

GW - 52

WORK PLANS

1995

ENRON
OPERATIONS CORP.

P. O. Box 1188 Houston, Texas 77251-1188 (713) 853-6161

September 25, 1995

Mr. Bill Olson
Environmental Bureau
New Mexico Oil Conservation Division
2040 S. Pacheco St.
Santa Fe, New Mexico 87505

RECEIVED
SEP 26 1995
Environmental Bureau
Oil Conservation Division

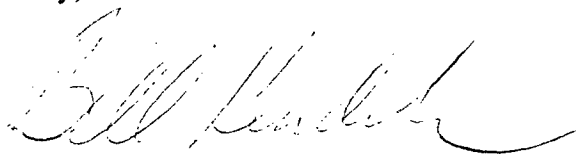
RE: Roswell Compressor Station
Transwestern Pipeline Company

Dear Bill,

Enclosed for your review is a copy of the laboratory results for soil and ground water samples collected during implementation of the Phase I Soil and Ground Water Assessment Plan at the Roswell Station. Transwestern's consultant, Daniel B. Stephens & Associates, is preparing a summary report of assessment activities which will also include a summary table of the laboratory results. The summary report will be delivered to your office for review by October 27, 1995.

If you have any questions or comments regarding the enclosed reports, please contact me at (713) 646-7644 or George Robinson at (713) 646-7327.

Sincerely,



Bill Kendrick
EOC Environmental Affairs
Manager, Projects Group

gcr/BK

xc: Larry Campbell
George Robinson

TW Operations Technical Support
Cypress Engineering Services

Roswell, NM
3AC3142



CORE LABORATORIES

CORE LABORATORIES
ANALYTICAL REPORT

Job Number: 954165

Prepared For:

Daniel B. Stevens & Associates

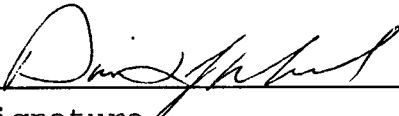
Jeff Forbes

6020 Academy NE

Suite 100

Albuquerque, NM 87109

Date: 09/20/95


Signature

Name: David J. Marshall

Title: Project Coordinator

9-20-95
Date

CORE LABORATORIES, INC.
Analytical Chemistry Division
10703 East Bethany Drive
Aurora, CO 80014



CORE LABORATORIES, INC.

No. 32700

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION			PROJECT INFORMATION				NUMBER OF CONTAINERS	ANALYSIS / METHOD REQUEST	LAB JOB NO. 954165	REMARKS / PRECAUTIONS
COMPANY:	Daniel B. Stephens + Assoc		PROJECT NAME/NUMBER:	ENRON ROSWELL / 4115.3						
SEND REPORT TO:	Attn. Jeff Forbes		BILLING INFORMATION							
ADDRESS:	6020 Academy NE Suite 100 Albuquerque, NM 87109		BILL TO:	SAME						
PHONE:	505 822 9400		ADDRESS:	SAME						
FAX:	505 822 8877		PO NO.:	4115.3						
SAMPLE NO.	SAMPLE ID/DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERV.				
JK MW-7, 5'-10'	MW-7, 5'-10'	8-15-95	0920	SOIL	250ml/gal	NONE	1	X	X	
	MW-7, 40'-42'	"	1025	SOIL	"	"	1	X	X	
	MW-7, 60'-62'	"	1205	SOIL	"	"	1	X	X	
	MW-8, 10'	8-16-95	0715	SOIL	"	"	1	X	X	
	MW-8, 65'	"	1100	SOIL	"	"	1	X	X	
	MW-9, 10'	"	1640	SOIL	"	"	1	X	X	
	MW-9, 40'-42'	"	1745	SOIL	"	"	1	X	X	
	PIT 2, SW BORING	8-18-95	0825	SOIL	1.5" x 6" Brass ring	"	2	X	X	X
	PIT 2, NE BORING	8-17-95	1635	SOIL	"	"	2	X	X	X
	PIT 2, SE BORING	8-18-95	1000	SOIL	"	"	2	X	X	X
SAMPLER: B. Marley, J. Kirby		SHIPMENT METHOD: Fed Ex		AIRBILL NO.: 6725486563						
REQUIRED TURNAROUND: ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE ☐ OTHER										
1. RELINQUISHED BY:		DATE	2. RELINQUISHED BY:		DATE	3. RELINQUISHED BY:		DATE		
SIGNATURE:			SIGNATURE:			SIGNATURE:				
PRINTED NAME/COMPANY:		TIME	PRINTED NAME/COMPANY:		TIME	PRINTED NAME/COMPANY:		TIME		
1. RECEIVED BY:		DATE	2. RECEIVED BY:		DATE	3. RECEIVED BY:		DATE		
SIGNATURE: <i>Amey</i>		8/22/95	SIGNATURE:			SIGNATURE:				
PRINTED NAME/COMPANY: CORE		TIME 1015	PRINTED NAME/COMPANY:		TIME	PRINTED NAME/COMPANY:		TIME		

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

☐ Anaheim, California
1250 E. Gene Autry Way
Anaheim, California 92805
(714) 937-1094
(800) 404-2673

☐ Long Beach, California
3700 Cherry Avenue
Long Beach, California 90807
(310) 595-8401
(800) 814-3433

☒ Denver (Aurora), Colorado
10703 E. Bethany Drive
Aurora, Colorado 80014
(303) 751-1780
(800) 972-2673

☐ Casper, Wyoming
420 West 1st Street
Casper, Wyoming 82601
(307) 235-5741
(800) 666-0306

☐ Houston, Texas
8210 Mosley Road
Houston, Texas 77075
(713) 943-9776
(800) 734-2673

☐ Corpus Christi, Texas
1733 North Padre Island Drive
Corpus Christi, Texas 78408
(512) 289-2673
(800) 548-8228

☐ Lake Charles, Louisiana
3645 Beglis Parkway
Sulphur, Louisiana 70663
(318) 583-4926
(800) 259-4926

ORIGINAL



CORE LABORATORIES, INC.

No. 27101

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION			PROJECT INFORMATION				NUMBER OF CONTAINERS	ANALYSIS / METHOD REQUEST	LAB JOB NO.
COMPANY: Daniel B. Stephens + Assoc			PROJECT NAME/NUMBER: ENRON ROSWELL - 4115.3						
SEND REPORT TO: Attn. Jeff Forbes			BILLING INFORMATION						
ADDRESS: 6020 Academy NE, Ste 100 Albuquerque, NM 87109			BILL TO: SAME ADDRESS: SAME						
PHONE: 505 822 9400			PHONE:				VOCs Total Metals SVOCs PCBs Total Cyanide Total Sulfide TPH	8240 JN? 8-22-95 8010/8080 6010/7000 8270 8080 9010 9030 418.1	95A165
FAX: 505 822 8877			FAX: PO NO.: 4115.3						
SAMPLE NO.	SAMPLE ID/DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERV.	REMARKS / PRECAUTIONS		
	PIT 1, NW BORING	8-18-95	1136	SOIL	1.5" X 6" Brass Ring	NONE	2	X X X X X X X X	

SAMPLER: J. Kirby	SHIPMENT METHOD: Fed Ex	AIRBILL NO.: 6725 486563
REQUIRED TURNAROUND: ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE OTHER		
1. RELINQUISHED BY: Jack F. Kirby SIGNATURE: [Signature] DATE: 8-21-95		2. RELINQUISHED BY: [Signature] DATE: []
PRINTED NAME/COMPANY: DANIEL B. STEPHENS + Assoc TIME: 1611		PRINTED NAME/COMPANY: [] TIME: []
1. RECEIVED BY: Amy [Signature] SIGNATURE: [Signature] DATE: 8/22/95		2. RECEIVED BY: [Signature] DATE: []
PRINTED NAME/COMPANY: Amy [Signature] CORZ TIME: 1015		PRINTED NAME/COMPANY: [] TIME: []

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

☐ Anaheim, California
1250 E. Gene Autry Way
Anaheim, California 92805
(714) 937-1094
(800) 404-2673

☐ Long Beach, California
3700 Cherry Avenue
Long Beach, California 90807
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420 West 1st Street
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☐ Houston, Texas
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(713) 943-9776
(800) 734-2673

☐ Corpus Christi, Texas
1733 North Padre Island Drive
Corpus Christi, Texas 78408
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(800) 548-8228

☐ Lake Charles, Louisiana
3645 Beglis Parkway
Sulphur, Louisiana 70663
(318) 583-4926
(800) 259-4926

ORIGINAL



CORE LABORATORIES

SAMPLE DELIVERY GROUP NARRATIVE

September 20, 1995

Customer: Daniel B. Stevens
Project: Enron Roswell/4115.3
Core Laboratories Project Number: 954165

Method 8270 GC/MS Analysis:

Some of the internal standards associated with sample 954165-8 (Pit 2, SW Boring) and 954165-9 (Pit 2, NE Boring) were greater than 200% of the daily continuing calibration verification standard. A reanalysis of the samples confirmed the initial results. This is typical of matrix interference.

A handwritten signature in cursive script, reading "Linda L. Benkers".

Linda L. Benkers
QA/QC Coordinator

A handwritten signature in cursive script, reading "James H. Travis".

James H. Travis
Laboratory Manager



CORE LABORATORIES

J O B S A M P L E I N F O R M A T I O N

Report Date: 09/20/95

Job Number.....: 954165

Customer: Daniel B. Stevens & Associates

Job Receive Date....: 08/22/95

Project Number.....: 95000185

Customer Project ID....: ENRON ROSWELL/4115.3

Project Description....: Roswell, NM Soils and Waters

Laboratory Sample ID.	Customer Sample ID.	Sample Matrix	Sample Date	Sample Time	Received Date	Received Time
954165-1	MW-7, 5'-10'	Soil	08/15/95	09:20	08/22/95	10:15
954165-2	MW-7, 40'-42'	Soil	08/15/95	10:25	08/22/95	10:15
954165-3	MW-7, 60'-62'	Soil	08/15/95	12:05	08/22/95	10:15
954165-4	MW-8, 10'	Soil	08/16/95	07:15	08/22/95	10:15
954165-5	MW-8, 65'	Soil	08/16/95	11:00	08/22/95	10:15
954165-6	MW-9, 10'	Soil	08/16/95	16:40	08/22/95	10:15
954165-7	MW-9, 40'-42'	Soil	08/16/95	17:45	08/22/95	10:15
954165-8	PIT 2, SW BORING	Soil	08/18/95	08:25	08/22/95	10:15
954165-9	PIT 2, NE BORING	Soil	08/17/95	16:35	08/22/95	10:15
954165-10	PIT 1, SE BORING	Soil	08/18/95	10:00	08/22/95	10:15
954165-11	PIT 1, NW BORING	Soil	08/18/95	11:36	08/22/95	10:15



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 5'-10'
 Sample Date.....: 08/15/95
 Sample Time.....: 09:20
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-1
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/31/95 1000	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/01/95 1105	lmt
Arsenic (As)	Solid	<5	5	mg/Kg	SW-846 6010	08/31/95 2008	gag
Barium (Ba)	Solid	319	1	mg/Kg	SW-846 6010	08/31/95 2008	gag
Chromium (Cr)	Solid	7	1	mg/Kg	SW-846 6010	08/31/95 2008	gag
Lead (Pb)	Solid	<5	5	mg/Kg	SW-846 6010	08/31/95 2008	gag
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		08/28/95 1205	
Acrolein	Solid	ND	50	ug/Kg		08/28/95 1205	
Acrylonitrile	Solid	ND	20	ug/Kg		08/28/95 1205	
Acetone	Solid	ND	100	ug/Kg		08/28/95 1205	
Allyl chloride	Solid	ND	20	ug/Kg		08/28/95 1205	
Benzene	Solid	ND	5	ug/Kg		08/28/95 1205	
Benzyl chloride	Solid	ND	5	ug/Kg		08/28/95 1205	
Bromobenzene	Solid	ND	5	ug/Kg		08/28/95 1205	
Bromochloromethane	Solid	ND	5	ug/Kg		08/28/95 1205	
Bromodichloromethane	Solid	ND	5	ug/Kg		08/28/95 1205	
Bromoform	Solid	ND	5	ug/Kg		08/28/95 1205	
Bromomethane	Solid	ND	10	ug/Kg		08/28/95 1205	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		08/28/95 1205	
Carbon disulfide	Solid	ND	5	ug/Kg		08/28/95 1205	
Carbon tetrachloride	Solid	ND	5	ug/Kg		08/28/95 1205	
Chlorobenzene	Solid	ND	5	ug/Kg		08/28/95 1205	
Chloroethane	Solid	ND	10	ug/Kg		08/28/95 1205	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 5'-10'

Sample Date.....: 08/15/95

Sample Time.....: 09:20

Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-1

Date Received.....: 08/22/95

Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		08/28/95 1205	
Chloroform	Solid	ND	5	ug/Kg		08/28/95 1205	
Chloromethane	Solid	ND	5	ug/Kg		08/28/95 1205	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		08/28/95 1205	
Dibromochloromethane	Solid	ND	5	ug/Kg		08/28/95 1205	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		08/28/95 1205	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		08/28/95 1205	
Dibromomethane	Solid	ND	5	ug/Kg		08/28/95 1205	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		08/28/95 1205	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		08/28/95 1205	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		08/28/95 1205	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		08/28/95 1205	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		08/28/95 1205	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/28/95 1205	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/28/95 1205	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		08/28/95 1205	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/28/95 1205	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/28/95 1205	
Ethylbenzene	Solid	ND	5	ug/Kg		08/28/95 1205	
Ethyl methacrylate	Solid	ND	5	ug/Kg		08/28/95 1205	
2-Hexanone	Solid	ND	5	ug/Kg		08/28/95 1205	
Iodomethane	Solid	ND	5	ug/Kg		08/28/95 1205	
Isobutyl alcohol	Solid	ND	50	ug/Kg		08/28/95 1205	
Methylacrylonitrile	Solid	ND	50	ug/Kg		08/28/95 1205	
Methylene chloride	Solid	ND	5	ug/Kg		08/28/95 1205	
Methyl methacrylate	Solid	ND	5	ug/Kg		08/28/95 1205	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		08/28/95 1205	
Pentachloroethane	Solid	ND	5	ug/Kg		08/28/95 1205	
Propionitrile	Solid	ND	100	ug/Kg		08/28/95 1205	
Styrene	Solid	ND	5	ug/Kg		08/28/95 1205	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/28/95 1205	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 5'-10'

Laboratory Sample ID.: 954165-1

Sample Date.....: 08/15/95

Date Received.....: 08/22/95

Sample Time.....: 09:20

Time Received.....: 10:15

Sample Matrix.....: Soil

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/28/95 1205	
Tetrachloroethene	Solid	ND	5	ug/Kg		08/28/95 1205	
Toluene	Solid	ND	5	ug/Kg		08/28/95 1205	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		08/28/95 1205	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		08/28/95 1205	
Trichloroethene	Solid	ND	5	ug/Kg		08/28/95 1205	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		08/28/95 1205	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		08/28/95 1205	
Vinyl acetate	Solid	ND	50	ug/Kg		08/28/95 1205	
Vinyl chloride	Solid	ND	10	ug/Kg		08/28/95 1205	
Xylenes (total)	Solid	ND	5	ug/Kg		08/28/95 1205	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 40'-42'
 Sample Date.....: 08/15/95
 Sample Time.....: 10:25
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-2
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/31/95 1000	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/01/95 1109	lmt
Arsenic (As)	Solid	8	5	mg/Kg	SW-846 6010	08/31/95 2038	gag
Barium (Ba)	Solid	210	1	mg/Kg	SW-846 6010	08/31/95 2038	gag
Chromium (Cr)	Solid	16	1	mg/Kg	SW-846 6010	08/31/95 2038	gag
Lead (Pb)	Solid	18	5	mg/Kg	SW-846 6010	08/31/95 2038	gag
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		08/24/95 1748	
Acrolein	Solid	ND	50	ug/Kg		08/24/95 1748	
Acrylonitrile	Solid	ND	20	ug/Kg		08/24/95 1748	
Acetone	Solid	ND	100	ug/Kg		08/24/95 1748	
Allyl chloride	Solid	ND	20	ug/Kg		08/24/95 1748	
Benzene	Solid	ND	5	ug/Kg		08/24/95 1748	
Benzyl chloride	Solid	ND	5	ug/Kg		08/24/95 1748	
Bromobenzene	Solid	ND	5	ug/Kg		08/24/95 1748	
Bromochloromethane	Solid	ND	5	ug/Kg		08/24/95 1748	
Bromodichloromethane	Solid	ND	5	ug/Kg		08/24/95 1748	
Bromoform	Solid	ND	5	ug/Kg		08/24/95 1748	
Bromomethane	Solid	ND	10	ug/Kg		08/24/95 1748	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		08/24/95 1748	
Carbon disulfide	Solid	ND	5	ug/Kg		08/24/95 1748	
Carbon tetrachloride	Solid	ND	5	ug/Kg		08/24/95 1748	
Chlorobenzene	Solid	ND	5	ug/Kg		08/24/95 1748	
Chloroethane	Solid	ND	10	ug/Kg		08/24/95 1748	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 40'-42'

Sample Date.....: 08/15/95

Sample Time.....: 10:25

Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-2

Date Received.....: 08/22/95

Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		08/24/95 1748	
Chloroform	Solid	ND	5	ug/Kg		08/24/95 1748	
Chloromethane	Solid	ND	5	ug/Kg		08/24/95 1748	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		08/24/95 1748	
Dibromochloromethane	Solid	ND	5	ug/Kg		08/24/95 1748	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		08/24/95 1748	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		08/24/95 1748	
Dibromomethane	Solid	ND	5	ug/Kg		08/24/95 1748	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		08/24/95 1748	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		08/24/95 1748	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 1748	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 1748	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1748	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1748	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1748	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		08/24/95 1748	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 1748	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 1748	
Ethylbenzene	Solid	ND	5	ug/Kg		08/24/95 1748	
Ethyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 1748	
2-Hexanone	Solid	ND	5	ug/Kg		08/24/95 1748	
Iodomethane	Solid	ND	5	ug/Kg		08/24/95 1748	
Isobutyl alcohol	Solid	ND	50	ug/Kg		08/24/95 1748	
Methylacrylonitrile	Solid	ND	50	ug/Kg		08/24/95 1748	
Methylene chloride	Solid	ND	5	ug/Kg		08/24/95 1748	
Methyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 1748	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		08/24/95 1748	
Pentachloroethane	Solid	ND	5	ug/Kg		08/24/95 1748	
Propionitrile	Solid	ND	100	ug/Kg		08/24/95 1748	
Styrene	Solid	ND	5	ug/Kg		08/24/95 1748	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 1748	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 40'-42'
 Sample Date.....: 08/15/95
 Sample Time.....: 10:25
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-2
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 1748	
Tetrachloroethene	Solid	ND	5	ug/Kg		08/24/95 1748	
Toluene	Solid	ND	5	ug/Kg		08/24/95 1748	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 1748	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 1748	
Trichloroethene	Solid	ND	5	ug/Kg		08/24/95 1748	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		08/24/95 1748	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		08/24/95 1748	
Vinyl acetate	Solid	ND	50	ug/Kg		08/24/95 1748	
Vinyl chloride	Solid	ND	10	ug/Kg		08/24/95 1748	
Xylenes (total)	Solid	ND	5	ug/Kg		08/24/95 1748	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 60'-62'
 Sample Date.....: 08/15/95
 Sample Time.....: 12:05
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-3
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/31/95 1000	lmt
Mercury (Hg)	Solid	0.42	0.10	mg/Kg	SW-846 7471	09/01/95 1113	lmt
Arsenic (As)	Solid	5	5	mg/Kg	SW-846 6010	08/31/95 2121	gag
Barium (Ba)	Solid	165	1	mg/Kg	SW-846 6010	08/31/95 2121	gag
Chromium (Cr)	Solid	14	1	mg/Kg	SW-846 6010	08/31/95 2121	gag
Lead (Pb)	Solid	8	5	mg/Kg	SW-846 6010	08/31/95 2121	gag
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		08/24/95 1820	
Acrolein	Solid	ND	50	ug/Kg		08/24/95 1820	
Acrylonitrile	Solid	ND	20	ug/Kg		08/24/95 1820	
Acetone	Solid	ND	100	ug/Kg		08/24/95 1820	
Allyl chloride	Solid	ND	20	ug/Kg		08/24/95 1820	
Benzene	Solid	ND	5	ug/Kg		08/24/95 1820	
Benzyl chloride	Solid	ND	5	ug/Kg		08/24/95 1820	
Bromobenzene	Solid	ND	5	ug/Kg		08/24/95 1820	
Bromochloromethane	Solid	ND	5	ug/Kg		08/24/95 1820	
Bromodichloromethane	Solid	ND	5	ug/Kg		08/24/95 1820	
Bromoform	Solid	ND	5	ug/Kg		08/24/95 1820	
Bromomethane	Solid	ND	10	ug/Kg		08/24/95 1820	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		08/24/95 1820	
Carbon disulfide	Solid	ND	5	ug/Kg		08/24/95 1820	
Carbon tetrachloride	Solid	ND	5	ug/Kg		08/24/95 1820	
Chlorobenzene	Solid	ND	5	ug/Kg		08/24/95 1820	
Chloroethane	Solid	ND	10	ug/Kg		08/24/95 1820	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 60'-62'

Sample Date.....: 08/15/95

Sample Time.....: 12:05

Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-3

Date Received.....: 08/22/95

Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		08/24/95 1820	
Chloroform	Solid	ND	5	ug/Kg		08/24/95 1820	
Chloromethane	Solid	ND	5	ug/Kg		08/24/95 1820	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		08/24/95 1820	
Dibromochloromethane	Solid	ND	5	ug/Kg		08/24/95 1820	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		08/24/95 1820	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		08/24/95 1820	
Dibromomethane	Solid	ND	5	ug/Kg		08/24/95 1820	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		08/24/95 1820	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		08/24/95 1820	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 1820	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 1820	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1820	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1820	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1820	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		08/24/95 1820	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 1820	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 1820	
Ethylbenzene	Solid	ND	5	ug/Kg		08/24/95 1820	
Ethyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 1820	
2-Hexanone	Solid	ND	5	ug/Kg		08/24/95 1820	
Iodomethane	Solid	ND	5	ug/Kg		08/24/95 1820	
Isobutyl alcohol	Solid	ND	50	ug/Kg		08/24/95 1820	
Methylacrylonitrile	Solid	ND	50	ug/Kg		08/24/95 1820	
Methylene chloride	Solid	ND	5	ug/Kg		08/24/95 1820	
Methyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 1820	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		08/24/95 1820	
Pentachloroethane	Solid	ND	5	ug/Kg		08/24/95 1820	
Propionitrile	Solid	ND	100	ug/Kg		08/24/95 1820	
Styrene	Solid	ND	5	ug/Kg		08/24/95 1820	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 1820	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 60'-62'
 Sample Date.....: 08/15/95
 Sample Time.....: 12:05
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-3
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 1820	
Tetrachloroethene	Solid	ND	5	ug/Kg		08/24/95 1820	
Toluene	Solid	ND	5	ug/Kg		08/24/95 1820	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 1820	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 1820	
Trichloroethene	Solid	ND	5	ug/Kg		08/24/95 1820	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		08/24/95 1820	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		08/24/95 1820	
Vinyl acetate	Solid	ND	50	ug/Kg		08/24/95 1820	
Vinyl chloride	Solid	ND	10	ug/Kg		08/24/95 1820	
Xylenes (total)	Solid	ND	5	ug/Kg		08/24/95 1820	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-8, 10'
 Sample Date.....: 08/16/95
 Sample Time.....: 07:15
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-4
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/31/95 1000	lmt
Mercury (Hg)	Solid	0.12	0.10	mg/Kg	SW-846 7471	09/01/95 1119	lmt
Arsenic (As)	Solid	<5	5	mg/Kg	SW-846 6010	08/31/95 2126	gag
Barium (Ba)	Solid	95	1	mg/Kg	SW-846 6010	08/31/95 2126	gag
Chromium (Cr)	Solid	8	1	mg/Kg	SW-846 6010	08/31/95 2126	gag
Lead (Pb)	Solid	<5	5	mg/Kg	SW-846 6010	08/31/95 2126	gag
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		08/24/95 1853	
Acrolein	Solid	ND	50	ug/Kg		08/24/95 1853	
Acrylonitrile	Solid	ND	20	ug/Kg		08/24/95 1853	
Acetone	Solid	ND	100	ug/Kg		08/24/95 1853	
Allyl chloride	Solid	ND	20	ug/Kg		08/24/95 1853	
Benzene	Solid	ND	5	ug/Kg		08/24/95 1853	
Benzyl chloride	Solid	ND	5	ug/Kg		08/24/95 1853	
Bromobenzene	Solid	ND	5	ug/Kg		08/24/95 1853	
Bromochloromethane	Solid	ND	5	ug/Kg		08/24/95 1853	
Bromodichloromethane	Solid	ND	5	ug/Kg		08/24/95 1853	
Bromoform	Solid	ND	5	ug/Kg		08/24/95 1853	
Bromomethane	Solid	ND	10	ug/Kg		08/24/95 1853	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		08/24/95 1853	
Carbon disulfide	Solid	ND	5	ug/Kg		08/24/95 1853	
Carbon tetrachloride	Solid	ND	5	ug/Kg		08/24/95 1853	
Chlorobenzene	Solid	ND	5	ug/Kg		08/24/95 1853	
Chloroethane	Solid	ND	10	ug/Kg		08/24/95 1853	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-8, 10'
 Sample Date.....: 08/16/95
 Sample Time.....: 07:15
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-4
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		08/24/95 1853	
Chloroform	Solid	ND	5	ug/Kg		08/24/95 1853	
Chloromethane	Solid	ND	5	ug/Kg		08/24/95 1853	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		08/24/95 1853	
Dibromochloromethane	Solid	ND	5	ug/Kg		08/24/95 1853	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		08/24/95 1853	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		08/24/95 1853	
Dibromomethane	Solid	ND	5	ug/Kg		08/24/95 1853	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		08/24/95 1853	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		08/24/95 1853	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 1853	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 1853	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1853	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1853	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1853	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		08/24/95 1853	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 1853	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 1853	
Ethylbenzene	Solid	ND	5	ug/Kg		08/24/95 1853	
Ethyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 1853	
2-Hexanone	Solid	ND	5	ug/Kg		08/24/95 1853	
Iodomethane	Solid	ND	5	ug/Kg		08/24/95 1853	
Isobutyl alcohol	Solid	ND	50	ug/Kg		08/24/95 1853	
Methylacrylonitrile	Solid	ND	50	ug/Kg		08/24/95 1853	
Methylene chloride	Solid	ND	5	ug/Kg		08/24/95 1853	
Methyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 1853	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		08/24/95 1853	
Pentachloroethane	Solid	ND	5	ug/Kg		08/24/95 1853	
Propionitrile	Solid	ND	100	ug/Kg		08/24/95 1853	
Styrene	Solid	ND	5	ug/Kg		08/24/95 1853	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 1853	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-8, 10'
Sample Date.....: 08/16/95
Sample Time.....: 07:15
Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-4
Date Received.....: 08/22/95
Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 1853	
Tetrachloroethene	Solid	ND	5	ug/Kg		08/24/95 1853	
Toluene	Solid	ND	5	ug/Kg		08/24/95 1853	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 1853	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 1853	
Trichloroethene	Solid	ND	5	ug/Kg		08/24/95 1853	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		08/24/95 1853	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		08/24/95 1853	
Vinyl acetate	Solid	ND	50	ug/Kg		08/24/95 1853	
Vinyl chloride	Solid	ND	10	ug/Kg		08/24/95 1853	
Xylenes (total)	Solid	ND	5	ug/Kg		08/24/95 1853	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-8, 65'
 Sample Date.....: 08/16/95
 Sample Time.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-5
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/31/95 1000	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/01/95 1121	lmt
Arsenic (As)	Solid	<5	5	mg/Kg	SW-846 6010	08/31/95 2128	gag
Barium (Ba)	Solid	8	1	mg/Kg	SW-846 6010	08/31/95 2128	gag
Chromium (Cr)	Solid	5	1	mg/Kg	SW-846 6010	08/31/95 2128	gag
Lead (Pb)	Solid	<5	5	mg/Kg	SW-846 6010	08/31/95 2128	gag
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		08/24/95 1925	
Acrolein	Solid	ND	50	ug/Kg		08/24/95 1925	
Acrylonitrile	Solid	ND	20	ug/Kg		08/24/95 1925	
Acetone	Solid	ND	100	ug/Kg		08/24/95 1925	
Allyl chloride	Solid	ND	20	ug/Kg		08/24/95 1925	
Benzene	Solid	ND	5	ug/Kg		08/24/95 1925	
Benzyl chloride	Solid	ND	5	ug/Kg		08/24/95 1925	
Bromobenzene	Solid	ND	5	ug/Kg		08/24/95 1925	
Bromochloromethane	Solid	ND	5	ug/Kg		08/24/95 1925	
Bromodichloromethane	Solid	ND	5	ug/Kg		08/24/95 1925	
Bromoform	Solid	ND	5	ug/Kg		08/24/95 1925	
Bromomethane	Solid	ND	10	ug/Kg		08/24/95 1925	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		08/24/95 1925	
Carbon disulfide	Solid	ND	5	ug/Kg		08/24/95 1925	
Carbon tetrachloride	Solid	ND	5	ug/Kg		08/24/95 1925	
Chlorobenzene	Solid	ND	5	ug/Kg		08/24/95 1925	
Chloroethane	Solid	ND	10	ug/Kg		08/24/95 1925	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-8, 65'
 Sample Date.....: 08/16/95
 Sample Time.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-5
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		08/24/95 1925	
Chloroform	Solid	ND	5	ug/Kg		08/24/95 1925	
Chloromethane	Solid	ND	5	ug/Kg		08/24/95 1925	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		08/24/95 1925	
Dibromochloromethane	Solid	ND	5	ug/Kg		08/24/95 1925	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		08/24/95 1925	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		08/24/95 1925	
Dibromomethane	Solid	ND	5	ug/Kg		08/24/95 1925	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		08/24/95 1925	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		08/24/95 1925	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 1925	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 1925	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1925	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1925	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1925	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		08/24/95 1925	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 1925	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 1925	
Ethylbenzene	Solid	ND	5	ug/Kg		08/24/95 1925	
Ethyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 1925	
2-Hexanone	Solid	ND	5	ug/Kg		08/24/95 1925	
Iodomethane	Solid	ND	5	ug/Kg		08/24/95 1925	
Isobutyl alcohol	Solid	ND	50	ug/Kg		08/24/95 1925	
Methylacrylonitrile	Solid	ND	50	ug/Kg		08/24/95 1925	
Methylene chloride	Solid	ND	5	ug/Kg		08/24/95 1925	
Methyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 1925	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		08/24/95 1925	
Pentachloroethane	Solid	ND	5	ug/Kg		08/24/95 1925	
Propionitrile	Solid	ND	100	ug/Kg		08/24/95 1925	
Styrene	Solid	ND	5	ug/Kg		08/24/95 1925	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 1925	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-8, 65'
Sample Date.....: 08/16/95
Sample Time.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-5
Date Received.....: 08/22/95
Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 1925	
Tetrachloroethene	Solid	ND	5	ug/Kg		08/24/95 1925	
Toluene	Solid	ND	5	ug/Kg		08/24/95 1925	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 1925	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 1925	
Trichloroethene	Solid	ND	5	ug/Kg		08/24/95 1925	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		08/24/95 1925	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		08/24/95 1925	
Vinyl acetate	Solid	ND	50	ug/Kg		08/24/95 1925	
Vinyl chloride	Solid	ND	10	ug/Kg		08/24/95 1925	
Xylenes (total)	Solid	ND	5	ug/Kg		08/24/95 1925	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-9, 10'
 Sample Date.....: 08/16/95
 Sample Time.....: 16:40
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-6
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/31/95 1000	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/01/95 1123	lmt
Arsenic (As)	Solid	8	5	mg/Kg	SW-846 6010	08/31/95 2130	gag
Barium (Ba)	Solid	151	1	mg/Kg	SW-846 6010	08/31/95 2130	gag
Chromium (Cr)	Solid	7	1	mg/Kg	SW-846 6010	08/31/95 2130	gag
Lead (Pb)	Solid	<5	5	mg/Kg	SW-846 6010	08/31/95 2130	gag
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		08/24/95 1957	
Acrolein	Solid	ND	50	ug/Kg		08/24/95 1957	
Acrylonitrile	Solid	ND	20	ug/Kg		08/24/95 1957	
Acetone	Solid	ND	100	ug/Kg		08/24/95 1957	
Allyl chloride	Solid	ND	20	ug/Kg		08/24/95 1957	
Benzene	Solid	ND	5	ug/Kg		08/24/95 1957	
Benzyl chloride	Solid	ND	5	ug/Kg		08/24/95 1957	
Bromobenzene	Solid	ND	5	ug/Kg		08/24/95 1957	
Bromochloromethane	Solid	ND	5	ug/Kg		08/24/95 1957	
Bromodichloromethane	Solid	ND	5	ug/Kg		08/24/95 1957	
Bromoform	Solid	ND	5	ug/Kg		08/24/95 1957	
Bromomethane	Solid	ND	10	ug/Kg		08/24/95 1957	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		08/24/95 1957	
Carbon disulfide	Solid	ND	5	ug/Kg		08/24/95 1957	
Carbon tetrachloride	Solid	ND	5	ug/Kg		08/24/95 1957	
Chlorobenzene	Solid	ND	5	ug/Kg		08/24/95 1957	
Chloroethane	Solid	ND	10	ug/Kg		08/24/95 1957	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-9, 10'
Sample Date.....: 08/16/95
Sample Time.....: 16:40
Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-6
Date Received.....: 08/22/95
Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		08/24/95 1957	
Chloroform	Solid	ND	5	ug/Kg		08/24/95 1957	
Chloromethane	Solid	ND	5	ug/Kg		08/24/95 1957	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		08/24/95 1957	
Dibromochloromethane	Solid	ND	5	ug/Kg		08/24/95 1957	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		08/24/95 1957	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		08/24/95 1957	
Dibromomethane	Solid	ND	5	ug/Kg		08/24/95 1957	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		08/24/95 1957	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		08/24/95 1957	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 1957	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 1957	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1957	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1957	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 1957	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		08/24/95 1957	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 1957	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 1957	
Ethylbenzene	Solid	ND	5	ug/Kg		08/24/95 1957	
Ethyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 1957	
2-Hexanone	Solid	ND	5	ug/Kg		08/24/95 1957	
Iodomethane	Solid	ND	5	ug/Kg		08/24/95 1957	
Isobutyl alcohol	Solid	ND	50	ug/Kg		08/24/95 1957	
Methylacrylonitrile	Solid	ND	50	ug/Kg		08/24/95 1957	
Methylene chloride	Solid	ND	5	ug/Kg		08/24/95 1957	
Methyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 1957	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		08/24/95 1957	
Pentachloroethane	Solid	ND	5	ug/Kg		08/24/95 1957	
Propionitrile	Solid	ND	100	ug/Kg		08/24/95 1957	
Styrene	Solid	ND	5	ug/Kg		08/24/95 1957	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 1957	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-9, 10'

