROUNDWATER GROUNDWATER WASTEWATER WASTEWATER CRUDE OIL CRUDE OIL SLUDGE GOTHER: SAMPL COOLAINERS GOTHER: SAMPL COOLAINERS GROUNDWATER PRESERVY SAMPL COOLAINERS GOTHER: SCOOL COOLAINERS GOTHER: SCOOL COOLAINERS GOTHER: SCOOL COOLAINERS GOTHER: SCOOL COOLAINERS GOTHER: SCOOL COOLAINERS GOTHER: SCOOL COOLAINERS GOTHER: SAMPL COOLAINERS GOTHER: SAMPL COOLAINERS GOTHER: SAMPL COOLAINERS GOTHER: SAMPL COOLAINERS GOTHER: G	PLING PLING PLING PLING PLING I I I I I I I I I I I I I I I I I I I	PLING PLING	PLING PLING TIME TIME VI N. 1

^{†.} Cardinal cannot accopt verbal changes. Please fax written changes to 505-393-2476.



SOUTH MONUMENT SURFACE WASTE FACILITY, L.L.C.

September 18, 2000

NM Energy, Minerals and Natural Resources Oil Conservation Division Environmental Bureau 2040 S. Pacheco Street Santa Fe, NM 87505 ATTN: MARTYNE KIELING

RE: SMSWF BACKGROUND SAMPLE

Dear Ms. Kieling:

In accordance with the conditions set forth by the New Mexico Oil Conservation Division (OCD), Rule 711, attached is the background soil sample and lab analysis for South Monument Surface Waste Facility (SMSWF). This report is to maintain a written record with the OCD for the background soil sample of SMSWF.

One background soil sample was taken from the center portion of SMSWF two feet below the native ground surface prior to operation and submitted to Cardinal Laboratories for analysis of total petroleum hydrocarbons (TPH), volatile aromatic organics (BTEX), major cations and anions and Water Quality Control Commission (WQCC) heavy metals. Analytical results are summarized in Table 1 and a copy of the lab analysis reports are attached.

Please call me if you have any questions or need additional information.

Sincerely,

Kena Kay Cooper Operator

CC: OCD-District 1 P.O. Box 1908

Kenc Las (copen

Hobbs, NM 88241-1908 ATTN: Donna Williams

SOUTH MONUMENT SURFACE WASTE FACILITY TABLE NO. 1 BACKGROUND SAMPLE

Summary of Analytical Results from Native Soil Sampling

LAB SAM	PLE ID H5120-	L			
METHODS	: TPH & BTEX:		EPA 600/4 EPA SW-84	-79-020, 418.1 6 8260	
TPH mg/kg					
<10	TPH				
BTEX mg/kg					
<0.005 <0.005	BENZENE TOLUENE ETHYL BENZENE TOTAL XYLENE			·	
METHOD:	RCRA TOTAL M	ETALS -	EPA SW-84	6 7000 SERIES	
RCRA ME	TALS				
24.75 <1 <1 40.45 49.65 0.040	BARIUM CADMIUM CHROMIUM LEAD				
METHODS:	SM3500-Ca-D, Sm4500-C1-B,				
GENERAL mg/L	CHEMISTRY				
43 33 28 24 168	SODIUM CALCIUM MAGNESIUM POTASSIUM CONDUCTIVITY T-ALKALINITY	. · · ·	79 44 0 200 6.20	CHLORIDES SULFATE CARBONATE BICARBONATE pH	
			4.		



PHONE (505) 393-2325 - 101 E. MARLAND - HOBBS. NM 38240

SEP 2 2 2005
OIL COMMINATION
LIVISION

Receiving Date: 08/23/00
Reporting Date: 09/01/00
Project Number: NOT GIVEN
Project Name: SMSWF LANDFARM

Project Location: LANDFARM

ANALYTICAL RESULTS FOR WALTON CONSTRUCTION, INC.

