

NM1 - 32

MONITORING REPORTS

YEAR(S):

2004 - 2000



ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

RECEIVED

SEP 22 2005

RECEIVED
ENVIRONMENTAL
DIVISION

ANALYTICAL RESULTS FOR
S.M.S.W.F.
ATTN: KENA KAY COOPER
P.O. BOX 418
HOBBS, NM 88241
FAX TO:

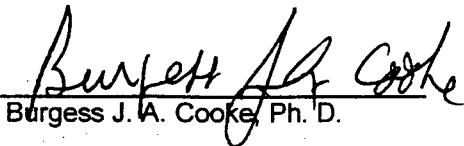
Receiving Date: 04/23/04
Reporting Date: 04/24/04
Project Owner: KENA KAY COOPER
Project Name: CLOSURE
Project Location: S.M.S.W.F.

Sampling Date: 04/22/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

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

ANALYSIS DATE:		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 Control		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 Percent 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


Burgess J. A. Cooke, Ph. D.

4/24/04
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. 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.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page of [illegible]



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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 DATE:		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 Percent 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 A. Cooke, Ph. D.

7/2/03
Date

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Page 1 of 2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: SMSWOF					
Project Manager: Kena Kay					
Address:					
City: State: Zip:					
Phone #: 392-1050					
Fax #:					
Project #: QTR Project Owner:					
Project Name:					
Project Location: SMSWOF					
FOR LAB USE ONLY					
LAB I.D.					
Sample I.D.					
H7714-1	QTR A162603	(G)RAB OR (C)OMP.	# CONTAINERS		
-2	A2	G	P		
-3	A3	/	/		
-4	A4	/	/		
-5	A5	/	/		
-6	B1	/	/		
-7	B3	G	P		
-8	B562703	G	P		
-9	B6	/	/		
-10	B7	/	/		
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SAMPLER RELINQUISHED:					
Date: 6-26-03	Received By:				
Time: 11:30					
RELIQUISHED BY:					
Date: 6-27-03	Received By: (Lab Staff)				
Time: 3:30					
Delivered By: (Circle One)					
Sampler UPS - Bus - Other:	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)			
ANALYSIS REQUEST					
418.1 TPH					
BTEX					
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 collections, including attorney's fees.					

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



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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: 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 & INTACT
Sample Received By: GP
Analyzed By: BC

MODIFIED REPORT

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

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

*Reanalysis date.

Burgess J. A. Cooke, Ph. D.

6/3/03
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: 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

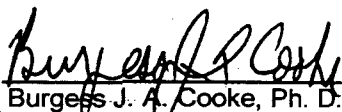
Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: BC

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


Burgess J. A. Cooke, Ph. D.

5/20/03
Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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SEP 22 2005
OIL CONSERVATION
DIVISIONANALYTICAL 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 DATE:		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 Control		239	0.098	0.090	0.090	0.268
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		99.6	98.2	89.8	90.3	89.3
Relative Percent 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


Burgess J. A. Cooke, Ph. D.4/1/03
Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

Company Name: **5MS WLF**
Project Manager: **KENA KAY COOPER**
Address:

City: State: Zip:

Phone #: **312-1050** **392-1050**
Fax #:

Project #: **QTR COLD** Project Owner: **KENA KAY COOPER**
Project Name: State: Zip:

Project Location: **SM S.W. F** Phone #: Fax #:

BILL TO PO #:
Company:
Attn:
Address:
City:
State: Zip:

ANALYSIS REQUEST

Address:		City:		State:		Zip:		Company:							
Phone #:		314-461-1111		712-1050				Attn:							
Fax #:								Address:							
Project #:		QTR Coll		Project Owner:		Kern Kay Capital		City:							
Project Name:								State:							
Project Location:		Simsco F						Zip:							
FOR LAB USE ONLY				Phone #:				Fax #:							
LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRES.	SAMPLING				
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
H2560-1	QTR A1 33003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DATE	TIME	TPH 418.1	BTEx
		A2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3-30-03	1417		
		A3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1410			
		A4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1420			
		A5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1431			
		B1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1437			
		B3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1337			
		B4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1326			
		B5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1319			
		B6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1310			
LAB NOTE: Verify and compare Cardinal's ability and alert's exclusive remedy for any claim arising whether based in contract or tort shall be indicated by the undersigned.															

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Sampler Relinquished: Date: Received By: **3-30-03** Phone Result: ☒ Yes ☐ No Additional Fax #:
Relinquished By: **Ray R. Larson** Time: Received By: (Lab Staff) **3-30-03** Fax Result: ☐ Yes ☐ No

Delivered By: **Circle K** Sample Condition: **Good** Checked By: **Circle K** (Initials)
Sampler - UPS - Bus - Other: ☒ Yes ☐ No

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

Please Call Ray @ 390-5921



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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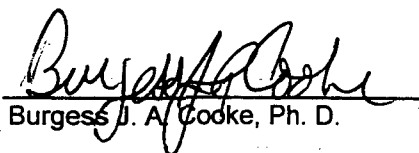
ANALYTICAL RESULTS FOR
S.M.S.W.F.
ATTN: KENA KAY COOPER
P.O. BOX 418
HOBBS, NM 88241-0418
FAX TO:

Receiving Date: 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 (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS 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
Quality Control		241	0.092	0.093	0.098	0.283
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		100	92.3	93.2	98.4	94.4
Relative Percent 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.