Sample Date.....: 08/16/95

Sample Time.....: 16:40

Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-6

Date Received.....: 08/22/95

Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 1957	
Tetrachloroethene	Solid	ND	5	ug/Kg		08/24/95 1957	
Toluene	Solid	ND	5	ug/Kg		08/24/95 1957	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 1957	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 1957	
Trichloroethene	Solid	ND	5	ug/Kg		08/24/95 1957	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		08/24/95 1957	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		08/24/95 1957	
Vinyl acetate	Solid	ND	50	ug/Kg		08/24/95 1957	
Vinyl chloride	Solid	ND	10	ug/Kg		08/24/95 1957	
Xylenes (total)	Solid	ND	5	ug/Kg		08/24/95 1957	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-9, 40'-42'
 Sample Date.....: 08/16/95
 Sample Time.....: 17:45
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-7
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/31/95 1000	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/01/95 1125	lmt
Arsenic (As)	Solid	12	5	mg/Kg	SW-846 6010	08/31/95 2132	gag
Barium (Ba)	Solid	176	1	mg/Kg	SW-846 6010	08/31/95 2132	gag
Chromium (Cr)	Solid	13	1	mg/Kg	SW-846 6010	08/31/95 2132	gag
Lead (Pb)	Solid	5	5	mg/Kg	SW-846 6010	08/31/95 2132	gag
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		08/24/95 2029	
Acrolein	Solid	ND	50	ug/Kg		08/24/95 2029	
Acrylonitrile	Solid	ND	20	ug/Kg		08/24/95 2029	
Acetone	Solid	ND	100	ug/Kg		08/24/95 2029	
Allyl chloride	Solid	ND	20	ug/Kg		08/24/95 2029	
Benzene	Solid	ND	5	ug/Kg		08/24/95 2029	
Benzyl chloride	Solid	ND	5	ug/Kg		08/24/95 2029	
Bromobenzene	Solid	ND	5	ug/Kg		08/24/95 2029	
Bromochloromethane	Solid	ND	5	ug/Kg		08/24/95 2029	
Bromodichloromethane	Solid	ND	5	ug/Kg		08/24/95 2029	
Bromoform	Solid	ND	5	ug/Kg		08/24/95 2029	
Bromomethane	Solid	ND	10	ug/Kg		08/24/95 2029	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		08/24/95 2029	
Carbon disulfide	Solid	ND	5	ug/Kg		08/24/95 2029	
Carbon tetrachloride	Solid	ND	5	ug/Kg		08/24/95 2029	
Chlorobenzene	Solid	ND	5	ug/Kg		08/24/95 2029	
Chloroethane	Solid	ND	10	ug/Kg		08/24/95 2029	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-9, 40'-42'

Sample Date.....: 08/16/95

Sample Time.....: 17:45

Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-7

Date Received.....: 08/22/95

Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		08/24/95 2029	
Chloroform	Solid	ND	5	ug/Kg		08/24/95 2029	
Chloromethane	Solid	ND	5	ug/Kg		08/24/95 2029	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		08/24/95 2029	
Dibromochloromethane	Solid	ND	5	ug/Kg		08/24/95 2029	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		08/24/95 2029	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		08/24/95 2029	
Dibromomethane	Solid	ND	5	ug/Kg		08/24/95 2029	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		08/24/95 2029	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		08/24/95 2029	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 2029	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		08/24/95 2029	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 2029	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 2029	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/24/95 2029	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		08/24/95 2029	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 2029	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/24/95 2029	
Ethylbenzene	Solid	ND	5	ug/Kg		08/24/95 2029	
Ethyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 2029	
2-Hexanone	Solid	ND	5	ug/Kg		08/24/95 2029	
Iodomethane	Solid	ND	5	ug/Kg		08/24/95 2029	
Isobutyl alcohol	Solid	ND	50	ug/Kg		08/24/95 2029	
Methylacrylonitrile	Solid	ND	50	ug/Kg		08/24/95 2029	
Methylene chloride	Solid	ND	5	ug/Kg		08/24/95 2029	
Methyl methacrylate	Solid	ND	5	ug/Kg		08/24/95 2029	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		08/24/95 2029	
Pentachloroethane	Solid	ND	5	ug/Kg		08/24/95 2029	
Propionitrile	Solid	ND	100	ug/Kg		08/24/95 2029	
Styrene	Solid	ND	5	ug/Kg		08/24/95 2029	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 2029	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-9, 40'-42'
Sample Date.....: 08/16/95
Sample Time.....: 17:45
Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-7
Date Received.....: 08/22/95
Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/24/95 2029	
Tetrachloroethene	Solid	ND	5	ug/Kg		08/24/95 2029	
Toluene	Solid	ND	5	ug/Kg		08/24/95 2029	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 2029	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		08/24/95 2029	
Trichloroethene	Solid	ND	5	ug/Kg		08/24/95 2029	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		08/24/95 2029	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		08/24/95 2029	
Vinyl acetate	Solid	ND	50	ug/Kg		08/24/95 2029	
Vinyl chloride	Solid	ND	10	ug/Kg		08/24/95 2029	
Xylenes (total)	Solid	ND	5	ug/Kg		08/24/95 2029	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 2, SW BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 08:25
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-8
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Sulfide	Solid	370	50	mg/Kg	SW-846 9030	09/05/95 0800	* cc
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/30/95 1000	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/01/95 1127	lmt
Aluminum (Al)	Solid	1630	5	mg/Kg	SW-846 6010	09/06/95 2114	gef
Antimony (Sb)	Solid	<10	10	mg/Kg	SW-846 6010	09/06/95 2114	gef
Arsenic (As)	Solid	<5	5	mg/Kg	SW-846 6010	09/06/95 2114	gef
Barium (Ba)	Solid	734	1	mg/Kg	SW-846 6010	09/06/95 2114	gef
Beryllium (Be)	Solid	<0.5	0.5	mg/Kg	SW-846 6010	09/06/95 2114	gef
Cadmium (Cd)	Solid	<0.5	0.5	mg/Kg	SW-846 6010	09/06/95 2114	gef
Chromium (Cr)	Solid	7	1	mg/Kg	SW-846 6010	09/06/95 2114	gef
Cobalt (Co)	Solid	<3	3	mg/Kg	SW-846 6010	09/06/95 2114	gef
Copper (Cu)	Solid	18	1	mg/Kg	SW-846 6010	09/06/95 2114	gef
Lead (Pb)	Solid	<5	5	mg/Kg	SW-846 6010	09/06/95 2114	gef
Nickel (Ni)	Solid	<4	4	mg/Kg	SW-846 6010	09/06/95 2114	gef
Selenium (Se)	Solid	10	10	mg/Kg	SW-846 6010	09/06/95 2114	gef
Silver (Ag)	Solid	<1	1	mg/Kg	SW-846 6010	09/06/95 2114	gef



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 2, SW BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 08:25
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-8
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Thallium (Tl)	Solid	<10	10	mg/Kg	SW-846 6010	09/06/95 2114	gef
Tin (Sn)	Solid	<5	5	mg/Kg	SW-846 6010	09/06/95 2114	gef
Vanadium (V)	Solid	11	5	mg/Kg	SW-846 6010	09/06/95 2114	gef
Zinc (Zn)	Solid	34	1	mg/Kg	SW-846 6010	09/06/95 2114	gef
Ultrasonic Extraction		completed		Not Applicable	SW-846 3550	08/30/95	mla
Ultrasonic Extraction		completed	0	Not Applicable	SW-846 3550	08/28/95 0000	mla
Total Recoverable Petroleum Hydrocarbons	Solid	ND	50	mg/Kg	EPA 418.1	09/11/95 0915	jbd
Cyanide (Colorimetric, Manual)					SW-846 9010		kds
Cyanide (CN)	Solid	<0.4	0.4	mg/Kg		08/28/95 1000	
PCB Analysis					SW-846 8080		lb
Aroclor 1016	Solid	ND	17	ug/Kg		09/13/95 0235	
Aroclor 1221	Solid	ND	17	ug/Kg		09/13/95 0235	
Aroclor 1232	Solid	ND	17	ug/Kg		09/13/95 0235	
Aroclor 1242	Solid	ND	17	ug/Kg		09/13/95 0235	
Aroclor 1248	Solid	ND	17	ug/Kg		09/13/95 0235	
Aroclor 1254	Solid	ND	17	ug/Kg		09/13/95 0235	
Aroclor 1260	Solid	ND	17	ug/Kg		09/13/95 0235	
Aroclor 1262	Solid	ND	17	ug/Kg		09/13/95 0235	
Aroclor 1268	Solid	ND	17	ug/Kg		09/13/95 0235	
Semivolatile Organics (Client List)					SW-846 8270		mla
Acenaphthene	Solid	ND	330	ug/Kg		09/11/95 1751	
Acenaphthylene	Solid	ND	330	ug/Kg		09/11/95 1751	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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CUSTOMER: Daniel B. Stevens & Associates

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Customer Sample ID.: PIT 2, SW BORING
Sample Date: 08/18/95
Sample Time: 08:25
Sample Matrix: Soil

Laboratory Sample ID.: 954165-8
Date Received: 08/22/95
Time Received: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acetophenone	Solid	ND	330	ug/Kg		09/11/95 1751	
4-Aminobiphenyl	Solid	ND	330	ug/Kg		09/11/95 1751	
Aniline	Solid	ND	330	ug/Kg		09/11/95 1751	
Anthracene	Solid	ND	330	ug/Kg		09/11/95 1751	
Benzidine	Solid	ND	1650	ug/Kg		09/11/95 1751	
Benzo(a)anthracene	Solid	ND	330	ug/Kg		09/11/95 1751	
Benzo(b)fluoranthene	Solid	ND	330	ug/Kg		09/11/95 1751	
Benzo(j)fluoranthene	Solid	330	330	ug/Kg		09/11/95 1751	
Benzo(k)fluoranthene	Solid	ND	330	ug/Kg		09/11/95 1751	
Benzo(ghi)perylene	Solid	ND	330	ug/Kg		09/11/95 1751	
Benzo(a)pyrene	Solid	ND	330	ug/Kg		09/11/95 1751	
Benzyl alcohol	Solid	ND	660	ug/Kg		09/11/95 1751	
Butyl benzyl phthalate	Solid	ND	330	ug/Kg		09/11/95 1751	
Bis(2-chloroethoxy)methane	Solid	ND	330	ug/Kg		09/11/95 1751	
Bis(2-chloroethyl)ether	Solid	ND	330	ug/Kg		09/11/95 1751	
Bis(2-chloroisopropyl)ether	Solid	ND	330	ug/Kg		09/11/95 1751	
Bis(2-ethylhexyl)phthalate	Solid	ND	330	ug/Kg		09/11/95 1751	
4-Bromophenyl phenyl ether	Solid	ND	330	ug/Kg		09/11/95 1751	
4-Chloroaniline	Solid	ND	330	ug/Kg		09/11/95 1751	
Chlorobenzilate	Solid	ND	330	ug/Kg		09/11/95 1751	
1-Chloronaphthalene	Solid	ND	330	ug/Kg		09/11/95 1751	
2-Chloronaphthalene	Solid	ND	330	ug/Kg		09/11/95 1751	
4-Chlorophenyl phenyl ether	Solid	ND	330	ug/Kg		09/11/95 1751	
Chrysene	Solid	330	330	ug/Kg		09/11/95 1751	
Diallate	Solid	ND	330	ug/Kg		09/11/95 1751	
Dibenzo(a,j)acridine	Solid	ND	330	ug/Kg		09/15/95 0149	
Dibenzo(a,h)anthracene	Solid	ND	330	ug/Kg		09/11/95 1751	
Dibenzofuran	Solid	ND	330	ug/Kg		09/11/95 1751	
1,2-Dichlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	
1,3-Dichlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	
1,4-Dichlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

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Customer Sample ID.: PIT 2, SW BORING

Sample Date.....: 08/18/95

Sample Time.....: 08:25

Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-8

Date Received.....: 08/22/95

Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
3,3-Dichlorobenzidine	Solid	ND	330	ug/Kg		09/11/95 1751	
Diethyl phthalate	Solid	ND	330	ug/Kg		09/11/95 1751	
p-Dimethylaminoazobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	
Dimethoate	Solid	ND	660	ug/Kg		09/11/95 1751	
7,12-Dimethylbenz(a)anthracene	Solid	ND	330	ug/Kg		09/11/95 1751	
alpha, alpha-Dimethylphenethylamine	Solid	ND	330	ug/Kg		09/11/95 1751	
Dimethyl phthalate	Solid	ND	330	ug/Kg		09/11/95 1751	
Di-n-butyl phthalate	Solid	ND	330	ug/Kg		09/11/95 1751	
Di-n-octyl phthalate	Solid	ND	330	ug/Kg		09/11/95 1751	
2,4-Dinitrotoluene	Solid	ND	330	ug/Kg		09/11/95 1751	
2,6-Dinitrotoluene	Solid	ND	330	ug/Kg		09/11/95 1751	
Dinoseb (DNBP)	Solid	ND	330	ug/Kg		09/11/95 1751	
Diphenylamine	Solid	ND	330	ug/Kg		09/11/95 1751	
1,2-Diphenylhydrazine	Solid	ND	330	ug/Kg		09/11/95 1751	
Disulfoton	Solid	ND	330	ug/Kg		09/11/95 1751	
Ethyl methane sulfonate	Solid	ND	330	ug/Kg		09/11/95 1751	
Fluoranthene	Solid	760	330	ug/Kg		09/11/95 1751	
Fluorene	Solid	ND	330	ug/Kg		09/11/95 1751	
Hexachlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	
Hexachlorobutadiene	Solid	ND	330	ug/Kg		09/11/95 1751	
Hexachlorocyclopentadiene	Solid	ND	330	ug/Kg		09/11/95 1751	
Hexachloroethane	Solid	ND	330	ug/Kg		09/11/95 1751	
Hexachlorophene	Solid	ND	330	ug/Kg		09/15/95 0149	
Hexachloropropene	Solid	ND	330	ug/Kg		09/11/95 1751	
Indeno(1,2,3-cd)pyrene	Solid	ND	330	ug/Kg		09/11/95 1751	
Isodrin	Solid	ND	330	ug/Kg		09/11/95 1751	
Isophorone	Solid	ND	330	ug/Kg		09/11/95 1751	
Isosafrole	Solid	ND	330	ug/Kg		09/11/95 1751	
Kepone	Solid	ND	1650	ug/Kg		09/15/95 0149	
Methapyrilene	Solid	ND	330	ug/Kg		09/11/95 1751	
3-Methylcholanthrene	Solid	ND	330	ug/Kg		09/11/95 1751	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 2, SW BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 08:25
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-8
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Methyl methane sulfonate	Solid	ND	330	ug/Kg		09/11/95 1751	
2-Methylnaphthalene	Solid	ND	330	ug/Kg		09/11/95 1751	
Naphthalene	Solid	ND	330	ug/Kg		09/11/95 1751	
1,4-Naphthoquinone	Solid	ND	330	ug/Kg		09/11/95 1751	
1-Naphthylamine	Solid	ND	330	ug/Kg		09/11/95 1751	
2-Naphthylamine	Solid	ND	330	ug/Kg		09/11/95 1751	
o-Nitroaniline	Solid	ND	1650	ug/Kg		09/11/95 1751	
m-Nitroaniline	Solid	ND	1650	ug/Kg		09/11/95 1751	
p-Nitroaniline	Solid	ND	1650	ug/Kg		09/11/95 1751	
Nitrobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	
4-Nitroquinoline-1-oxide	Solid	ND	330	ug/Kg		09/11/95 1751	
n-Nitrosodi-n-butylamine	Solid	ND	330	ug/Kg		09/11/95 1751	
n-Nitrosodiethylamine	Solid	ND	330	ug/Kg		09/11/95 1751	
n-Nitrosodimethylamine	Solid	ND	330	ug/Kg		09/11/95 1751	
n-Nitrosomethylethylamine	Solid	ND	330	ug/Kg		09/11/95 1751	
n-Nitrosomorpholine	Solid	ND	330	ug/Kg		09/11/95 1751	
n-Nitrosodi-n-propylamine	Solid	ND	330	ug/Kg		09/11/95 1751	
n-Nitrosodiphenylamine	Solid	ND	330	ug/Kg		09/11/95 1751	
n-Nitrosopiperidine	Solid	ND	330	ug/Kg		09/11/95 1751	
n-Nitrosopyrrolidine	Solid	ND	330	ug/Kg		09/11/95 1751	
5-Nitro-o-toluidine	Solid	ND	330	ug/Kg		09/11/95 1751	
Ethyl parathion	Solid	ND	330	ug/Kg		09/11/95 1751	
Pentachlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	
Pentachloronitrobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	
Phenacetin	Solid	ND	330	ug/Kg		09/11/95 1751	
Phenanthrene	Solid	450	330	ug/Kg		09/11/95 1751	
p-Phenylenediamine	Solid	ND	330	ug/Kg		09/11/95 1751	
Phorate	Solid	ND	330	ug/Kg		09/11/95 1751	
2-Picoline	Solid	ND	330	ug/Kg		09/11/95 1751	
Pronamide	Solid	ND	330	ug/Kg		09/11/95 1751	
Pyrene	Solid	890	330	ug/Kg		09/11/95 1751	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 2, SW BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 08:25
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-8
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Pyridine	Solid	ND	330	ug/Kg		09/11/95 1751	
Safrole	Solid	ND	330	ug/Kg		09/11/95 1751	
1,2,4,5-Tetrachlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	
o-Toluidine	Solid	ND	330	ug/Kg		09/11/95 1751	
1,2,4-Trichlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	
0,0,0-Triethyl phosphorothioate	Solid	ND	330	ug/Kg		09/11/95 1751	
1,3,5-Trinitrobenzene	Solid	ND	330	ug/Kg		09/11/95 1751	
Benzoic acid	Solid	ND	1650	ug/Kg		09/11/95 1751	
4-Chloro-3-methylphenol	Solid	ND	330	ug/Kg		09/11/95 1751	
2-Chlorophenol	Solid	ND	330	ug/Kg		09/11/95 1751	
2,4-Dichlorophenol	Solid	ND	330	ug/Kg		09/11/95 1751	
2,6-Dichlorophenol	Solid	ND	330	ug/Kg		09/11/95 1751	
2,4-Dimethylphenol	Solid	ND	330	ug/Kg		09/11/95 1751	
2,4-Dinitrophenol	Solid	ND	1650	ug/Kg		09/11/95 1751	
2-Methyl-4,6-dinitrophenol	Solid	ND	1650	ug/Kg		09/11/95 1751	
2-Methylphenol (o-cresol)	Solid	ND	330	ug/Kg		09/11/95 1751	
3 & 4 Methylphenol (m&p cresol)	Solid	ND	330	ug/Kg		09/11/95 1751	
2-Nitrophenol	Solid	ND	330	ug/Kg		09/11/95 1751	
4-Nitrophenol	Solid	ND	1650	ug/Kg		09/11/95 1751	
Pentachlorophenol	Solid	ND	1650	ug/Kg		09/11/95 1751	
Phenol	Solid	ND	330	ug/Kg		09/11/95 1751	
2,3,4,6-Tetrachlorophenol	Solid	ND	330	ug/Kg		09/11/95 1751	
2,4,5-Trichlorophenol	Solid	ND	330	ug/Kg		09/11/95 1751	
2,4,6-Trichlorophenol	Solid	ND	330	ug/Kg		09/11/95 1751	
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		08/28/95 1237	
Acrolein	Solid	ND	50	ug/Kg		08/28/95 1237	
Acrylonitrile	Solid	ND	20	ug/Kg		08/28/95 1237	
Acetone	Solid	ND	100	ug/Kg		08/28/95 1237	
Allyl chloride	Solid	ND	20	ug/Kg		08/28/95 1237	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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 Sample Date.....: 08/18/95
 Sample Time.....: 08:25
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-8
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Benzene	Solid	ND	5	ug/Kg		08/28/95 1237	
Benzyl chloride	Solid	ND	5	ug/Kg		08/28/95 1237	
Bromobenzene	Solid	ND	5	ug/Kg		08/28/95 1237	
Bromochloromethane	Solid	ND	5	ug/Kg		08/28/95 1237	
Bromodichloromethane	Solid	ND	5	ug/Kg		08/28/95 1237	
Bromoform	Solid	ND	5	ug/Kg		08/28/95 1237	
Bromomethane	Solid	ND	10	ug/Kg		08/28/95 1237	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		08/28/95 1237	
Carbon disulfide	Solid	ND	5	ug/Kg		08/28/95 1237	
Carbon tetrachloride	Solid	ND	5	ug/Kg		08/28/95 1237	
Chlorobenzene	Solid	ND	5	ug/Kg		08/28/95 1237	
Chloroethane	Solid	ND	10	ug/Kg		08/28/95 1237	
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		08/28/95 1237	
Chloroform	Solid	ND	5	ug/Kg		08/28/95 1237	
Chloromethane	Solid	ND	5	ug/Kg		08/28/95 1237	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		08/28/95 1237	
Dibromochloromethane	Solid	ND	5	ug/Kg		08/28/95 1237	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		08/28/95 1237	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		08/28/95 1237	
Dibromomethane	Solid	ND	5	ug/Kg		08/28/95 1237	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		08/28/95 1237	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		08/28/95 1237	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		08/28/95 1237	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		08/28/95 1237	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		08/28/95 1237	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/28/95 1237	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		08/28/95 1237	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		08/28/95 1237	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/28/95 1237	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		08/28/95 1237	
Ethylbenzene	Solid	ND	5	ug/Kg		08/28/95 1237	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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 Sample Date.....: 08/18/95
 Sample Time.....: 08:25
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-8
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Ethyl methacrylate	Solid	ND	5	ug/Kg		08/28/95 1237	
2-Hexanone	Solid	ND	5	ug/Kg		08/28/95 1237	
Iodomethane	Solid	ND	5	ug/Kg		08/28/95 1237	
Isobutyl alcohol	Solid	ND	50	ug/Kg		08/28/95 1237	
Methylacrylonitrile	Solid	ND	50	ug/Kg		08/28/95 1237	
Methylene chloride	Solid	ND	5	ug/Kg		08/28/95 1237	
Methyl methacrylate	Solid	ND	5	ug/Kg		08/28/95 1237	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		08/28/95 1237	
Pentachloroethane	Solid	ND	5	ug/Kg		08/28/95 1237	
Propionitrile	Solid	ND	100	ug/Kg		08/28/95 1237	
Styrene	Solid	ND	5	ug/Kg		08/28/95 1237	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/28/95 1237	
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		08/28/95 1237	
Tetrachloroethene	Solid	9	5	ug/Kg		08/28/95 1237	
Toluene	Solid	ND	5	ug/Kg		08/28/95 1237	
1,1,1-Trichloroethane	Solid	17	5	ug/Kg		08/28/95 1237	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		08/28/95 1237	
Trichloroethene	Solid	ND	5	ug/Kg		08/28/95 1237	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		08/28/95 1237	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		08/28/95 1237	
Vinyl acetate	Solid	ND	50	ug/Kg		08/28/95 1237	
Vinyl chloride	Solid	ND	10	ug/Kg		08/28/95 1237	
Xylenes (total)	Solid	ND	5	ug/Kg		08/28/95 1237	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 2, NE BORING
 Sample Date.....: 08/17/95
 Sample Time.....: 16:35
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-9
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Sulfide	Solid	530	50	mg/Kg	SW-846 9030	09/05/95 0800	* cc
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/30/95 1000	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/01/95 1130	lmt
Aluminum (Al)	Solid	1430	5	mg/Kg	SW-846 6010	09/06/95 2119	gef
Antimony (Sb)	Solid	<10	10	mg/Kg	SW-846 6010	09/06/95 2119	gef
Arsenic (As)	Solid	6	5	mg/Kg	SW-846 6010	09/06/95 2119	gef
Barium (Ba)	Solid	233	1	mg/Kg	SW-846 6010	09/06/95 2119	gef
Beryllium (Be)	Solid	0.5	0.5	mg/Kg	SW-846 6010	09/06/95 2119	gef
Cadmium (Cd)	Solid	<0.5	0.5	mg/Kg	SW-846 6010	09/06/95 2119	gef
Chromium (Cr)	Solid	8	1	mg/Kg	SW-846 6010	09/06/95 2119	gef
Cobalt (Co)	Solid	<3	3	mg/Kg	SW-846 6010	09/06/95 2119	gef
Copper (Cu)	Solid	56	1	mg/Kg	SW-846 6010	09/06/95 2119	gef
Lead (Pb)	Solid	<5	5	mg/Kg	SW-846 6010	09/06/95 2119	gef
Nickel (Ni)	Solid	5	4	mg/Kg	SW-846 6010	09/06/95 2119	gef
Selenium (Se)	Solid	<10	10	mg/Kg	SW-846 6010	09/06/95 2119	gef
Silver (Ag)	Solid	<1	1	mg/Kg	SW-846 6010	09/06/95 2119	gef



CORE LABORATORIES

LABORATORY TESTS RESULTS

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 Sample Date.....: 08/17/95
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 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-9
 Date Received.....: 08/22/95
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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Thallium (Tl)	Solid	<10	10	mg/Kg	SW-846 6010	09/06/95 2119	gef
Tin (Sn)	Solid	5	5	mg/Kg	SW-846 6010	09/06/95 2119	gef
Vanadium (V)	Solid	21	5	mg/Kg	SW-846 6010	09/06/95 2119	gef
Zinc (Zn)	Solid	45	1	mg/Kg	SW-846 6010	09/06/95 2119	gef
Ultrasonic Extraction		completed		Not Applicable	SW-846 3550	08/30/95	mla
Ultrasonic Extraction		completed	0	Not Applicable	SW-846 3550	08/28/95 0000	mla
Total Recoverable Petroleum Hydrocarbons	Solid	5300	200	mg/Kg	EPA 418.1	09/11/95 0915	jbd
Cyanide (Colorimetric, Manual)					SW-846 9010		kds
Cyanide (CN)	Solid	<0.4	0.4	mg/Kg		08/28/95 1000	
PCB Analysis					SW-846 8080		lb
Aroclor 1016	Solid	ND	1700	ug/Kg		09/13/95 0108	
Aroclor 1221	Solid	ND	1700	ug/Kg		09/13/95 0108	
Aroclor 1232	Solid	ND	1700	ug/Kg		09/13/95 0108	
Aroclor 1242	Solid	ND	1700	ug/Kg		09/13/95 0108	
Aroclor 1248	Solid	ND	1700	ug/Kg		09/13/95 0108	
Aroclor 1254	Solid	ND	1700	ug/Kg		09/13/95 0108	
Aroclor 1260	Solid	ND	1700	ug/Kg		09/13/95 0108	
Aroclor 1262	Solid	ND	1700	ug/Kg		09/13/95 0108	
Aroclor 1268	Solid	ND	1700	ug/Kg		09/13/95 0108	
Semivolatile Organics (Client List)					SW-846 8270		mla
Acenaphthene	Solid	ND	330	ug/Kg		09/11/95 1848	
Acenaphthylene	Solid	ND	330	ug/Kg		09/11/95 1848	



CORE LABORATORIES

LABORATORY TESTS RESULTS

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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acetophenone	Solid	ND	330	ug/Kg		09/11/95 1848	
4-Aminobiphenyl	Solid	ND	330	ug/Kg		09/11/95 1848	
Aniline	Solid	ND	330	ug/Kg		09/11/95 1848	
Anthracene	Solid	ND	330	ug/Kg		09/11/95 1848	
Benzidine	Solid	ND	1650	ug/Kg		09/11/95 1848	
Benzo(a)anthracene	Solid	ND	330	ug/Kg		09/11/95 1848	
Benzo(b)fluoranthene	Solid	ND	330	ug/Kg		09/11/95 1848	
Benzo(j)fluoranthene	Solid	ND	330	ug/Kg		09/11/95 1848	
Benzo(k)fluoranthene	Solid	ND	330	ug/Kg		09/11/95 1848	
Benzo(ghi)perylene	Solid	ND	330	ug/Kg		09/11/95 1848	
Benzo(a)pyrene	Solid	ND	330	ug/Kg		09/11/95 1848	
Benzyl alcohol	Solid	ND	660	ug/Kg		09/11/95 1848	
Butyl benzyl phthalate	Solid	ND	330	ug/Kg		09/11/95 1848	
Bis(2-chloroethoxy)methane	Solid	ND	330	ug/Kg		09/11/95 1848	
Bis(2-chloroethyl)ether	Solid	ND	330	ug/Kg		09/11/95 1848	
Bis(2-chloroisopropyl)ether	Solid	ND	330	ug/Kg		09/11/95 1848	
Bis(2-ethylhexyl)phthalate	Solid	ND	330	ug/Kg		09/11/95 1848	
4-Bromophenyl phenyl ether	Solid	ND	330	ug/Kg		09/11/95 1848	
4-Chloroaniline	Solid	ND	330	ug/Kg		09/11/95 1848	
Chlorobenzilate	Solid	ND	330	ug/Kg		09/11/95 1848	
1-Chloronaphthalene	Solid	ND	330	ug/Kg		09/11/95 1848	
2-Chloronaphthalene	Solid	ND	330	ug/Kg		09/11/95 1848	
4-Chlorophenyl phenyl ether	Solid	ND	330	ug/Kg		09/11/95 1848	
Chrysene	Solid	ND	330	ug/Kg		09/11/95 1848	
Diallate	Solid	ND	330	ug/Kg		09/11/95 1848	
Dibenzo(a,j)acridine	Solid	ND	330	ug/Kg		09/15/95 0217	
Dibenzo(a,h)anthracene	Solid	ND	330	ug/Kg		09/11/95 1848	
Dibenzofuran	Solid	ND	330	ug/Kg		09/11/95 1848	
1,2-Dichlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	
1,3-Dichlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	
1,4-Dichlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	



CORE LABORATORIES

LABORATORY TESTS RESULTS

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Laboratory Sample ID.: 954165-9
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
3,3-Dichlorobenzidine	Solid	ND	330	ug/Kg		09/11/95 1848	
Diethyl phthalate	Solid	ND	330	ug/Kg		09/11/95 1848	
p-Dimethylaminoazobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	
Dimethoate	Solid	ND	660	ug/Kg		09/11/95 1848	
7,12-Dimethylbenz(a)anthracene	Solid	ND	330	ug/Kg		09/11/95 1848	
alpha, alpha-Dimethylphenethylamine	Solid	ND	330	ug/Kg		09/11/95 1848	
Dimethyl phthalate	Solid	ND	330	ug/Kg		09/11/95 1848	
Di-n-butyl phthalate	Solid	ND	330	ug/Kg		09/11/95 1848	
Di-n-octyl phthalate	Solid	ND	330	ug/Kg		09/11/95 1848	
2,4-Dinitrotoluene	Solid	ND	330	ug/Kg		09/11/95 1848	
2,6-Dinitrotoluene	Solid	ND	330	ug/Kg		09/11/95 1848	
Dinoseb (DNBP)	Solid	ND	330	ug/Kg		09/11/95 1848	
Diphenylamine	Solid	ND	330	ug/Kg		09/11/95 1848	
1,2-Diphenylhydrazine	Solid	ND	330	ug/Kg		09/11/95 1848	
Disulfoton	Solid	ND	330	ug/Kg		09/11/95 1848	
Ethyl methane sulfonate	Solid	ND	330	ug/Kg		09/11/95 1848	
Fluoranthene	Solid	ND	330	ug/Kg		09/11/95 1848	
Fluorene	Solid	ND	330	ug/Kg		09/11/95 1848	
Hexachlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	
Hexachlorobutadiene	Solid	ND	330	ug/Kg		09/11/95 1848	
Hexachlorocyclopentadiene	Solid	ND	330	ug/Kg		09/11/95 1848	
Hexachloroethane	Solid	ND	330	ug/Kg		09/11/95 1848	
Hexachlorophene	Solid	ND	330	ug/Kg		09/15/95 0217	
Hexachloropropene	Solid	ND	330	ug/Kg		09/11/95 1848	
Indeno(1,2,3-cd)pyrene	Solid	ND	330	ug/Kg		09/11/95 1848	
Isodrin	Solid	ND	330	ug/Kg		09/11/95 1848	
Isophorone	Solid	ND	330	ug/Kg		09/11/95 1848	
Isosafrole	Solid	ND	330	ug/Kg		09/11/95 1848	
Kepone	Solid	ND	1650	ug/Kg		09/15/95 0217	
Methapyrilene	Solid	ND	330	ug/Kg		09/11/95 1848	
3-Methylcholanthrene	Solid	ND	330	ug/Kg		09/11/95 1848	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 2, NE BORING
 Sample Date.....: 08/17/95
 Sample Time.....: 16:35
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-9
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Methyl methane sulfonate	Solid	ND	330	ug/Kg		09/11/95 1848	
2-Methylnaphthalene	Solid	460	330	ug/Kg		09/11/95 1848	
Naphthalene	Solid	ND	330	ug/Kg		09/11/95 1848	
1,4-Naphthoquinone	Solid	ND	330	ug/Kg		09/11/95 1848	
1-Naphthylamine	Solid	ND	330	ug/Kg		09/11/95 1848	
2-Naphthylamine	Solid	ND	330	ug/Kg		09/11/95 1848	
o-Nitroaniline	Solid	ND	1650	ug/Kg		09/11/95 1848	
m-Nitroaniline	Solid	ND	1650	ug/Kg		09/11/95 1848	
p-Nitroaniline	Solid	ND	1650	ug/Kg		09/11/95 1848	
Nitrobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	
4-Nitroquinoline-1-oxide	Solid	ND	330	ug/Kg		09/11/95 1848	
n-Nitrosodi-n-butylamine	Solid	ND	330	ug/Kg		09/11/95 1848	
n-Nitrosodiethylamine	Solid	ND	330	ug/Kg		09/11/95 1848	
n-Nitrosodimethylamine	Solid	ND	330	ug/Kg		09/11/95 1848	
n-Nitrosomethylethylamine	Solid	ND	330	ug/Kg		09/11/95 1848	
n-Nitrosomorpholine	Solid	ND	330	ug/Kg		09/11/95 1848	
n-Nitrosodi-n-propylamine	Solid	ND	330	ug/Kg		09/11/95 1848	
n-Nitrosodiphenylamine	Solid	ND	330	ug/Kg		09/11/95 1848	
n-Nitrosopiperidine	Solid	ND	330	ug/Kg		09/11/95 1848	
n-Nitrosopyrrolidine	Solid	ND	330	ug/Kg		09/11/95 1848	
5-Nitro-o-toluidine	Solid	ND	330	ug/Kg		09/11/95 1848	
Ethyl parathion	Solid	ND	330	ug/Kg		09/11/95 1848	
Pentachlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	
Pentachloronitrobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	
Phenacetin	Solid	ND	330	ug/Kg		09/11/95 1848	
Phenanthrene	Solid	ND	330	ug/Kg		09/11/95 1848	
p-Phenylenediamine	Solid	ND	330	ug/Kg		09/11/95 1848	
Phorate	Solid	ND	330	ug/Kg		09/11/95 1848	
2-Picoline	Solid	ND	330	ug/Kg		09/11/95 1848	
Pronamide	Solid	ND	330	ug/Kg		09/11/95 1848	
Pyrene	Solid	ND	330	ug/Kg		09/11/95 1848	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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Customer Sample ID.: PIT 2, NE BORING
 Sample Date.....: 08/17/95
 Sample Time.....: 16:35
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-9
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Pyridine	Solid	ND	330	ug/Kg		09/11/95 1848	
Safrole	Solid	ND	330	ug/Kg		09/11/95 1848	
1,2,4,5-Tetrachlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	
o-Toluidine	Solid	ND	330	ug/Kg		09/11/95 1848	
1,2,4-Trichlorobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	
0,0,0-Triethyl phosphorothioate	Solid	ND	330	ug/Kg		09/11/95 1848	
1,3,5-Trinitrobenzene	Solid	ND	330	ug/Kg		09/11/95 1848	
Benzoic acid	Solid	ND	1650	ug/Kg		09/11/95 1848	
4-Chloro-3-methylphenol	Solid	ND	330	ug/Kg		09/11/95 1848	
2-Chlorophenol	Solid	ND	330	ug/Kg		09/11/95 1848	
2,4-Dichlorophenol	Solid	ND	330	ug/Kg		09/11/95 1848	
2,6-Dichlorophenol	Solid	ND	330	ug/Kg		09/11/95 1848	
2,4-Dimethylphenol	Solid	ND	330	ug/Kg		09/11/95 1848	
2,4-Dinitrophenol	Solid	ND	1650	ug/Kg		09/11/95 1848	
2-Methyl-4,6-dinitrophenol	Solid	ND	1650	ug/Kg		09/11/95 1848	
2-Methylphenol (o-cresol)	Solid	ND	330	ug/Kg		09/11/95 1848	
3 & 4 Methylphenol (m&p cresol)	Solid	ND	330	ug/Kg		09/11/95 1848	
2-Nitrophenol	Solid	ND	330	ug/Kg		09/11/95 1848	
4-Nitrophenol	Solid	ND	1650	ug/Kg		09/11/95 1848	
Pentachlorophenol	Solid	ND	1650	ug/Kg		09/11/95 1848	
Phenol	Solid	ND	330	ug/Kg		09/11/95 1848	
2,3,4,6-Tetrachlorophenol	Solid	ND	330	ug/Kg		09/11/95 1848	
2,4,5-Trichlorophenol	Solid	ND	330	ug/Kg		09/11/95 1848	
2,4,6-Trichlorophenol	Solid	ND	330	ug/Kg		09/11/95 1848	
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	500	ug/Kg		08/28/95 1309	
Acrolein	Solid	ND	200	ug/Kg		08/28/95 1309	
Acrylonitrile	Solid	ND	100	ug/Kg		08/28/95 1309	
Acetone	Solid	ND	500	ug/Kg		08/28/95 1309	
Allyl chloride	Solid	ND	100	ug/Kg		08/28/95 1309	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