ATTN: DAVID WALTON

P.O. BOX 478 HOBBS, NM 88241 FAX TO: (505) 393-8943

> Sampling Date: 08/23/00 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

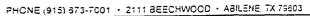
RCRA METALS

LAB NUMBER SAM	IPLE ID	As	Ag	8a	Cd	Cr	Pb	Hg	Se ppm
		ppm	ppm	ppm	ppm	ppm	bbw	ppm	ppiii
ANALYSIS DATE:	·	08/29/00:	08/31/00	08/31/00	08/31/00	08/31/00:	08/31/00	09/01/00:	08/30/00
H5120-1 -		1.18	24.75	<1	<1	40.45	49.65	0.040	<1
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Quality Centrel		0.207	4.856	24.53	0.521.	4.880	4.993	0.0061	0.046
True Value QC	į	0.200	5.000	25.00	0.500	5.0001	5,0001	0.0060	0.050
% Recovery		104	97.1	98.1	104	97.6	99.9	102.01	92
Relative Percent Diffe	erence	1.3	0.4	1.3	0.4	1.3	1.3	1.8	5.7
METHODS: EPA 60	0/4-79-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS:	SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

Say Martin

09/01/2000 Date

H512CM.XLS





PHONE (505) 393-2326 + 101 E. MARLAND + HOBBS NM 38240

ANALYTICAL RESULTS FOR WALTON CONSTRUCTION ATTN: DAVID WALTON

P.O. BOX 478 HOBBS, NM 88241

FAX TO: (505) 393-8943

Receiving Date: 08/23/00

Reporting Date: 08/24/00

Project Owner: KENA COOPER
Project Name: SMSWF LANDFARM

Project Location: LANDFARM

Sampling Date: 08/23/00

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

LAB NO. SAMPLE ID	TPH (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:	08/23/00	08/23/00	08/23/00	08/23/00	08/23/00
H5120-1 -	<10	<0.005	< 0.005	<0.005	<0.015
:	1	1	:	1	
			:		: !
			<u> </u>	1	i
		1	ī		
Quality Control	229	0.087	0.089	0.092	0.280
True Value QC	240	0.100	0.100	0.100	0.300
% Recovery	95.6	86.5	88.7	91.6	93.3
Relative Percent Difference	7.3	5.7	9.7	4.5	4.7

METHODS: TRPHC - EPA 600/4-79-020, 418.1; BTEX - EPA SW-846 8260

Chemist

Date

H5120.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or fort, shall be limited to the amount paid by client for analyses.

All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thiny (30) days after completion of the adoptional service, in no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, toss of use, or loss of profits incurred by client, its substitutes of the profit of consequential to the performance of services hereunder by Cardinal, recardless of whether such claim is based upon any of the above-stated reasons or otherwise.



SOUTH MONUMENT SURFACTWASTE FACILITY, L.L.C.

NM PERMIT #NM-01-0032 * LANDFARM * DIRT SALI P.O. BOX 418 HOBBS, NM 88241-0418 (505) 393-3174 WORK, (505) 390-3088 CELL

FEB 26

FRIVATION PRVYDEW

February 22, 2001

NM Energy, Minerals and Natural Resources Oil Conservation Division Environmental Bureau 1220 S. St. Francis Dr. Santa Fe, NM 87505

RE: SMSWF B-1 CELL-6 MONTH SAMPLING REPORT

Dear Ms. Kieling:

ATTN: MARTYNE KIELING

In accordance with the conditions set forth by the New Mexico Oil Conservation Division (OCD), Rule 711, attached is the laboratory analysis for soil sample taken from Cell B-1, 6 months after dirt was received. This report is to maintain a written record with the OCD.

One soil sample was taken from Cell B-1 approximately 2 1/2' below the native ground surface and submitted to Cardinal Laboratories for analysis to Total Petroleum Hydrocarbons (TPH) and volatile aromatic organics (BTEX). Analytical results are summarized in Table 1 and a copy of the lab analysis report attached.

Please call me if you have any questions or need additional information.

Sincerely,

Kena Kay Cooper

Operator

CC: OCD-District 1 1625 N. French Dr. Hobbs, NM 88240



SOUTH MONUMENT SURFACEWASTE FACILITY, L.L.C.

NM PERMIT #NM-01-0032 * LANDFARM * DIRT SALES
P.O. BOX 418 HOBBS, NM 88241-0418
(505) 393-3174 WORK (505) 390-3088 CELL

SOUTH MONUMENT SURFACE WASTE FACILITY TABLE #1 - 6 MONTH SOIL SAMPLE ANALYSIS

GENERATOR INFORMATION: SOILS PLACED IN CELL B-1

GENERATOR	DATE	SOURCE LOCATION	VOL CU YD.
YARBOROUGH	8/23/00	NEW LEASE	144 YDS.
BURLESON INC.	11/15/00		384 YDS.
DYNEGY MID.	01/23/01		24 YDS.