3/13/03
Date

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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: (505) 393-8943

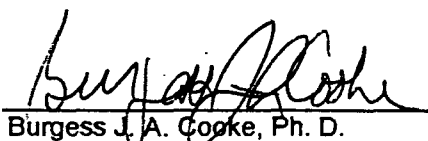
Receiving Date: 02/19/03
Reporting Date: 02/20/03
Project Number: NOT GIVEN
Project Name: CELL C-3
Project Location: NOT GIVEN

Sampling Date: 02/14/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

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

2/20/03
Date

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Page of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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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:

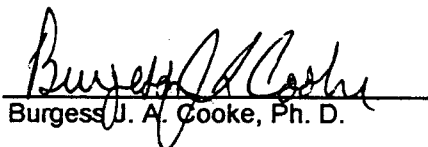
Receiving Date: 01/14/03
Reporting Date: 01/15/03
Project Number: NOT GIVEN
Project Name: CELL C-1 CLOSURE
Project Location: SMSWF C-1

Sampling Date: 01/13/02
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 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 Difference		0.7	2.1	0.7	6.0	7.9

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


Burgess J. A. Cooke, Ph. D.

1/15/03
Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

Company Name: SMSWF

Project Manager: KENAKAY COOPER

Address: P.O. Box 418

City: Hobbs

Phone #: Home 391-8391 Fax #:

Project #: C-1 Closure Project Owner:

Project Name:

Project Location: SMSWF C-1

Sampler Name: Ray R. Pascon

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H7406-1 SMSWF C-1 closure

(G)RAB OR (C)OMP.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
CRUDE OIL
SLUDGE
OTHER:
ACID/BASE:
ICE / COOL
OTHER:

DATE TIME

1-13-03 1600

TPH 418.1
BTEX

ANALYSIS REQUEST

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Sampler Relinquished:

Date: 1-14-03

Time: 1400

Relinquished By: Ray R. Pascon

Date: 1/14/03

Time: 1400

Delivered By: (Circle One)

Sampler UPS - Bus - Other:

Received By: (Lab Staff)

Sample Condition

Good ☒ Yes ☐ No

Intact ☒ Yes ☐ No

Checked By: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Call Ray 390-5921

Terms and Conditions: Payment will be charged to 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 collection, including attorney's fees.

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RECEIVED

SEP 2 2 2005

OIL CONSERVATION
DIVISIONReceiving Date: 12/20/02
Reporting Date: 12/31/02
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVENANALYTICAL 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 NUMBER	SAMPLE ID	Al (ppm)	Co (ppm)	Cu (ppm)	Fe (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 Control		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 Percent Difference		3.2	0.2	0.2	0.1
METHODS: EPA 600/04-79-020		202.1	219.1	220.1	236.1

		Mn (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
ANALYSIS 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 Control		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 Percent Difference		0.2	0.1	0.3	0.4
METHODS: EPA 600/04-79-020		243.1	246.1	249.1	289.1

Chemist

Date

H7346m2

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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:

Sampling Date: 12/20/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

Receiving Date: 12/20/02

Reporting Date: 12/31/02

Project Number: NOT GIVEN

Project Name: NOT GIVEN

Project Location: NOT GIVEN

TOTAL METALS

LAB NUMBER	SAMPLE ID	Al (ppm)	Co (ppm)	Cu (ppm)	Fe (ppm)
ANALYSIS 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 Control		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 Percent Difference		3.2	0.2	0.2	0.1
METHODS: EPA 600/04-79-020		202.1	219.1	220.1	236.1

		Mn (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
ANALYSIS 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 Control		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 Percent Difference		0.2	0.1	0.3	0.4
METHODS: EPA 600/04-79-020		243.1	246.1	249.1	289.1

Chemist

Date

H7346m3

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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

TOTAL METALS

LAB NUMBER	SAMPLE ID	Al (ppm)	Co (ppm)	Cu (ppm)	Fe (ppm)
ANALYSIS DATE:		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 Control		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 Percent Difference		3.2	0.2	0.2	0.1
METHODS: EPA 600/04-79-020		202.1	219.1	220.1	236.1

		Mn (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
ANALYSIS DATE:		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 Control		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 Percent Difference		0.2	0.1	0.3	0.4
METHODS: EPA 600/04-79-020		243.1	246.1	249.1	289.1

Chemist

Date

H7346m4

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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:

Sampling Date: 12/20/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

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

TOTAL METALS

LAB NUMBER	SAMPLE ID	Al (ppm)	Co (ppm)	Cu (ppm)	Fe (ppm)
ANALYSIS DATE:		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 QC		5.000	5.000	5.000	5.000
% Recovery		92.5	101	102	101
Relative Percent Difference		3.2	0.2	0.2	0.1
METHODS: EPA 600/04-79-020		202.1	219.1	220.1	236.1