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Customer Sample ID.: PIT 2, NE BORING
 Sample Date.....: 08/17/95
 Sample Time.....: 16:35
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-9
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Benzene	Solid	140	20	ug/Kg		08/28/95 1309	
Benzyl chloride	Solid	ND	20	ug/Kg		08/28/95 1309	
Bromobenzene	Solid	ND	20	ug/Kg		08/28/95 1309	
Bromochloromethane	Solid	ND	20	ug/Kg		08/28/95 1309	
Bromodichloromethane	Solid	ND	20	ug/Kg		08/28/95 1309	
Bromoform	Solid	ND	20	ug/Kg		08/28/95 1309	
Bromomethane	Solid	ND	50	ug/Kg		08/28/95 1309	
Methyl ethyl ketone (2-Butanone)	Solid	ND	500	ug/Kg		08/28/95 1309	
Carbon disulfide	Solid	ND	20	ug/Kg		08/28/95 1309	
Carbon tetrachloride	Solid	ND	20	ug/Kg		08/28/95 1309	
Chlorobenzene	Solid	ND	20	ug/Kg		08/28/95 1309	
Chloroethane	Solid	ND	50	ug/Kg		08/28/95 1309	
2-Chloroethylvinyl ether	Solid	ND	20	ug/Kg		08/28/95 1309	
Chloroform	Solid	ND	20	ug/Kg		08/28/95 1309	
Chloromethane	Solid	ND	20	ug/Kg		08/28/95 1309	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	20	ug/Kg		08/28/95 1309	
Dibromochloromethane	Solid	ND	20	ug/Kg		08/28/95 1309	
1,2-Dibromoethane (EDB)	Solid	ND	20	ug/Kg		08/28/95 1309	
1,2-Dibromo-3-chloropropane	Solid	ND	20	ug/Kg		08/28/95 1309	
Dibromomethane	Solid	ND	20	ug/Kg		08/28/95 1309	
trans-1,4-Dichloro-2-butene	Solid	ND	200	ug/Kg		08/28/95 1309	
Dichlorodifluoromethane	Solid	ND	50	ug/Kg		08/28/95 1309	
1,1-Dichloroethane	Solid	ND	20	ug/Kg		08/28/95 1309	
1,2-Dichloroethane	Solid	ND	20	ug/Kg		08/28/95 1309	
1,1-Dichloroethene	Solid	ND	20	ug/Kg		08/28/95 1309	
cis-1,2-Dichloroethene	Solid	ND	20	ug/Kg		08/28/95 1309	
trans-1,2-Dichloroethene	Solid	ND	20	ug/Kg		08/28/95 1309	
1,2-Dichloropropane	Solid	ND	20	ug/Kg		08/28/95 1309	
cis-1,3-Dichloropropene	Solid	ND	20	ug/Kg		08/28/95 1309	
trans-1,3-Dichloropropene	Solid	ND	20	ug/Kg		08/28/95 1309	
Ethylbenzene	Solid	900	20	ug/Kg		08/28/95 1309	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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Customer Sample ID.: PIT 2, NE BORING
Sample Date.....: 08/17/95
Sample Time.....: 16:35
Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-9
Date Received.....: 08/22/95
Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Ethyl methacrylate	Solid	ND	20	ug/Kg		08/28/95 1309	
2-Hexanone	Solid	ND	20	ug/Kg		08/28/95 1309	
Iodomethane	Solid	ND	20	ug/Kg		08/28/95 1309	
Isobutyl alcohol	Solid	ND	200	ug/Kg		08/28/95 1309	
Methylacrylonitrile	Solid	ND	200	ug/Kg		08/28/95 1309	
Methylene chloride	Solid	ND	20	ug/Kg		08/28/95 1309	
Methyl methacrylate	Solid	ND	20	ug/Kg		08/28/95 1309	
4-Methyl-2-pentanone (MIBK)	Solid	ND	200	ug/Kg		08/28/95 1309	
Pentachloroethane	Solid	ND	20	ug/Kg		08/28/95 1309	
Propionitrile	Solid	ND	500	ug/Kg		08/28/95 1309	
Styrene	Solid	ND	20	ug/Kg		08/28/95 1309	
1,1,1,2-Tetrachloroethane	Solid	ND	20	ug/Kg		08/28/95 1309	
1,1,2,2-Tetrachloroethane	Solid	ND	20	ug/Kg		08/28/95 1309	
Tetrachloroethene	Solid	ND	20	ug/Kg		08/28/95 1309	
Toluene	Solid	1900	600	ug/Kg		08/31/95 1233	
1,1,1-Trichloroethane	Solid	ND	20	ug/Kg		08/28/95 1309	
1,1,2-Trichloroethane	Solid	ND	20	ug/Kg		08/28/95 1309	
Trichloroethene	Solid	ND	20	ug/Kg		08/28/95 1309	
Trichlorofluoromethane	Solid	ND	50	ug/Kg		08/28/95 1309	
1,2,3-Trichloropropane	Solid	ND	20	ug/Kg		08/28/95 1309	
Vinyl acetate	Solid	ND	6000	ug/Kg		08/31/95 1233	
Vinyl chloride	Solid	ND	50	ug/Kg		08/28/95 1309	
Xylenes (total)	Solid	16000	600	ug/Kg		08/31/95 1233	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 1, SE BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 10:00
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-10
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Sulfide	Solid	940	50	mg/Kg	SW-846 9030	09/05/95 0800	* cc
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/30/95 1000	lmt
Mercury (Hg)	Solid	1.36	0.10	mg/Kg	SW-846 7471	09/01/95 1132	lmt
Aluminum (Al)	Solid	1690	5	mg/Kg	SW-846 6010	09/06/95 2127	gef
Antimony (Sb)	Solid	<10	10	mg/Kg	SW-846 6010	09/06/95 2127	gef
Arsenic (As)	Solid	17	5	mg/Kg	SW-846 6010	09/06/95 2127	gef
Barium (Ba)	Solid	171	1	mg/Kg	SW-846 6010	09/06/95 2127	gef
Beryllium (Be)	Solid	<0.5	0.5	mg/Kg	SW-846 6010	09/06/95 2127	gef
Cadmium (Cd)	Solid	<0.5	0.5	mg/Kg	SW-846 6010	09/06/95 2127	gef
Chromium (Cr)	Solid	9	1	mg/Kg	SW-846 6010	09/06/95 2127	gef
Cobalt (Co)	Solid	<3	3	mg/Kg	SW-846 6010	09/06/95 2127	gef
Copper (Cu)	Solid	337	1	mg/Kg	SW-846 6010	09/06/95 2127	gef
Lead (Pb)	Solid	11	5	mg/Kg	SW-846 6010	09/06/95 2127	gef
Nickel (Ni)	Solid	5	4	mg/Kg	SW-846 6010	09/06/95 2127	gef
Selenium (Se)	Solid	<10	10	mg/Kg	SW-846 6010	09/06/95 2127	gef
Silver (Ag)	Solid	<1	1	mg/Kg	SW-846 6010	09/06/95 2127	gef



CORE LABORATORIES

LABORATORY TESTS RESULTS

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 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-10
 Date Received.....: 08/22/95
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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Thallium (Tl)	Solid	<10	10	mg/Kg	SW-846 6010	09/06/95 2127	gef
Tin (Sn)	Solid	6	5	mg/Kg	SW-846 6010	09/06/95 2127	gef
Vanadium (V)	Solid	10	5	mg/Kg	SW-846 6010	09/06/95 2127	gef
Zinc (Zn)	Solid	282	1	mg/Kg	SW-846 6010	09/06/95 2127	gef
Ultrasonic Extraction		completed		Not Applicable	SW-846 3550	08/30/95	mla
Ultrasonic Extraction		completed	0	Not Applicable	SW-846 3550	08/28/95 0000	mla
Total Recoverable Petroleum Hydrocarbons	Solid	26000	1000	mg/Kg	EPA 418.1	09/11/95 0915	jbd
Cyanide (Colorimetric, Manual)					SW-846 9010		kds
Cyanide (CN)	Solid	1.4	0.4	mg/Kg		08/28/95 1000	
PCB Analysis					SW-846 8080		lb
Aroclor 1016	Solid	ND	1700	ug/Kg		09/13/95 0137	
Aroclor 1221	Solid	ND	1700	ug/Kg		09/13/95 0137	
Aroclor 1232	Solid	ND	1700	ug/Kg		09/13/95 0137	
Aroclor 1242	Solid	ND	1700	ug/Kg		09/13/95 0137	
Aroclor 1248	Solid	ND	1700	ug/Kg		09/13/95 0137	
Aroclor 1254	Solid	ND	1700	ug/Kg		09/13/95 0137	
Aroclor 1260	Solid	ND	1700	ug/Kg		09/13/95 0137	
Aroclor 1262	Solid	ND	1700	ug/Kg		09/13/95 0137	
Aroclor 1268	Solid	ND	1700	ug/Kg		09/13/95 0137	
Semivolatile Organics (Client List)					SW-846 8270		mla
Acenaphthene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Acenaphthylene	Solid	ND	3300	ug/Kg		09/11/95 1946	



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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acetophenone	Solid	ND	3300	ug/Kg		09/11/95 1946	
4-Aminobiphenyl	Solid	ND	3300	ug/Kg		09/11/95 1946	
Aniline	Solid	ND	3300	ug/Kg		09/11/95 1946	
Anthracene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Benzidine	Solid	ND	16500	ug/Kg		09/11/95 1946	
Benzo(a)anthracene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Benzo(b)fluoranthene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Benzo(j)fluoranthene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Benzo(k)fluoranthene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Benzo(ghi)perylene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Benzo(a)pyrene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Benzyl alcohol	Solid	ND	6600	ug/Kg		09/11/95 1946	
Butyl benzyl phthalate	Solid	ND	3300	ug/Kg		09/11/95 1946	
Bis(2-chloroethoxy)methane	Solid	ND	3300	ug/Kg		09/11/95 1946	
Bis(2-chloroethyl)ether	Solid	ND	3300	ug/Kg		09/11/95 1946	
Bis(2-chloroisopropyl)ether	Solid	ND	3300	ug/Kg		09/11/95 1946	
Bis(2-ethylhexyl)phthalate	Solid	ND	3300	ug/Kg		09/11/95 1946	
4-Bromophenyl phenyl ether	Solid	ND	3300	ug/Kg		09/11/95 1946	
4-Chloroaniline	Solid	ND	3300	ug/Kg		09/11/95 1946	
Chlorobenzilate	Solid	ND	3300	ug/Kg		09/11/95 1946	
1-Chloronaphthalene	Solid	ND	3300	ug/Kg		09/11/95 1946	
2-Chloronaphthalene	Solid	ND	3300	ug/Kg		09/11/95 1946	
4-Chlorophenyl phenyl ether	Solid	ND	3300	ug/Kg		09/11/95 1946	
Chrysene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Diallate	Solid	ND	3300	ug/Kg		09/11/95 1946	
Dibenzo(a,j)acridine	Solid	ND	3300	ug/Kg		09/15/95 0246	
Dibenzo(a,h)anthracene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Dibenzofuran	Solid	ND	3300	ug/Kg		09/11/95 1946	
1,2-Dichlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	
1,3-Dichlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	
1,4-Dichlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	



CORE LABORATORIES

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Laboratory Sample ID.: 954165-10
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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
3,3-Dichlorobenzidine	Solid	ND	3300	ug/Kg		09/11/95 1946	
Diethyl phthalate	Solid	ND	3300	ug/Kg		09/11/95 1946	
p-Dimethylaminoazobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Dimethoate	Solid	ND	6600	ug/Kg		09/11/95 1946	
7,12-Dimethylbenz(a)anthracene	Solid	ND	3300	ug/Kg		09/11/95 1946	
alpha, alpha-Dimethylphenethylamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
Dimethyl phthalate	Solid	ND	3300	ug/Kg		09/11/95 1946	
Di-n-butyl phthalate	Solid	ND	3300	ug/Kg		09/11/95 1946	
Di-n-octyl phthalate	Solid	ND	3300	ug/Kg		09/11/95 1946	
2,4-Dinitrotoluene	Solid	ND	3300	ug/Kg		09/11/95 1946	
2,6-Dinitrotoluene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Dinoseb (DNBP)	Solid	ND	3300	ug/Kg		09/11/95 1946	
Diphenylamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
1,2-Diphenylhydrazine	Solid	ND	3300	ug/Kg		09/11/95 1946	
Disulfoton	Solid	ND	3300	ug/Kg		09/11/95 1946	
Ethyl methane sulfonate	Solid	ND	3300	ug/Kg		09/11/95 1946	
Fluoranthene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Fluorene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Hexachlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Hexachlorobutadiene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Hexachlorocyclopentadiene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Hexachloroethane	Solid	ND	3300	ug/Kg		09/11/95 1946	
Hexachlorophene	Solid	ND	3300	ug/Kg		09/15/95 0246	
Hexachloropropene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Indeno(1,2,3-cd)pyrene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Isodrin	Solid	ND	3300	ug/Kg		09/11/95 1946	
Isophorone	Solid	ND	3300	ug/Kg		09/11/95 1946	
Isosafrole	Solid	ND	3300	ug/Kg		09/11/95 1946	
Kepone	Solid	ND	16500	ug/Kg		09/15/95 0246	
Methapyrilene	Solid	ND	3300	ug/Kg		09/11/95 1946	
3-Methylcholanthrene	Solid	ND	3300	ug/Kg		09/11/95 1946	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 1, SE BORING

Sample Date.....: 08/18/95

Sample Time.....: 10:00

Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-10

Date Received.....: 08/22/95

Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Methyl methane sulfonate	Solid	ND	3300	ug/Kg		09/11/95 1946	
2-Methylnaphthalene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Naphthalene	Solid	ND	3300	ug/Kg		09/11/95 1946	
1,4-Naphthoquinone	Solid	ND	3300	ug/Kg		09/11/95 1946	
1-Naphthylamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
2-Naphthylamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
o-Nitroaniline	Solid	ND	16500	ug/Kg		09/11/95 1946	
m-Nitroaniline	Solid	ND	16500	ug/Kg		09/11/95 1946	
p-Nitroaniline	Solid	ND	16500	ug/Kg		09/11/95 1946	
Nitrobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	
4-Nitroquinoline-1-oxide	Solid	ND	3300	ug/Kg		09/11/95 1946	
n-Nitrosodi-n-butylamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
n-Nitrosodiethylamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
n-Nitrosodimethylamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
n-Nitrosomethylethylamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
n-Nitrosomorpholine	Solid	ND	3300	ug/Kg		09/11/95 1946	
n-Nitrosodi-n-propylamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
n-Nitrosodiphenylamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
n-Nitrosopiperidine	Solid	ND	3300	ug/Kg		09/11/95 1946	
n-Nitrosopyrrolidine	Solid	ND	3300	ug/Kg		09/11/95 1946	
5-Nitro-o-toluidine	Solid	ND	3300	ug/Kg		09/11/95 1946	
Ethyl parathion	Solid	ND	3300	ug/Kg		09/11/95 1946	
Pentachlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Pentachloronitrobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Phenacetin	Solid	ND	3300	ug/Kg		09/11/95 1946	
Phenanthrene	Solid	5000	3300	ug/Kg		09/11/95 1946	
p-Phenylenediamine	Solid	ND	3300	ug/Kg		09/11/95 1946	
Phorate	Solid	ND	3300	ug/Kg		09/11/95 1946	
2-Picoline	Solid	ND	3300	ug/Kg		09/11/95 1946	
Pronamide	Solid	ND	3300	ug/Kg		09/11/95 1946	
Pyrene	Solid	ND	3300	ug/Kg		09/11/95 1946	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 1, SE BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 10:00
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-10
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Pyridine	Solid	ND	3300	ug/Kg		09/11/95 1946	
Safrole	Solid	ND	3300	ug/Kg		09/11/95 1946	
1,2,4,5-Tetrachlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	
o-Toluidine	Solid	ND	3300	ug/Kg		09/11/95 1946	
1,2,4-Trichlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	
0,0,0-Triethyl phosphorothioate	Solid	ND	3300	ug/Kg		09/11/95 1946	
1,3,5-Trinitrobenzene	Solid	ND	3300	ug/Kg		09/11/95 1946	
Benzoic acid	Solid	ND	16500	ug/Kg		09/11/95 1946	
4-Chloro-3-methylphenol	Solid	ND	3300	ug/Kg		09/11/95 1946	
2-Chlorophenol	Solid	ND	3300	ug/Kg		09/11/95 1946	
2,4-Dichlorophenol	Solid	ND	3300	ug/Kg		09/11/95 1946	
2,6-Dichlorophenol	Solid	ND	3300	ug/Kg		09/11/95 1946	
2,4-Dimethylphenol	Solid	ND	3300	ug/Kg		09/11/95 1946	
2,4-Dinitrophenol	Solid	ND	16500	ug/Kg		09/11/95 1946	
2-Methyl-4,6-dinitrophenol	Solid	ND	16500	ug/Kg		09/11/95 1946	
2-Methylphenol (o-cresol)	Solid	ND	3300	ug/Kg		09/11/95 1946	
3 & 4 Methylphenol (m&p cresol)	Solid	ND	3300	ug/Kg		09/11/95 1946	
2-Nitrophenol	Solid	ND	3300	ug/Kg		09/11/95 1946	
4-Nitrophenol	Solid	ND	16500	ug/Kg		09/11/95 1946	
Pentachlorophenol	Solid	ND	16500	ug/Kg		09/11/95 1946	
Phenol	Solid	200000	33000	ug/Kg		09/13/95 0041	
2,3,4,6-Tetrachlorophenol	Solid	ND	3300	ug/Kg		09/11/95 1946	
2,4,5-Trichlorophenol	Solid	ND	3300	ug/Kg		09/11/95 1946	
2,4,6-Trichlorophenol	Solid	ND	3300	ug/Kg		09/11/95 1946	
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	500	ug/Kg		08/28/95 1341	
Acrolein	Solid	ND	200	ug/Kg		08/28/95 1341	
Acrylonitrile	Solid	ND	100	ug/Kg		08/28/95 1341	
Acetone	Solid	ND	500	ug/Kg		08/28/95 1341	
Allyl chloride	Solid	ND	100	ug/Kg		08/28/95 1341	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 1, SE BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 10:00
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-10
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Benzene	Solid	850	20	ug/Kg		08/28/95 1341	
Benzyl chloride	Solid	ND	20	ug/Kg		08/28/95 1341	
Bromobenzene	Solid	ND	20	ug/Kg		08/28/95 1341	
Bromochloromethane	Solid	ND	20	ug/Kg		08/28/95 1341	
Bromodichloromethane	Solid	ND	20	ug/Kg		08/28/95 1341	
Bromoform	Solid	ND	20	ug/Kg		08/28/95 1341	
Bromomethane	Solid	ND	50	ug/Kg		08/28/95 1341	
Methyl ethyl ketone (2-Butanone)	Solid	ND	500	ug/Kg		08/28/95 1341	
Carbon disulfide	Solid	60	20	ug/Kg		08/28/95 1341	
Carbon tetrachloride	Solid	ND	20	ug/Kg		08/28/95 1341	
Chlorobenzene	Solid	ND	20	ug/Kg		08/28/95 1341	
Chloroethane	Solid	ND	50	ug/Kg		08/28/95 1341	
2-Chloroethylvinyl ether	Solid	ND	20	ug/Kg		08/28/95 1341	
Chloroform	Solid	ND	20	ug/Kg		08/28/95 1341	
Chloromethane	Solid	ND	20	ug/Kg		08/28/95 1341	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	20	ug/Kg		08/28/95 1341	
Dibromochloromethane	Solid	ND	20	ug/Kg		08/28/95 1341	
1,2-Dibromoethane (EDB)	Solid	ND	20	ug/Kg		08/28/95 1341	
1,2-Dibromo-3-chloropropane	Solid	ND	20	ug/Kg		08/28/95 1341	
Dibromomethane	Solid	ND	20	ug/Kg		08/28/95 1341	
trans-1,4-Dichloro-2-butene	Solid	ND	200	ug/Kg		08/28/95 1341	
Dichlorodifluoromethane	Solid	ND	50	ug/Kg		08/28/95 1341	
1,1-Dichloroethane	Solid	1200	600	ug/Kg		08/31/95 1305	
1,2-Dichloroethane	Solid	ND	20	ug/Kg		08/28/95 1341	
1,1-Dichloroethene	Solid	40	20	ug/Kg		08/28/95 1341	
cis-1,2-Dichloroethene	Solid	ND	20	ug/Kg		08/28/95 1341	
trans-1,2-Dichloroethene	Solid	ND	20	ug/Kg		08/28/95 1341	
1,2-Dichloropropane	Solid	ND	20	ug/Kg		08/28/95 1341	
cis-1,3-Dichloropropene	Solid	ND	20	ug/Kg		08/28/95 1341	
trans-1,3-Dichloropropene	Solid	ND	20	ug/Kg		08/28/95 1341	
Ethylbenzene	Solid	370	20	ug/Kg		08/28/95 1341	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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Customer Sample ID.: PIT 1, SE BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 10:00
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-10
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Ethyl methacrylate	Solid	ND	20	ug/Kg		08/28/95 1341	
2-Hexanone	Solid	460	20	ug/Kg		08/28/95 1341	
Iodomethane	Solid	ND	20	ug/Kg		08/28/95 1341	
Isobutyl alcohol	Solid	ND	200	ug/Kg		08/28/95 1341	
Methylacrylonitrile	Solid	ND	200	ug/Kg		08/28/95 1341	
Methylene chloride	Solid	160	20	ug/Kg		08/28/95 1341	
Methyl methacrylate	Solid	ND	20	ug/Kg		08/28/95 1341	
4-Methyl-2-pentanone (MIBK)	Solid	ND	200	ug/Kg		08/28/95 1341	
Pentachloroethane	Solid	ND	20	ug/Kg		08/28/95 1341	
Propionitrile	Solid	ND	500	ug/Kg		08/28/95 1341	
Styrene	Solid	ND	20	ug/Kg		08/28/95 1341	
1,1,1,2-Tetrachloroethane	Solid	ND	20	ug/Kg		08/28/95 1341	
1,1,2,2-Tetrachloroethane	Solid	ND	20	ug/Kg		08/28/95 1341	
Tetrachloroethene	Solid	40	20	ug/Kg		08/28/95 1341	
Toluene	Solid	9100	600	ug/Kg		08/31/95 1305	
1,1,1-Trichloroethane	Solid	16000	600	ug/Kg		08/31/95 1305	
1,1,2-Trichloroethane	Solid	ND	20	ug/Kg		08/28/95 1341	
Trichloroethene	Solid	ND	20	ug/Kg		08/28/95 1341	
Trichlorofluoromethane	Solid	ND	50	ug/Kg		08/28/95 1341	
1,2,3-Trichloropropane	Solid	ND	20	ug/Kg		08/28/95 1341	
Vinyl acetate	Solid	7000	6000	ug/Kg		08/31/95 1305	
Vinyl chloride	Solid	ND	50	ug/Kg		08/28/95 1341	
Xylenes (total)	Solid	2400	20	ug/Kg		08/28/95 1341	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 1, NW BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 11:36
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-11
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Sulfide	Solid	1800	50	mg/Kg	SW-846 9030	09/05/95 0800	* cc
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/30/95 1000	lmt
Mercury (Hg)	Solid	0.59	0.10	mg/Kg	SW-846 7471	09/01/95 1134	lmt
Aluminum (Al)	Solid	5950	50	mg/Kg	SW-846 6010	09/06/95 2153	gef
Antimony (Sb)	Solid	10	10	mg/Kg	SW-846 6010	09/06/95 2150	gef
Arsenic (As)	Solid	9	5	mg/Kg	SW-846 6010	09/06/95 2150	gef
Barium (Ba)	Solid	415	1	mg/Kg	SW-846 6010	09/06/95 2150	gef
Beryllium (Be)	Solid	<0.5	0.5	mg/Kg	SW-846 6010	09/06/95 2150	gef
Cadmium (Cd)	Solid	<0.5	0.5	mg/Kg	SW-846 6010	09/06/95 2150	gef
Chromium (Cr)	Solid	9	1	mg/Kg	SW-846 6010	09/06/95 2150	gef
Cobalt (Co)	Solid	<3	3	mg/Kg	SW-846 6010	09/06/95 2150	gef
Copper (Cu)	Solid	144	1	mg/Kg	SW-846 6010	09/06/95 2150	gef
Lead (Pb)	Solid	<5	5	mg/Kg	SW-846 6010	09/06/95 2150	gef
Nickel (Ni)	Solid	9	4	mg/Kg	SW-846 6010	09/06/95 2150	gef
Selenium (Se)	Solid	<10	10	mg/Kg	SW-846 6010	09/06/95 2150	gef
Silver (Ag)	Solid	<1	1	mg/Kg	SW-846 6010	09/06/95 2150	gef



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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CUSTOMER: Daniel B. Stevens & Associates

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Customer Sample ID.: PIT 1, NW BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 11:36
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-11
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Thallium (Tl)	Solid	<10	10	mg/Kg	SW-846 6010	09/06/95 2150	gef
Tin (Sn)	Solid	<5	5	mg/Kg	SW-846 6010	09/06/95 2150	gef
Vanadium (V)	Solid	14	5	mg/Kg	SW-846 6010	09/06/95 2150	gef
Zinc (Zn)	Solid	97	1	mg/Kg	SW-846 6010	09/06/95 2150	gef
Ultrasonic Extraction		completed		Not Applicable	SW-846 3550	08/30/95	mla
Ultrasonic Extraction		completed	0	Not Applicable	SW-846 3550	08/28/95 0000	mla
Total Recoverable Petroleum Hydrocarbons	Solid	4700	200	mg/Kg	EPA 418.1	09/11/95 0915	jbd
Cyanide (Colorimetric, Manual) Cyanide (CN)	Solid	1.1	0.4	mg/Kg	SW-846 9010	08/28/95 1000	kds
PCB Analysis					SW-846 8080		lb
Aroclor 1016	Solid	ND	1700	ug/Kg		09/13/95 0206	
Aroclor 1221	Solid	ND	1700	ug/Kg		09/13/95 0206	
Aroclor 1232	Solid	ND	1700	ug/Kg		09/13/95 0206	
Aroclor 1242	Solid	ND	1700	ug/Kg		09/13/95 0206	
Aroclor 1248	Solid	ND	1700	ug/Kg		09/13/95 0206	
Aroclor 1254	Solid	ND	1700	ug/Kg		09/13/95 0206	
Aroclor 1260	Solid	ND	1700	ug/Kg		09/13/95 0206	
Aroclor 1262	Solid	ND	1700	ug/Kg		09/13/95 0206	
Aroclor 1268	Solid	ND	1700	ug/Kg		09/13/95 0206	
Semivolatile Organics (Client List)					SW-846 8270		mla
Acenaphthene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Acenaphthylene	Solid	ND	3300	ug/Kg		09/11/95 2043	



CORE LABORATORIES

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Sample Date.....: 08/18/95

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Laboratory Sample ID.: 954165-11

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Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acetophenone	Solid	ND	3300	ug/Kg		09/11/95 2043	
4-Aminobiphenyl	Solid	ND	3300	ug/Kg		09/11/95 2043	
Aniline	Solid	ND	3300	ug/Kg		09/11/95 2043	
Anthracene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Benzidine	Solid	ND	16500	ug/Kg		09/11/95 2043	
Benzo(a)anthracene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Benzo(b)fluoranthene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Benzo(j)fluoranthene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Benzo(k)fluoranthene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Benzo(ghi)perylene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Benzo(a)pyrene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Benzyl alcohol	Solid	ND	6600	ug/Kg		09/11/95 2043	
Butyl benzyl phthalate	Solid	ND	3300	ug/Kg		09/11/95 2043	
Bis(2-chloroethoxy)methane	Solid	ND	3300	ug/Kg		09/11/95 2043	
Bis(2-chloroethyl)ether	Solid	ND	3300	ug/Kg		09/11/95 2043	
Bis(2-chloroisopropyl)ether	Solid	ND	3300	ug/Kg		09/11/95 2043	
Bis(2-ethylhexyl)phthalate	Solid	4800	3300	ug/Kg		09/11/95 2043	
4-Bromophenyl phenyl ether	Solid	ND	3300	ug/Kg		09/11/95 2043	
4-Chloroaniline	Solid	ND	3300	ug/Kg		09/11/95 2043	
Chlorobenzilate	Solid	ND	3300	ug/Kg		09/11/95 2043	
1-Chloronaphthalene	Solid	ND	3300	ug/Kg		09/11/95 2043	
2-Chloronaphthalene	Solid	ND	3300	ug/Kg		09/11/95 2043	
4-Chlorophenyl phenyl ether	Solid	ND	3300	ug/Kg		09/11/95 2043	
Chrysene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Diallate	Solid	ND	3300	ug/Kg		09/11/95 2043	
Dibenzo(a,j)acridine	Solid	ND	3300	ug/Kg		09/15/95 0314	
Dibenzo(a,h)anthracene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Dibenzofuran	Solid	ND	3300	ug/Kg		09/11/95 2043	
1,2-Dichlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	
1,3-Dichlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	
1,4-Dichlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	



CORE LABORATORIES

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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
3,3-Dichlorobenzidine	Solid	ND	3300	ug/Kg		09/11/95 2043	
Diethyl phthalate	Solid	ND	3300	ug/Kg		09/11/95 2043	
p-Dimethylaminoazobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Dimethoate	Solid	ND	6600	ug/Kg		09/11/95 2043	
7,12-Dimethylbenz(a)anthracene	Solid	ND	3300	ug/Kg		09/11/95 2043	
alpha, alpha-Dimethylphenethylamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
Dimethyl phthalate	Solid	ND	3300	ug/Kg		09/11/95 2043	
Di-n-butyl phthalate	Solid	ND	3300	ug/Kg		09/11/95 2043	
Di-n-octyl phthalate	Solid	ND	3300	ug/Kg		09/11/95 2043	
2,4-Dinitrotoluene	Solid	ND	3300	ug/Kg		09/11/95 2043	
2,6-Dinitrotoluene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Dinoseb (DNBP)	Solid	ND	3300	ug/Kg		09/11/95 2043	
Diphenylamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
1,2-Diphenylhydrazine	Solid	ND	3300	ug/Kg		09/11/95 2043	
Disulfoton	Solid	ND	3300	ug/Kg		09/11/95 2043	
Ethyl methane sulfonate	Solid	ND	3300	ug/Kg		09/11/95 2043	
Fluoranthene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Fluorene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Hexachlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Hexachlorobutadiene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Hexachlorocyclopentadiene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Hexachloroethane	Solid	ND	3300	ug/Kg		09/11/95 2043	
Hexachlorophene	Solid	ND	3300	ug/Kg		09/15/95 0314	
Hexachloropropene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Indeno(1,2,3-cd)pyrene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Isodrin	Solid	ND	3300	ug/Kg		09/11/95 2043	
Isophorone	Solid	ND	3300	ug/Kg		09/11/95 2043	
Isosafrole	Solid	ND	3300	ug/Kg		09/11/95 2043	
Kepone	Solid	ND	16500	ug/Kg		09/15/95 0314	
Methapyrilene	Solid	ND	3300	ug/Kg		09/11/95 2043	
3-Methylcholanthrene	Solid	ND	3300	ug/Kg		09/11/95 2043	



CORE LABORATORIES

LABORATORY TESTS RESULTS

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JOB NUMBER: 954165

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: PIT 1, NW BORING
 Sample Date.....: 08/18/95
 Sample Time.....: 11:36
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-11
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Methyl methane sulfonate	Solid	ND	3300	ug/Kg		09/11/95 2043	
2-Methylnaphthalene	Solid	4800	3300	ug/Kg		09/11/95 2043	
Naphthalene	Solid	ND	3300	ug/Kg		09/11/95 2043	
1,4-Naphthoquinone	Solid	ND	3300	ug/Kg		09/11/95 2043	
1-Naphthylamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
2-Naphthylamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
o-Nitroaniline	Solid	ND	16500	ug/Kg		09/11/95 2043	
m-Nitroaniline	Solid	ND	16500	ug/Kg		09/11/95 2043	
p-Nitroaniline	Solid	ND	16500	ug/Kg		09/11/95 2043	
Nitrobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	
4-Nitroquinoline-1-oxide	Solid	ND	3300	ug/Kg		09/11/95 2043	
n-Nitrosodi-n-butylamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
n-Nitrosodiethylamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
n-Nitrosodimethylamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
n-Nitrosomethylethylamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
n-Nitrosomorpholine	Solid	ND	3300	ug/Kg		09/11/95 2043	
n-Nitrosodi-n-propylamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
n-Nitrosodiphenylamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
n-Nitrosopiperidine	Solid	ND	3300	ug/Kg		09/11/95 2043	
n-Nitrosopyrrolidine	Solid	ND	3300	ug/Kg		09/11/95 2043	
5-Nitro-o-toluidine	Solid	ND	3300	ug/Kg		09/11/95 2043	
Ethyl parathion	Solid	ND	3300	ug/Kg		09/11/95 2043	
Pentachlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Pentachloronitrobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Phenacetin	Solid	ND	3300	ug/Kg		09/11/95 2043	
Phenanthrene	Solid	5600	3300	ug/Kg		09/11/95 2043	
p-Phenylenediamine	Solid	ND	3300	ug/Kg		09/11/95 2043	
Phorate	Solid	ND	3300	ug/Kg		09/11/95 2043	
2-Picoline	Solid	ND	3300	ug/Kg		09/11/95 2043	
Pronamide	Solid	ND	3300	ug/Kg		09/11/95 2043	
Pyrene	Solid	ND	3300	ug/Kg		09/11/95 2043	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