SAMPLING DOCUMENTATION:

X

LANDFARM

CELL B-1

SAMPLE DATE:

2/20/01

TYPE:

RANDOM GRAB

ANALYSIS:

TPH & BTEX

CELL B-1

RESULTS:

LAF	S SAMPLE II	D: CELL E	3-122001 ANAI	LYSIS DATE: 2/0	2/01
ТРН	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	mg/kg
<10	<0.005	<0.005	<0.005	<0.015	

METHODS: TRPHC - EPA 600/4-79-020. 481.1; BTEX-EPA SW-846 8260





PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR **SMSWF**

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88240-0418 FAX TO: (505) 393-8943

Receiving Date: 02/20/01

Reporting Date: 02/21/01

Project Number: CELL B-1

Project Name: QUARTERLY SAMPLING REPORT Project Location: MONUMENT, NM

Sampling Date: 02/20/01

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

					ETHYL	TOTAL
LAB NO.	SAMPLE ID	TPH	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS	DATE:	02/20/01	02/20/01	02/20/01	02/20/01	02/20/01
H5633-1	CELL B-122001	<10	<0.005	<0.005	<0.005	<0.015
						<u> </u>
Quality Con	itrol	241	1031	0.094	0.094	0.095
True Value	QC	240	1000	0.100	0.100	0.100
% Recovery	<i>y</i>	100	103	94.0	94.4	95.1
Relative Pe	rcent Difference	0.3	1.9	6.4	5.9	5.2

METHODS: TRPHC - EPA 600/4-79-020, 418.1; BTEX - EPA SW-846 8260

und ext da Coolie

2/21/01

PLEASENCTE: Clability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

ARDINAL LABORATORIES, INC.

	(915) 673-7001 Fax (915) 673-7020	101 East Mariand, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476	bbs, NM 88240 05) 393-2476		Page of
Company Name:	SMSWF				ANALYSIS REQUEST
Project Manager:	Kena Ki, Cooper	P.(P.O. #:		
Address:	118 1	င	company: SMSWF		
City: Hebbs	Starte:	M zip: 88241 .0418 Attn:	ä		
Phone #: 393	3 74 Fax# 3	943	Address: P.C. Box 418	8	
Project #: Ce	Project Owner:		196 96		
Project Name: (Quarterly Sampline Repart				
Project Location:	Manuni		Phone #: 393 317 (
mpler Name:	David Walton	T B	Fox #: 393 8943		
SR LAB UBE ONLY		MATRIX	PRESERV SAMPLING		
		R		<u>l</u> Ex	
Lab I.D.	Sample I.D.	G)RAB OR (C)OIL CONTAINERS ROUNDWATER VASTEWATER COIL CRUDE OIL SLUDGE OTHER:	CID/BASE: CE/COOL OTHER:	418. BTE	
H54033-1	(21) B-122001		alacle	11 8 11 W:11	
	And the second s				
WELL SHOW SWA					
aralyses. All claims including to service. In no event shall Card	ember. At claims in challeng these for registrates and any size cause interest in our water in contrast or contras	ann anneg werene bested in contract of con, the ed websel unless pieck in writing and received b ad heibalton, bushess hisropilaris, loss of use,	aneway or core, when the entitied to the entitled peed by the client is ing and received by Carothal within 30 days other completion of t form, less of use, or loss of profile incurred by client. The subsidia	it for the of the applicable o	Terra and Cardiffees thread will be charged on all accounts make then 30 days part doe of a rate of 24% par arount term the arightal date of basica, and all orate of confident backform includes them.
Sampler Relinguished:	tes or successors artistig out of or related to the performance of earsices harsunder by Cardin moder Relinguished:	Racalyari Far			
Lencken	Pan (ccpan 1171:30	Coccessed by:	Res	Fax Result: U Yes U No REMARKS:	o Add'l Fax #:
Relinquished By:	C Date:	Received By: (Lab Staff)			
Delivered By: (Circle One) Sampler - UPS - Bus - Other)	(Circle One) Bus - Other;	Sample Condition	CHECKED BY: (Initials)		

[†] Cardinal cannot accept vertial changes. Please fax written changes to 505-393-2478.



SOUTH MONUMENT SURFACE NASTE FACILITY, L.L.C.

NM PERMIT #NM-01-0032 *

LANDFARM

DIRT SALES

P.O. BOX 418 HOBBS, NM 88241-0418 (505) 393-3174 WORK (505) 390-3088 CELL

OCT 2 2000

THIS ERVATION DIVERNIE

September 18, 2000

NM Energy, Minerals and Natural Resources Oil Conservation Division Environmental Bureau 2040 S. Pacheco Street Santa Fe, NM 87505 ATTN: MARTYNE KIELING

RE: SMSWF BACKGROUND SAMPLE

Dear Ms. Kieling:

In accordance with the conditions set forth by the New Mexico Oil Conservation Division (OCD), Rule 711, attached is the background soil sample and lab analysis for South Monument Surface Waste Facility (SMSWF). This report is to maintain a written record with the OCD for the background soil sample of SMSWF.