		Mn (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
ANALYSIS DATE:		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 Control		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 Percent Difference		0.2	0.1	0.3	0.4
METHODS: EPA 600/04-79-020		243.1	246.1	249.1	289.1


Chemist

12-31-02
Date

H7346m5

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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

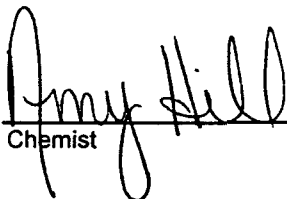
Sampling Date: 12/20/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

RCRA METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

ANALYSIS 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 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 Percent Difference	5.7	0.6	0.6	0.4	0.3	0.3	0.1	2.8

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

12-31-02
Date

H7346m1

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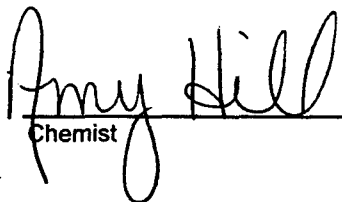
ANALYTICAL RESULTS FOR
S.M.S.W.F.
ATTN: KENA KAY COOPER
P.O. BOX 418
HOBBS, NM 88241-0418
FAX TO:

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

RCRA METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS 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
H7346-1	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 Percent Difference		5.7	0.6	0.6	0.4	0.3	0.3	0.1	2.8
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

12-31-02
Date

H7346m

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RECEIVED

SEP 22 2005

OIL CONSERVATION

LABORATORY

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

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (mS/cm)	T-Alkalinity (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 Control		NR	42	41	4.67	1322	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	84.0	82.0	93.4	93.6	NR
Relative Percent Difference		NR	0.8	1.4	1.0	0.7	NR
METHODS:		SM3500-Ca-D 3500-Mg E		8049	120.1	310.1	

		Cl ⁻ (mg/Kg)	SO ₄ (mg/Kg)	CO ₃ (mg/Kg)	HCO ₃ (mg/Kg)	pH (s.u.)
ANALYSIS 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 Control		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 Percent Difference		3.0	0.7	NR	7.7	0.4
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

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

Amy Hill
Chemist

12-31-02
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:

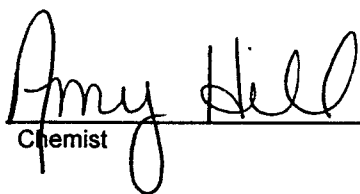
Receiving Date: 12/20/02
Reporting Date: 12/31/02
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/20/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (mS/cm)	T-Alkalinity (mgCaCO ₃ /Kg)
ANALYSIS 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 Control		NR	42	41	4.67	1322	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	84.0	82.0	93.4	93.6	NR
Relative Percent Difference		NR	0.8	1.4	1.0	0.7	NR
METHODS:		SM3500-Ca-D 3500-Mg E			8049	120.1	310.1

	Cl ⁻ (mg/Kg)	SO ₄ (mg/Kg)	CO ₃ (mg/Kg)	HCO ₃ (mg/Kg)	pH (s.u.)
ANALYSIS DATE:	12/30/02	12/31/02	12/30/02	12/30/02	12/30/02
H7346-5	80	44.1	0	878	6.56
H7346-6	96	340	0	537	6.62
H7346-7	112	81	0	1049	6.59
H7346-8	64	109	0	488	6.69
Quality Control	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 Percent Difference	3.0	0.7	NR	7.7	0.4
METHODS:	SM4500-Cl-B		375.4	310.1	150.1

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


Chemist

12-31-02
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

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (mS/cm)	T-Alkalinity (mgCaCO ₃ /Kg)
ANALYSIS 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 Control		NR	42	41	4.67	1322	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	84.0	82.0	93.4	93.6	NR
Relative Percent Difference		NR	0.8	1.4	1.0	0.7	NR
METHODS:		SM3500-Ca-D 3500-Mg E			8049	120.1	310.1

		Cl ⁻	SO ₄	CO ₃	HCO ₃	pH
		(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
H7346-9	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 Control		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 Percent Difference		3.0	0.7	NR	7.7	0.4
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

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

Amy Hill
Chemist

12-31-02
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:

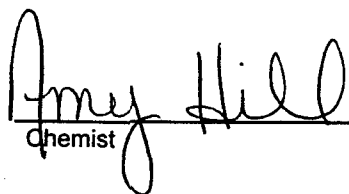
Receiving Date: 12/20/02
Reporting Date: 12/31/02
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/20/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (mS/cm)	T-Alkalinity (mgCaCO ₃ /Kg)
ANALYSIS DATE:		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 Control		NR	42	41	4.67	1322	NR
True Value QC		NR	50	50	5.00	1413	NR
% Recovery		NR	84.0	82.0	93.4	93.6	NR
Relative Percent Difference		NR	0.8	1.4	1.0	0.7	NR
METHODS:		SM3500-Ca-D 3500-Mg E			8049	120.1	310.1

		Cl ⁻ (mg/Kg)	SO ₄ (mg/Kg)	CO ₃ (mg/Kg)	HCO ₃ (mg/Kg)	pH (s.u.)
ANALYSIS DATE:		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 Control		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 Percent Difference		3.0	0.7	NR	7.7	0.4
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1