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ATTN: Jeff Forbes

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 Sample Date.....: 08/18/95
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 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-11
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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Pyridine	Solid	ND	3300	ug/Kg		09/11/95 2043	
Safrole	Solid	ND	3300	ug/Kg		09/11/95 2043	
1,2,4,5-Tetrachlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	
o-Toluidine	Solid	ND	3300	ug/Kg		09/11/95 2043	
1,2,4-Trichlorobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	
0,0,0-Triethyl phosphorothioate	Solid	ND	3300	ug/Kg		09/11/95 2043	
1,3,5-Trinitrobenzene	Solid	ND	3300	ug/Kg		09/11/95 2043	
Benzoic acid	Solid	ND	16500	ug/Kg		09/11/95 2043	
4-Chloro-3-methylphenol	Solid	ND	3300	ug/Kg		09/11/95 2043	
2-Chlorophenol	Solid	ND	3300	ug/Kg		09/11/95 2043	
2,4-Dichlorophenol	Solid	ND	3300	ug/Kg		09/11/95 2043	
2,6-Dichlorophenol	Solid	ND	3300	ug/Kg		09/11/95 2043	
2,4-Dimethylphenol	Solid	ND	3300	ug/Kg		09/11/95 2043	
2,4-Dinitrophenol	Solid	ND	16500	ug/Kg		09/11/95 2043	
2-Methyl-4,6-dinitrophenol	Solid	ND	16500	ug/Kg		09/11/95 2043	
2-Methylphenol (o-cresol)	Solid	ND	3300	ug/Kg		09/11/95 2043	
3 & 4 Methylphenol (m&p cresol)	Solid	ND	3300	ug/Kg		09/11/95 2043	
2-Nitrophenol	Solid	ND	3300	ug/Kg		09/11/95 2043	
4-Nitrophenol	Solid	ND	16500	ug/Kg		09/11/95 2043	
Pentachlorophenol	Solid	ND	16500	ug/Kg		09/11/95 2043	
Phenol	Solid	30000	3300	ug/Kg		09/11/95 2043	
2,3,4,6-Tetrachlorophenol	Solid	ND	3300	ug/Kg		09/11/95 2043	
2,4,5-Trichlorophenol	Solid	ND	3300	ug/Kg		09/11/95 2043	
2,4,6-Trichlorophenol	Solid	ND	3300	ug/Kg		09/11/95 2043	
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	500	ug/Kg		08/28/95 1413	
Acrolein	Solid	ND	200	ug/Kg		08/28/95 1413	
Acrylonitrile	Solid	ND	100	ug/Kg		08/28/95 1413	
Acetone	Solid	1400	500	ug/Kg		08/28/95 1413	
Allyl chloride	Solid	ND	100	ug/Kg		08/28/95 1413	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954165

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 Sample Date.....: 08/18/95
 Sample Time.....: 11:36
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-11
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Benzene	Solid	210	20	ug/Kg		08/28/95 1413	
Benzyl chloride	Solid	ND	20	ug/Kg		08/28/95 1413	
Bromobenzene	Solid	ND	20	ug/Kg		08/28/95 1413	
Bromochloromethane	Solid	ND	20	ug/Kg		08/28/95 1413	
Bromodichloromethane	Solid	ND	20	ug/Kg		08/28/95 1413	
Bromoform	Solid	ND	20	ug/Kg		08/28/95 1413	
Bromomethane	Solid	ND	50	ug/Kg		08/28/95 1413	
Methyl ethyl ketone (2-Butanone)	Solid	ND	500	ug/Kg		08/28/95 1413	
Carbon disulfide	Solid	ND	20	ug/Kg		08/28/95 1413	
Carbon tetrachloride	Solid	ND	20	ug/Kg		08/28/95 1413	
Chlorobenzene	Solid	ND	20	ug/Kg		08/28/95 1413	
Chloroethane	Solid	ND	50	ug/Kg		08/28/95 1413	
2-Chloroethylvinyl ether	Solid	ND	20	ug/Kg		08/28/95 1413	
Chloroform	Solid	ND	20	ug/Kg		08/28/95 1413	
Chloromethane	Solid	ND	20	ug/Kg		08/28/95 1413	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	20	ug/Kg		08/28/95 1413	
Dibromochloromethane	Solid	ND	20	ug/Kg		08/28/95 1413	
1,2-Dibromoethane (EDB)	Solid	ND	20	ug/Kg		08/28/95 1413	
1,2-Dibromo-3-chloropropane	Solid	ND	20	ug/Kg		08/28/95 1413	
Dibromomethane	Solid	ND	20	ug/Kg		08/28/95 1413	
trans-1,4-Dichloro-2-butene	Solid	ND	200	ug/Kg		08/28/95 1413	
Dichlorodifluoromethane	Solid	ND	50	ug/Kg		08/28/95 1413	
1,1-Dichloroethane	Solid	1000	20	ug/Kg		08/28/95 1413	
1,2-Dichloroethane	Solid	ND	20	ug/Kg		08/28/95 1413	
1,1-Dichloroethene	Solid	40	20	ug/Kg		08/28/95 1413	
cis-1,2-Dichloroethene	Solid	ND	20	ug/Kg		08/28/95 1413	
trans-1,2-Dichloroethene	Solid	ND	20	ug/Kg		08/28/95 1413	
1,2-Dichloropropane	Solid	ND	20	ug/Kg		08/28/95 1413	
cis-1,3-Dichloropropene	Solid	ND	20	ug/Kg		08/28/95 1413	
trans-1,3-Dichloropropene	Solid	ND	20	ug/Kg		08/28/95 1413	
Ethylbenzene	Solid	40	20	ug/Kg		08/28/95 1413	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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 Sample Date.....: 08/18/95
 Sample Time.....: 11:36
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-11
 Date Received.....: 08/22/95
 Time Received.....: 10:15

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Ethyl methacrylate	Solid	ND	20	ug/Kg		08/28/95 1413	
2-Hexanone	Solid	ND	20	ug/Kg		08/28/95 1413	
Iodomethane	Solid	ND	20	ug/Kg		08/28/95 1413	
Isobutyl alcohol	Solid	ND	200	ug/Kg		08/28/95 1413	
Methylacrylonitrile	Solid	ND	200	ug/Kg		08/28/95 1413	
Methylene chloride	Solid	ND	20	ug/Kg		08/28/95 1413	
Methyl methacrylate	Solid	ND	20	ug/Kg		08/28/95 1413	
4-Methyl-2-pentanone (MIBK)	Solid	ND	200	ug/Kg		08/28/95 1413	
Pentachloroethane	Solid	ND	20	ug/Kg		08/28/95 1413	
Propionitrile	Solid	ND	500	ug/Kg		08/28/95 1413	
Styrene	Solid	ND	20	ug/Kg		08/28/95 1413	
1,1,1,2-Tetrachloroethane	Solid	ND	20	ug/Kg		08/28/95 1413	
1,1,2,2-Tetrachloroethane	Solid	ND	20	ug/Kg		08/28/95 1413	
Tetrachloroethene	Solid	ND	20	ug/Kg		08/28/95 1413	
Toluene	Solid	500	20	ug/Kg		08/28/95 1413	
1,1,1-Trichloroethane	Solid	1900	600	ug/Kg		08/31/95 1336	
1,1,2-Trichloroethane	Solid	ND	20	ug/Kg		08/28/95 1413	
Trichloroethene	Solid	ND	20	ug/Kg		08/28/95 1413	
Trichlorofluoromethane	Solid	ND	50	ug/Kg		08/28/95 1413	
1,2,3-Trichloropropane	Solid	ND	20	ug/Kg		08/28/95 1413	
Vinyl acetate	Solid	200	200	ug/Kg		08/28/95 1413	
Vinyl chloride	Solid	ND	50	ug/Kg		08/28/95 1413	
Xylenes (total)	Solid	270	20	ug/Kg		08/28/95 1413	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Cyanide (Colorimetric, Manual)
Method Code.....: 9010
Batch Code.....: 1633

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: kds
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICL	Initial Calibration/Lab Control Sample	G950828A			200	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Cyanide (CN)	0.02	0.47	0.5000000			94.0	

ICB	Initial Calibration Blank					08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Cyanide (CN)	0.02	0.00				

DSC	Distilled Std. Check	G950712A			200	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Cyanide (CN)	0.02	0.47	0.5000000			94.0	

MB	Method Blank					08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Cyanide (CN)	0.02	0.00				

MD	Method Duplicate		954172-1	Unfiltered		08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Cyanide (CN)	0.02	0.00		0.00				0	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Cyanide (Colorimetric, Manual)
Method Code.....: 9010
Batch Code.....: 1633

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: kds
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	G950828A	954172-1	Unfiltered	400	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Cyanide (CN)	0.02	0.24	0.2500000	0.00		96.0	

CCV	Continuing Calibration Verification	G950828A				333.333	08/28/95 1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Cyanide (CN)	0.02	0.29	0.3000003			96.7	

CCB	Continuing Calibration Blank						08/28/95 1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Cyanide (CN)	0.02	0.00				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Extraction (Ultrasonic) PCBs
Method Code.....: 3550PC
Batch Code.....: 1674

Status.....: RPT
QC Code.....: 8000
Units.....:

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: mla
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike		954165-8			08/30/95	
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Ultrasonic Extraction		completed		completed			

MB	Method Blank					08/30/95	
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Ultrasonic Extraction		completed				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Extraction (Ultrasonic) SVOCs
Method Code.....: 3550
Batch Code.....: 1690

Status.....: RPT
QC Code.....: 8000
Units.....:

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: mla
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike		954186-2			08/28/95	
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Ultrasonic Extraction	0	completed		completed			

MSD	Matrix Spike Duplicate		954186-2			08/28/95	
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag	RPD	Flag
Ultrasonic Extraction	0	completed		completed					

MB	Method Blank					08/28/95	
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Ultrasonic Extraction	0	completed				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1701

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst : gag
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICV	Initial Calibration Verification	950531B				08/31/95	1744
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	1.84906	2.00			92.5	
Chromium (Cr)	0.01	1.88167	2.00			94.1	
Lead (Pb)	0.05	1.84582	2.00			92.3	

ICV	Initial Calibration Verification	1206H				08/31/95	1747
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Barium (Ba)	0.01	2.01792	2.00			100.9	

ICB	Initial Calibration Blank	950815J				08/31/95	1807
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Arsenic (As)	0.05	0.02332				
Barium (Ba)	0.01	0.00000				
Chromium (Cr)	0.01	-0.00415				
Lead (Pb)	0.05	0.03089				

ISB	Interference Check Sample B	950816E				08/31/95	1827
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	1.08061	1.000			108.1	
Barium (Ba)	0.01	0.49560	0.5000			99.1	
Chromium (Cr)	0.01	0.45985	0.5000			92.0	
Lead (Pb)	0.05	1.01665	1.000			101.7	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1701

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst : gag
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	0831				08/31/95	1838
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Arsenic (As)	0.05	0.01238				
Barium (Ba)	0.01	0.00077				
Chromium (Cr)	0.01	-0.00415				
Lead (Pb)	0.05	0.02088				

LCS	Laboratory Control Sample	950614J				08/31/95	1841
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	0.78433	.824			95.2	
Barium (Ba)	0.01	2.09640	2.38			88.1	
Chromium (Cr)	0.01	1.47530	1.67			88.3	
Lead (Pb)	0.05	1.36503	1.62			84.3	

CCV	Continuing Calibration Verification	950505D				08/31/95	1921
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	2.28970	2.5			91.6	
Barium (Ba)	0.01	4.78511	5.0			95.7	
Chromium (Cr)	0.01	2.32704	2.5			93.1	
Lead (Pb)	0.05	2.27115	2.5			90.8	

CCB	Continuing Calibration Blank					08/31/95	1949
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Arsenic (As)	0.05	0.00305				
Barium (Ba)	0.01	-0.00077				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.: 6010

Batch Code.: 1701

Status.: RPT

QC Code.: MET

Units.: mg/L

Calc Code.:

Equipment Code.: ICP

Import Code.: ICP01

Analyst : gag

Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					08/31/95	1949
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Chromium (Cr)	0.01	-0.00414				
Lead (Pb)	0.05	0.01966				

MD	Method Duplicate		954165-1	Solid		08/31/95	2011
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Arsenic (As)	0.05	0.03674		-0.01984				0.05658	
Barium (Ba)	0.01	3.29714		3.25988		1			
Chromium (Cr)	0.01	0.06585		0.07055		7			
Lead (Pb)	0.05	-0.01771		0.01589				0.03360	

MS	Matrix Spike	950821D	954165-2	Solid		08/31/95	2040
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	0.85764	1.000	0.08238		77.5	
Barium (Ba)	0.01	2.93814	1.000	2.16195		77.6	
Chromium (Cr)	0.01	1.01635	1.000	0.16698		84.9	
Lead (Pb)	0.05	1.03419	1.000	0.19027		84.4	

PDS	Post Digestion Spike	950821D	954165-2	Solid		08/31/95	2046
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Chromium (Cr)	0.01	0.94689	1.000	0.16698		78.0	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1701

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gag
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950505D				08/31/95	2056
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	2.36726	2.5			94.7	
Barium (Ba)	0.01	4.67845	5.0			93.6	
Chromium (Cr)	0.01	2.44865	2.5			97.9	
Lead (Pb)	0.05	2.50400	2.5			100.2	

CCB	Continuing Calibration Blank					08/31/95	2106
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Arsenic (As)	0.05	0.00797				
Barium (Ba)	0.01	0.00000				
Chromium (Cr)	0.01	0.00414				
Lead (Pb)	0.05	0.00840				

MB	Method Blank	0831				08/31/95	2142
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Arsenic (As)	0.05	0.00631				
Barium (Ba)	0.01	0.00000				
Chromium (Cr)	0.01	0.00276				
Lead (Pb)	0.05	-0.01975				

SB	Spiked Blank	950821D				08/31/95	2145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	0.99664	1.000			99.7	
Barium (Ba)	0.01	0.98963	1.000			99.0	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1701

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst .: gag
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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SB	Spiked Blank	950821D				08/31/95	2145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Chromium (Cr)	0.01	0.99782	1.000			99.8	
Lead (Pb)	0.05	1.07116	1.000			107.1	

CCV	Continuing Calibration Verification	950505D				08/31/95	2201
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	2.31467	2.5			92.6	
Barium (Ba)	0.01	4.76784	5.0			95.4	
Chromium (Cr)	0.01	2.32378	2.5			93.0	
Lead (Pb)	0.05	2.25595	2.5			90.2	

CCB	Continuing Calibration Blank					08/31/95	2221
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Arsenic (As)	0.05	0.02380				
Barium (Ba)	0.01	0.00019				
Chromium (Cr)	0.01	-0.00138				
Lead (Pb)	0.05	0.00282				

SBD	Spiked Blank Duplicate	950821D				08/31/95	2224
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag	RPD	Flag
Arsenic (As)	0.05	1.03733	1.000		0.99664	103.7		4.0	
Barium (Ba)	0.01	1.00102	1.000		0.98963	100.1		1.1	
Chromium (Cr)	0.01	1.02282	1.000		0.99782	102.3		2.5	
Lead (Pb)	0.05	1.08760	1.000		1.07116	108.8		1.5	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1701

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gag
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954145-3	Wipe		08/31/95	2230
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Arsenic (As)	0.05	-0.00828		-0.01194				0.00366	
Barium (Ba)	0.01	0.10537		0.10672		1			
Chromium (Cr)	0.01	0.45440		0.45579		0			
Lead (Pb)	0.05	0.02244		0.04229				0.01985	

PDS	Post Digestion Spike	950821D	954121-41	Wipe		08/31/95	2246
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	0.99291	1.000	-0.03090		102.4	
Barium (Ba)	0.01	0.95101	1.000	0.00424		94.7	
Chromium (Cr)	0.01	0.95776	1.000	0.00430		95.3	
Lead (Pb)	0.05	1.01685	1.000	0.00292		101.4	

CCV	Continuing Calibration Verification	950505D				08/31/95	2300
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	2.31443	2.5			92.6	
Barium (Ba)	0.01	4.80008	5.0			96.0	
Chromium (Cr)	0.01	2.33621	2.5			93.4	
Lead (Pb)	0.05	2.25869	2.5			90.3	

CCB	Continuing Calibration Blank					08/31/95	2304
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Arsenic (As)	0.05	-0.02015				
Barium (Ba)	0.01	0.00000				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1701

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst ...: gag
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					08/31/95	2304
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Chromium (Cr)	0.01	0.00138				
Lead (Pb)	0.05	-0.00012				

CCV	Continuing Calibration Verification	950505D				08/31/95	2338
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	2.32102	2.5			92.8	
Barium (Ba)	0.01	4.79641	5.0			95.9	
Chromium (Cr)	0.01	2.32521	2.5			93.0	
Lead (Pb)	0.05	2.25523	2.5			90.2	

CCB	Continuing Calibration Blank					08/31/95	2342
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Arsenic (As)	0.05	-0.01685				
Barium (Ba)	0.01	-0.00038				
Chromium (Cr)	0.01	0.00138				
Lead (Pb)	0.05	0.00563				

ISB	Interference Check Sample B	950816E				08/31/95	2357
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	1.13453	1.000			113.5	
Barium (Ba)	0.01	0.48851	0.5000			97.7	
Chromium (Cr)	0.01	0.47480	0.5000			95.0	
Lead (Pb)	0.05	1.15402	1.000			115.4	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1701

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst : gag
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950505D				09/01/95	0008
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	2.35194	2.5			94.1	
Barium (Ba)	0.01	4.74737	5.0			94.9	
Chromium (Cr)	0.01	2.34514	2.5			93.8	
Lead (Pb)	0.05	2.30495	2.5			92.2	

CCB	Continuing Calibration Blank	950815J				09/01/95	0011
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Arsenic (As)	0.05	0.00359				
Barium (Ba)	0.01	0.00038				
Chromium (Cr)	0.01	-0.00138				
Lead (Pb)	0.05	-0.01426				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Acid Digestion: Solids
Method Code.....: 3050
Batch Code.....: 1707

Status.....: RPT
QC Code.....: MET
Units.....:

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					08/30/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Acid Digestion: Solids	0	completed				

LCS	Laboratory Control Sample	950614J				08/30/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed					

LCS	Laboratory Control Sample	950614J				08/30/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed					

MS	Matrix Spike	950821D	954162-2	Solid		08/30/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed		completed			

MS	Matrix Spike	950821D	954162-2	Solid		08/30/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed		completed	completed		



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Acid Digestion: Solids
Method Code.....: 3050
Batch Code.....: 1707

Status.....: RPT
QC Code.....: MET
Units.....:

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954168-9	Solid		08/30/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Acid Digestion: Solids	0	completed		completed					

SB	Spiked Blank						08/30/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed					

SBD	Spiked Blank Duplicate						08/30/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag	RPD	Flag
Acid Digestion: Solids	0	completed							



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Acid Digestion: Solids
Method Code.: 3050
Batch Code.: 1709

Status.: RPT
QC Code.: MET
Units.:

Calc Code.:
Equipment Code.:
Import Code.:

Analyst : lmt
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					08/31/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Acid Digestion: Solids	0	completed				

LCS	Laboratory Control Sample	950614J				08/31/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed					

SB	Spiked Blank					08/31/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed					

MD	Method Duplicate		954165-1			08/31/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Acid Digestion: Solids	0	completed		completed					

MS	Matrix Spike	950821D	954165-2			08/31/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed		completed			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
 Method Code.....: 7470
 Batch Code.....: 1720

Status.....: RPT
 QC Code.....: MET
 Units.....: mg/L

Calc Code.....:
 Equipment Code...:
 Import Code.....:

Analyst: lmt
 Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICV	Initial Calibration Verification	1121H			10	09/01/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00385	0.0040000			96.2	

ICB	Initial Calibration Blank					09/01/95	1002
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00011				

MD	Method Duplicate		954202-1	Total		09/01/95	1006
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Mercury (Hg)	0.0002	0.00338		0.00338		0			

MS	Matrix Spike	950831G	954140-1	Total	20	09/01/95	1010
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00502	0.0050000	0.00076		85.2	

MD	Method Duplicate		954168-12	Dissolved		09/01/95	1019
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Mercury (Hg)	0.0002	0.00079		0.00079				0.00000	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.: 7470
Batch Code.: 1720

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst ...: lmt
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	950831G	954168-13	Dissolved	20	09/01/95	1023
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00591	0.0050000	0.00070		104.2	

CCV	Continuing Calibration Verification	1013P			4000	09/01/95	1025
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00264	0.0025000			105.6	

CCB	Continuing Calibration Blank					09/01/95	1027
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00017				

LCS	Laboratory Control Sample	950614J				09/01/95	1033
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00185	0.00192			96.4	

LCS	Laboratory Control Sample	950614J				09/01/95	1035
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00197	0.00192			102.6	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.....: 7470
Batch Code.....: 1720

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954162-1	Solid		09/01/95	1040
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Mercury (Hg)	0.0002	0.00029		0.00032				0.00003	

MS	Matrix Spike	950901H	954162-2	Solid		09/01/95	1044
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00538	0.00500	0.00017		104.2	

CCV	Continuing Calibration Verification	1013P				4000	09/01/95	1050
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00232	0.0025000			92.8	

CCB	Continuing Calibration Blank						09/01/95	1052
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00014				

MD	Method Duplicate		954165-1	Solid		09/01/95	1107
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Mercury (Hg)	0.0002	0.00017		0.00017				0.00000	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.: 7470
Batch Code.: 1720

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: lmt
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	950901H	954165-2	Solid		09/01/95	1111
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00520	0.00500	0.00020		100.0	

CCV	Continuing Calibration Verification	1013P				4000	09/01/95 1115
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00270	0.0025000			108.0	

CCB	Continuing Calibration Blank						09/01/95 1117
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00009				

CCV	Continuing Calibration Verification	1013P				4000	09/01/95 1140
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00255	0.0025000			102.0	

CCB	Continuing Calibration Blank						09/01/95 1142
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00011				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.....: 7470
Batch Code.....: 1720

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					09/01/95	1159
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00014				

CCV	Continuing Calibration Verification	1013P			4000	09/01/95	1200
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00235	0.0025000			94.0	

CCB	Continuing Calibration Blank					09/01/95	1203
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00014				

MB	Method Blank					09/01/95	1209
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00009				

EB	Extraction Blank					09/01/95	1211
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00006				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.: 7470
Batch Code.: 1720

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst : lmt
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ED	Extraction Duplicate		954129-2	Total		09/01/95	1215
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Mercury (Hg)	0.0002	0.00029		0.00026				0.00003	

MD	Method Duplicate		954129-2	Total		09/01/95	1217
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Mercury (Hg)	0.0002	0.00032		0.00026				0.00006	

CCV	Continuing Calibration Verification	1013P				4000	09/01/95	1222
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00258	0.0025000			103.2	

CCB	Continuing Calibration Blank						09/01/95	1224
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00011				

PDS	Post Digestion Spike	1013P	954121-41	Total	4000	09/01/95	1226
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00270	0.0025000	0.00014		102.4	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.: 7470
Batch Code.: 1720

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: lmt
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	1013P			4000	09/01/95	1228
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00273	0.0025000			109.2	

CCB	Continuing Calibration Blank					09/01/95	1230
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00011				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1803

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank			Solid		08/24/95	1412
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Acetonitrile	100	ND				
Acrolein	50	ND				
Acrylonitrile	20	ND				
Acetone	100	ND				
Allyl chloride	20	ND				
Benzene	5	ND				
Benzyl chloride	5	ND				
Bromobenzene	5	ND				
Bromochloromethane	5	ND				
Bromodichloromethane	5	ND				
Bromoform	5	ND				
Bromomethane	10	ND				
Methyl ethyl ketone (2-Butanone)	100	ND				
Carbon disulfide	5	ND				
Carbon tetrachloride	5	ND				
Chlorobenzene	5	ND				
Chloroethane	10	ND				
2-Chloroethylvinyl ether	5	ND				
Chloroform	5	ND				
Chloromethane	5	ND				
2-Chloro-1,3-butadiene (chloroprene)	5	ND				
Dibromochloromethane	5	ND				
1,2-Dibromoethane (EDB)	20	ND				
1,2-Dibromo-3-chloropropane	20	ND				
Dibromomethane	5	ND				
trans-1,4-Dichloro-2-butene	50	ND				
Dichlorodifluoromethane	10	ND				
1,1-Dichloroethane	5	ND				
1,2-Dichloroethane	5	ND				
1,1-Dichloroethene	5	ND				
cis-1,2-Dichloroethene	5	ND				
trans-1,2-Dichloroethene	5	ND				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
 Method Code.....: 8240C
 Batch Code.....: 1803

Status.....: RPT
 QC Code.....: 8000
 Units.....: ug/L

Calc Code.....:
 Equipment Code...:
 Import Code.....:

Analyst: bfr
 Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank				Solid		08/24/95 1412
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
1,2-Dichloropropane	5	ND				
cis-1,3-Dichloropropene	5	ND				
trans-1,3-Dichloropropene	5	ND				
Ethylbenzene	5	ND				
Ethyl methacrylate	5	ND				
2-Hexanone	50	ND				
Iodomethane	5	ND				
Isobutyl alcohol	50	ND				
Methylacrylonitrile	50	ND				
Methylene chloride	5	ND				
Methyl methacrylate	5	ND				
4-Methyl-2-pentanone (MIBK)	50	ND				
Pentachloroethane	5	ND				
Propionitrile	100	ND				
Styrene	5	ND				
1,1,1,2-Tetrachloroethane	5	ND				
1,1,2,2-Tetrachloroethane	5	ND				
Tetrachloroethene	5	ND				
Toluene	5	ND				
1,1,1-Trichloroethane	5	ND				
1,1,2-Trichloroethane	5	ND				
Trichloroethene	5	ND				
Trichlorofluoromethane	10	ND				
1,2,3-Trichloropropane	5	ND				
Vinyl acetate	50	ND				
Vinyl chloride	10	ND				
Xylenes (total)	5	ND				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)

Method Code.....: 8240C

Batch Code.....: 1804

Status.....: RPT

QC Code.....: 8000

Units.....: ug/L

Calc Code.....:

Equipment Code..:

Import Code.....:

Analyst: bfr

Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank			Solid		08/28/95	1118
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Acetonitrile	100	ND				
Acrolein	50	ND				
Acrylonitrile	20	ND				
Acetone	100	ND				
Allyl chloride	20	ND				
Benzene	5	ND				
Benzyl chloride	5	ND				
Bromobenzene	5	ND				
Bromochloromethane	5	ND				
Bromodichloromethane	5	ND				
Bromoform	5	ND				
Bromomethane	10	ND				
Methyl ethyl ketone (2-Butanone)	100	ND				
Carbon disulfide	5	ND				
Carbon tetrachloride	5	ND				
Chlorobenzene	5	ND				
Chloroethane	10	ND				
2-Chloroethylvinyl ether	5	ND				
Chloroform	5	ND				
Chloromethane	5	ND				
2-Chloro-1,3-butadiene (chloroprene)	5	ND				
Dibromochloromethane	5	ND				
1,2-Dibromoethane (EDB)	20	ND				
1,2-Dibromo-3-chloropropane	20	ND				
Dibromomethane	5	ND				
trans-1,4-Dichloro-2-butene	50	ND				
Dichlorodifluoromethane	10	ND				
1,1-Dichloroethane	5	ND				
1,2-Dichloroethane	5	ND				
1,1-Dichloroethene	5	ND				
cis-1,2-Dichloroethene	5	ND				
trans-1,2-Dichloroethene	5	ND				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)

Method Code.....: 8240C

Batch Code.....: 1804

Status.....: RPT

QC Code.....: 8000

Units.....: ug/L

Calc Code.....:

Equipment Code..:

Import Code.....:

Analyst: bfr

Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank			Solid		08/28/95	1118
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
1,2-Dichloropropane	5	ND				
cis-1,3-Dichloropropene	5	ND				
trans-1,3-Dichloropropene	5	ND				
Ethylbenzene	5	ND				
Ethyl methacrylate	5	ND				
2-Hexanone	50	ND				
Iodomethane	5	ND				
Isobutyl alcohol	50	ND				
Methylacrylonitrile	50	ND				
Methylene chloride	5	ND				
Methyl methacrylate	5	ND				
4-Methyl-2-pentanone (MIBK)	50	ND				
Pentachloroethane	5	ND				
Propionitrile	100	ND				
Styrene	5	ND				
1,1,1,2-Tetrachloroethane	5	ND				
1,1,2,2-Tetrachloroethane	5	ND				
Tetrachloroethene	5	ND				
Toluene	5	ND				
1,1,1-Trichloroethane	5	ND				
1,1,2-Trichloroethane	5	ND				
Trichloroethene	5	ND				
Trichlorofluoromethane	10	ND				
1,2,3-Trichloropropane	5	ND				
Vinyl acetate	50	ND				
Vinyl chloride	10	ND				
Xylenes (total)	5	ND				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.....: 8240C
Batch Code.....: 1804

Status.....: RPT
QC Code.....: 8000
Units.....: ug/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: bfr
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MST	Matrix Spike (with unique test limits)	V950828D	954165-1	Solid		08/28/95	1607
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Benzene	5	39.9	50.940	ND		78.3	
Chlorobenzene	5	40.5	50.525	ND		80.2	
1,1-Dichloroethene	5	38.1	52.475	ND		72.6	
Toluene	5	40.1	50.310	ND		79.7	
Trichloroethene	5	41.4	50.505	ND		82.0	

MTD	Matrix Spike Duplicate	V950828D	954165-1	Solid		08/28/95	1639
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag	RPD	Flag
Benzene	5	38.3	50.940	ND	39.9	75.2		4	
Chlorobenzene	5	38.6	50.525	ND	40.5	76.4		5	
1,1-Dichloroethene	5	36.3	52.475	ND	38.1	69.2		5	
Toluene	5	38.2	50.310	ND	40.1	75.9		5	
Trichloroethene	5	38.8	50.505	ND	41.4	76.8		6	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1807

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst .: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICV	Initial Calibration Verification	950531B				09/06/95	1722
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	1.87242	2.00			93.6	
Beryllium (Be)	0.005	1.81006	2.00			90.5	
Cadmium (Cd)	0.005	1.89029	2.00			94.5	
Cobalt (Co)	0.03	1.93595	2.00			96.8	
Chromium (Cr)	0.01	1.91937	2.00			96.0	
Copper (Cu)	0.01	1.95364	2.00			97.7	
Nickel (Ni)	0.04	1.93556	2.00			96.8	
Lead (Pb)	0.05	1.91286	2.00			95.6	
Antimony (Sb)	0.1	1.94516	2.00			97.3	
Selenium (Se)	0.1	1.82440	2.00			91.2	
Thallium (Tl)	0.1	1.92615	2.00			96.3	
Vanadium (V)	0.05	1.90915	2.00			95.5	
Zinc (Zn)	0.01	1.85132	2.00			92.6	

ICV	Initial Calibration Verification	1206H				09/06/95	1726
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	1.94133	2.00			97.1	
Aluminum (Al)	0.05	2.00609	2.00			100.3	
Barium (Ba)	0.01	2.03721	2.00			101.9	

ICV	Initial Calibration Verification	950426D				09/06/95	1738
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Tin (Sn)	0.05	0.90608	1.00			90.6	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.: 6010

Batch Code.: 1807

Status.: RPT

QC Code.: MET

Units.: mg/L

Calc Code.:

Equipment Code.: ICP

Import Code.: ICP01

Analyst .: gef

Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICB	Initial Calibration Blank	950815J				09/06/95	1743
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Silver (Ag)	0.01	0.00084				
Aluminum (Al)	0.05	-0.00458				
Arsenic (As)	0.05	-0.00788				
Barium (Ba)	0.01	-0.00106				
Beryllium (Be)	0.005	0.00001				
Cadmium (Cd)	0.005	-0.00169				
Cobalt (Co)	0.03	0.00099				
Chromium (Cr)	0.01	-0.00358				
Copper (Cu)	0.01	-0.00225				
Nickel (Ni)	0.04	0.01019				
Lead (Pb)	0.05	-0.00491				
Antimony (Sb)	0.1	-0.03808				
Selenium (Se)	0.1	0.06287				
Tin (Sn)	0.05	0.01233				
Thallium (Tl)	0.1	-0.07892				
Vanadium (V)	0.05	-0.00153				
Zinc (Zn)	0.01	-0.00240				

ISB	Interference Check Sample B	950816E				09/06/95	1801
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	0.88233	1.000			88.2	
Aluminum (Al)	0.05	502.78100	500			100.6	
Arsenic (As)	0.05	0.96031	1.000			96.0	
Barium (Ba)	0.01	0.51016	0.5000			102.0	
Beryllium (Be)	0.005	0.49171	0.5000			98.3	
Cadmium (Cd)	0.005	1.07028	1.000			107.0	
Cobalt (Co)	0.03	0.49174	0.5000			98.3	
Chromium (Cr)	0.01	0.45666	0.5000			91.3	
Copper (Cu)	0.01	0.52434	0.5000			104.9	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1807

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst .: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ISB	Interference Check Sample B	950816E				09/06/95	1801
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Nickel (Ni)	0.04	0.97845	1.000			97.8	
Lead (Pb)	0.05	1.19864	1.000			119.9	
Antimony (Sb)	0.1	1.18508	1.000			118.5	
Selenium (Se)	0.1	1.09140	1.000			109.1	
Tin (Sn)	0.05	1.04338	1.000			104.3	
Thallium (Tl)	0.1	0.92935	1.000			92.9	
Vanadium (V)	0.05	0.47532	0.5000			95.1	
Zinc (Zn)	0.01	1.00500	1.000			100.5	

MB	Method Blank	0901				09/06/95	1806
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Silver (Ag)	0.01	0.00000				
Aluminum (Al)	0.05	0.02574				
Arsenic (As)	0.05	0.03788				
Barium (Ba)	0.01	-0.00106				
Beryllium (Be)	0.005	-0.00065				
Cadmium (Cd)	0.005	-0.00040				
Cobalt (Co)	0.03	-0.00100				
Chromium (Cr)	0.01	-0.00118				
Copper (Cu)	0.01	-0.00001				
Nickel (Ni)	0.04	-0.00399				
Lead (Pb)	0.05	0.02216				
Antimony (Sb)	0.1	0.02514				
Selenium (Se)	0.1	0.00009				
Tin (Sn)	0.05	0.00011				
Thallium (Tl)	0.1	-0.09724				
Vanadium (V)	0.05	-0.00480				
Zinc (Zn)	0.01	-0.00000				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1807

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst .: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	950227E				09/06/95	1810
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	0.93440	1.00			93.4	
Aluminum (Al)	0.05	1.09412	1.00			109.4	
Barium (Ba)	0.01	1.12280	1.00			112.3	
Cadmium (Cd)	0.005	0.95816	1.00			95.8	
Chromium (Cr)	0.01	1.07021	1.00			107.0	
Copper (Cu)	0.01	1.09795	1.00			109.8	
Nickel (Ni)	0.04	1.06943	1.00			106.9	
Lead (Pb)	0.05	1.00845	1.00			100.8	
Tin (Sn)	0.05	0.93467	1.00			93.5	
Vanadium (V)	0.05	1.04238	1.00			104.2	
Zinc (Zn)	0.01	0.99808	1.00			99.8	

LCD	Laboratory Control Sample Duplicate	950227E				09/06/95	1814
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag	RPD	Flag
Silver (Ag)	0.01	0.98629	1.00		0.93440	98.6		5.4	
Aluminum (Al)	0.05	1.11626	1.00		1.09412	111.6		2.0	
Barium (Ba)	0.01	1.17458	1.00		1.12280	117.5		4.5	
Cadmium (Cd)	0.005	1.02614	1.00		0.95816	102.6		6.9	
Chromium (Cr)	0.01	1.13119	1.00		1.07021	113.1		5.5	
Copper (Cu)	0.01	1.15559	1.00		1.09795	115.6		5.1	
Nickel (Ni)	0.04	1.13935	1.00		1.06943	113.9		6.3	
Lead (Pb)	0.05	1.05280	1.00		1.00845	105.3		4.3	
Tin (Sn)	0.05	1.00049	1.00		0.93467	100.0		6.8	
Vanadium (V)	0.05	1.10087	1.00		1.04238	110.1		5.5	
Zinc (Zn)	0.01	1.05272	1.00		0.99808	105.3		5.3	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1807

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst : gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	950227C				09/06/95	1822
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Selenium (Se)	0.1	0.82718	1.00			82.7	

LCD	Laboratory Control Sample Duplicate	950227C				09/06/95	1824
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag	RPD	Flag
Selenium (Se)	0.1	0.87652	1.00		0.82718	87.7		5.8	