One background soil sample was taken from the center portion of SMSWF two feet below the native ground surface prior to operation and submitted to Cardinal Laboratories for analysis of total petroleum hydrocarbons (TPH), volatile aromatic organics (BTEX), major cations and anions and Water Quality Control Commission (WQCC) heavy metals. Analytical results are summarized in Table 1 and a copy of the lab analysis reports are attached.

Please call me if you have any questions or need additional information.

Sincerely,

Kena Kay Cooper Operator

obergrot

CC: OCD-District 1 P.O. Box 1908

Hobbs, NM 88241-1908 ATTN: Donna Williams

SOUTH MONUMENT SURFACE WASTE FACILITY TABLE NO. 1 BACKGROUND SAMPLE

Summary of Analytical Results from Native Soil Sampling

METHODS	: TPH & BTEX: TRPHC -	EPA 600/4-79	9-020, 418.1
	BTEX -	EPA SW-846 8	3260
ТРН			
mg/kg			
<10	ТРН		
BTEX			
mg/kg			
<0.005	BENZENE		
<0.005	TOLUENE		
	ETHYL BENZENE		
<0.015	TOTAL XYLENE		
METHOD:	RCRA TOTAL METALS -	EPA SW-846	7000 SERIES
RCRA ME	TALS		
ppm			
1.18	ARSENIC		
	SILVER 1.23		
<1	BARIUM		
<1	CADMIUM		
40.45	CHROMIUM 2.02		
49.65	LEAD 7.48		
	MERCURY		
<1	SELENIUM		
METHODS	: SM3500-Ca-D, 3500-Mg	g E, 8049, 1	20.1, 310.1
	Sm4500-Cl-B, 375.4,	310.1, 150.	1
	CHEMISTRY		
mg/L			<u>-</u>
43	SODIUM	79	CHLORIDES
33	CALCIUM	44	SULFATE
28	MAGNESIUM	0	CARBONATE
24	POTASSIUM	200	BICARBONATE
	CONDUCTIVITY	6.20	рН
168 164	T-ALKALINITY		





PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR WALTON CONSTRUCTION ATTN: DAVID WALTON

P.O. BOX 478 HOBBS, NM 88241

FAX TO: (505) 393-8943

Receiving Date: 08/23/00

Reporting Date: 08/24/00

Project Owner: KENA COOPER

Project Name: SMSWF LANDFARM

Project Location: LANDFARM

Sampling Date: 08/23/00

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

LAB NO. SAMPI	LE ID TPH (mg/kg)		E TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:	08/23/00	08/23/00	08/23/00	08/23/00	08/23/00
H5120-1 -	<10	<0.005	<0.005	<0.005	<0.015
:			·	: !	
			, ,		;
			i i		
Quality Control	229	0.087	0.089	0.092	0.280
True Value QC	240	0.100	0.100	0.100	0.300
% Recovery	95.6	86.5	88.7	91.6	93.3
Relative Percent Diffe	erence 7.3	5.7	9.7	4.5	4.7

METHODS: TRPHC - EPA 600/4-79-020, 418.1; BTEX - EPA SW-846 8260

Chemist

Date



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR WALTON CONSTRUCTION, INC.

ATTN: DAVID WALTON

P.O. BOX 478 HOBBS, NM 88241

FAX TO: (505) 393-8943

Receiving Date: 08/23/00
Reporting Date: 09/01/00
Project Number: NOT GIVEN

Project Name: SMSWF LANDFARM

Project Location: LANDFARM

Sampling Date: 08/23/00

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

RCRA METALS

LAB NUMBER SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
	ppin	ppiii	ppiii	ppiii	ppin	ppiii	ppiii	ppiii
ANALYSIS DATE:	08/29/00	08/31/00	08/31/00	08/31/00	08/31/00	08/31/00	09/01/00	08/30/00
H5120-1 -	1.18	24.75	<1	<1	40.45	49.65	0.040	<1
Quality Control	0.207	4.856	24.53	0.521	4.880	4.993	0.0061	0.046
True Value QC	0.200	5.000	25.00	0.500	5.000	5.000	0.0060	0.050
% Recovery	104	97.1	98.1	104	97.6	99.9	102.0	92
Relative Percent Difference	1.3	0.4	1.3	0.4	1.3	1.3	1.8	5.7
METHODS: EPA 600/4-79-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS: SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

Chemist Chemist

09/01/2000

H5120M.XLS

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ANALYTICAL RESULTS FOR WALTON CONSTRUCTION, INC.