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


Chemist

12-31-02
Date

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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

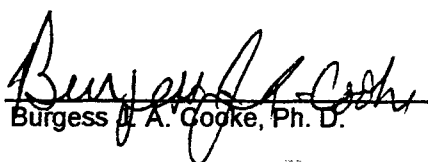
Sample Received By: BC

Analyzed By: BC

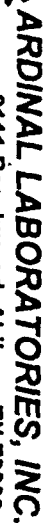
LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		12/23/02	12/24/02	12/24/02	12/24/02	12/24/02
H7346-1	QTR A1 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-2	QTR A2 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-3	QTR A3 122002	<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	<0.015
H7346-7	QTR B2 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	<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	<0.005	<0.005	<0.005	<0.015
H7346-12	QTR B7 122002	<10	<0.005	<0.005	<0.005	<0.015
H7346-13	QTR C1 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	<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
Relative Percent 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.


Burgess A. Cooke, Ph. D.12/28/02
Date

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Page 1 of 2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please fax written changes to 815-673-7020.



CARDINAL LABORATORIES, INC.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

Company Name:

Project Manager:

Address:

City:

Phone #:

Fax #:

Project #:

Project Name:

Project Location:

BILL TO PO #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

ANALYSIS REQUEST

LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRES.	SAMPLING		ANALYSIS REQUEST									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :		DATE	TIME										
H7346-1	ART B6122002	G	1								12/20/02	1107										
-12	B7	G	1									1111										
-13	C1	G	1									1122										
-14	C2	G	1									1128										
-15	C3	G	1									1133										
-16	C5	G	1									122002	1140									

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 2 1/4% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Date:

Time:

Date:

Time:

Received By:

Time:

Date:

Time:

Received By: (Lab Staff)

Sample Condition

Checked By:

(Initials)

REMARKS:

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Additional Fax #: _____

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



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OIL CONSERVATION
DIVISION

Receiving Date: 09/30/02

Reporting Date: 10/03/02

Project Number: NOT GIVEN

Project Name: SMSWF QTRLY

Project Location: SMSWF

ANALYTICAL RESULTS FOR
SMSWF

ATTN: KENA KAY COOPER

P.O. BOX 418

HOBBS, NM 88241

FAX TO:

Sampling Date: 09/29/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

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:		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 Control		247	0.103	0.103	0.108	0.310
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		103	103	103	108	103
Relative Percent 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. Cooke, Ph. D.10/3/02
Date

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

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 QRTL
Project Name: SMSWF QRTL
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						TOTAL XYLENES (mg/Kg)
		TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (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 C5 62702	22.0	<0.002	<0.002	<0.002		<0.006

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

6-28-02

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: S M S W F		P.O. #:		ANALYSIS REQUEST	
Project Manager: KENA Kay Cooper		Company:			
Address: 314 W. Maryland		Attn:			
City: Hobbs		Address:			
Phone #: 393-3174		City:			
Fax #: 393-8943		State:			
Project #: S M S W F QRLY		Zip:			
Project Location: S M S W F CE115		Phone #:			
Sample Name: Roy K. KNScon		Fax #:			
FOR LAB USE ONLY		PRESERV.			
Lab I.D.		SAMPLED			
Sample I.D.		DATE		TIME	
RET A1		6-27-02		12:22	
-2		A2		12:15	
-3		A3		12:09	
-4		A4		11:58	
-5		A5		11:50	
-6		B1		10:10	
-7		B2/3		10:29	
-8		B3		11:28	
-9		B4		11:18	
-10		B5		11:12	
(G)RAB OR (C)OMP.		GROUNDWATER		WASTEWATER	
# CONTAINERS		SOIL		OIL	
SLUDGE		OTHER :		ACID/BASE:	
ICE / COOL		OTHER :			
DATE		TIME		T7 H. 418.1	
BTEX					
Fees and Costs: Initial cost of all accounts from 100 days past due at the rate of 2% per month from the original date of invoice and all costs of collection, including attorney's fees.					
REMARKS:					
Phone Result: U Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Fax Result: U Yes <input type="checkbox"/> No <input type="checkbox"/>					
RECEIVED BY: (Lab Staff)					
Date: 6/27/2002					
Time: 2:05 P					
Delivered By: (Circle One)					
Sample - UPS - Bus - Other:					



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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

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

LAB NUMBER	SAMPLE ID	ALUMINUM Al (ppm)	COBALT Co (ppm)	COPPER Cu (ppm)	IRON Fe (ppm)
------------	-----------	-------------------------	-----------------------	-----------------------	---------------------

ANALYSIS DATE:	03/20/02	03/20/02	03/20/02	03/20/02
H6597-1 TZMANN.B631502	4746	<1	1.25	6030

Quality Control	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 Percent Difference	2.4	0.2	0.3	0.1
METHODS: EPA 600/04-79-020	202.1	219.1	220.1	236.1

MAGNESIUM Mn (ppm)	MOLYBDENUM Mo (ppm)	NICKEL Ni (ppm)	ZINC Zn (ppm)
--------------------------	---------------------------	-----------------------	---------------------

ANALYSIS DATE:	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 Percent Difference	0.1	2.2	0.7	0.1
METHODS: EPA 600/04-79-020	243.1	246.1	249.1	289.1

Chemist

Date

USE H6597-023 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.