LCS	Laboratory Control Sample	950227D				09/06/95	1826
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	1.03881	1.00			103.9	

LCD	Laboratory Control Sample Duplicate	950227D				09/06/95	1827
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag	RPD	Flag
Arsenic (As)	0.05	1.04517	1.00		1.03881	104.5		0.6	

CCV	Continuing Calibration Verification	950505D				09/06/95	1832
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	9.87918	10.0			98.8	
Arsenic (As)	0.05	2.43009	2.5			97.2	
Barium (Ba)	0.01	5.13393	5.0			102.7	
Beryllium (Be)	0.005	2.59887	2.5			104.0	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1807

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950505D				09/06/95	1832
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Cadmium (Cd)	0.005	2.34572	2.5			93.8	
Cobalt (Co)	0.03	2.44155	2.5			97.7	
Chromium (Cr)	0.01	2.40940	2.5			96.4	
Copper (Cu)	0.01	2.49828	2.5			99.9	
Nickel (Ni)	0.04	2.41883	2.5			96.8	
Lead (Pb)	0.05	2.36194	2.5			94.5	
Antimony (Sb)	0.1	2.45618	2.5			98.2	
Selenium (Se)	0.1	2.41667	2.5			96.7	
Tin (Sn)	0.05	2.33650	2.5			93.5	
Thallium (Tl)	0.1	2.44124	2.5			97.6	
Vanadium (V)	0.05	2.44011	2.5			97.6	
Zinc (Zn)	0.01	2.35090	2.5			94.0	

CCV	Continuing Calibration Verification	950607J				09/06/95	1835
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.32434	2.500			93.0	

CCB	Continuing Calibration Blank	950815J				09/06/95	1846
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Silver (Ag)	0.01	0.00090				
Aluminum (Al)	0.05	-0.00278				
Arsenic (As)	0.05	-0.00313				
Barium (Ba)	0.01	-0.00128				
Beryllium (Be)	0.005	-0.00070				
Cadmium (Cd)	0.005	-0.00358				
Cobalt (Co)	0.03	-0.00202				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1807

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst :.: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank	950815J				09/06/95	1846
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Chromium (Cr)	0.01	-0.00357				
Copper (Cu)	0.01	-0.00111				
Nickel (Ni)	0.04	0.01151				
Lead (Pb)	0.05	-0.00981				
Antimony (Sb)	0.1	-0.02857				
Selenium (Se)	0.1	0.07249				
Tin (Sn)	0.05	0.01236				
Thallium (Tl)	0.1	-0.01812				
Vanadium (V)	0.05	0.00010				
Zinc (Zn)	0.01	-0.00001				

SB	Spiked Blank	950821D				09/06/95	1849
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	0.97754	1.000			97.8	
Aluminum (Al)	0.05	2.12699	2.0000			106.3	
Arsenic (As)	0.05	0.98894	1.000			98.9	
Barium (Ba)	0.01	1.08215	1.000			108.2	
Beryllium (Be)	0.005	0.98668	1.000			98.7	
Cadmium (Cd)	0.005	0.95704	1.000			95.7	
Cobalt (Co)	0.03	1.03898	1.000			103.9	
Chromium (Cr)	0.01	0.99834	1.000			99.8	
Copper (Cu)	0.01	1.04974	1.000			105.0	
Nickel (Ni)	0.04	1.00298	1.000			100.3	
Lead (Pb)	0.05	0.99613	1.000			99.6	
Selenium (Se)	0.1	1.02105	1.000			102.1	
Thallium (Tl)	0.1	0.94815	1.000			94.8	
Vanadium (V)	0.05	1.02802	1.000			102.8	
Zinc (Zn)	0.01	0.97702	1.000			97.7	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1807

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst :.: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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SBD	Spiked Blank Duplicate	950821D				09/06/95	1852
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag	RPD	Flag
Silver (Ag)	0.01	1.01144	1.000		0.97754	101.1		3.4	
Aluminum (Al)	0.05	2.17691	2.0000		2.12699	108.8		2.3	
Arsenic (As)	0.05	1.00422	1.000		0.98894	100.4		1.5	
Barium (Ba)	0.01	1.08771	1.000		1.08215	108.8		0.5	
Beryllium (Be)	0.005	0.98597	1.000		0.98668	98.6		0.0	
Cadmium (Cd)	0.005	0.98974	1.000		0.95704	99.0		3.4	
Cobalt (Co)	0.03	1.05201	1.000		1.03898	105.2		1.2	
Chromium (Cr)	0.01	1.01267	1.000		0.99834	101.3		1.4	
Copper (Cu)	0.01	1.06311	1.000		1.04974	106.3		1.3	
Nickel (Ni)	0.04	1.01780	1.000		1.00298	101.8		1.5	
Lead (Pb)	0.05	1.00611	1.000		0.99613	100.6		1.0	
Selenium (Se)	0.1	0.94495	1.000		1.02105	94.5		7.7	
Thallium (Tl)	0.1	1.05147	1.000		0.94815	105.1		10.3	
Vanadium (V)	0.05	1.02890	1.000		1.02802	102.9		0.0	
Zinc (Zn)	0.01	1.00542	1.000		0.97702	100.5		2.9	

MS	Matrix Spike	950821D	954121-14	Oil		09/06/95	1925
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	1.01078	1.000	0.00377		100.7	
Aluminum (Al)	0.05	2.22096	2.0000	0.02503		109.8	
Arsenic (As)	0.05	1.26068	1.000	0.02899		123.2	
Barium (Ba)	0.01	1.27000	1.000	0.09413		117.6	
Beryllium (Be)	0.005	1.11255	1.000	0.00001		111.3	
Cadmium (Cd)	0.005	1.06887	1.000	0.07119		99.8	
Cobalt (Co)	0.03	1.25292	1.000	0.12765		112.5	
Chromium (Cr)	0.01	1.08204	1.000	0.00731		107.5	
Copper (Cu)	0.01	1.23843	1.000	0.11731		112.1	
Nickel (Ni)	0.04	1.06098	1.000	0.02567		103.5	
Lead (Pb)	0.05	1.07207	1.000	0.09546		97.7	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1807

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	950821D	954121-14	Oil		09/06/95	1925
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Selenium (Se)	0.1	1.50915	1.000	-0.00614		151.5	Y
Thallium (Tl)	0.1	1.14457	1.000	-0.03156		117.6	
Vanadium (V)	0.05	1.09870	1.000	-0.00177		110.0	
Zinc (Zn)	0.01	2.26305	1.000	1.23363		102.9	

PDS	Post Digestion Spike	950821D	954121-14	Oil		09/06/95	1929
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Selenium (Se)	0.1	1.08996	1.000	-0.00614		109.6	

CCV	Continuing Calibration Verification	950505D				09/06/95	1944
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	9.87336	10.0			98.7	
Arsenic (As)	0.05	2.46419	2.5			98.6	
Barium (Ba)	0.01	5.19298	5.0			103.9	
Beryllium (Be)	0.005	2.64103	2.5			105.6	
Cadmium (Cd)	0.005	2.40396	2.5			96.2	
Cobalt (Co)	0.03	2.48057	2.5			99.2	
Chromium (Cr)	0.01	2.44285	2.5			97.7	
Copper (Cu)	0.01	2.51606	2.5			100.6	
Nickel (Ni)	0.04	2.51104	2.5			100.4	
Lead (Pb)	0.05	2.40573	2.5			96.2	
Antimony (Sb)	0.1	2.60106	2.5			104.0	
Selenium (Se)	0.1	2.55324	2.5			102.1	
Tin (Sn)	0.05	2.25387	2.5			90.2	
Thallium (Tl)	0.1	2.25972	2.5			90.4	
Vanadium (V)	0.05	2.46715	2.5			98.7	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1807

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst ...: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950505D				09/06/95	1944
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Zinc (Zn)	0.01	2.38399	2.5			95.4	

CCV	Continuing Calibration Verification	950607J				09/06/95	1946
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.40124	2.500			96.0	

CCB	Continuing Calibration Blank	950815J				09/06/95	1951
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Silver (Ag)	0.01	-0.00000				
Aluminum (Al)	0.05	-0.02123				
Arsenic (As)	0.05	-0.00129				
Barium (Ba)	0.01	-0.00085				
Beryllium (Be)	0.005	0.00001				
Cadmium (Cd)	0.005	-0.00368				
Cobalt (Co)	0.03	-0.00401				
Chromium (Cr)	0.01	0.00000				
Copper (Cu)	0.01	-0.00212				
Nickel (Ni)	0.04	-0.00134				
Lead (Pb)	0.05	-0.01479				
Antimony (Sb)	0.1	0.03825				
Selenium (Se)	0.1	-0.04010				
Tin (Sn)	0.05	0.01896				
Thallium (Tl)	0.1	0.00608				
Vanadium (V)	0.05	-0.00185				
Zinc (Zn)	0.01	-0.00000				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1807

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst ...: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	0901				09/06/95	1958
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Silver (Ag)	0.01	0.00091				
Aluminum (Al)	0.05	0.00185				
Arsenic (As)	0.05	-0.00956				
Barium (Ba)	0.01	-0.00128				
Beryllium (Be)	0.005	-0.00074				
Cadmium (Cd)	0.005	-0.00357				
Cobalt (Co)	0.03	-0.00100				
Chromium (Cr)	0.01	0.00119				
Copper (Cu)	0.01	-0.00217				
Nickel (Ni)	0.04	-0.00063				
Lead (Pb)	0.05	0.02447				
Antimony (Sb)	0.1	0.02588				
Selenium (Se)	0.1	-0.00359				
Tin (Sn)	0.05	0.01054				
Thallium (Tl)	0.1	-0.05435				
Vanadium (V)	0.05	0.00327				
Zinc (Zn)	0.01	-0.00233				

LCS	Laboratory Control Sample	950614J				09/06/95	2001
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	0.66029	.654			101.0	
Arsenic (As)	0.05	0.84692	.824			102.8	
Barium (Ba)	0.01	2.34652	2.38			98.6	
Beryllium (Be)	0.005	1.64233	1.52			108.0	
Cadmium (Cd)	0.005	0.88675	.900			98.5	
Cobalt (Co)	0.03	1.00406	1.01			99.4	
Chromium (Cr)	0.01	1.57506	1.67			94.3	
Copper (Cu)	0.01	2.01231	1.96			102.7	
Nickel (Ni)	0.04	1.36948	1.35			101.4	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1807

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst : gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	950614J				09/06/95	2001
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Lead (Pb)	0.05	1.61617	1.62			99.8	
Antimony (Sb)	0.1	0.45483	.494			92.1	
Selenium (Se)	0.1	1.30069	1.09			119.3	
Thallium (Tl)	0.1	1.15866	1.27			91.2	
Vanadium (V)	0.05	0.89962	.940			95.7	
Zinc (Zn)	0.01	2.00290	1.99			100.6	

CCV	Continuing Calibration Verification	950505D				09/06/95	2045
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	9.96277	10.0			99.6	
Arsenic (As)	0.05	2.40807	2.5			96.3	
Barium (Ba)	0.01	5.14890	5.0			103.0	
Beryllium (Be)	0.005	2.55065	2.5			102.0	
Cadmium (Cd)	0.005	2.49048	2.5			99.6	
Cobalt (Co)	0.03	2.48875	2.5			99.5	
Chromium (Cr)	0.01	2.46193	2.5			98.5	
Copper (Cu)	0.01	2.50508	2.5			100.2	
Nickel (Ni)	0.04	2.46697	2.5			98.7	
Lead (Pb)	0.05	2.44548	2.5			97.8	
Antimony (Sb)	0.1	2.51491	2.5			100.6	
Selenium (Se)	0.1	2.49325	2.5			99.7	
Tin (Sn)	0.05	2.28482	2.5			91.4	
Thallium (Tl)	0.1	2.34972	2.5			94.0	
Vanadium (V)	0.05	2.45267	2.5			98.1	
Zinc (Zn)	0.01	2.42432	2.5			97.0	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.: 6010

Batch Code.: 1807

Status.: RPT

QC Code.: MET

Units.: mg/L

Calc Code.:

Equipment Code.: ICP

Import Code.: ICP01

Analyst .: gef

Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950607J				09/06/95	2049
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.42688	2.500			97.1	

CCB	Continuing Calibration Blank	950815J				09/06/95	2053
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Silver (Ag)	0.01	-0.00091				
Aluminum (Al)	0.05	-0.00001				
Arsenic (As)	0.05	-0.01112				
Barium (Ba)	0.01	-0.00085				
Beryllium (Be)	0.005	-0.00001				
Cadmium (Cd)	0.005	-0.00167				
Cobalt (Co)	0.03	-0.00203				
Chromium (Cr)	0.01	0.00239				
Copper (Cu)	0.01	0.00115				
Nickel (Ni)	0.04	0.01694				
Lead (Pb)	0.05	-0.00737				
Antimony (Sb)	0.1	-0.00030				
Selenium (Se)	0.1	0.01948				
Tin (Sn)	0.05	-0.00416				
Thallium (Tl)	0.1	-0.03029				
Vanadium (V)	0.05	0.00174				
Zinc (Zn)	0.01	-0.00004				

MB	Method Blank	0830				09/06/95	2056
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Silver (Ag)	0.01	0.00182				
Aluminum (Al)	0.05	-0.00730				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1807

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst .: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	0830				09/06/95	2056
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Arsenic (As)	0.05	0.03666				
Barium (Ba)	0.01	-0.00064				
Beryllium (Be)	0.005	0.00072				
Cadmium (Cd)	0.005	-0.00223				
Cobalt (Co)	0.03	0.00302				
Chromium (Cr)	0.01	0.00119				
Copper (Cu)	0.01	0.00221				
Nickel (Ni)	0.04	-0.00404				
Lead (Pb)	0.05	-0.00983				
Antimony (Sb)	0.1	-0.01201				
Selenium (Se)	0.1	-0.00668				
Tin (Sn)	0.05	-0.01885				
Thallium (Tl)	0.1	-0.02428				
Vanadium (V)	0.05	-0.00163				
Zinc (Zn)	0.01	-0.00000				

LCS	Laboratory Control Sample	950614J				09/06/95	2100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	0.62749	.654			95.9	
Arsenic (As)	0.05	0.78707	.824			95.5	
Barium (Ba)	0.01	2.22007	2.38			93.3	
Beryllium (Be)	0.005	1.55032	1.52			102.0	
Cadmium (Cd)	0.005	0.85430	.900			94.9	
Cobalt (Co)	0.03	0.94665	1.01			93.7	
Chromium (Cr)	0.01	1.50949	1.67			90.4	
Copper (Cu)	0.01	1.90562	1.96			97.2	
Nickel (Ni)	0.04	1.22190	1.35			90.5	
Lead (Pb)	0.05	1.47409	1.62			91.0	
Antimony (Sb)	0.1	0.35945	.494			72.8	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1807

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	950614J				09/06/95	2100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Selenium (Se)	0.1	1.01897	1.09			93.5	
Thallium (Tl)	0.1	1.12194	1.27			88.3	
Vanadium (V)	0.05	0.83529	.940			88.9	
Zinc (Zn)	0.01	1.86799	1.99			93.9	

LCS	Laboratory Control Sample	950614J			10	09/06/95	2106
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	3.39665	0.3490000			97.3	

SB	Spiked Blank	950821D				09/06/95	2110
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	0.96673	1.000			96.7	
Aluminum (Al)	0.05	2.10027	2.0000			105.0	
Arsenic (As)	0.05	0.94938	1.000			94.9	
Barium (Ba)	0.01	1.06033	1.000			106.0	
Beryllium (Be)	0.005	1.05200	1.000			105.2	
Cadmium (Cd)	0.005	0.99906	1.000			99.9	
Cobalt (Co)	0.03	1.02296	1.000			102.3	
Chromium (Cr)	0.01	0.98562	1.000			98.6	
Copper (Cu)	0.01	1.02426	1.000			102.4	
Nickel (Ni)	0.04	0.98850	1.000			98.8	
Lead (Pb)	0.05	1.02773	1.000			102.8	
Antimony (Sb)	0.1	1.13049	1.00			113.0	
Selenium (Se)	0.1	1.15746	1.000			115.7	
Tin (Sn)	0.05	0.91518	1.00			91.5	
Thallium (Tl)	0.1	0.89334	1.000			89.3	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1807

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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SB	Spiked Blank	950821D				09/06/95	2110
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Vanadium (V)	0.05	1.00616	1.000			100.6	
Zinc (Zn)	0.01	0.99596	1.000			99.6	

CCV	Continuing Calibration Verification	950505D				09/06/95	2140
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	9.88968	10.0			98.9	
Arsenic (As)	0.05	2.41541	2.5			96.6	
Barium (Ba)	0.01	5.14634	5.0			102.9	
Beryllium (Be)	0.005	2.56066	2.5			102.4	
Cadmium (Cd)	0.005	2.43197	2.5			97.3	
Cobalt (Co)	0.03	2.46867	2.5			98.7	
Chromium (Cr)	0.01	2.42969	2.5			97.2	
Copper (Cu)	0.01	2.49380	2.5			99.8	
Nickel (Ni)	0.04	2.45412	2.5			98.2	
Lead (Pb)	0.05	2.41088	2.5			96.4	
Antimony (Sb)	0.1	2.51876	2.5			100.8	
Selenium (Se)	0.1	2.49369	2.5			99.7	
Tin (Sn)	0.05	2.26387	2.5			90.6	
Thallium (Tl)	0.1	2.33131	2.5			93.3	
Vanadium (V)	0.05	2.44213	2.5			97.7	
Zinc (Zn)	0.01	2.38875	2.5			95.5	

CCV	Continuing Calibration Verification	950607J				09/06/95	2142
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.40399	2.500			96.2	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1807

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst ...: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank	950815J				09/06/95	2146
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Silver (Ag)	0.01	0.00182				
Aluminum (Al)	0.05	-0.00000				
Arsenic (As)	0.05	-0.00788				
Barium (Ba)	0.01	-0.00128				
Beryllium (Be)	0.005	0.00072				
Cadmium (Cd)	0.005	0.00193				
Cobalt (Co)	0.03	-0.00101				
Chromium (Cr)	0.01	-0.00358				
Copper (Cu)	0.01	0.00445				
Nickel (Ni)	0.04	0.01152				
Lead (Pb)	0.05	0.00731				
Antimony (Sb)	0.1	-0.00082				
Selenium (Se)	0.1	0.03612				
Tin (Sn)	0.05	0.00626				
Thallium (Tl)	0.1	-0.01820				
Vanadium (V)	0.05	-0.00164				
Zinc (Zn)	0.01	-0.00005				

MS	Matrix Spike	950821D	954162-2	Solid		09/06/95	2212
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	0.85837	1.000	-0.00634		86.5	
Arsenic (As)	0.05	0.94259	1.000	-0.00172		94.4	
Barium (Ba)	0.01	2.84827	1.000	1.62825		122.0	
Beryllium (Be)	0.005	0.96262	1.000	0.00514		95.7	
Cadmium (Cd)	0.005	0.90182	1.000	0.00452		89.7	
Cobalt (Co)	0.03	1.00212	1.000	0.07716		92.5	
Chromium (Cr)	0.01	1.04449	1.000	0.12020		92.4	
Copper (Cu)	0.01	1.08085	1.000	0.12813		95.3	
Nickel (Ni)	0.04	1.05705	1.000	0.12147		93.6	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.: 6010

Batch Code.: 1807

Status.: RPT

QC Code.: MET

Units.: mg/L

Calc Code.:

Equipment Code.: ICP

Import Code.: ICP01

Analyst ...: gef

Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	950821D	954162-2	Solid		09/06/95	2212
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Lead (Pb)	0.05	1.06583	1.000	0.20729		85.9	
Selenium (Se)	0.1	1.10111	1.000	0.15739		94.4	
Tin (Sn)	0.05	0.95429	1.00	0.07942		87.5	
Thallium (Tl)	0.1	0.90817	1.000	-0.00340		91.2	
Vanadium (V)	0.05	1.24408	1.000	0.23917		100.5	
Zinc (Zn)	0.01	1.49648	1.000	0.55018		94.6	

CCV	Continuing Calibration Verification	950505D				09/06/95	2232
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	9.98454	10.0			99.8	
Arsenic (As)	0.05	2.27970	2.5			91.2	
Barium (Ba)	0.01	5.12515	5.0			102.5	
Beryllium (Be)	0.005	2.50490	2.5			100.2	
Cadmium (Cd)	0.005	2.48829	2.5			99.5	
Cobalt (Co)	0.03	2.47076	2.5			98.8	
Chromium (Cr)	0.01	2.44040	2.5			97.6	
Copper (Cu)	0.01	2.48945	2.5			99.6	
Nickel (Ni)	0.04	2.44197	2.5			97.7	
Lead (Pb)	0.05	2.43841	2.5			97.5	
Antimony (Sb)	0.1	2.45349	2.5			98.1	
Selenium (Se)	0.1	2.46011	2.5			98.4	
Tin (Sn)	0.05	2.36849	2.5			94.7	
Thallium (Tl)	0.1	2.28792	2.5			91.5	
Vanadium (V)	0.05	2.43102	2.5			97.2	
Zinc (Zn)	0.01	2.38867	2.5			95.5	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description : Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1807

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950607J				09/06/95	2239
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.35180	2.500			94.1	

CCB	Continuing Calibration Blank	950815J				09/06/95	2241
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Silver (Ag)	0.01	-0.00000				
Aluminum (Al)	0.05	0.00921				
Arsenic (As)	0.05	0.00628				
Barium (Ba)	0.01	-0.00064				
Beryllium (Be)	0.005	-0.00070				
Cadmium (Cd)	0.005	0.00172				
Cobalt (Co)	0.03	0.00000				
Chromium (Cr)	0.01	-0.00119				
Copper (Cu)	0.01	0.00230				
Nickel (Ni)	0.04	0.00069				
Lead (Pb)	0.05	-0.00484				
Antimony (Sb)	0.1	-0.01325				
Selenium (Se)	0.1	-0.04001				
Tin (Sn)	0.05	-0.01556				
Thallium (Tl)	0.1	-0.03035				
Vanadium (V)	0.05	-0.00011				
Zinc (Zn)	0.01	-0.00001				

PDS	Post Digestion Spike	950821D	954162-2	Solid		09/06/95	2246
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	6.99178	2.0000	5.17622		90.8	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1807

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ISA	Interference Check Sample A	950612I				09/06/95	2251
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	542.98968	500			108.6	

ISB	Interference Check Sample B	950816E				09/06/95	2259
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	0.98403	1.000			98.4	
Aluminum (Al)	0.05	507.90447	500			101.6	
Arsenic (As)	0.05	1.09416	1.000			109.4	
Barium (Ba)	0.01	0.52791	0.5000			105.6	
Beryllium (Be)	0.005	0.50913	0.5000			101.8	
Cadmium (Cd)	0.005	1.14463	1.000			114.5	
Cobalt (Co)	0.03	0.50806	0.5000			101.6	
Chromium (Cr)	0.01	0.48484	0.5000			97.0	
Copper (Cu)	0.01	0.53516	0.5000			107.0	
Nickel (Ni)	0.04	1.00768	1.000			100.8	
Lead (Pb)	0.05	1.08395	1.000			108.4	
Antimony (Sb)	0.1	1.07858	1.000			107.9	
Selenium (Se)	0.1	1.13955	1.000			114.0	
Tin (Sn)	0.05	1.04370	1.000			104.4	
Thallium (Tl)	0.1	1.14807	1.000			114.8	
Vanadium (V)	0.05	0.50004	0.5000			100.0	
Zinc (Zn)	0.01	1.06117	1.000			106.1	

CCV	Continuing Calibration Verification	950505D				09/06/95	2305
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	9.70318	10.0			97.0	
Arsenic (As)	0.05	2.36842	2.5			94.7	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1807

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950505D				09/06/95	2305
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Barium (Ba)	0.01	5.07637	5.0			101.5	
Beryllium (Be)	0.005	2.51921	2.5			100.8	
Cadmium (Cd)	0.005	2.41601	2.5			96.6	
Cobalt (Co)	0.03	2.44673	2.5			97.9	
Chromium (Cr)	0.01	2.41422	2.5			96.6	
Copper (Cu)	0.01	2.45719	2.5			98.3	
Nickel (Ni)	0.04	2.40388	2.5			96.2	
Lead (Pb)	0.05	2.44432	2.5			97.8	
Antimony (Sb)	0.1	2.48640	2.5			99.5	
Selenium (Se)	0.1	2.25267	2.5			90.1	
Tin (Sn)	0.05	2.32410	2.5			93.0	
Thallium (Tl)	0.1	2.47002	2.5			98.8	
Vanadium (V)	0.05	2.41456	2.5			96.6	
Zinc (Zn)	0.01	2.35334	2.5			94.1	

CCV	Continuing Calibration Verification	950607J				09/06/95	2320
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.25838	2.500			90.3	

CCB	Continuing Calibration Blank	950815J				09/06/95	2325
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Silver (Ag)	0.01	-0.00092				
Aluminum (Al)	0.05	-0.01477				
Arsenic (As)	0.05	-0.04268				
Barium (Ba)	0.01	-0.00085				
Beryllium (Be)	0.005	0.00001				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1807

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gef
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank	950815J				09/06/95	2325
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Cadmium (Cd)	0.005	-0.00314				
Cobalt (Co)	0.03	-0.00303				
Chromium (Cr)	0.01	-0.00238				
Copper (Cu)	0.01	-0.00337				
Nickel (Ni)	0.04	0.01359				
Lead (Pb)	0.05	0.01458				
Antimony (Sb)	0.1	0.02854				
Selenium (Se)	0.1	0.03966				
Tin (Sn)	0.05	-0.00873				
Thallium (Tl)	0.1	-0.06744				
Vanadium (V)	0.05	-0.00164				
Zinc (Zn)	0.01	-0.00003				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1808

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					08/31/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
1,1-Dichloroethane	5	ND				
Toluene	5	ND				
1,1,1-Trichloroethane	5	ND				
Vinyl acetate	50	ND				
Xylenes (total)	5	ND				

MLE	Medium Level Extraction Blank				125	08/31/95	1152
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	Flag
1,1-Dichloroethane	5	ND				
Toluene	5	ND				
1,1,1-Trichloroethane	5	ND				
Vinyl acetate	50	ND				
Xylenes (total)	5	ND				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Total Recoverable Petroleum Hydrocarbons Status.....: RPT
Method Code.....: 418.1 QC Code.....: GEN
Batch Code.....: 1877 Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: jbd
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICB	Initial Calibration Blank	R091195M				09/11/95	0915
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Total Recoverable Petroleum Hydrocarbons	1	0				

MB	Method Blank	R091195M				09/11/95	0915
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Total Recoverable Petroleum Hydrocarbons	1	0				

CCB	Continuing Calibration Blank	R091195M				09/11/95	0915
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Total Recoverable Petroleum Hydrocarbons	1	0				

ICV	Initial Calibration Verification	940114				09/11/95	0915
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Total Recoverable Petroleum Hydrocarbons	1	47	44			106.8	

CCV	Continuing Calibration Verification	X950911B				09/11/95	0915
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Total Recoverable Petroleum Hydrocarbons	1	51	50			102.0	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Total Recoverable Petroleum Hydrocarbons Status.....: RPT
Method Code.....: 418.1 QC Code.....: GEN
Batch Code.....: 1877 Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: jbd
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954165-9	Solid	25	09/11/95	0915
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Total Recoverable Petroleum Hydrocarbons	1	216		212		2			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: PCB Analysis

Method Code.....: 8080PC

Batch Code.....: 1939

Status.....: RPT

QC Code.....: 8000

Units.....: ug/L

Calc Code.....:

Equipment Code...:

Import Code.....:

Analyst: lb

Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0615				09/13/95	0039
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Aroclor 1016	0.05	ND				
Aroclor 1221	0.05	ND				
Aroclor 1232	0.05	ND				
Aroclor 1242	0.05	ND				
Aroclor 1248	0.05	ND				
Aroclor 1254	0.05	ND				
Aroclor 1260	0.05	ND				
Aroclor 1262	0.05	ND				
Aroclor 1268	0.05	ND				

MS	Matrix Spike	P9506298	954165-8	Solid		09/13/95	0304
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Aroclor 1016	0.05	ND					
Aroclor 1221	0.05	ND					
Aroclor 1232	0.05	ND					
Aroclor 1242	0.05	ND					
Aroclor 1248	0.05	2.130	0.500			426	X
Aroclor 1254	0.05	ND					
Aroclor 1260	0.05	ND					
Aroclor 1262	0.05	ND					
Aroclor 1268	0.05	ND					



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.....: 8270C
Batch Code.....: 1986

Status.....: RPT
QC Code.....: 8000
Units.....: ug/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst ...: mla
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0609				09/11/95	1653
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Acenaphthene	10	ND				
Acenaphthylene	10	ND				
Acetophenone	10	ND				
4-Aminobiphenyl	10	ND				
Aniline	10	ND				
Anthracene	10	ND				
Benzydine	50	ND				
Benzo(a)anthracene	10	ND				
Benzo(b)fluoranthene	10	ND				
Benzo(j)fluoranthene	10	ND				
Benzo(k)fluoranthene	10	ND				
Benzo(ghi)perylene	10	ND				
Benzo(a)pyrene	10	ND				
Benzyl alcohol	10	ND				
Butyl benzyl phthalate	10	ND				
Bis(2-chloroethoxy)methane	10	ND				
Bis(2-chloroethyl)ether	10	ND				
Bis(2-chloroisopropyl)ether	10	ND				
Bis(2-ethylhexyl)phthalate	10	ND				
4-Bromophenyl phenyl ether	10	ND				
4-Chloroaniline	10	ND				
Chlorobenzilate	10	ND				
1-Chloronaphthalene	10	ND				
2-Chloronaphthalene	10	ND				
4-Chlorophenyl phenyl ether	10	ND				
Chrysene	10	ND				
Diallate	10	ND				
Dibenzo(a,h)anthracene	10	ND				
Dibenzofuran	10	ND				
1,2-Dichlorobenzene	10	ND				
1,3-Dichlorobenzene	10	ND				
1,4-Dichlorobenzene	10	ND				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1986

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: mla
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	M80609				09/11/95	1653
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
3,3-Dichlorobenzidine	20	ND				
Diethyl phthalate	10	ND				
p-Dimethylaminoazobenzene	10	ND				
Dimethoate	20	ND				
7,12-Dimethylbenz(a)anthracene	10	ND				
alpha, alpha-Dimethylphenethylamine	10	ND				
Dimethyl phthalate	10	ND				
Di-n-butyl phthalate	10	ND				
Di-n-octyl phthalate	10	ND				
2,4-Dinitrotoluene	10	ND				
2,6-Dinitrotoluene	10	ND				
Dinoseb (DNBP)	20	ND				
Diphenylamine	10	ND				
1,2-Diphenylhydrazine	10	ND				
Disulfoton	10	ND				
Ethyl methane sulfonate	20	ND				
Fluoranthene	10	ND				
Fluorene	10	ND				
Hexachlorobenzene	10	ND				
Hexachlorobutadiene	10	ND				
Hexachlorocyclopentadiene	10	ND				
Hexachloroethane	10	ND				
Hexachloropropene	10	ND				
Indeno(1,2,3-cd)pyrene	10	ND				
Isodrin	10	ND				
Isophorone	10	ND				
Isosafrole	10	ND				
Methapyrilene	10	ND				
3-Methylcholanthrene	10	ND				
Methyl methane sulfonate	10	ND				
2-Methylnaphthalene	10	ND				
Naphthalene	10	ND				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)

Method Code.: 8270C

Batch Code.: 1986

Status.: RPT

QC Code.: 8000

Units.: ug/L

Calc Code.:

Equipment Code.:

Import Code.:

Analyst ...: mla

Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0609				09/11/95	1653
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
1,4-Naphthoquinone	10	ND				
1-Naphthylamine	10	ND				
2-Naphthylamine	10	ND				
o-Nitroaniline	50	ND				
m-Nitroaniline	50	ND				
p-Nitroaniline	50	ND				
Nitrobenzene	10	ND				
4-Nitroquinoline-1-oxide	10	ND				
n-Nitrosodi-n-butylamine	10	ND				
n-Nitrosodiethylamine	10	ND				
n-Nitrosodimethylamine	10	ND				
n-Nitrosomethylethylamine	10	ND				
n-Nitrosomorpholine	10	ND				
n-Nitrosodi-n-propylamine	10	ND				
n-Nitrosodiphenylamine	10	ND				
n-Nitrosopiperidine	10	ND				
n-Nitrosopyrrolidine	10	ND				
5-Nitro-o-toluidine	10	ND				
Ethyl parathion	10	ND				
Pentachlorobenzene	10	ND				
Pentachloronitrobenzene	10	ND				
Phenacetin	10	ND				
Phenanthrene	10	ND				
p-Phenylenediamine	10	ND				
Phorate	10	ND				
2-Picoline	10	ND				
Pronamide	10	ND				
Pyrene	10	ND				
Pyridine	10	ND				
Safrole	10	ND				
1,2,4,5-Tetrachlorobenzene	10	ND				
o-Toluidine	10	ND				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1986

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst ...: mla
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0609				09/11/95	1653
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
1,2,4-Trichlorobenzene	10	ND				
0,0,0-Triethyl phosphorothioate	10	ND				
1,3,5-Trinitrobenzene	10	ND				
Benzoic acid	50	ND				
4-Chloro-3-methylphenol	10	ND				
2-Chlorophenol	10	ND				
2,4-Dichlorophenol	10	ND				
2,6-Dichlorophenol	10	ND				
2,4-Dimethylphenol	10	ND				
2,4-Dinitrophenol	50	ND				
2-Methyl-4,6-dinitrophenol	50	ND				
2-Methylphenol (o-cresol)	10	ND				
3 & 4 Methylphenol (m&p cresol)	10	ND				
2-Nitrophenol	10	ND				
4-Nitrophenol	50	ND				
Pentachlorophenol	50	ND				
Phenol	10	ND				
2,3,4,6-Tetrachlorophenol	10	ND				
2,4,5-Trichlorophenol	10	ND				
2,4,6-Trichlorophenol	10	ND				

MB	Method Blank	MB0609				09/15/95	0120
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Dibenzo(a,j)acridine	10	ND				
Hexachlorophene	100	ND				
Kepone	50	ND				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Sulfide, Total (solids/waste)
Method Code.: 9030
Batch Code.: 2019

Status.: RPT
QC Code.:
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst : * cc
Job Number.: 954165

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					09/05/95	0800
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Sulfide	50	0				

LCS	Laboratory Control Sample	50846				09/05/95	0800
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Sulfide	50	56	60			93	

SB	Spiked Blank	50846	952424-0			09/05/95	0800
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Sulfide	50	59	60	0		98	

MD	Method Duplicate		952522-3			09/05/95	0800
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Sulfide	50	925		937				1	



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1803

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954165

Surrogate	Test Matrix	Dilution Factor
4-Bromofluorobenzene	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	49.5	ug/L	50.1861	99		08/24/95	1412
954165-2		49.7	ug/L	50.1861	99		08/24/95	1748
954165-3		48.7	ug/L	50.1861	97		08/24/95	1820
954165-4		50.4	ug/L	50.1861	100		08/24/95	1853
954165-5		49.5	ug/L	50.1861	99		08/24/95	1925
954165-6		51.4	ug/L	50.1861	102		08/24/95	1957
954165-7		50.8	ug/L	50.1861	101		08/24/95	2029

Surrogate	Test Matrix	Dilution Factor
Dibromofluoromethane	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	50.6	ug/L	50.1095	101		08/24/95	1412
954165-2		50.9	ug/L	50.1095	102		08/24/95	1748
954165-3		51.5	ug/L	50.1095	103		08/24/95	1820
954165-4		52.0	ug/L	50.1095	104		08/24/95	1853
954165-5		53.0	ug/L	50.1095	106		08/24/95	1925
954165-6		55.0	ug/L	50.1095	110		08/24/95	1957
954165-7		53.8	ug/L	50.1095	107		08/24/95	2029