ATTN: DAVID WALTON

P.O. BOX 478 HOBBS, NM 88241 FAX TO: (505) 393-8943

Receiving Date: 08/23/00 Reporting Date: 08/28/00 Project Number: NOT GIVEN

Project Name: SMSWF LANDFARM

Project Location: LANDFARM

Sampling Date: 08/23/00

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

		_		.,		
	Na	Ca	Mg	K	Conductivity	•
LAB NUMBER SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(<i>u</i> S/cm)	(mgCaCO ₃ /L)
ANALYSIS DATE:	08/28/00	08/28/00	08/28/00	08/28/00	08/28/00	08/28/00
H5120-1 -	43	33	28	24	168	164
Ouglity Control	ND.	40	A.E.	E 0E	1443	NR
Quality Control	NR	42	45	5.05		
True Value QC	NR	50	50	5.00	1413	NR
% Recovery	NR	84	90.9	101	102	NR
Relative Percent Difference	NR	0	2.4	0	0.4	NR
METHODS:	SM3	3500-Ca-D	3500-Mg E	8049	120.1	310.1
	cı ⁻	SO ₄	CO ₃	HCO ₃	рН	
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	
ANALYSIS DATE:	08/28/00	08/28/00	08/28/00	08/28/00	08/28/00	
H5120-1 -	79	44	0	200	6.20	
Overlity Control	060	E4 E4	ND	1000	6.00	
Quality Control	962	51.51	NR	1088	6.99	
True Value QC	1000	50.00	NR	1000	7.00	
% Recovery	96.2	103	NR	109	99.9	
Relative Percent Difference	1.2	1.5	NR	8.1	0	
METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1	

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ARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240

(915) 673-7001 Fax (915) 673-7020	0 (505) 393-2326 Fax (505) 393-2476	(505) 393-2476		Pageof	
Company Name: LACATON CONSTRUC	10n	01 718		ANALYSIS REQUEST	
Project Manager: Carico (JC)+CI	,	P.O.# SMS(N) F			_
Address: P.CI. BOX 178		Company: TO TON CO	0		
State: ///	Q NO-11, 838 : 012	Attn:			
Phone #: 353-374 Fax #: 39	3.8943	Address:			
Project #: Project Owner	Project Owner: Lenc (00012	Clty:			
Project Name: SMSWF Lanciar M		State: Zip:			
Project Location: LOMC(QVM		Phone #:			
Sampler Name: Do bic Wellton		Fax #:			
ATNO 380 BAT V	MATRIX	PRESERV. SAMPLING			
Lab I.D. Sample I.D.	RAB OR (C)OMF CONTAINERS OUNDWATER ASTEWATER IL UDE OIL UDGE	HER: ID/BASE: :/COOL HER:	418.1 Btex		
115120-1	<u></u>	0/56/8	2		_
PLEASE NOTE: Libbilly and Damagos. Cardballs liability and directs contains remark for any claim aring whether beard in contract or tord, shall be limited to the amount paid by the claim for the	dain arbity whether based in contract or to	rt, shall be limbed to the amount paid by the clara!	or the	Terras and Conditions: Interest will be charged on all	accounts more fram
service. In no event shall Cardhal be lable for incidental or consequental decrugae, including without limitation, baskess high updom, load of use, or loss of profits fround by client, its abbeddates, stillates or successors enhanged of or related to the performance of services becaused by Cardhal, regardless of whether such claim is based upon any of the above stated researce or effectives.	Brout limbation, business interruptions, loss of rdinal, regardless of whether such claim is be	use, or loss of profits incurred by client, its subsidiaries sed upon any of the shove stated ressons or otherwis		and all costs of collections, including attentiony's feet.	ne prignal data of Shelos,
Sampler Relinquished: Time:	Time:		Phone Result: ☐ Yes ☐ No Fax Result: ☐ Yes ☐ No REMARKS:	Add'l Phone #: Add'l Fax #:	
Relinquished By Relinquished By COC Time: Delivered By: (CCC) COC 1: OSOM	Received By: (Lab Staff)	CHECKED BY:			
Sampler - UPS - Bus - Other:	Cool Vintact				

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.