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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: 03/20/02
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: AH

RCRA METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
		ARSENIC	SILVER	BARIUM	CADMIUM	CHROMIUM	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.B631502	<1	<1	<5	<0.5	<1	<1	<0.2	<1
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 600/4-79-020		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

Amy Hill
Chemist

3-20-02
Date

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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

LAB NUMBER	SAMPLE ID	Na (mg/Kg) <i>Sodium</i>	Ca (mg/Kg) <i>Calcium</i>	Mg (mg/Kg) <i>Magnesium</i>	K (mg/Kg) <i>Potassium</i>	Conductivity (mS/cm)	T-Alkalinity (mgCaCO ₃ /Kg)
ANALYSIS DATE:			03/18/02	03/18/02	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	50	5.00	1413	NR
% Recovery		NR	110	97.2	105	105	NR
Relative Percent Difference		NR	0	6.0	0	0.3	NR

METHODS: SM3500-Ca-D 3500-Mg E. 8049 120.1 310.1

	Cl ⁻ (mg/Kg) Chlorine	SO ₄ (mg/Kg) Sulphate	CO ₃ (mg/Kg) Nitrate	HCO ₃ (mg/Kg) BICarbonate	pH (s.u.) Neutral	
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
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-Cl-B 375.4 310.1 310.1 150.1

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

Amy Hill
Chemist

3-19-02
Date

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H6597



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QRTL

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: CELL QRTL

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

Sampling Date: 03/15/02

Sample Type: SOIL

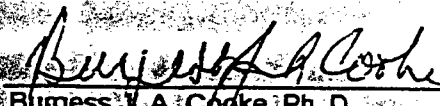
Sample Condition: COOL & INTACT

Sample Received By: HM

Analyzed By: BC

LAB NUMBER	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
✓H6596-1	QRT B-1 31502	94.0	<0.005	<0.005	<0.005	<0.015
✓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
✓H6596-10	QRT A-2 31502	67.5	<0.005	<0.005	<0.005	<0.015
✓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 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

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H6596.XLS

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page of [illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name: S.M.S.W.F.

Project Manager: KENN KAY COOPER

Address: P.O. Box 478

City: Hobbs

Phone #: 393-3174

Fax #: 393-8943

Project #: Cell Quality Project Owner:

Project Name:

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

FOR LAB USE ONLY

LAB I.D.

Sample I.D.

LAB I.D.

LAB I.D.

LAB I.D.

LAB I.D.

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Company:

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State:

Phone #:

Fax #:

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Phone #:

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Company:

Address:

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ANALYSIS REQUEST

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O/D

RECEIVED

SEP 22 2005

**OIL CONSERVATION
DIVISION**

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: SOIL SAMPLE CELL
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 NUMBER	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
H6598-1	SMSWF C-2 SOIL	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
Burgess J. A. Cooke, Ph. D.

3/19/02
Date

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H6598.XLS



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Quarterly - Do Not Use

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SEP 29 2005

OIL CONTAMINATION
LABORATORY

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

LAB NO.	SAMPLE ID	TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (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 Control		234	0.106	0.106	0.112	0.328
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		97.6	106	106	112	109
Relative Percent 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


Burgess J.A. Cooke, Ph. D.


Date

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H6349.XLS



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Page _____ of _____

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: S.M.S. W.F.		HILL TO		PO #:		ANALYSIS REQUEST																																			
Project Manager: KENA Kay Cooper		Company:																																							
Address:		Attn:																																							
City:		State:		Zip:																																					
Phone #: 393-3174		Address:																																							
Fax #: 393-8943		City:																																							
Project #:		State:		Zip:																																					
Project Name: Cell Quarterly		Phone #:																																							
Project Location: S.M.S.W.F.		Fax #:																																							
FOR LAB USE ONLY																																									
LAB I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID:		ICE / COOL		OTHER :		DATE		TIME		418.1 TPH + BTEX											
M343-1		C-1-QTR 121401		G G		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓													
-2		C-2-QTR 121401		G G		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓													
-3		C-3-QTR 121401		G G		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓													
-4		B-1-QTR 121401		G G		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓													
-5		B-3-QTR 121401		G G		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓													
-6		B-4-QTR 121401		G G		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓													
-7		B-5-QTR 121401		G G		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓													
-8		A-5-OTR 121401		G G		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓													



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OIL CONSERVATION
DIVISION

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: SOIL SAMPLES

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

Sampling Date: 12/14/01

Sample Type: SOIL

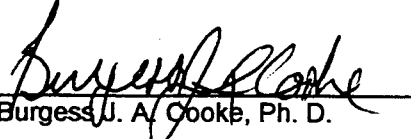
Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

LAB NO.	SAMPLE ID	TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (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 EAST 121401	2400	<0.005	<0.005	<0.005	<0.015
H6348-3	C-2 WEST 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 Control		234	0.106	0.106	0.112	0.328
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		97.6	106	106	112	109
Relative Percent 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


Burgess J. A. Cooke, Ph. D.