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1803

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954165

Surrogate	Test Matrix	Dilution Factor
Toluene-d8	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	50.0	ug/L	50.1898	100		08/24/95	1412
954165-2		49.6	ug/L	50.1898	99		08/24/95	1748
954165-3		50.0	ug/L	50.1898	100		08/24/95	1820
954165-4		50.1	ug/L	50.1898	100		08/24/95	1853
954165-5		49.4	ug/L	50.1898	98		08/24/95	1925
954165-6		50.1	ug/L	50.1898	100		08/24/95	1957
954165-7		50.3	ug/L	50.1898	100		08/24/95	2029



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1804

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954165

Surrogate	Test Matrix	Dilution Factor
4-Bromofluorobenzene	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	47.6	ug/L	50.1861	95		08/28/95	1118
954165-1		50.1	ug/L	50.1861	100		08/28/95	1205
954165-8		49.0	ug/L	50.1861	98		08/28/95	1237
954165-9		48.4	ug/L	50.1861	96		08/28/95	1309
954165-10		51.0	ug/L	50.1861	102		08/28/95	1341
954165-11		48.3	ug/L	50.1861	96		08/28/95	1413
954165-1	MST	49.9	ug/L	50.1861	99		08/28/95	1607
954165-1	MTD	49.7	ug/L	50.1861	99		08/28/95	1639

Surrogate	Test Matrix	Dilution Factor
Dibromofluoromethane	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	50.1	ug/L	50.1095	100		08/28/95	1118
954165-1		51.9	ug/L	50.1095	104		08/28/95	1205
954165-8		52.0	ug/L	50.1095	104		08/28/95	1237
954165-9		50.8	ug/L	50.1095	101		08/28/95	1309
954165-10		50.2	ug/L	50.1095	100		08/28/95	1341
954165-11		51.2	ug/L	50.1095	102		08/28/95	1413
954165-1	MST	51.0	ug/L	50.1095	102		08/28/95	1607
954165-1	MTD	50.4	ug/L	50.1095	101		08/28/95	1639



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1804

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954165

Surrogate	Test Matrix	Dilution Factor
Toluene-d8	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	50.0	ug/L	50.1898	100		08/28/95	1118
954165-1		50.4	ug/L	50.1898	100		08/28/95	1205
954165-8		50.2	ug/L	50.1898	100		08/28/95	1237
954165-9		98.2	ug/L	50.1898	196	X	08/28/95	1309
954165-10		53.1	ug/L	50.1898	106		08/28/95	1341
954165-11		51.9	ug/L	50.1898	103		08/28/95	1413
954165-1	MST	49.7	ug/L	50.1898	99		08/28/95	1607
954165-1	MTD	49.7	ug/L	50.1898	99		08/28/95	1639



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1808

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954165

Surrogate	Test Matrix	Dilution Factor
4-Bromofluorobenzene		2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	47.3	ug/L	50.1861	94		08/31/95	1100
	MLE	48.1	ug/L	50.1861	96		08/31/95	1152
954165-9		50.7	ug/L	50.1861	101		08/31/95	1233
954165-10		52.5	ug/L	50.1861	105		08/31/95	1305
954165-11		48.4	ug/L	50.1861	96		08/31/95	1336

Surrogate	Test Matrix	Dilution Factor
Dibromofluoromethane		2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	49.0	ug/L	50.1095	98		08/31/95	1100
	MLE	48.6	ug/L	50.1095	97		08/31/95	1152
954165-9		48.8	ug/L	50.1095	97		08/31/95	1233
954165-10		42.8	ug/L	50.1095	85		08/31/95	1305
954165-11		42.4	ug/L	50.1095	85		08/31/95	1336

Surrogate	Test Matrix	Dilution Factor
Toluene-d8		2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	49.5	ug/L	50.1898	99		08/31/95	1100
	MLE	49.2	ug/L	50.1898	98		08/31/95	1152
954165-9		59.1	ug/L	50.1898	118	X	08/31/95	1233
954165-10		53.9	ug/L	50.1898	107		08/31/95	1305



CORE LABORATORIES

QUALITY CONTROL REPORT
SURROGATE RECOVERIES
Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1808

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954165

Surrogate	Test Matrix	Dilution Factor
Toluene-d8	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
954165-11		49.3	ug/L	50.1898	98		08/31/95	1336
954165-9		56.3	ug/L	50.1898	112		08/31/95	1412



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES

Report Date: 09/20/95

Method Description.: PCB Analysis
Method Code.: 8080PC
Batch Code.: 1939

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: lb
Job Number.: 954165

Surrogate	Test Matrix	Dilution Factor
2,4,5,6-Tetrachloro-m-xylene		100

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	0.0746	ug/L	0.100	75		09/13/95	0039
954165-9		0	ug/L	0.100	0	X	09/13/95	0108
954165-10		0	ug/L	0.100	0	X	09/13/95	0137
954165-11		0	ug/L	0.100	0	X	09/13/95	0206
954165-8		0.0739	ug/L	0.100	74		09/13/95	0235
954165-8	MS	0.0592	ug/L	0.100	59	X	09/13/95	0304

Surrogate	Test Matrix	Dilution Factor
4,4'-Dichlorobiphenyl		100

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	0.116	ug/L	0.100	116		09/13/95	0039
954165-9		0	ug/L	0.100	0	X	09/13/95	0108
954165-10		0	ug/L	0.100	0	X	09/13/95	0137
954165-11		0	ug/L	0.100	0	X	09/13/95	0206
954165-8		0.0903	ug/L	0.100	90		09/13/95	0235
954165-8	MS	0.0904	ug/L	0.100	90		09/13/95	0304



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1986

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: mla
Job Number.: 954165

Surrogate	Test Matrix	Dilution Factor
2,4,6-Tribromophenol		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	69.75	ug/L	100.0100	70		09/11/95	1653
954165-8		37.83	ug/L	100.0100	38		09/11/95	1751
954165-9		72.15	ug/L	100.0100	72		09/11/95	1848
954165-10		11.10	ug/L	100.0100	111		09/11/95	1946
954165-11		11.61	ug/L	100.0100	116		09/11/95	2043
954165-8		39.76	ug/L	100.0100	40		09/12/95	2247
954165-9		63.08	ug/L	100.0100	63		09/12/95	2344
954165-10		0.52	ug/L	100.0100	52		09/13/95	0041
954165-11		11.24	ug/L	100.0100	112		09/13/95	0139

Surrogate	Test Matrix	Dilution Factor
2-Fluorobiphenyl		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	30.66	ug/L	50.0000	61		09/11/95	1653
954165-8		17.31	ug/L	50.0000	35		09/11/95	1751
954165-9		23.34	ug/L	50.0000	47		09/11/95	1848
954165-10		6.55	ug/L	50.0000	131	X	09/11/95	1946
954165-11		7.15	ug/L	50.0000	143	X	09/11/95	2043
954165-8		18.81	ug/L	50.0000	38		09/12/95	2247
954165-9		28.83	ug/L	50.0000	58		09/12/95	2344
954165-10		0.47	ug/L	50.0000	94		09/13/95	0041
954165-11		8.42	ug/L	50.0000	168	X	09/13/95	0139



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1986

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst ...: mla
Job Number.: 954165

Surrogate	Test Matrix	Dilution Factor
2-Fluorophenol		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	96.90	ug/L	99.9900	97		09/11/95	1653
954165-8		38.31	ug/L	99.9900	38		09/11/95	1751
954165-9		60.82	ug/L	99.9900	61		09/11/95	1848
954165-10		8.52	ug/L	99.9900	85		09/11/95	1946
954165-11		9.47	ug/L	99.9900	95		09/11/95	2043
954165-8		32.44	ug/L	99.9900	32		09/12/95	2247
954165-9		50.34	ug/L	99.9900	50		09/12/95	2344
954165-10		0.64	ug/L	99.9900	64		09/13/95	0041
954165-11		8.43	ug/L	99.9900	84		09/13/95	0139

Surrogate	Test Matrix	Dilution Factor
Nitrobenzene-d5		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	29.16	ug/L	50.0500	58		09/11/95	1653
954165-8		12.8	ug/L	50.0500	26		09/11/95	1751
954165-9		23.44	ug/L	50.0500	47		09/11/95	1848
954165-10		3.28	ug/L	50.0500	66		09/11/95	1946
954165-11		4.64	ug/L	50.0500	93		09/11/95	2043
954165-8		12.92	ug/L	50.0500	26		09/12/95	2247
954165-9		22.07	ug/L	50.0500	44		09/12/95	2344
954165-10		0.29	ug/L	50.0500	58		09/13/95	0041
954165-11		4.29	ug/L	50.0500	86		09/13/95	0139



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1986

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: mla
Job Number.: 954165

Surrogate	Test Matrix	Dilution Factor
Phenol-d6		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	86	ug/L	100.0400	86		09/11/95	1653
954165-8		37.87	ug/L	100.0400	38		09/11/95	1751
954165-9		51.52	ug/L	100.0400	51		09/11/95	1848
954165-10		6.12	ug/L	100.0400	61		09/11/95	1946
954165-11		8.81	ug/L	100.0400	88		09/11/95	2043
954165-8		39.76	ug/L	100.0400	40		09/12/95	2247
954165-9		60.09	ug/L	100.0400	60		09/12/95	2344
954165-10		0.80	ug/L	100.0400	80		09/13/95	0041
954165-11		7.90	ug/L	100.0400	79		09/13/95	0139

Surrogate	Test Matrix	Dilution Factor
Terphenyl-d14		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	50.09	ug/L	50.0600	100		09/11/95	1653
954165-8		29.64	ug/L	50.0600	59		09/11/95	1751
954165-9		33.81	ug/L	50.0600	68		09/11/95	1848
954165-10		9.02	ug/L	50.0600	180	X	09/11/95	1946
954165-11		9.97	ug/L	50.0600	199	X	09/11/95	2043
954165-8		32.40	ug/L	50.0600	65		09/12/95	2247
954165-9		38.97	ug/L	50.0600	78		09/12/95	2344
954165-10		0.77	ug/L	50.0600	154	X	09/13/95	0041
954165-11		11.36	ug/L	50.0600	227	X	09/13/95	0139



QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/20/95

Volatile Organics

Method 602/8020

Surrogate Recovery Limits

	Water	Soil
Bromofluorobenzene	89-110%	78-123%

Spike/Spike Duplicate Recovery Limits

	Water	Soil
Benzene	75-125%	75-125%
Ethylbenzene	75-125%	75-125%
Toluene	75-125%	75-125%
Xylenes	75-125%	75-125%

Method 8015 Modified

Spike/Spike Duplicate Recovery Limits

	Water	Soil
TVPH	81-124%	81-124%
TEPH	54-135%	54-135%

Method 624/8240/8260

Surrogate Recovery Limits

	Water	Soil
Dibromofluoromethane	86-118%	80-120%
Toluene- (d8)	88-110%	81-117%
4-Bromofluorobenzene	86-115%	74-121%

Spike/Spike Duplicate Recovery & RPD Limits

	Water		Soil	
	Recovery	RPD	Recovery	RPD
1,1-Dichloroethene	61-145%	14	59-172%	22
Trichloroethene	71-120%	14	62-137%	24
Benzene	76-127%	11	66-142%	21
Toluene	76-125%	13	59-139%	21
Chlorobenzene	75-130%	13	60-133%	21

Pesticides/PCB Organics

Method 608/8080

Surrogate Recovery Limits

	Water	Soil
Tetrachloro-m-xylene	60-150%	60-150%
4,4'-Dichlorobiphenyl	60-150%	60-150%



QUALITY ASSURANCE METHODS

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Method 8140

Surrogate Recovery Limits

	Water	Soil
Tributylphosphate	36-152%	36-152%
Triphenylphosphate	40-152%	40-152%

Base/Neutral/Acid Organics

Method 625/8270

Surrogate Recovery Limits

	Water	Soil
Nitrobenzene-d5	35-114%	23-120%
2-Fluorobiphenyl	43-116%	30-115%
4-Terphenyl-d14	33-141%	18-137%
Phenol-d6	10-94%	24-113%
2-Fluorophenol	21-100%	25-121%
2,4,6-Tribromophenol	10-123%	19-122%

Matrix Spike/Matrix Spike Duplicate Recovery & RPD Limits

	Water		Soil	
	Recovery	RPD	Recovery	RPD
Phenol	12-110%	42	26-90%	35
2-Chlorophenol	27-123%	40	25-102%	50
1,4-Dichlorobenzene	36-97%	28	28-104%	27
N-Nitroso-di-n-propylamine	41-116%	38	41-126%	38
1,2,4-Trichlorobenzene	39-98%	28	38-107%	23
4-Chloro-3-methylphenol	23-97%	42	26-103%	33
Acenaphthene	46-118%	31	31-137%	19
4-Nitrophenol	10-80%	50	11-114%	50
2,4-Dinitrotoluene	24-96%	38	28-89%	47
Pentachlorophenol	9-103%	50	17-109%	47
Pyrene	26-127%	31	35-142%	36

QUALITY ASSURANCE METHODS**REFERENCES AND NOTES**

Report Date: 09/20/95

- (1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
- (2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, 1989
- (3) Standard Methods for The Examination of Water and Wastewater, 17th Edition, 1989
- (4) EPA 600/4-80-032, Prescribed Procedures For Measurement Of Radioactivity In Drinking Water, August 1980
- (5) EPA 600/8-78-017, Microbiological Methods For Monitoring The Environment, December 1978
- (6) Federal Register, July 1, 1990 (40 CFR Part 136)
- (7) EPA 600/4-88-03, Methods For The Determination of Organics Compounds in Drinking Water, December 1988
- (8) U.S.G.S. Methods For Determination of Inorganic Substances In Water And Fluvial Sediments, Book 5, Chapter A1, 1985
- (9) Federal Register, Friday, June 7, 1991 (40 CFR Parts 141 & 142)
- (10) Standard Methods For The Examination of Water and Wastewater, 16th Edition, 1985
- (11) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
- (12) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
- (13) EPA SW-846, Test Methods For Evaluating Solid Waste, Third Edition, Revision 1, November 1990
- (14) ASTM, Section 5, Petroleum Products, Lubricants, and Fossil Fuels, Volume 05.05, Gaseous Fuels, Coal, and Coke



QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/20/95

(15) EPA 600/2-78-054, Field and Laboratory Methods Applicable To Overburdens and Mine Soils, March 1978

(16) ASTM, Part 19, Soils and Rocks; Building Stones, 1981

Comments: Data in the QA report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" in the QA report refers to the start time of the analytical batch which may not reflect the actual time of each analysis. The "Date Analyzed" is the actual date of analysis. Results for soil and sludge samples are reported on a wet weight basis (i.e. not corrected for percent moisture) unless otherwise indicated.

NC = Not Calculable Due to Value(s) lower than the Detection Limit.

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion Spike
SB	Spiked Blank
SBD	Spike Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard
CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interface Check Sample
ICL	Initial Calibration/Laboratory Control Sample
DSC	Distilled Standard Check



QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/20/95

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORY

CODE

Core Laboratories - Anaheim, CA	* AN
Core Laboratories - Casper, WY	* CA
Core Laboratories - Corpus Christi, TX	* CC
Core Laboratories - Houston, TX	* HP
Core Laboratories - Lake Charles, LA	* LC
Core Laboratories - Long Beach, CA	* LB
Other Subcontract Laboratories	* XX

EXPLANATION OF DATA FLAGS

- B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
- D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
- E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
- I - Used to indicate matrix interference.
- J - Indicates that a value is an estimate. It is used when a compound is determined to be present based on the mass spectral data, but at a concentration less than the practical quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
- X - Indicates that a surrogate recovery is outside the specified quality control limits.



QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/20/95

- Y - Used to identify a spike or spike duplicate recovery that is outside the specified quality control limits.
- Z - Indicates a relative percent difference for a spike and spike duplicate is outside the specified quality control limits.
- * - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
- ^ - Used to indicate that a standard is outside specified quality control limits.



CORE LABORATORIES

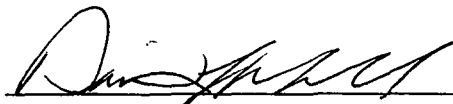
CORE LABORATORIES
ANALYTICAL REPORT

Job Number: 954178
Prepared For:

Daniel B. Stevens & Associates
Jeff Forbes
6020 Academy NE
Suite 100

Albuquerque, NM 87109

Date: 09/20/95


Signature

Name: David J. Marshall

Title: Project Coordinator

9.20.95
Date

CORE LABORATORIES, INC.
Analytical Chemistry Division
10703 East Bethany Drive
Aurora, CO 80014



CORE LABORATORIES, INC.

No. 27102

CHAIN OF CUSTODY RECORD

Note: This C-O-C is for 2 coolers.

CUSTOMER INFORMATION			PROJECT INFORMATION				NUMBER OF CONTAINERS	ANALYSIS / METHOD REQUEST										LAB JOB NO. 954178
COMPANY: Daniel B. Stephens Assoc.			PROJECT NAME/NUMBER: 4115.3															
SEND REPORT TO: Bob Marley			BILLING INFORMATION															
ADDRESS: 6020 Academy NE #100 Albuquerque, NM 87109			BILL TO: Same															
PHONE: (505) 822-9400			PHONE:															
FAX: 822-8877			FAX:				PO NO.:											
SAMPLE NO.	SAMPLE ID/DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERV.	REMARKS / PRECAUTIONS											
1 MW-3		8/22/95	1200	H ₂ O			10	X	X	X	X	X	X	X	X	X	*includes Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb, Sn, Se, TL, V, Zn	
2 MW-5			1445				10	X	X	X	X	X	X	X	X	X		
3 MW-6			1330				10	X	X	X	X	X	X	X	X	X		
4 MW-8			1600				10	X	X	X	X	X	X	X	X	X		
5 MW-99							9	X	X	X	X	X	X	X	X	X	only 1-2 liter amber glass	
10 VOA Trip Blank		8-11-95	1606	H ₂ O	40 ml	HCl	1	X										
6 MW-9, 60'-62'		8-22-95	1100	Soil	250 ml glass	None	1	X									Analyte for As, Ba, Cr, Pb only	
7 MW-7A, 10'-12'		8-22-95	0845	"	brass sleeve	"	2	X										
8 MW-7A 50-52		8-22-95	1104	"	"	"	2	X										
9 MW-7A 70-72		8-22-95	1345	"	"	"	2	X										
SAMPLER: VRF/JFK		SHIPMENT METHOD:				AIRBILL NO.:												
REQUIRED TURNAROUND: ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE OTHER																		
1. RELINQUISHED BY: SIGNATURE: Jeff Forbes		DATE: 8/23/95		2. RELINQUISHED BY: SIGNATURE:		DATE:		3. RELINQUISHED BY: SIGNATURE:		DATE:								
PRINTED NAME/COMPANY: Jeff Forbes DBS & A		TIME: 1330		PRINTED NAME/COMPANY:		TIME:		PRINTED NAME/COMPANY:		TIME:								
1. RECEIVED BY: SIGNATURE: Timothy L. Kellogg		DATE: 8/24/95		2. RECEIVED BY: SIGNATURE:		DATE:		3. RECEIVED BY: SIGNATURE:		DATE:								
PRINTED NAME/COMPANY: Timothy L. Kellogg Core Labs		TIME: 1000		PRINTED NAME/COMPANY:		TIME:		PRINTED NAME/COMPANY:		TIME:								

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

☐ Anaheim, California
1250 E. Gene Autry Way
Anaheim, California 92805
(714) 937-1094
(800) 404-2673

☐ Long Beach, California
3700 Cherry Avenue
Long Beach, California 90807
(310) 595-8401
(800) 814-3433

☒ Denver (Aurora), Colorado
10703 E. Bethany Drive
Aurora, Colorado 80014
(303) 751-1780
(800) 972-2673

☐ Casper, Wyoming
420 West 1st Street
Casper, Wyoming 82601
(307) 235-5741
(800) 666-0306

☐ Houston, Texas
8210 Mosley Road
Houston, Texas 77075
(713) 943-9776
(800) 734-2673

☐ Corpus Christi, Texas
1733 North Padre Island Drive
Corpus Christi, Texas 78408
(512) 289-2673
(800) 548-8228

☐ Lake Charles, Louisiana
3645 Beglis Parkway
Sulphur, Louisiana 70663
(318) 583-4926
(800) 259-4926

ORIGINAL



CORE LABORATORIES

J O B S A M P L E I N F O R M A T I O N

Report Date: 09/20/95

Job Number.....: 954178

Customer: Daniel B. Stevens & Associates

Job Receive Date.....: 08/25/95

Project Number.....: 95000185

Customer Project ID.....: 4115.3

Project Description.....: Roswell, NM Soils and Waters

Laboratory Sample ID.	Customer Sample ID.	Sample Matrix	Sample Date	Sample Time	Received Date	Received Time
954178-1	MW-3	Water	08/22/95	12:00	08/24/95	10:00
954178-2	MW-5	Water	08/22/95	14:45	08/24/95	10:00
954178-3	MW-6	Water	08/22/95	13:30	08/24/95	10:00
954178-4	MW-8	Water	08/22/95	16:00	08/24/95	10:00
954178-5	MW-99	Water	08/22/95	00:00	08/24/95	10:00
954178-6	MW-9, 60'-62'	Soil	08/22/95	11:00	08/24/95	10:00
954178-7	MW-7A, 10'-12'	Soil	08/22/95	08:45	08/24/95	10:00
954178-8	MW-7A, 50'-52'	Soil	08/22/95	11:04	08/24/95	10:00
954178-9	MW-7A, 70'-72'	Soil	08/22/95	13:45	08/24/95	10:00
954178-10	TRIP BLANK	Water	08/11/95	00:00	08/24/95	10:00



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-3
Sample Date.....: 08/22/95
Sample Time.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID.: 954178-1
Date Received.....: 08/24/95
Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Alkalinity, Total as CaCO ₃	Unfiltered	116	5	mg/L CaCO ₃	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO ₃)	Unfiltered	142	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO ₃)	Unfiltered	<1	1	mg/L	SM 2320 B	09/01/95 1600	sgm
Hydroxide (OH)	Unfiltered	<1	1	mg/L	SM 2320 B	09/01/95 1600	sgm
Chloride	Unfiltered	405	3	mg/L	EPA 325.2	09/05/95 1510	sgm
Nitrate + Nitrite as N	Unfiltered	0.80	0.05	mg/L	EPA 353.2	08/29/95 0932	sgm
Solids, Total Dissolved (TDS)	Filtered	3650	10	mg/L	EPA 160.1	08/28/95 0900	sgm
Sulfate (SO ₄)	Unfiltered	1800	200	mg/L	EPA 375.2	09/01/95 1048	sgm
Sulfide	Unfiltered	<0.05	0.05	mg/L	EPA 376.2	08/29/95 0700	pjm
Acid Digestion, Total Metals		completed	0	Not Applicable	SW-846 3010	09/01/95 1100	lmt
Mercury (Hg)		0.0002	0.0002	mg/L	SW-846 7470	09/06/95 0914	lmt
Aluminum (Al)	Total	0.24	0.05	mg/L	SW-846 6010	09/12/95 0001	gag
Antimony (Sb)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0001	gag
Arsenic (As)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0001	gag
Barium (Ba)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0001	gag
Beryllium (Be)	Total	<0.005	0.005	mg/L	SW-846 6010	09/12/95 0001	gag



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-3
Sample Date.....: 08/22/95
Sample Time.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID.: 954178-1
Date Received.....: 08/24/95
Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cadmium (Cd)	Total	<0.005	0.005	mg/L	SW-846 6010	09/12/95 0001	gag
Calcium (Ca)	Total	587	0.5	mg/L	SW-846 6010	09/11/95 1519	lmt
Chromium (Cr)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0001	gag
Cobalt (Co)	Total	<0.03	0.03	mg/L	SW-846 6010	09/12/95 0001	gag
Copper (Cu)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0001	gag
Lead (Pb)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0001	gag
Magnesium (Mg)	Total	136	0.1	mg/L	SW-846 6010	09/11/95 1516	lmt
Nickel (Ni)	Total	<0.04	0.04	mg/L	SW-846 6010	09/12/95 0001	gag
Potassium (K)	Total	3.2	0.3	mg/L	SW-846 6010	09/12/95 0001	gag
Selenium (Se)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0001	gag
Silver (Ag)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0001	gag
Sodium (Na)	Total	215	1	mg/L	SW-846 6010	09/11/95 1516	lmt
Thallium (Tl)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0001	gag
Tin (Sn)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0001	gag
Vanadium (V)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0001	gag
Zinc (Zn)	Total	0.03	0.01	mg/L	SW-846 6010	09/12/95 0001	gag



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-3
 Sample Date.....: 08/22/95
 Sample Time.....: 12:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-1
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cyanide (Colorimetric, Manual) Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L	SW-846 9010	08/28/95 1000	kds
Extraction (Sep. Funnel) Chlor. Pest Separatory Funnel Liq/Liq Extraction		ND		Not Applicable	SW-846 3510	08/29/95	mla
Pesticide/PCB Analysis (Organochlorine)					SW-846 8080		smc
Aldrin		ND	0.04	ug/L		09/13/95 1800	
beta-BHC		ND	0.06	ug/L		09/13/95 1800	
delta-BHC		ND	0.09	ug/L		09/13/95 1800	
alpha-BHC		ND	0.03	ug/L		09/13/95 1800	
gamma-BHC (Lindane)		ND	0.04	ug/L		09/13/95 1800	
Chlordane		ND	0.14	ug/L		09/13/95 1800	
4,4'-DDD		ND	0.11	ug/L		09/13/95 1800	
4,4'-DDE		ND	0.04	ug/L		09/13/95 1800	
4,4'-DDT		ND	0.12	ug/L		09/13/95 1800	
Dieldrin		ND	0.02	ug/L		09/13/95 1800	
Endosulfan I		ND	0.14	ug/L		09/13/95 1800	
Endosulfan II		ND	0.04	ug/L		09/13/95 1800	
Endosulfan sulfate		ND	0.66	ug/L		09/13/95 1800	
Endrin		ND	0.06	ug/L		09/13/95 1800	
Endrin aldehyde		ND	0.23	ug/L		09/13/95 1800	
Heptachlor		ND	0.03	ug/L		09/13/95 1800	
Heptachlor epoxide		ND	0.83	ug/L		09/13/95 1800	
Methoxychlor		ND	1.8	ug/L		09/13/95 1800	
Toxaphene		ND	2.4	ug/L		09/13/95 1800	
Aroclor 1016		ND	0.5	ug/L		09/13/95 1800	
Aroclor 1221		ND	0.5	ug/L		09/13/95 1800	
Aroclor 1232		ND	0.5	ug/L		09/13/95 1800	
Aroclor 1242		ND	0.5	ug/L		09/13/95 1800	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-3
Sample Date.....: 08/22/95
Sample Time.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID.: 954178-1
Date Received.....: 08/24/95
Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Aroclor 1248		ND	0.5	ug/L		09/13/95 1800	
Aroclor 1254		ND	0.5	ug/L		09/13/95 1800	
Aroclor 1260		ND	0.5	ug/L		09/13/95 1800	
Extraction (Sep. Funnel) SVOC					SW-846 3510		mla
Separatory Funnel Liq/Liq Extraction		ND	0	Not Applicable		08/29/95	
Semivolatile Organics (Client List)					SW-846 8270		mla
Acenaphthene		ND	10	ug/L		09/09/95 1311	
Acenaphthylene		ND	10	ug/L		09/09/95 1311	
Acetophenone		ND	10	ug/L		09/09/95 1311	
4-Aminobiphenyl		ND	10	ug/L		09/09/95 1311	
Aniline		ND	10	ug/L		09/09/95 1311	
Anthracene		ND	10	ug/L		09/09/95 1311	
Benzidine		ND	50	ug/L		09/09/95 1311	
Benzo(a)anthracene		ND	10	ug/L		09/09/95 1311	
Benzo(b)fluoranthene		ND	10	ug/L		09/09/95 1311	
Benzo(j)fluoranthene		ND	10	ug/L		09/09/95 1311	
Benzo(k)fluoranthene		ND	10	ug/L		09/09/95 1311	
Benzo(ghi)perylene		ND	10	ug/L		09/09/95 1311	
Benzo(a)pyrene		ND	10	ug/L		09/09/95 1311	
Benzyl alcohol		ND	10	ug/L		09/09/95 1311	
Butyl benzyl phthalate		ND	10	ug/L		09/09/95 1311	
Bis(2-chloroethoxy)methane		ND	10	ug/L		09/09/95 1311	
Bis(2-chloroethyl)ether		ND	10	ug/L		09/09/95 1311	
Bis(2-chloroisopropyl)ether		ND	10	ug/L		09/09/95 1311	
Bis(2-ethylhexyl)phthalate		ND	10	ug/L		09/09/95 1311	
4-Bromophenyl phenyl ether		ND	10	ug/L		09/09/95 1311	
4-Chloroaniline		ND	10	ug/L		09/09/95 1311	
Chlorobenzilate		ND	10	ug/L		09/09/95 1311	
1-Chloronaphthalene		ND	10	ug/L		09/09/95 1311	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-3
Sample Date.....: 08/22/95
Sample Time.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID.: 954178-1
Date Received.....: 08/24/95
Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloronaphthalene		ND	10	ug/L		09/09/95 1311	
4-Chlorophenyl phenyl ether		ND	10	ug/L		09/09/95 1311	
Chrysene		ND	10	ug/L		09/09/95 1311	
Diallate		ND	10	ug/L		09/09/95 1311	
Dibenzo(a,j)acridine		ND	10	ug/L		09/14/95 2133	
Dibenzo(a,h)anthracene		ND	10	ug/L		09/09/95 1311	
Dibenzofuran		ND	10	ug/L		09/09/95 1311	
1,2-Dichlorobenzene		ND	10	ug/L		09/09/95 1311	
1,3-Dichlorobenzene		ND	10	ug/L		09/09/95 1311	
1,4-Dichlorobenzene		ND	10	ug/L		09/09/95 1311	
3,3-Dichlorobenzidine		ND	20	ug/L		09/09/95 1311	
Diethyl phthalate		ND	10	ug/L		09/09/95 1311	
p-Dimethylaminoazobenzene		ND	10	ug/L		09/09/95 1311	
Dimethoate		ND	20	ug/L		09/09/95 1311	
7,12-Dimethylbenz(a)anthracene		ND	10	ug/L		09/09/95 1311	
alpha, alpha-Dimethylphenethylamine		ND	10	ug/L		09/09/95 1311	
Dimethyl phthalate		ND	10	ug/L		09/09/95 1311	
Di-n-butyl phthalate		ND	10	ug/L		09/09/95 1311	
Di-n-octyl phthalate		ND	10	ug/L		09/09/95 1311	
2,4-Dinitrotoluene		ND	10	ug/L		09/09/95 1311	
2,6-Dinitrotoluene		ND	10	ug/L		09/09/95 1311	
Dinoseb (DNBP)		ND	20	ug/L		09/09/95 1311	
Diphenylamine		ND	10	ug/L		09/09/95 1311	
1,2-Diphenylhydrazine		ND	10	ug/L		09/09/95 1311	
Disulfoton		ND	10	ug/L		09/09/95 1311	
Ethyl methane sulfonate		ND	20	ug/L		09/09/95 1311	
Fluoranthene		ND	10	ug/L		09/09/95 1311	
Fluorene		ND	10	ug/L		09/09/95 1311	
Hexachlorobenzene		ND	10	ug/L		09/09/95 1311	
Hexachlorobutadiene		ND	10	ug/L		09/09/95 1311	
Hexachlorocyclopentadiene		ND	10	ug/L		09/09/95 1311	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-3
 Sample Date.....: 08/22/95
 Sample Time.....: 12:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-1
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Hexachloroethane		ND	10	ug/L		09/09/95 1311	
Hexachlorophene		ND	100	ug/L		09/14/95 2133	
Hexachloropropene		ND	10	ug/L		09/09/95 1311	
Indeno(1,2,3-cd)pyrene		ND	10	ug/L		09/09/95 1311	
Isodrin		ND	10	ug/L		09/09/95 1311	
Isophorone		ND	10	ug/L		09/09/95 1311	
Isosafrole		ND	10	ug/L		09/09/95 1311	
Kepone		ND	50	ug/L		09/14/95 2133	
Methapyrilene		ND	10	ug/L		09/09/95 1311	
3-Methylcholanthrene		ND	10	ug/L		09/09/95 1311	
Methyl methane sulfonate		ND	10	ug/L		09/09/95 1311	
2-Methylnaphthalene		ND	10	ug/L		09/09/95 1311	
Naphthalene		ND	10	ug/L		09/09/95 1311	
1,4-Naphthoquinone		ND	10	ug/L		09/09/95 1311	
1-Naphthylamine		ND	10	ug/L		09/09/95 1311	
2-Naphthylamine		ND	10	ug/L		09/09/95 1311	
o-Nitroaniline		ND	50	ug/L		09/09/95 1311	
m-Nitroaniline		ND	50	ug/L		09/09/95 1311	
p-Nitroaniline		ND	50	ug/L		09/09/95 1311	
Nitrobenzene		ND	10	ug/L		09/09/95 1311	
4-Nitroquinoline-1-oxide		ND	10	ug/L		09/09/95 1311	
n-Nitrosodi-n-butylamine		ND	10	ug/L		09/09/95 1311	
n-Nitrosodiethylamine		ND	10	ug/L		09/09/95 1311	
n-Nitrosodimethylamine		ND	10	ug/L		09/09/95 1311	
n-Nitrosomethylethylamine		ND	10	ug/L		09/09/95 1311	
n-Nitrosomorpholine		ND	10	ug/L		09/09/95 1311	
n-Nitrosodi-n-propylamine		ND	10	ug/L		09/09/95 1311	
n-Nitrosodiphenylamine		ND	10	ug/L		09/09/95 1311	
n-Nitrosopiperidine		ND	10	ug/L		09/09/95 1311	
n-Nitrosopyrrolidine		ND	10	ug/L		09/09/95 1311	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1311	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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 Sample Time.....: 12:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-1
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Ethyl parathion		ND	10	ug/L		09/09/95 1311	
Pentachlorobenzene		ND	10	ug/L		09/09/95 1311	
Pentachloronitrobenzene		ND	10	ug/L		09/09/95 1311	
Phenacetin		ND	10	ug/L		09/09/95 1311	
Phenanthrene		ND	10	ug/L		09/09/95 1311	
p-Phenylenediamine		ND	10	ug/L		09/09/95 1311	
Phorate		ND	10	ug/L		09/09/95 1311	
2-Picoline		ND	10	ug/L		09/09/95 1311	
Pronamide		ND	10	ug/L		09/09/95 1311	
Pyrene		ND	10	ug/L		09/09/95 1311	
Pyridine		ND	10	ug/L		09/09/95 1311	
Safrole		ND	10	ug/L		09/09/95 1311	
1,2,4,5-Tetrachlorobenzene		ND	10	ug/L		09/09/95 1311	
o-Toluidine		ND	10	ug/L		09/09/95 1311	
1,2,4-Trichlorobenzene		ND	10	ug/L		09/09/95 1311	
0,0,0-Triethyl phosphorothioate		ND	10	ug/L		09/09/95 1311	
1,3,5-Trinitrobenzene		ND	10	ug/L		09/09/95 1311	
Benzoic acid		ND	50	ug/L		09/09/95 1311	
4-Chloro-3-methylphenol		ND	10	ug/L		09/09/95 1311	
2-Chlorophenol		ND	10	ug/L		09/09/95 1311	
2,4-Dichlorophenol		ND	10	ug/L		09/09/95 1311	
2,6-Dichlorophenol		ND	10	ug/L		09/09/95 1311	
2,4-Dimethylphenol		ND	10	ug/L		09/09/95 1311	
2,4-Dinitrophenol		ND	50	ug/L		09/09/95 1311	
2-Methyl-4,6-dinitrophenol		ND	50	ug/L		09/09/95 1311	
2-Methylphenol (o-cresol)		ND	10	ug/L		09/09/95 1311	
3 & 4 Methylphenol (m&p cresol)		ND	10	ug/L		09/09/95 1311	
2-Nitrophenol		ND	10	ug/L		09/09/95 1311	
4-Nitrophenol		ND	50	ug/L		09/09/95 1311	
Pentachlorophenol		ND	50	ug/L		09/09/95 1311	
Phenol		ND	10	ug/L		09/09/95 1311	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