12-15-01
Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

Company Name: S.M.S.W.F.

Project Manager: KENA Kay Cooper

Address:

City: State: Zip:

Phone #: 393-3174

Fax #: 393-8943

Project #: Project Owner:

Project Name: Soil Sample

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

FOR LAB USE ONLY

LAB I.D. Sample I.D.

(G)RAB OR (C)OMP.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER :
ACID:
ICE / COOL
OTHER :

DATE TIME

418.1 BTEX

ANALYSIS REQUEST

LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID:	ICE / COOL	OTHER :	DATE	TIME	ANALYSIS REQUEST
M6318-1	C-1 E:W 12/401	C	G										12-14-01		
-2	C-2 East 12/401	G	G										12-14-01		
-3	C-2 West 12/401	G	G										12-14-01		
-4	C-3 12/401	G	G										12-14-01		
-5	A-5 12/401	G	G										12-14-01		

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Terms and Conditions: Invoicing will be charged on all accounts more than 30 days past due at the rate of 2% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished:

Date: 12-14-01

Received By:

Phone Result: ☐ Yes ☐ No Additional Fax #: ☐ Yes ☐ No

Relinquished By: Roy R. Larson

Date: 12-14-01

Received By: (Lab Staff)

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition: ☒ Cool ☐ Intact ☐ Other

CHECKED BY: (Initials)

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



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SEP 28 2005
OIL CONSERVATION
DIVISIONANALYTICAL 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

Reporting Date: 09/06/01

Project Number: NOT GIVEN

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

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

Sampling Date: 09/04/01

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:		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 Control		240	0.093	0.090	0.095	0.282
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		100	92.6	90.4	94.9	94.0
Relative Percent 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

Chemist

Date

H6132.XLS

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Page of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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QTR.

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**CARDINAL
LABORATORIES**

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CIL CONSERVATION
DIVISIONANALYTICAL 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: 08/23/01
 Reporting Date: 08/27/01
 Project Number: NOT GIVEN
 Project Name: NOT GIVEN
 Project Location: S.M.S.W.F.

Sampling Date: 08/23/01
 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)
Quastley						
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 Control		238	0.109	0.099	0.105	0.307
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		99.3	109	98.6	105	102
Relative Percent Difference		1.4	6.1	6.1	5.1	4.3

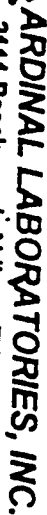
METHODS: TRPHC - EPA 600/4-79-020, 418.1; BTEX - EPA SW-846 8260

Buffy C. Cooper
 Chemist

8/27/01
 Date

H6106.XLS

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Page _____ of _____

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: S.M.S.W.F						BILL TO						ANALYSIS REQUEST											
Project Manager: KEN KA' COOPER						P.O. #:																	
Address: P.O. Box 478						Company:																	
City: Hobbs						Attn:																	
Phone #: 393-3174						Address:																	
Fax #: 393-8943						City:																	
Project #:						State:						Zip:											
Project Location: S.M.S.W.F.						Phone #:																	
Sampler Name: Roy R. Passon						Fax #:																	
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	* CONTAINERS	MATRIX				PRESERV	SAMPLING												
						GROUNDWATER	WASTEWATER	SOL	CRUDE OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME							
H0001	-2	C011 B-1		G	G			V							8-23-01		TPH 418.1						
	-3	C011 B-3		G	G			V							8-23-01		BTEX						
	-4	C011 B-4		G	G			V							8-23-01								
	-5	C011 B-1		G	G			V							8-23-01								
	-6	C011 C-3		G	G			V							8-23-01								
	-7	C011 C-3E		G	G			V							8-23-01								
<small>PLEASE NOTE: Liability and Damages. Cardholder's liability and subject's availability remain for any claims arising whether based in contract or tort, shall be limited to the amount paid by the client for the service. All claims involving third parties shall be resolved through arbitration and any other means whatsoever that the insured wishes to pursue. In no event shall Cardholder be liable for incidental or consequential damages, including without limitation, business interruption, 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 furnished by Cardholder. The undersigned hereby agrees to release Cardholder from all such claims, demands, damages, losses, costs, expenses, attorney's fees, and all costs of collection, including attorney's fees.</small>																							
Relinquished By: Roy R. Passon				Date: 8-23-01	Received By: (Lab Staff)																		
Time: 1400				Time: _____																			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Sample Condition <input checked="" type="checkbox"/> Good <input type="checkbox"/> Intact <input type="checkbox"/> Dyes <input type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials)															
Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.				REMARKS: Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____																			



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OIL CONSERVATION
DIVISION

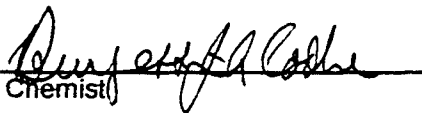
ANALYTICAL RESULTS FOR
SMSWF
ATTN: KENA KAY COOPER
P.O. BOX 418
HOBBS, NM 88240-0418
FAX TO: (505) 393-8943

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

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 Control		241	1031	0.094	0.094	0.095
True Value QC		240	1000	0.100	0.100	0.100
% Recovery		100	103	94.0	94.4	95.1
Relative Percent 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


Chemist

2/21/01
Date

H5633.XLS
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Page of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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,

A handwritten signature in cursive script, appearing to read "Kena Kay Cooper".

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 • DIRT SALES

P.O. BOX 418 HOBBS, NM 88241-0418

(505) 393-3174 WORK (505) 390-3088 CELL

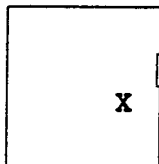
SOUTH MONUMENT SURFACE WASTE FACILITY TABLE #1 - 6 MONTH SOIL SAMPLE ANALYSIS

GENERATOR INFORMATION:

SOILS PLACED IN CELL B-1

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

SAMPLING DOCUMENTATION:



LANDFARM CELL B-1
SAMPLE DATE: 2/20/01

TYPE: RANDOM GRAB

ANALYSIS: TPH & BTEX

CELL B-1

RESULTS:

LAB SAMPLE ID: CELL B-122001				ANALYSIS DATE: 2/02/01
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



ARDINAL LABORATORIES

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PHONE (505) 393-2325 • 101 E. MARLAND • HOBBS, NM 88240

SEP 2 2 2005

OIL CONSERVATION
DIVISION

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

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (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
Quality Control		NR	42	45	5.05	1443	NR
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:		SM3500-Ca-D 3500-Mg E			8049	120.1	310.1

	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (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
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-Cl-B	375.4	310.1	310.1	150.1

David Walton
Chemist

09/05/2000
Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

Company Name: Waller Construction

Project Manager:

David Walter

Address: P.O. Box 178

City: Hobbs

State: NM Zip: 88241-0178

Phone #: 353-3171

Fax #: 393-8943

Project #:

Project Owner: Kenslepper

Project Name: SMSWF Landfarm

Project Location: Landfarm

Sampler Name: David Walter

FOR LAB USE ONLY

Lab I.D. Sample I.D.

15120-1

(G)RAB OR (C)OMP. 1
CONTAINERS
GROUNDWATER
WASTEWATER
X SOIL
CRUDE OIL
SLUDGE
OTHER:
ACID/BASE:
ICE / COOL
OTHER:

DATE 8/23/00 TIME

418.1
BTEX

RECEIVED NOTE: Liability and Damages. Cardinal Laboratories, Inc. and its subsidiaries hereby warrant that the analysis results reported herein are accurate and reliable. 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 analytical services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Date: _____ Time: _____

Received By: _____

Relinquished By:

John Kenslepper

Date: 8/23/00 Time: 11:00am

Received By: (Lab Staff) MMH H-10

Delivered By: (Circle One)

Sample Condition
Cool ☒ Yes ☐ No
Inject ☒ Yes ☐ No

CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #: _____
Fax Result: ☐ Yes ☐ No Add'l Fax #: _____
REMARKS:

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



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

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
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 SAMPLE ID H5120-1			
METHODS: TPH & BTEX: TRPHC - EPA 600/4-79-020, 418.1 BTEX - EPA SW-846 8260			
TPH mg/kg			
<10 TPH			
BTEX mg/kg			
<0.005 BENZENE <0.005 TOLUENE <0.005 ETHYL BENZENE <0.015 TOTAL XYLENE			
METHOD: RCRA TOTAL METALS - EPA SW-846 7000 SERIES			
RCRA METALS ppm			
1.18 ARSENIC 24.75 SILVER <1 BARIUM <1 CADMIUM 40.45 CHROMIUM 49.65 LEAD 0.040 MERCURY <1 SELENIUM			
METHODS: SM3500-Ca-D, 3500-Mg E, 8049, 120.1, 310.1 Sm4500-Cl-B, 375.4, 310.1, 150.1			
GENERAL CHEMISTRY mg/L			
43	SODIUM	79	CHLORIDES
33	CALCIUM	44	SULFATE
28	MAGNESIUM	0	CARBONATE
24	POTASSIUM	200	BICARBONATE
168	CONDUCTIVITY	6.20	pH
164	T-ALKALINITY		



ARDINAL LABORATORIES

PHONE (915) 573-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2325 • 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
------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

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

Date

H512CM.XLS

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PHONE (505) 393-2328 • 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.	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
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

Berry J. P. C. C. C.
Chemist

8/24/00
Date

H5120.XLS

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.

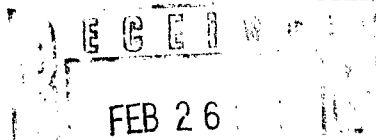


SOUTH MONUMENT SURFACE WASTE FACILITY, L.L.C.