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Customer Sample ID.: MW-3
Sample Date.....: 08/22/95
Sample Time.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID.: 954178-1
Date Received.....: 08/24/95
Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2,3,4,6-Tetrachlorophenol		ND	10	ug/L		09/09/95 1311	
2,4,5-Trichlorophenol		ND	10	ug/L		09/09/95 1311	
2,4,6-Trichlorophenol		ND	10	ug/L		09/09/95 1311	
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile		ND	100	ug/L		09/01/95 2124	
Acrolein		ND	50	ug/L		09/01/95 2124	
Acrylonitrile		ND	20	ug/L		09/01/95 2124	
Acetone		ND	100	ug/L		09/01/95 2124	
Allyl chloride		ND	20	ug/L		09/01/95 2124	
Benzene		ND	5	ug/L		09/01/95 2124	
Benzyl chloride		ND	5	ug/L		09/01/95 2124	
Bromobenzene		ND	5	ug/L		09/01/95 2124	
Bromochloromethane		ND	5	ug/L		09/01/95 2124	
Bromodichloromethane		ND	5	ug/L		09/01/95 2124	
Bromoform		ND	5	ug/L		09/01/95 2124	
Bromomethane		ND	10	ug/L		09/01/95 2124	
Methyl ethyl ketone (2-Butanone)		ND	100	ug/L		09/01/95 2124	
Carbon disulfide		ND	5	ug/L		09/01/95 2124	
Carbon tetrachloride		ND	5	ug/L		09/01/95 2124	
Chlorobenzene		ND	5	ug/L		09/01/95 2124	
Chloroethane		ND	10	ug/L		09/01/95 2124	
2-Chloroethylvinyl ether		ND	5	ug/L		09/01/95 2124	
Chloroform		ND	5	ug/L		09/01/95 2124	
Chloromethane		ND	5	ug/L		09/01/95 2124	
2-Chloro-1,3-butadiene (chloroprene)		ND	5	ug/L		09/01/95 2124	
Dibromochloromethane		ND	5	ug/L		09/01/95 2124	
1,2-Dibromoethane (EDB)		ND	20	ug/L		09/01/95 2124	
1,2-Dibromo-3-chloropropane		ND	20	ug/L		09/01/95 2124	
Dibromomethane		ND	5	ug/L		09/01/95 2124	
trans-1,4-Dichloro-2-butene		ND	50	ug/L		09/01/95 2124	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-3
 Sample Date.....: 08/22/95
 Sample Time.....: 12:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-1
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Dichlorodifluoromethane		ND	10	ug/L		09/01/95 2124	
1,1-Dichloroethane		ND	5	ug/L		09/01/95 2124	
1,2-Dichloroethane		ND	5	ug/L		09/01/95 2124	
1,1-Dichloroethene		ND	5	ug/L		09/01/95 2124	
cis-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2124	
trans-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2124	
1,2-Dichloropropane		ND	5	ug/L		09/01/95 2124	
cis-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2124	
trans-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2124	
Ethylbenzene		ND	5	ug/L		09/01/95 2124	
Ethyl methacrylate		ND	5	ug/L		09/01/95 2124	
2-Hexanone		ND	50	ug/L		09/01/95 2124	
Iodomethane		ND	5	ug/L		09/01/95 2124	
Isobutyl alcohol		ND	50	ug/L		09/01/95 2124	
Methylacrylonitrile		ND	50	ug/L		09/01/95 2124	
Methylene chloride		ND	5	ug/L		09/01/95 2124	
Methyl methacrylate		ND	5	ug/L		09/01/95 2124	
4-Methyl-2-pentanone (MIBK)		ND	50	ug/L		09/01/95 2124	
Pentachloroethane		ND	5	ug/L		09/01/95 2124	
Propionitrile		ND	100	ug/L		09/01/95 2124	
Styrene		ND	5	ug/L		09/01/95 2124	
1,1,1,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2124	
1,1,2,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2124	
Tetrachloroethene		ND	5	ug/L		09/01/95 2124	
Toluene		ND	5	ug/L		09/01/95 2124	
1,1,1-Trichloroethane		ND	5	ug/L		09/01/95 2124	
1,1,2-Trichloroethane		ND	5	ug/L		09/01/95 2124	
Trichloroethene		ND	5	ug/L		09/01/95 2124	
Trichlorofluoromethane		ND	10	ug/L		09/01/95 2124	
1,2,3-Trichloropropane		ND	5	ug/L		09/01/95 2124	
Vinyl acetate		ND	50	ug/L		09/01/95 2124	



Report Date: 09/20/95

ATTN: Jeff Forbes

Laboratory Sample ID.: 954178-1
Date Received.....: 08/24/95
Time Received.....: 10:00

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CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-5
 Sample Date.....: 08/22/95
 Sample Time.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-2
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Alkalinity, Total as CaCO ₃	Unfiltered	122	5	mg/L CaCO ₃	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO ₃)	Unfiltered	149	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO ₃)	Unfiltered	<1	1	mg/L	SM 2320 B	09/01/95 1600	sgm
Hydroxide (OH)	Unfiltered	<1	1	mg/L	SM 2320 B	09/01/95 1600	sgm
Chloride	Unfiltered	574	3	mg/L	EPA 325.2	09/05/95 1524	sgm
Nitrate + Nitrite as N	Unfiltered	3.10	0.05	mg/L	EPA 353.2	08/29/95 1018	sgm
Solids, Total Dissolved (TDS)	Filtered	3440	10	mg/L	EPA 160.1	08/28/95 0900	sgm
Sulfate (SO ₄)	Unfiltered	1800	200	mg/L	EPA 375.2	09/01/95 1155	sgm
Sulfide	Unfiltered	<0.05	0.05	mg/L	EPA 376.2	08/29/95 0700	pjm
Acid Digestion, Total Metals		completed	0	Not Applicable	SW-846 3010	09/01/95 1100	lmt
Mercury (Hg)	Total	<0.0002	0.0002	mg/L	SW-846 7470	09/06/95 0918	lmt
Aluminum (Al)	Total	0.38	0.05	mg/L	SW-846 6010	09/12/95 0006	gag
Antimony (Sb)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0006	gag
Arsenic (As)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0006	gag
Barium (Ba)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0006	gag
Beryllium (Be)	Total	<0.005	0.005	mg/L	SW-846 6010	09/12/95 0006	gag



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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Sample Date.....: 08/22/95
Sample Time.....: 14:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954178-2
Date Received.....: 08/24/95
Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cadmium (Cd)	Total	<0.005	0.005	mg/L	SW-846 6010	09/12/95 0006	gag
Calcium (Ca)	Total	623	0.5	mg/L	SW-846 6010	09/11/95 1530	lmt
Chromium (Cr)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0006	gag
Cobalt (Co)	Total	<0.03	0.03	mg/L	SW-846 6010	09/12/95 0006	gag
Copper (Cu)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0006	gag
Lead (Pb)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0006	gag
Magnesium (Mg)	Total	145	0.1	mg/L	SW-846 6010	09/11/95 1523	lmt
Nickel (Ni)	Total	<0.04	0.04	mg/L	SW-846 6010	09/12/95 0006	gag
Potassium (K)	Total	3.8	0.3	mg/L	SW-846 6010	09/12/95 0006	gag
Selenium (Se)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0006	gag
Silver (Ag)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0006	gag
Sodium (Na)	Total	204	1	mg/L	SW-846 6010	09/11/95 1523	lmt
Thallium (Tl)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0006	gag
Tin (Sn)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0006	gag
Vanadium (V)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0006	gag
Zinc (Zn)	Total	0.01	0.01	mg/L	SW-846 6010	09/12/95 0006	gag



CORE LABORATORIES

LABORATORY TESTS RESULTS

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Sample Date.....: 08/22/95
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Laboratory Sample ID.: 954178-2
Date Received.....: 08/24/95
Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cyanide (Colorimetric, Manual) Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L	SW-846 9010	08/28/95 1000	kds
Extraction (Sep. Funnel) Chlor. Pest Separatory Funnel Liq/Liq Extraction		ND		Not Applicable	SW-846 3510	08/29/95	mla
Pesticide/PCB Analysis (Organochlorine)					SW-846 8080		smc
Aldrin		ND	0.04	ug/L		09/13/95 1829	
beta-BHC		ND	0.06	ug/L		09/13/95 1829	
delta-BHC		ND	0.09	ug/L		09/13/95 1829	
alpha-BHC		ND	0.03	ug/L		09/13/95 1829	
gamma-BHC (Lindane)		ND	0.04	ug/L		09/13/95 1829	
Chlordane		ND	0.14	ug/L		09/13/95 1829	
4,4'-DDD		ND	0.11	ug/L		09/13/95 1829	
4,4'-DDE		ND	0.04	ug/L		09/13/95 1829	
4,4'-DDT		ND	0.12	ug/L		09/13/95 1829	
Dieldrin		ND	0.02	ug/L		09/13/95 1829	
Endosulfan I		ND	0.14	ug/L		09/13/95 1829	
Endosulfan II		ND	0.04	ug/L		09/13/95 1829	
Endosulfan sulfate		ND	0.66	ug/L		09/13/95 1829	
Endrin		ND	0.06	ug/L		09/13/95 1829	
Endrin aldehyde		ND	0.23	ug/L		09/13/95 1829	
Heptachlor		ND	0.03	ug/L		09/13/95 1829	
Heptachlor epoxide		ND	0.83	ug/L		09/13/95 1829	
Methoxychlor		ND	1.8	ug/L		09/13/95 1829	
Toxaphene		ND	2.4	ug/L		09/13/95 1829	
Aroclor 1016		ND	0.5	ug/L		09/13/95 1829	
Aroclor 1221		ND	0.5	ug/L		09/13/95 1829	
Aroclor 1232		ND	0.5	ug/L		09/13/95 1829	
Aroclor 1242		ND	0.5	ug/L		09/13/95 1829	



CORE LABORATORIES

LABORATORY TESTS RESULTS

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 Sample Date.....: 08/22/95
 Sample Time.....: 14:45
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-2
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Aroclor 1248		ND	0.5	ug/L		09/13/95 1829	
Aroclor 1254		ND	0.5	ug/L		09/13/95 1829	
Aroclor 1260		ND	0.5	ug/L		09/13/95 1829	
Extraction (Sep. Funnel) SVOC Separatory Funnel Liq/Liq Extraction		ND	0	Not Applicable	SW-846 3510	08/29/95	mla
Semivolatile Organics (Client List)					SW-846 8270		mla
Acenaphthene		ND	10	ug/L		09/09/95 1409	
Acenaphthylene		ND	10	ug/L		09/09/95 1409	
Acetophenone		ND	10	ug/L		09/09/95 1409	
4-Aminobiphenyl		ND	10	ug/L		09/09/95 1409	
Aniline		ND	10	ug/L		09/09/95 1409	
Anthracene		ND	10	ug/L		09/09/95 1409	
Benzidine		ND	50	ug/L		09/09/95 1409	
Benzo(a)anthracene		ND	10	ug/L		09/09/95 1409	
Benzo(b)fluoranthene		ND	10	ug/L		09/09/95 1409	
Benzo(j)fluoranthene		ND	10	ug/L		09/09/95 1409	
Benzo(k)fluoranthene		ND	10	ug/L		09/09/95 1409	
Benzo(ghi)perylene		ND	10	ug/L		09/09/95 1409	
Benzo(a)pyrene		ND	10	ug/L		09/09/95 1409	
Benzyl alcohol		ND	10	ug/L		09/09/95 1409	
Butyl benzyl phthalate		ND	10	ug/L		09/09/95 1409	
Bis(2-chloroethoxy)methane		ND	10	ug/L		09/09/95 1409	
Bis(2-chloroethyl)ether		ND	10	ug/L		09/09/95 1409	
Bis(2-chloroisopropyl)ether		ND	10	ug/L		09/09/95 1409	
Bis(2-ethylhexyl)phthalate		ND	10	ug/L		09/09/95 1409	
4-Bromophenyl phenyl ether		ND	10	ug/L		09/09/95 1409	
4-Chloroaniline		ND	10	ug/L		09/09/95 1409	
Chlorobenzilate		ND	10	ug/L		09/09/95 1409	
1-Chloronaphthalene		ND	10	ug/L		09/09/95 1409	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-5
 Sample Date.....: 08/22/95
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Laboratory Sample ID.: 954178-2
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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloronaphthalene		ND	10	ug/L		09/09/95 1409	
4-Chlorophenyl phenyl ether		ND	10	ug/L		09/09/95 1409	
Chrysene		ND	10	ug/L		09/09/95 1409	
Diallate		ND	10	ug/L		09/09/95 1409	
Dibenzo(a,j)acridine		ND	10	ug/L		09/14/95 2201	
Dibenzo(a,h)anthracene		ND	10	ug/L		09/09/95 1409	
Dibenzofuran		ND	10	ug/L		09/09/95 1409	
1,2-Dichlorobenzene		ND	10	ug/L		09/09/95 1409	
1,3-Dichlorobenzene		ND	10	ug/L		09/09/95 1409	
1,4-Dichlorobenzene		ND	10	ug/L		09/09/95 1409	
3,3-Dichlorobenzidine		ND	20	ug/L		09/09/95 1409	
Diethyl phthalate		ND	10	ug/L		09/09/95 1409	
p-Dimethylaminoazobenzene		ND	10	ug/L		09/09/95 1409	
Dimethoate		ND	20	ug/L		09/09/95 1409	
7,12-Dimethylbenz(a)anthracene		ND	10	ug/L		09/09/95 1409	
alpha, alpha-Dimethylphenethylamine		ND	10	ug/L		09/09/95 1409	
Dimethyl phthalate		ND	10	ug/L		09/09/95 1409	
Di-n-butyl phthalate		ND	10	ug/L		09/09/95 1409	
Di-n-octyl phthalate		ND	10	ug/L		09/09/95 1409	
2,4-Dinitrotoluene		ND	10	ug/L		09/09/95 1409	
2,6-Dinitrotoluene		ND	10	ug/L		09/09/95 1409	
Dinoseb (DNBP)		ND	20	ug/L		09/09/95 1409	
Diphenylamine		ND	10	ug/L		09/09/95 1409	
1,2-Diphenylhydrazine		ND	10	ug/L		09/09/95 1409	
Disulfoton		ND	10	ug/L		09/09/95 1409	
Ethyl methane sulfonate		ND	20	ug/L		09/09/95 1409	
Fluoranthene		ND	10	ug/L		09/09/95 1409	
Fluorene		ND	10	ug/L		09/09/95 1409	
Hexachlorobenzene		ND	10	ug/L		09/09/95 1409	
Hexachlorobutadiene		ND	10	ug/L		09/09/95 1409	
Hexachlorocyclopentadiene		ND	10	ug/L		09/09/95 1409	



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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Hexachloroethane		ND	10	ug/L		09/09/95 1409	
Hexachlorophene		ND	100	ug/L		09/14/95 2201	
Hexachloropropene		ND	10	ug/L		09/09/95 1409	
Indeno(1,2,3-cd)pyrene		ND	10	ug/L		09/09/95 1409	
Isodrin		ND	10	ug/L		09/09/95 1409	
Isophorone		ND	10	ug/L		09/09/95 1409	
Isosafrole		ND	10	ug/L		09/09/95 1409	
Kepone		ND	50	ug/L		09/14/95 2201	
Methapyrilene		ND	10	ug/L		09/09/95 1409	
3-Methylcholanthrene		ND	10	ug/L		09/09/95 1409	
Methyl methane sulfonate		ND	10	ug/L		09/09/95 1409	
2-Methylnaphthalene		ND	10	ug/L		09/09/95 1409	
Naphthalene		ND	10	ug/L		09/09/95 1409	
1,4-Naphthoquinone		ND	10	ug/L		09/09/95 1409	
1-Naphthylamine		ND	10	ug/L		09/09/95 1409	
2-Naphthylamine		ND	10	ug/L		09/09/95 1409	
o-Nitroaniline		ND	50	ug/L		09/09/95 1409	
m-Nitroaniline		ND	50	ug/L		09/09/95 1409	
p-Nitroaniline		ND	50	ug/L		09/09/95 1409	
Nitrobenzene		ND	10	ug/L		09/09/95 1409	
4-Nitroquinoline-1-oxide		ND	10	ug/L		09/09/95 1409	
n-Nitrosodi-n-butylamine		ND	10	ug/L		09/09/95 1409	
n-Nitrosodiethylamine		ND	10	ug/L		09/09/95 1409	
n-Nitrosodimethylamine		ND	10	ug/L		09/09/95 1409	
n-Nitrosomethylethylamine		ND	10	ug/L		09/09/95 1409	
n-Nitrosomorpholine		ND	10	ug/L		09/09/95 1409	
n-Nitrosodi-n-propylamine		ND	10	ug/L		09/09/95 1409	
n-Nitrosodiphenylamine		ND	10	ug/L		09/09/95 1409	
n-Nitrosopiperidine		ND	10	ug/L		09/09/95 1409	
n-Nitrosopyrrolidine		ND	10	ug/L		09/09/95 1409	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1409	



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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Ethyl parathion		ND	10	ug/L		09/09/95 1409	
Pentachlorobenzene		ND	10	ug/L		09/09/95 1409	
Pentachloronitrobenzene		ND	10	ug/L		09/09/95 1409	
Phenacetin		ND	10	ug/L		09/09/95 1409	
Phenanthrene		ND	10	ug/L		09/09/95 1409	
p-Phenylenediamine		ND	10	ug/L		09/09/95 1409	
Phorate		ND	10	ug/L		09/09/95 1409	
2-Picoline		ND	10	ug/L		09/09/95 1409	
Pronamide		ND	10	ug/L		09/09/95 1409	
Pyrene		ND	10	ug/L		09/09/95 1409	
Pyridine		ND	10	ug/L		09/09/95 1409	
Safrole		ND	10	ug/L		09/09/95 1409	
1,2,4,5-Tetrachlorobenzene		ND	10	ug/L		09/09/95 1409	
o-Toluidine		ND	10	ug/L		09/09/95 1409	
1,2,4-Trichlorobenzene		ND	10	ug/L		09/09/95 1409	
O,O,O-Triethyl phosphorothioate		ND	10	ug/L		09/09/95 1409	
1,3,5-Trinitrobenzene		ND	10	ug/L		09/09/95 1409	
Benzoic acid		ND	50	ug/L		09/09/95 1409	
4-Chloro-3-methylphenol		ND	10	ug/L		09/09/95 1409	
2-Chlorophenol		ND	10	ug/L		09/09/95 1409	
2,4-Dichlorophenol		ND	10	ug/L		09/09/95 1409	
2,6-Dichlorophenol		ND	10	ug/L		09/09/95 1409	
2,4-Dimethylphenol		ND	10	ug/L		09/09/95 1409	
2,4-Dinitrophenol		ND	50	ug/L		09/09/95 1409	
2-Methyl-4,6-dinitrophenol		ND	50	ug/L		09/09/95 1409	
2-Methylphenol (o-cresol)		ND	10	ug/L		09/09/95 1409	
3 & 4 Methylphenol (m&p cresol)		ND	10	ug/L		09/09/95 1409	
2-Nitrophenol		ND	10	ug/L		09/09/95 1409	
4-Nitrophenol		ND	50	ug/L		09/09/95 1409	
Pentachlorophenol		ND	50	ug/L		09/09/95 1409	
Phenol		ND	10	ug/L		09/09/95 1409	



CORE LABORATORIES

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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2,3,4,6-Tetrachlorophenol		ND	10	ug/L	SW-846 8240	09/09/95 1409	bfr
2,4,5-Trichlorophenol		ND	10	ug/L		09/09/95 1409	
2,4,6-Trichlorophenol		ND	10	ug/L		09/09/95 1409	
Volatile Organics (Client Requested)							
Acetonitrile		ND	100	ug/L		09/01/95 2156	
Acrolein		ND	50	ug/L		09/01/95 2156	
Acrylonitrile		ND	20	ug/L		09/01/95 2156	
Acetone		ND	100	ug/L		09/01/95 2156	
Allyl chloride		ND	20	ug/L		09/01/95 2156	
Benzene		ND	5	ug/L		09/01/95 2156	
Benzyl chloride		ND	5	ug/L		09/01/95 2156	
Bromobenzene		ND	5	ug/L		09/01/95 2156	
Bromochloromethane		ND	5	ug/L		09/01/95 2156	
Bromodichloromethane		ND	5	ug/L		09/01/95 2156	
Bromoform		ND	5	ug/L		09/01/95 2156	
Bromomethane		ND	10	ug/L		09/01/95 2156	
Methyl ethyl ketone (2-Butanone)		ND	100	ug/L		09/01/95 2156	
Carbon disulfide		ND	5	ug/L		09/01/95 2156	
Carbon tetrachloride		ND	5	ug/L		09/01/95 2156	
Chlorobenzene		ND	5	ug/L		09/01/95 2156	
Chloroethane		ND	10	ug/L		09/01/95 2156	
2-Chloroethylvinyl ether		ND	5	ug/L		09/01/95 2156	
Chloroform		ND	5	ug/L		09/01/95 2156	
Chloromethane		ND	5	ug/L		09/01/95 2156	
2-Chloro-1,3-butadiene (chloroprene)		ND	5	ug/L		09/01/95 2156	
Dibromochloromethane		ND	5	ug/L		09/01/95 2156	
1,2-Dibromoethane (EDB)		ND	20	ug/L		09/01/95 2156	
1,2-Dibromo-3-chloropropane		ND	20	ug/L		09/01/95 2156	
Dibromomethane		ND	5	ug/L		09/01/95 2156	
trans-1,4-Dichloro-2-butene		ND	50	ug/L		09/01/95 2156	



CORE LABORATORIES

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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Dichlorodifluoromethane		ND	10	ug/L		09/01/95 2156	
1,1-Dichloroethane		ND	5	ug/L		09/01/95 2156	
1,2-Dichloroethane		ND	5	ug/L		09/01/95 2156	
1,1-Dichloroethene		ND	5	ug/L		09/01/95 2156	
cis-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2156	
trans-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2156	
1,2-Dichloropropane		ND	5	ug/L		09/01/95 2156	
cis-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2156	
trans-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2156	
Ethylbenzene		ND	5	ug/L		09/01/95 2156	
Ethyl methacrylate		ND	5	ug/L		09/01/95 2156	
2-Hexanone		ND	50	ug/L		09/01/95 2156	
Iodomethane		ND	5	ug/L		09/01/95 2156	
Isobutyl alcohol		ND	50	ug/L		09/01/95 2156	
Methylacrylonitrile		ND	50	ug/L		09/01/95 2156	
Methylene chloride		ND	5	ug/L		09/01/95 2156	
Methyl methacrylate		ND	5	ug/L		09/01/95 2156	
4-Methyl-2-pentanone (MIBK)		ND	50	ug/L		09/01/95 2156	
Pentachloroethane		ND	5	ug/L		09/01/95 2156	
Propionitrile		ND	100	ug/L		09/01/95 2156	
Styrene		ND	5	ug/L		09/01/95 2156	
1,1,1,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2156	
1,1,2,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2156	
Tetrachloroethene		ND	5	ug/L		09/01/95 2156	
Toluene		ND	5	ug/L		09/01/95 2156	
1,1,1-Trichloroethane		ND	5	ug/L		09/01/95 2156	
1,1,2-Trichloroethane		ND	5	ug/L		09/01/95 2156	
Trichloroethene		ND	5	ug/L		09/01/95 2156	
Trichlorofluoromethane		ND	10	ug/L		09/01/95 2156	
1,2,3-Trichloropropane		ND	5	ug/L		09/01/95 2156	
Vinyl acetate		ND	50	ug/L		09/01/95 2156	



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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Vinyl chloride Xylenes (total)		ND ND	10 5	ug/L ug/L		09/01/95 2156 09/01/95 2156	



CORE LABORATORIES

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Customer Sample ID.: MW-6
 Sample Date.....: 08/22/95
 Sample Time.....: 13:30
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-3
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Alkalinity, Total as CaCO ₃	Unfiltered	110	5	mg/L CaCO ₃	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO ₃)	Unfiltered	134	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO ₃)	Unfiltered	<1	1	mg/L	SM 2320 B	09/01/95 1600	sgm
Hydroxide (OH)	Unfiltered	<1	1	mg/L	SM 2320 B	09/01/95 1600	sgm
Chloride	Unfiltered	344	2	mg/L	EPA 325.2	09/05/95 1529	sgm
Nitrate + Nitrite as N	Unfiltered	1.00	0.05	mg/L	EPA 353.2	08/29/95 1104	sgm
Solids, Total Dissolved (TDS)	Filtered	2800	10	mg/L	EPA 160.1	08/28/95 0900	sgm
Sulfate (SO ₄)	Unfiltered	1600	200	mg/L	EPA 375.2	09/01/95 1208	sgm
Sulfide	Unfiltered	<0.05	0.05	mg/L	EPA 376.2	08/29/95 0700	pjm
Acid Digestion, Total Metals		completed	0	Not Applicable	SW-846 3010	09/01/95 1100	lmt
Mercury (Hg)		0.0005	0.0002	mg/L	SW-846 7470	09/06/95 0921	lmt
Aluminum (Al)	Total	0.69	0.05	mg/L	SW-846 6010	09/12/95 0010	gag
Antimony (Sb)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0010	gag
Arsenic (As)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0010	gag
Barium (Ba)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0010	gag
Beryllium (Be)	Total	<0.005	0.005	mg/L	SW-846 6010	09/12/95 0010	gag



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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cadmium (Cd)	Total	<0.005	0.005	mg/L	SW-846 6010	09/12/95 0010	gag
Calcium (Ca)	Total	458	0.1	mg/L	SW-846 6010	09/11/95 1534	lmt
Chromium (Cr)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0010	gag
Cobalt (Co)	Total	<0.03	0.03	mg/L	SW-846 6010	09/12/95 0010	gag
Copper (Cu)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0010	gag
Lead (Pb)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0010	gag
Magnesium (Mg)	Total	148	0.1	mg/L	SW-846 6010	09/11/95 1534	lmt
Nickel (Ni)	Total	<0.04	0.04	mg/L	SW-846 6010	09/12/95 0010	gag
Potassium (K)	Total	3.9	0.3	mg/L	SW-846 6010	09/12/95 0010	gag
Selenium (Se)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0010	gag
Silver (Ag)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0010	gag
Sodium (Na)	Total	124	1	mg/L	SW-846 6010	09/11/95 1534	lmt
Thallium (Tl)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0010	gag
Tin (Sn)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0010	gag
Vanadium (V)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0010	gag
Zinc (Zn)	Total	0.03	0.01	mg/L	SW-846 6010	09/12/95 0010	gag



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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cyanide (Colorimetric, Manual) Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L	SW-846 9010	08/28/95 1000	kds
Extraction (Sep. Funnel) Chlor. Pest Separatory Funnel Liq/Liq Extraction		ND		Not Applicable	SW-846 3510	08/29/95	mla
Pesticide/PCB Analysis (Organochlorine)					SW-846 8080		smc
Aldrin		ND	0.04	ug/L		09/13/95 1858	
beta-BHC		ND	0.06	ug/L		09/13/95 1858	
delta-BHC		ND	0.09	ug/L		09/13/95 1858	
alpha-BHC		ND	0.03	ug/L		09/13/95 1858	
gamma-BHC (Lindane)		ND	0.04	ug/L		09/13/95 1858	
Chlordane		ND	0.14	ug/L		09/13/95 1858	
4,4'-DDD		ND	0.11	ug/L		09/13/95 1858	
4,4'-DDE		ND	0.04	ug/L		09/13/95 1858	
4,4'-DDT		ND	0.12	ug/L		09/13/95 1858	
Dieldrin		ND	0.02	ug/L		09/13/95 1858	
Endosulfan I		ND	0.14	ug/L		09/13/95 1858	
Endosulfan II		ND	0.04	ug/L		09/13/95 1858	
Endosulfan sulfate		ND	0.66	ug/L		09/13/95 1858	
Endrin		ND	0.06	ug/L		09/13/95 1858	
Endrin aldehyde		ND	0.23	ug/L		09/13/95 1858	
Heptachlor		ND	0.03	ug/L		09/13/95 1858	
Heptachlor epoxide		ND	0.83	ug/L		09/13/95 1858	
Methoxychlor		ND	1.8	ug/L		09/13/95 1858	
Toxaphene		ND	2.4	ug/L		09/13/95 1858	
Aroclor 1016		ND	0.5	ug/L		09/13/95 1858	
Aroclor 1221		ND	0.5	ug/L		09/13/95 1858	
Aroclor 1232		ND	0.5	ug/L		09/13/95 1858	
Aroclor 1242		ND	0.5	ug/L		09/13/95 1858	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-6
 Sample Date.....: 08/22/95
 Sample Time.....: 13:30
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-3
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Aroclor 1248		ND	0.5	ug/L		09/13/95 1858	
Aroclor 1254		ND	0.5	ug/L		09/13/95 1858	
Aroclor 1260		ND	0.5	ug/L		09/13/95 1858	
Extraction (Sep. Funnel) SVOC					SW-846 3510		mla
Separatory Funnel Liq/Liq Extraction		ND	0	Not Applicable		08/29/95	
Semivolatiles Organics (Client List)					SW-846 8270		mla
Acenaphthene		ND	10	ug/L		09/09/95 1507	
Acenaphthylene		ND	10	ug/L		09/09/95 1507	
Acetophenone		ND	10	ug/L		09/09/95 1507	
4-Aminobiphenyl		ND	10	ug/L		09/09/95 1507	
Aniline		ND	10	ug/L		09/09/95 1507	
Anthracene		ND	10	ug/L		09/09/95 1507	
Benzidine		ND	50	ug/L		09/09/95 1507	
Benzo(a)anthracene		ND	10	ug/L		09/09/95 1507	
Benzo(b)fluoranthene		ND	10	ug/L		09/09/95 1507	
Benzo(j)fluoranthene		ND	10	ug/L		09/09/95 1507	
Benzo(k)fluoranthene		ND	10	ug/L		09/09/95 1507	
Benzo(ghi)perylene		ND	10	ug/L		09/09/95 1507	
Benzo(a)pyrene		ND	10	ug/L		09/09/95 1507	
Benzyl alcohol		ND	10	ug/L		09/09/95 1507	
Butyl benzyl phthalate		ND	10	ug/L		09/09/95 1507	
Bis(2-chloroethoxy)methane		ND	10	ug/L		09/09/95 1507	
Bis(2-chloroethyl)ether		ND	10	ug/L		09/09/95 1507	
Bis(2-chloroisopropyl)ether		ND	10	ug/L		09/09/95 1507	
Bis(2-ethylhexyl)phthalate		ND	10	ug/L		09/09/95 1507	
4-Bromophenyl phenyl ether		ND	10	ug/L		09/09/95 1507	
4-Chloroaniline		ND	10	ug/L		09/09/95 1507	
Chlorobenzilate		ND	10	ug/L		09/09/95 1507	
1-Chloronaphthalene		ND	10	ug/L		09/09/95 1507	



CORE LABORATORIES

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Laboratory Sample ID.: 954178-3
 Date Received.....: 08/24/95
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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloronaphthalene		ND	10	ug/L		09/09/95 1507	
4-Chlorophenyl phenyl ether		ND	10	ug/L		09/09/95 1507	
Chrysene		ND	10	ug/L		09/09/95 1507	
Diallate		ND	10	ug/L		09/09/95 1507	
Dibenzo(a,j)acridine		ND	10	ug/L		09/14/95 2230	
Dibenzo(a,h)anthracene		ND	10	ug/L		09/09/95 1507	
Dibenzofuran		ND	10	ug/L		09/09/95 1507	
1,2-Dichlorobenzene		ND	10	ug/L		09/09/95 1507	
1,3-Dichlorobenzene		ND	10	ug/L		09/09/95 1507	
1,4-Dichlorobenzene		ND	10	ug/L		09/09/95 1507	
3,3-Dichlorobenzidine		ND	20	ug/L		09/09/95 1507	
Diethyl phthalate		ND	10	ug/L		09/09/95 1507	
p-Dimethylaminoazobenzene		ND	10	ug/L		09/09/95 1507	
Dimethoate		ND	20	ug/L		09/09/95 1507	
7,12-Dimethylbenz(a)anthracene		ND	10	ug/L		09/09/95 1507	
alpha, alpha-Dimethylphenethylamine		ND	10	ug/L		09/09/95 1507	
Dimethyl phthalate		ND	10	ug/L		09/09/95 1507	
Di-n-butyl phthalate		ND	10	ug/L		09/09/95 1507	
Di-n-octyl phthalate		ND	10	ug/L		09/09/95 1507	
2,4-Dinitrotoluene		ND	10	ug/L		09/09/95 1507	
2,6-Dinitrotoluene		ND	10	ug/L		09/09/95 1507	
Dinoseb (DNBP)		ND	20	ug/L		09/09/95 1507	
Diphenylamine		ND	10	ug/L		09/09/95 1507	
1,2-Diphenylhydrazine		ND	10	ug/L		09/09/95 1507	
Disulfoton		ND	10	ug/L		09/09/95 1507	
Ethyl methane sulfonate		ND	20	ug/L		09/09/95 1507	
Fluoranthene		ND	10	ug/L		09/09/95 1507	
Fluorene		ND	10	ug/L		09/09/95 1507	
Hexachlorobenzene		ND	10	ug/L		09/09/95 1507	
Hexachlorobutadiene		ND	10	ug/L		09/09/95 1507	
Hexachlorocyclopentadiene		ND	10	ug/L		09/09/95 1507	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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Laboratory Sample ID.: 954178-3
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Hexachloroethane		ND	10	ug/L		09/09/95 1507	
Hexachlorophene		ND	100	ug/L		09/14/95 2230	
Hexachloropropene		ND	10	ug/L		09/09/95 1507	
Indeno(1,2,3-cd)pyrene		ND	10	ug/L		09/09/95 1507	
Isodrin		ND	10	ug/L		09/09/95 1507	
Isophorone		ND	10	ug/L		09/09/95 1507	
Isosafrole		ND	10	ug/L		09/09/95 1507	
Kepone		ND	50	ug/L		09/14/95 2230	
Methapyrilene		ND	10	ug/L		09/09/95 1507	
3-Methylcholanthrene		ND	10	ug/L		09/09/95 1507	
Methyl methane sulfonate		ND	10	ug/L		09/09/95 1507	
2-Methylnaphthalene		ND	10	ug/L		09/09/95 1507	
Naphthalene		ND	10	ug/L		09/09/95 1507	
1,4-Naphthoquinone		ND	10	ug/L		09/09/95 1507	
1-Naphthylamine		ND	10	ug/L		09/09/95 1507	
2-Naphthylamine		ND	10	ug/L		09/09/95 1507	
o-Nitroaniline		ND	50	ug/L		09/09/95 1507	
m-Nitroaniline		ND	50	ug/L		09/09/95 1507	
p-Nitroaniline		ND	50	ug/L		09/09/95 1507	
Nitrobenzene		ND	10	ug/L		09/09/95 1507	
4-Nitroquinoline-1-oxide		ND	10	ug/L		09/09/95 1507	
n-Nitrosodi-n-butylamine		ND	10	ug/L		09/09/95 1507	
n-Nitrosodiethylamine		ND	10	ug/L		09/09/95 1507	
n-Nitrosodimethylamine		ND	10	ug/L		09/09/95 1507	
n-Nitrosomethylethylamine		ND	10	ug/L		09/09/95 1507	
n-Nitrosomorpholine		ND	10	ug/L		09/09/95 1507	
n-Nitrosodi-n-propylamine		ND	10	ug/L		09/09/95 1507	
n-Nitrosodiphenylamine		ND	10	ug/L		09/09/95 1507	
n-Nitrosopiperidine		ND	10	ug/L		09/09/95 1507	
n-Nitrosopyrrolidine		ND	10	ug/L		09/09/95 1507	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1507	