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

mk



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

NM PERMIT #NM-01-0032 * LANDFARM * DIRT SALES

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(505) 393-3174 WORK (505) 390-3088 CELL

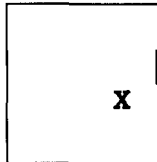
SOUTH MONUMENT SURFACE WASTE FACILITY TABLE #1 - 6 MONTH SOIL SAMPLE ANALYSIS

GENERATOR INFORMATION:

SOILS PLACED IN CELL B-1

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

SAMPLING DOCUMENTATION:



LANDFARM CELL B-1

SAMPLE DATE: 2/20/01

TYPE: RANDOM GRAB

ANALYSIS: TPH & BTEX

CELL B-1

RESULTS:

LAB SAMPLE ID: CELL B-122001				ANALYSIS DATE: 2/02/01
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 (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

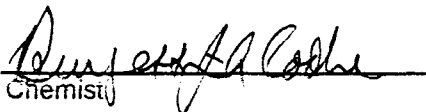
Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

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 Control		241	1031	0.094	0.094	0.095
True Value QC		240	1000	0.100	0.100	0.100
% Recovery		100	103	94.0	94.4	95.1
Relative Percent 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


Chemist

2/21/01
Date

H5633.XLS
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(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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+ Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

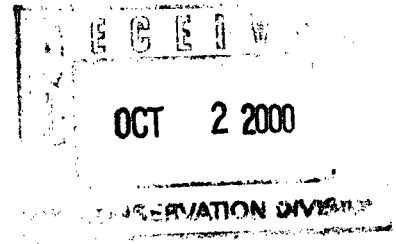


SOUTH MONUMENT SURFACE WASTE FACILITY, L.L.C.

NM PERMIT #NM-01-0032 * LANDFARM * DIRT SALES

P.O. BOX 418 HOBBS, NM 88241-0418

(505) 393-3174 WORK (505) 390-3088 CELL



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

Kena Kay Cooper
Operator

CC: OCD-District 1
P.O. Box 1908
Hobbs, NM 88241-1908
ATTN: Donna Williams

mjk

**SOUTH MONUMENT SURFACE WASTE FACILITY
TABLE NO. 1 BACKGROUND SAMPLE**

Summary of Analytical Results from Native Soil Sampling

LAB SAMPLE ID H5120-1			
METHODS: TPH & BTEX: TRPHC - EPA 600/4-79-020, 418.1 BTEX - EPA SW-846 8260			
TPH mg/kg			
<10 TPH			
BTEX mg/kg			
<0.005 BENZENE <0.005 TOLUENE <0.005 ETHYL BENZENE <0.015 TOTAL XYLENE			
METHOD: RCRA TOTAL METALS - EPA SW-846 7000 SERIES			
RCRA METALS ppm			
1.18	ARSENIC		
24.75	SILVER	<i>1.23</i>	
<1	BARIUM		
<1	CADMIUM		
40.45	CHROMIUM	<i>2.02</i>	
49.65	LEAD	<i>7.48</i>	
0.040	MERCURY		
<1	SELENIUM		
METHODS: SM3500-Ca-D, 3500-Mg E, 8049, 120.1, 310.1 Sm4500-Cl-B, 375.4, 310.1, 150.1			
GENERAL CHEMISTRY mg/L			
43	SODIUM	79	CHLORIDES
33	CALCIUM	44	SULFATE
28	MAGNESIUM	0	CARBONATE
24	POTASSIUM	200	BICARBONATE
168	CONDUCTIVITY	6.20	pH
164	T-ALKALINITY		



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PHONE (505) 393-2323 • 101 E. MARLAND • HOBBS, NM 88240

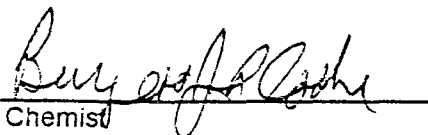
ANALYTICAL RESULTS FOR
WALTON CONSTRUCTION
ATTN: DAVID WALTON
P.O. BOX 478
HOBBS, NM 88241
FAX TO: (505) 393-8943

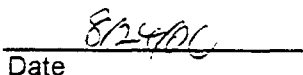
Receiving Date: 08/23/00
Reporting Date: 08/24/00
Project Owner: KENA COOPER
Project Name: SMSWF LANDFARM
Project Location: LANDFARM

Sampling Date: 08/23/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NO.	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
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

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ARDINAL LABORATORIES

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

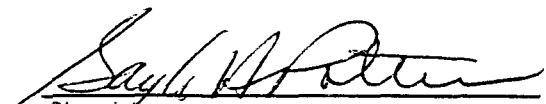
ANALYTICAL RESULTS FOR
WALTON CONSTRUCTION, INC.
ATTN: DAVID WALTON
P.O. BOX 478
HOBBS, NM 88241
FAX TO: (505) 393-8943

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
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

09/01/2000
Date

H5120M.XLS

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.



ARDINAL LABORATORIES

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: 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

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (μ S/cm)	T-Alkalinity (mgCaCO ₃ /L)
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ANALYSIS DATE:	08/28/00	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
Quality Control		NR	42	45	5.05	1443	NR
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:	SM3500-Ca-D 3500-Mg E	8049	120.1	310.1
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Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)
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ANALYSIS DATE:	08/28/00	08/28/00	08/28/00	08/28/00	08/28/00
H5120-1	-	79	44	0	200
Quality Control		962	51.51	NR	1088
True Value QC		1000	50.00	NR	1000
% Recovery		96.2	103	NR	109
Relative Percent Difference		1.2	1.5	NR	8.1

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1
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Chemist

09/05/2000
Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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