CORE LABORATORIES

LABORATORY TESTS RESULTS

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Customer Sample ID.: MW-6
Sample Date.: 08/22/95
Sample Time.: 13:30
Sample Matrix.: Water

Laboratory Sample ID.: 954178-3
Date Received.: 08/24/95
Time Received.: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Ethyl parathion		ND	10	ug/L		09/09/95 1507	
Pentachlorobenzene		ND	10	ug/L		09/09/95 1507	
Pentachloronitrobenzene		ND	10	ug/L		09/09/95 1507	
Phenacetin		ND	10	ug/L		09/09/95 1507	
Phenanthrene		ND	10	ug/L		09/09/95 1507	
p-Phenylenediamine		ND	10	ug/L		09/09/95 1507	
Phorate		ND	10	ug/L		09/09/95 1507	
2-Picoline		ND	10	ug/L		09/09/95 1507	
Pronamide		ND	10	ug/L		09/09/95 1507	
Pyrene		ND	10	ug/L		09/09/95 1507	
Pyridine		ND	10	ug/L		09/09/95 1507	
Safrole		ND	10	ug/L		09/09/95 1507	
1,2,4,5-Tetrachlorobenzene		ND	10	ug/L		09/09/95 1507	
o-Toluidine		ND	10	ug/L		09/09/95 1507	
1,2,4-Trichlorobenzene		ND	10	ug/L		09/09/95 1507	
0,0,0-Triethyl phosphorothioate		ND	10	ug/L		09/09/95 1507	
1,3,5-Trinitrobenzene		ND	10	ug/L		09/09/95 1507	
Benzoic acid		ND	50	ug/L		09/09/95 1507	
4-Chloro-3-methylphenol		ND	10	ug/L		09/09/95 1507	
2-Chlorophenol		ND	10	ug/L		09/09/95 1507	
2,4-Dichlorophenol		ND	10	ug/L		09/09/95 1507	
2,6-Dichlorophenol		ND	10	ug/L		09/09/95 1507	
2,4-Dimethylphenol		ND	10	ug/L		09/09/95 1507	
2,4-Dinitrophenol		ND	50	ug/L		09/09/95 1507	
2-Methyl-4,6-dinitrophenol		ND	50	ug/L		09/09/95 1507	
2-Methylphenol (o-cresol)		ND	10	ug/L		09/09/95 1507	
3 & 4 Methylphenol (m&p cresol)		ND	10	ug/L		09/09/95 1507	
2-Nitrophenol		ND	10	ug/L		09/09/95 1507	
4-Nitrophenol		ND	50	ug/L		09/09/95 1507	
Pentachlorophenol		ND	50	ug/L		09/09/95 1507	
Phenol		ND	10	ug/L		09/09/95 1507	



CORE LABORATORIES

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 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-3
 Date Received.....: 08/24/95
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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2,3,4,6-Tetrachlorophenol		ND	10	ug/L		09/09/95 1507	
2,4,5-Trichlorophenol		ND	10	ug/L		09/09/95 1507	
2,4,6-Trichlorophenol		ND	10	ug/L		09/09/95 1507	
Volatiles Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile		ND	100	ug/L		09/01/95 2228	
Acrolein		ND	50	ug/L		09/01/95 2228	
Acrylonitrile		ND	20	ug/L		09/01/95 2228	
Acetone		ND	100	ug/L		09/01/95 2228	
Allyl chloride		ND	20	ug/L		09/01/95 2228	
Benzene		ND	5	ug/L		09/01/95 2228	
Benzyl chloride		ND	5	ug/L		09/01/95 2228	
Bromobenzene		ND	5	ug/L		09/01/95 2228	
Bromochloromethane		ND	5	ug/L		09/01/95 2228	
Bromodichloromethane		ND	5	ug/L		09/01/95 2228	
Bromoform		ND	5	ug/L		09/01/95 2228	
Bromomethane		ND	10	ug/L		09/01/95 2228	
Methyl ethyl ketone (2-Butanone)		ND	100	ug/L		09/01/95 2228	
Carbon disulfide		ND	5	ug/L		09/01/95 2228	
Carbon tetrachloride		ND	5	ug/L		09/01/95 2228	
Chlorobenzene		ND	5	ug/L		09/01/95 2228	
Chloroethane		ND	10	ug/L		09/01/95 2228	
2-Chloroethylvinyl ether		ND	5	ug/L		09/01/95 2228	
Chloroform		ND	5	ug/L		09/01/95 2228	
Chloromethane		ND	5	ug/L		09/01/95 2228	
2-Chloro-1,3-butadiene (chloroprene)		ND	5	ug/L		09/01/95 2228	
Dibromochloromethane		ND	5	ug/L		09/01/95 2228	
1,2-Dibromoethane (EDB)		ND	20	ug/L		09/01/95 2228	
1,2-Dibromo-3-chloropropane		ND	20	ug/L		09/01/95 2228	
Dibromomethane		ND	5	ug/L		09/01/95 2228	
trans-1,4-Dichloro-2-butene		ND	50	ug/L		09/01/95 2228	



CORE LABORATORIES

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 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-3
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 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Dichlorodifluoromethane		ND	10	ug/L		09/01/95 2228	
1,1-Dichloroethane		ND	5	ug/L		09/01/95 2228	
1,2-Dichloroethane		ND	5	ug/L		09/01/95 2228	
1,1-Dichloroethene		ND	5	ug/L		09/01/95 2228	
cis-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2228	
trans-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2228	
1,2-Dichloropropane		ND	5	ug/L		09/01/95 2228	
cis-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2228	
trans-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2228	
Ethylbenzene		ND	5	ug/L		09/01/95 2228	
Ethyl methacrylate		ND	5	ug/L		09/01/95 2228	
2-Hexanone		ND	50	ug/L		09/01/95 2228	
Iodomethane		ND	5	ug/L		09/01/95 2228	
Isobutyl alcohol		ND	50	ug/L		09/01/95 2228	
Methylacrylonitrile		ND	50	ug/L		09/01/95 2228	
Methylene chloride		ND	5	ug/L		09/01/95 2228	
Methyl methacrylate		ND	5	ug/L		09/01/95 2228	
4-Methyl-2-pentanone (MIBK)		ND	50	ug/L		09/01/95 2228	
Pentachloroethane		ND	5	ug/L		09/01/95 2228	
Propionitrile		ND	100	ug/L		09/01/95 2228	
Styrene		ND	5	ug/L		09/01/95 2228	
1,1,1,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2228	
1,1,2,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2228	
Tetrachloroethene		ND	5	ug/L		09/01/95 2228	
Toluene		ND	5	ug/L		09/01/95 2228	
1,1,1-Trichloroethane		ND	5	ug/L		09/01/95 2228	
1,1,2-Trichloroethane		ND	5	ug/L		09/01/95 2228	
Trichloroethene		ND	5	ug/L		09/01/95 2228	
Trichlorofluoromethane		ND	10	ug/L		09/01/95 2228	
1,2,3-Trichloropropane		ND	5	ug/L		09/01/95 2228	
Vinyl acetate		ND	50	ug/L		09/01/95 2228	



Laboratory Sample ID.: 954178-3
Date Received.....: 08/24/95
Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Vinyl chloride		ND	10	ug/L		09/01/95 2228	
Xylenes (total)		ND	5	ug/L		09/01/95 2228	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-8
 Sample Date.....: 08/22/95
 Sample Time.....: 16:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-4
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Alkalinity, Total as CaCO ₃	Unfiltered	134	5	mg/L CaCO ₃	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO ₃)	Unfiltered	163	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO ₃)	Unfiltered	<1	1	mg/L	SM 2320 B	09/01/95 1600	sgm
Hydroxide (OH)	Unfiltered	<1	1	mg/L	SM 2320 B	09/01/95 1600	sgm
Chloride	Unfiltered	362	3	mg/L	EPA 325.2	09/05/95 1534	sgm
Nitrate + Nitrite as N	Unfiltered	0.10	0.05	mg/L	EPA 353.2	08/29/95 1150	sgm
Solids, Total Dissolved (TDS)	Filtered	3640	10	mg/L	EPA 160.1	08/28/95 0900	sgm
Sulfate (SO ₄)	Unfiltered	2000	200	mg/L	EPA 375.2	09/01/95 1222	sgm
Sulfide	Unfiltered	<0.05	0.05	mg/L	EPA 376.2	08/29/95 0700	pjm
Acid Digestion, Total Metals		completed	0	Not Applicable	SW-846 3010	09/01/95 1100	lmt
Mercury (Hg)	Total	0.0003	0.0002	mg/L	SW-846 7470	09/06/95 0923	lmt
Aluminum (Al)	Total	0.33	0.05	mg/L	SW-846 6010	09/12/95 0013	gag
Antimony (Sb)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0013	gag
Arsenic (As)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0013	gag
Barium (Ba)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0013	gag
Beryllium (Be)	Total	<0.005	0.005	mg/L	SW-846 6010	09/12/95 0013	gag



CORE LABORATORIES

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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cadmium (Cd)	Total	<0.005	0.005	mg/L	SW-846 6010	09/12/95 0013	gag
Calcium (Ca)	Total	587	0.5	mg/L	SW-846 6010	09/11/95 1541	lmt
Chromium (Cr)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0013	gag
Cobalt (Co)	Total	<0.03	0.03	mg/L	SW-846 6010	09/12/95 0013	gag
Copper (Cu)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0013	gag
Lead (Pb)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0013	gag
Magnesium (Mg)	Total	193	0.1	mg/L	SW-846 6010	09/11/95 1538	lmt
Nickel (Ni)	Total	<0.04	0.04	mg/L	SW-846 6010	09/12/95 0013	gag
Potassium (K)	Total	3.7	0.3	mg/L	SW-846 6010	09/12/95 0013	gag
Selenium (Se)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0013	gag
Silver (Ag)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0013	gag
Sodium (Na)	Total	117	1	mg/L	SW-846 6010	09/11/95 1538	lmt
Thallium (Tl)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0013	gag
Tin (Sn)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0013	gag
Vanadium (V)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0013	gag
Zinc (Zn)	Total	0.01	0.01	mg/L	SW-846 6010	09/12/95 0013	gag



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-8
 Sample Date.....: 08/22/95
 Sample Time.....: 16:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-4
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cyanide (Colorimetric, Manual) Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L	SW-846 9010	08/28/95 1000	kds
Extraction (Sep. Funnel) Chlor. Pest Separatory Funnel Liq/Liq Extraction		ND		Not Applicable	SW-846 3510	08/29/95	mla
Pesticide/PCB Analysis (Organochlorine)					SW-846 8080		smc
Aldrin		ND	0.04	ug/L		09/14/95 0725	
beta-BHC		ND	0.06	ug/L		09/14/95 0725	
delta-BHC		ND	0.09	ug/L		09/14/95 0725	
alpha-BHC		ND	0.03	ug/L		09/14/95 0725	
gamma-BHC (Lindane)		ND	0.04	ug/L		09/14/95 0725	
Chlordane		ND	0.14	ug/L		09/14/95 0725	
4,4'-DDD		ND	0.11	ug/L		09/14/95 0725	
4,4'-DDE		ND	0.04	ug/L		09/14/95 0725	
4,4'-DDT		ND	0.12	ug/L		09/14/95 0725	
Dieldrin		ND	0.02	ug/L		09/14/95 0725	
Endosulfan I		ND	0.14	ug/L		09/14/95 0725	
Endosulfan II		ND	0.04	ug/L		09/14/95 0725	
Endosulfan sulfate		ND	0.66	ug/L		09/14/95 0725	
Endrin		ND	0.06	ug/L		09/14/95 0725	
Endrin aldehyde		ND	0.23	ug/L		09/14/95 0725	
Heptachlor		ND	0.03	ug/L		09/14/95 0725	
Heptachlor epoxide		ND	0.83	ug/L		09/14/95 0725	
Methoxychlor		ND	1.8	ug/L		09/14/95 0725	
Toxaphene		ND	2.4	ug/L		09/14/95 0725	
Aroclor 1016		ND	0.5	ug/L		09/14/95 0725	
Aroclor 1221		ND	0.5	ug/L		09/14/95 0725	
Aroclor 1232		ND	0.5	ug/L		09/14/95 0725	
Aroclor 1242		ND	0.5	ug/L		09/14/95 0725	



CORE LABORATORIES

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Laboratory Sample ID.: 954178-4
 Date Received.....: 08/24/95
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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Aroclor 1248		ND	0.5	ug/L		09/14/95 0725	
Aroclor 1254		ND	0.5	ug/L		09/14/95 0725	
Aroclor 1260		ND	0.5	ug/L		09/14/95 0725	
Extraction (Sep. Funnel) SVOC					SW-846 3510		mla
Separatory Funnel Liq/Liq Extraction		ND	0	Not Applicable		08/29/95	
Semivolatiles Organics (Client List)					SW-846 8270		mla
Acenaphthene		ND	10	ug/L		09/09/95 1605	
Acenaphthylene		ND	10	ug/L		09/09/95 1605	
Acetophenone		ND	10	ug/L		09/09/95 1605	
4-Aminobiphenyl		ND	10	ug/L		09/09/95 1605	
Aniline		ND	10	ug/L		09/09/95 1605	
Anthracene		ND	10	ug/L		09/09/95 1605	
Benzidine		ND	50	ug/L		09/09/95 1605	
Benzo(a)anthracene		ND	10	ug/L		09/09/95 1605	
Benzo(b)fluoranthene		ND	10	ug/L		09/09/95 1605	
Benzo(j)fluoranthene		ND	10	ug/L		09/09/95 1605	
Benzo(k)fluoranthene		ND	10	ug/L		09/09/95 1605	
Benzo(ghi)perylene		ND	10	ug/L		09/09/95 1605	
Benzo(a)pyrene		ND	10	ug/L		09/09/95 1605	
Benzyl alcohol		ND	10	ug/L		09/09/95 1605	
Butyl benzyl phthalate		ND	10	ug/L		09/09/95 1605	
Bis(2-chloroethoxy)methane		ND	10	ug/L		09/09/95 1605	
Bis(2-chloroethyl)ether		ND	10	ug/L		09/09/95 1605	
Bis(2-chloroisopropyl)ether		ND	10	ug/L		09/09/95 1605	
Bis(2-ethylhexyl)phthalate		ND	10	ug/L		09/09/95 1605	
4-Bromophenyl phenyl ether		ND	10	ug/L		09/09/95 1605	
4-Chloroaniline		ND	10	ug/L		09/09/95 1605	
Chlorobenzilate		ND	10	ug/L		09/09/95 1605	
1-Chloronaphthalene		ND	10	ug/L		09/09/95 1605	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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Customer Sample ID.: MW-8
 Sample Date.....: 08/22/95
 Sample Time.....: 16:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-4
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloronaphthalene		ND	10	ug/L		09/09/95 1605	
4-Chlorophenyl phenyl ether		ND	10	ug/L		09/09/95 1605	
Chrysene		ND	10	ug/L		09/09/95 1605	
Diallate		ND	10	ug/L		09/09/95 1605	
Dibenzo(a,j)acridine		ND	10	ug/L		09/14/95 2258	
Dibenzo(a,h)anthracene		ND	10	ug/L		09/09/95 1605	
Dibenzofuran		ND	10	ug/L		09/09/95 1605	
1,2-Dichlorobenzene		ND	10	ug/L		09/09/95 1605	
1,3-Dichlorobenzene		ND	10	ug/L		09/09/95 1605	
1,4-Dichlorobenzene		ND	10	ug/L		09/09/95 1605	
3,3-Dichlorobenzidine		ND	20	ug/L		09/09/95 1605	
Diethyl phthalate		ND	10	ug/L		09/09/95 1605	
p-Dimethylaminoazobenzene		ND	10	ug/L		09/09/95 1605	
Dimethoate		ND	20	ug/L		09/09/95 1605	
7,12-Dimethylbenz(a)anthracene		ND	10	ug/L		09/09/95 1605	
alpha, alpha-Dimethylphenethylamine		ND	10	ug/L		09/09/95 1605	
Dimethyl phthalate		ND	10	ug/L		09/09/95 1605	
Di-n-butyl phthalate		ND	10	ug/L		09/09/95 1605	
Di-n-octyl phthalate		ND	10	ug/L		09/09/95 1605	
2,4-Dinitrotoluene		ND	10	ug/L		09/09/95 1605	
2,6-Dinitrotoluene		ND	10	ug/L		09/09/95 1605	
Dinoseb (DNBP)		ND	20	ug/L		09/09/95 1605	
Diphenylamine		ND	10	ug/L		09/09/95 1605	
1,2-Diphenylhydrazine		ND	10	ug/L		09/09/95 1605	
Disulfoton		ND	10	ug/L		09/09/95 1605	
Ethyl methane sulfonate		ND	20	ug/L		09/09/95 1605	
Fluoranthene		ND	10	ug/L		09/09/95 1605	
Fluorene		ND	10	ug/L		09/09/95 1605	
Hexachlorobenzene		ND	10	ug/L		09/09/95 1605	
Hexachlorobutadiene		ND	10	ug/L		09/09/95 1605	
Hexachlorocyclopentadiene		ND	10	ug/L		09/09/95 1605	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

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Customer Sample ID.: MW-8
 Sample Date.....: 08/22/95
 Sample Time.....: 16:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-4
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Hexachloroethane		ND	10	ug/L		09/09/95 1605	
Hexachlorophene		ND	100	ug/L		09/14/95 2258	
Hexachloropropene		ND	10	ug/L		09/09/95 1605	
Indeno(1,2,3-cd)pyrene		ND	10	ug/L		09/09/95 1605	
Isodrin		ND	10	ug/L		09/09/95 1605	
Isophorone		ND	10	ug/L		09/09/95 1605	
Isosafrole		ND	10	ug/L		09/09/95 1605	
Kepone		ND	50	ug/L		09/14/95 2258	
Methapyrilene		ND	10	ug/L		09/09/95 1605	
3-Methylcholanthrene		ND	10	ug/L		09/09/95 1605	
Methyl methane sulfonate		ND	10	ug/L		09/09/95 1605	
2-Methylnaphthalene		ND	10	ug/L		09/09/95 1605	
Naphthalene		ND	10	ug/L		09/09/95 1605	
1,4-Naphthoquinone		ND	10	ug/L		09/09/95 1605	
1-Naphthylamine		ND	10	ug/L		09/09/95 1605	
2-Naphthylamine		ND	10	ug/L		09/09/95 1605	
o-Nitroaniline		ND	50	ug/L		09/09/95 1605	
m-Nitroaniline		ND	50	ug/L		09/09/95 1605	
p-Nitroaniline		ND	50	ug/L		09/09/95 1605	
Nitrobenzene		ND	10	ug/L		09/09/95 1605	
4-Nitroquinoline-1-oxide		ND	10	ug/L		09/09/95 1605	
n-Nitrosodi-n-butylamine		ND	10	ug/L		09/09/95 1605	
n-Nitrosodiethylamine		ND	10	ug/L		09/09/95 1605	
n-Nitrosodimethylamine		ND	10	ug/L		09/09/95 1605	
n-Nitrosomethylethylamine		ND	10	ug/L		09/09/95 1605	
n-Nitrosomorpholine		ND	10	ug/L		09/09/95 1605	
n-Nitrosodi-n-propylamine		ND	10	ug/L		09/09/95 1605	
n-Nitrosodiphenylamine		ND	10	ug/L		09/09/95 1605	
n-Nitrosopiperidine		ND	10	ug/L		09/09/95 1605	
n-Nitrosopyrrolidine		ND	10	ug/L		09/09/95 1605	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1605	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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Customer Sample ID.: MW-8
Sample Date.....: 08/22/95
Sample Time.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID.: 954178-4
Date Received.....: 08/24/95
Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Ethyl parathion		ND	10	ug/L		09/09/95 1605	
Pentachlorobenzene		ND	10	ug/L		09/09/95 1605	
Pentachloronitrobenzene		ND	10	ug/L		09/09/95 1605	
Phenacetin		ND	10	ug/L		09/09/95 1605	
Phenanthrene		ND	10	ug/L		09/09/95 1605	
p-Phenylenediamine		ND	10	ug/L		09/09/95 1605	
Phorate		ND	10	ug/L		09/09/95 1605	
2-Picoline		ND	10	ug/L		09/09/95 1605	
Pronamide		ND	10	ug/L		09/09/95 1605	
Pyrene		ND	10	ug/L		09/09/95 1605	
Pyridine		ND	10	ug/L		09/09/95 1605	
Safrole		ND	10	ug/L		09/09/95 1605	
1,2,4,5-Tetrachlorobenzene		ND	10	ug/L		09/09/95 1605	
o-Toluidine		ND	10	ug/L		09/09/95 1605	
1,2,4-Trichlorobenzene		ND	10	ug/L		09/09/95 1605	
0,0,0-Triethyl phosphorothioate		ND	10	ug/L		09/09/95 1605	
1,3,5-Trinitrobenzene		ND	10	ug/L		09/09/95 1605	
Benzoic acid		ND	50	ug/L		09/09/95 1605	
4-Chloro-3-methylphenol		ND	10	ug/L		09/09/95 1605	
2-Chlorophenol		ND	10	ug/L		09/09/95 1605	
2,4-Dichlorophenol		ND	10	ug/L		09/09/95 1605	
2,6-Dichlorophenol		ND	10	ug/L		09/09/95 1605	
2,4-Dimethylphenol		ND	10	ug/L		09/09/95 1605	
2,4-Dinitrophenol		ND	50	ug/L		09/09/95 1605	
2-Methyl-4,6-dinitrophenol		ND	50	ug/L		09/09/95 1605	
2-Methylphenol (o-cresol)		ND	10	ug/L		09/09/95 1605	
3 & 4 Methylphenol (m&p cresol)		ND	10	ug/L		09/09/95 1605	
2-Nitrophenol		ND	10	ug/L		09/09/95 1605	
4-Nitrophenol		ND	50	ug/L		09/09/95 1605	
Pentachlorophenol		ND	50	ug/L		09/09/95 1605	
Phenol		ND	10	ug/L		09/09/95 1605	



CORE LABORATORIES

LABORATORY TESTS RESULTS

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 Sample Date.....: 08/22/95
 Sample Time.....: 16:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-4
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2,3,4,6-Tetrachlorophenol		ND	10	ug/L		09/09/95 1605	
2,4,5-Trichlorophenol		ND	10	ug/L		09/09/95 1605	
2,4,6-Trichlorophenol		ND	10	ug/L		09/09/95 1605	
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile		ND	100	ug/L		09/01/95 2300	
Acrolein		ND	50	ug/L		09/01/95 2300	
Acrylonitrile		ND	20	ug/L		09/01/95 2300	
Acetone		ND	100	ug/L		09/01/95 2300	
Allyl chloride		ND	20	ug/L		09/01/95 2300	
Benzene		6	5	ug/L		09/01/95 2300	
Benzyl chloride		ND	5	ug/L		09/01/95 2300	
Bromobenzene		ND	5	ug/L		09/01/95 2300	
Bromochloromethane		ND	5	ug/L		09/01/95 2300	
Bromodichloromethane		ND	5	ug/L		09/01/95 2300	
Bromoform		ND	5	ug/L		09/01/95 2300	
Bromomethane		ND	10	ug/L		09/01/95 2300	
Methyl ethyl ketone (2-Butanone)		ND	100	ug/L		09/01/95 2300	
Carbon disulfide		ND	5	ug/L		09/01/95 2300	
Carbon tetrachloride		ND	5	ug/L		09/01/95 2300	
Chlorobenzene		ND	5	ug/L		09/01/95 2300	
Chloroethane		ND	10	ug/L		09/01/95 2300	
2-Chloroethylvinyl ether		ND	5	ug/L		09/01/95 2300	
Chloroform		ND	5	ug/L		09/01/95 2300	
Chloromethane		ND	5	ug/L		09/01/95 2300	
2-Chloro-1,3-butadiene (chloroprene)		ND	5	ug/L		09/01/95 2300	
Dibromochloromethane		ND	5	ug/L		09/01/95 2300	
1,2-Dibromoethane (EDB)		ND	20	ug/L		09/01/95 2300	
1,2-Dibromo-3-chloropropane		ND	20	ug/L		09/01/95 2300	
Dibromomethane		ND	5	ug/L		09/01/95 2300	
trans-1,4-Dichloro-2-butene		ND	50	ug/L		09/01/95 2300	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

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CUSTOMER: Daniel B. Stevens & Associates

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Customer Sample ID.: MW-8
Sample Date.: 08/22/95
Sample Time.: 16:00
Sample Matrix.: Water

Laboratory Sample ID.: 954178-4
Date Received.: 08/24/95
Time Received.: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Dichlorodifluoromethane		ND	10	ug/L		09/01/95 2300	
1,1-Dichloroethane		ND	5	ug/L		09/01/95 2300	
1,2-Dichloroethane		ND	5	ug/L		09/01/95 2300	
1,1-Dichloroethene		ND	5	ug/L		09/01/95 2300	
cis-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2300	
trans-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2300	
1,2-Dichloropropane		ND	5	ug/L		09/01/95 2300	
cis-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2300	
trans-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2300	
Ethylbenzene		ND	5	ug/L		09/01/95 2300	
Ethyl methacrylate		ND	5	ug/L		09/01/95 2300	
2-Hexanone		ND	50	ug/L		09/01/95 2300	
Iodomethane		ND	5	ug/L		09/01/95 2300	
Isobutyl alcohol		ND	50	ug/L		09/01/95 2300	
Methylacrylonitrile		ND	50	ug/L		09/01/95 2300	
Methylene chloride		ND	5	ug/L		09/01/95 2300	
Methyl methacrylate		ND	5	ug/L		09/01/95 2300	
4-Methyl-2-pentanone (MIBK)		ND	50	ug/L		09/01/95 2300	
Pentachloroethane		ND	5	ug/L		09/01/95 2300	
Propionitrile		ND	100	ug/L		09/01/95 2300	
Styrene		ND	5	ug/L		09/01/95 2300	
1,1,1,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2300	
1,1,2,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2300	
Tetrachloroethene		ND	5	ug/L		09/01/95 2300	
Toluene		ND	5	ug/L		09/01/95 2300	
1,1,1-Trichloroethane		ND	5	ug/L		09/01/95 2300	
1,1,2-Trichloroethane		ND	5	ug/L		09/01/95 2300	
Trichloroethene		ND	5	ug/L		09/01/95 2300	
Trichlorofluoromethane		ND	10	ug/L		09/01/95 2300	
1,2,3-Trichloropropane		ND	5	ug/L		09/01/95 2300	
Vinyl acetate		ND	50	ug/L		09/01/95 2300	



Report Date: 09/20/95

ATTN: Jeff Forbes

Laboratory Sample ID.: 954178-4
Date Received.....: 08/24/95
Time Received.....: 10:00

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CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-99
 Sample Date.....: 08/22/95
 Sample Time.....: 00:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-5
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Alkalinity, Total as CaCO ₃	Unfiltered	139	5	mg/L CaCO ₃	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO ₃)	Unfiltered	170	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO ₃)	Unfiltered	<1	1	mg/L	SM 2320 B	09/01/95 1600	sgm
Hydroxide (OH)	Unfiltered	<1	1	mg/L	SM 2320 B	09/01/95 1600	sgm
Chloride	Unfiltered	362	3	mg/L	EPA 325.2	09/05/95 1538	sgm
Nitrate + Nitrite as N	Unfiltered	0.10	0.05	mg/L	EPA 353.2	08/29/95 1235	sgm
Solids, Total Dissolved (TDS)	Filtered	3620	10	mg/L	EPA 160.1	08/28/95 0900	sgm
Sulfate (SO ₄)	Unfiltered	2000	200	mg/L	EPA 375.2	09/01/95 1235	sgm
Sulfide	Unfiltered	<0.05	0.05	mg/L	EPA 376.2	08/29/95 0700	pjm
Acid Digestion, Total Metals		completed	0	Not Applicable	SW-846 3010	09/01/95 1100	lmt
Mercury (Hg)	Total	<0.0002	0.0002	mg/L	SW-846 7470	09/06/95 0925	lmt
Aluminum (Al)	Total	0.10	0.05	mg/L	SW-846 6010	09/12/95 0028	gag
Antimony (Sb)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0028	gag
Arsenic (As)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0028	gag
Barium (Ba)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0028	gag
Beryllium (Be)	Total	<0.005	0.005	mg/L	SW-846 6010	09/12/95 0028	gag



CORE LABORATORIES

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Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-99
 Sample Date.....: 08/22/95
 Sample Time.....: 00:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-5
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cadmium (Cd)	Total	<0.005	0.005	mg/L	SW-846 6010	09/12/95 0028	gag
Calcium (Ca)	Total	614	0.5	mg/L	SW-846 6010	09/11/95 1546	lmt
Chromium (Cr)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0028	gag
Cobalt (Co)	Total	<0.03	0.03	mg/L	SW-846 6010	09/12/95 0028	gag
Copper (Cu)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0028	gag
Lead (Pb)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0028	gag
Magnesium (Mg)	Total	191	0.1	mg/L	SW-846 6010	09/11/95 1542	lmt
Nickel (Ni)	Total	<0.04	0.04	mg/L	SW-846 6010	09/12/95 0028	gag
Potassium (K)	Total	6.0	0.3	mg/L	SW-846 6010	09/12/95 0028	gag
Selenium (Se)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0028	gag
Silver (Ag)	Total	<0.01	0.01	mg/L	SW-846 6010	09/12/95 0028	gag
Sodium (Na)	Total	148	1	mg/L	SW-846 6010	09/11/95 1542	lmt
Thallium (Tl)	Total	<0.1	0.1	mg/L	SW-846 6010	09/12/95 0028	gag
Tin (Sn)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0028	gag
Vanadium (V)	Total	<0.05	0.05	mg/L	SW-846 6010	09/12/95 0028	gag
Zinc (Zn)	Total	0.02	0.01	mg/L	SW-846 6010	09/12/95 0028	gag



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Cyanide (Colorimetric, Manual) Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L	SW-846 9010	08/28/95 1000	kds
Extraction (Sep. Funnel) Chlor. Pest Separatory Funnel Liq/Liq Extraction		ND		Not Applicable	SW-846 3510	08/29/95	mla
Pesticide/PCB Analysis (Organochlorine)					SW-846 8080		smc
Aldrin		ND	0.04	ug/L		09/14/95 0754	
beta-BHC		ND	0.06	ug/L		09/14/95 0754	
delta-BHC		ND	0.09	ug/L		09/14/95 0754	
alpha-BHC		ND	0.03	ug/L		09/14/95 0754	
gamma-BHC (Lindane)		ND	0.04	ug/L		09/14/95 0754	
Chlordane		ND	0.14	ug/L		09/14/95 0754	
4,4'-DDD		ND	0.11	ug/L		09/14/95 0754	
4,4'-DDE		ND	0.04	ug/L		09/14/95 0754	
4,4'-DDT		ND	0.12	ug/L		09/14/95 0754	
Dieldrin		ND	0.02	ug/L		09/14/95 0754	
Endosulfan I		ND	0.14	ug/L		09/14/95 0754	
Endosulfan II		ND	0.04	ug/L		09/14/95 0754	
Endosulfan sulfate		ND	0.66	ug/L		09/14/95 0754	
Endrin		ND	0.06	ug/L		09/14/95 0754	
Endrin aldehyde		ND	0.23	ug/L		09/14/95 0754	
Heptachlor		ND	0.03	ug/L		09/14/95 0754	
Heptachlor epoxide		ND	0.83	ug/L		09/14/95 0754	
Methoxychlor		ND	1.8	ug/L		09/14/95 0754	
Toxaphene		ND	2.4	ug/L		09/14/95 0754	
Aroclor 1016		ND	0.5	ug/L		09/14/95 0754	
Aroclor 1221		ND	0.5	ug/L		09/14/95 0754	
Aroclor 1232		ND	0.5	ug/L		09/14/95 0754	
Aroclor 1242		ND	0.5	ug/L		09/14/95 0754	



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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Aroclor 1248		ND	0.5	ug/L		09/14/95 0754	
Aroclor 1254		ND	0.5	ug/L		09/14/95 0754	
Aroclor 1260		ND	0.5	ug/L		09/14/95 0754	
Extraction (Sep. Funnel) SVOC					SW-846 3510		mla
Separatory Funnel Liq/Liq Extraction		ND	0	Not Applicable		08/29/95	
Semivolatiles Organics (Client List)					SW-846 8270		mla
Acenaphthene		ND	10	ug/L		09/09/95 1702	
Acenaphthylene		ND	10	ug/L		09/09/95 1702	
Acetophenone		ND	10	ug/L		09/09/95 1702	
4-Aminobiphenyl		ND	10	ug/L		09/09/95 1702	
Aniline		ND	10	ug/L		09/09/95 1702	
Anthracene		ND	10	ug/L		09/09/95 1702	
Benzidine		ND	50	ug/L		09/09/95 1702	
Benzo(a)anthracene		ND	10	ug/L		09/09/95 1702	
Benzo(b)fluoranthene		ND	10	ug/L		09/09/95 1702	
Benzo(j)fluoranthene		ND	10	ug/L		09/09/95 1702	
Benzo(k)fluoranthene		ND	10	ug/L		09/09/95 1702	
Benzo(ghi)perylene		ND	10	ug/L		09/09/95 1702	
Benzo(a)pyrene		ND	10	ug/L		09/09/95 1702	
Benzyl alcohol		ND	10	ug/L		09/09/95 1702	
Butyl benzyl phthalate		ND	10	ug/L		09/09/95 1702	
Bis(2-chloroethoxy)methane		ND	10	ug/L		09/09/95 1702	
Bis(2-chloroethyl)ether		ND	10	ug/L		09/09/95 1702	
Bis(2-chloroisopropyl)ether		ND	10	ug/L		09/09/95 1702	
Bis(2-ethylhexyl)phthalate		ND	10	ug/L		09/09/95 1702	
4-Bromophenyl phenyl ether		ND	10	ug/L		09/09/95 1702	
4-Chloroaniline		ND	10	ug/L		09/09/95 1702	
Chlorobenzilate		ND	10	ug/L		09/09/95 1702	
1-Chloronaphthalene		ND	10	ug/L		09/09/95 1702	



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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloronaphthalene		ND	10	ug/L		09/09/95 1702	
4-Chlorophenyl phenyl ether		ND	10	ug/L		09/09/95 1702	
Chrysene		ND	10	ug/L		09/09/95 1702	
Diallate		ND	10	ug/L		09/09/95 1702	
Dibenzo(a,j)acridine		ND	10	ug/L		09/14/95 2327	
Dibenzo(a,h)anthracene		ND	10	ug/L		09/09/95 1702	
Dibenzofuran		ND	10	ug/L		09/09/95 1702	
1,2-Dichlorobenzene		ND	10	ug/L		09/09/95 1702	
1,3-Dichlorobenzene		ND	10	ug/L		09/09/95 1702	
1,4-Dichlorobenzene		ND	10	ug/L		09/09/95 1702	
3,3-Dichlorobenzidine		ND	20	ug/L		09/09/95 1702	
Diethyl phthalate		ND	10	ug/L		09/09/95 1702	
p-Dimethylaminoazobenzene		ND	10	ug/L		09/09/95 1702	
Dimethoate		ND	20	ug/L		09/09/95 1702	
7,12-Dimethylbenz(a)anthracene		ND	10	ug/L		09/09/95 1702	
alpha, alpha-Dimethylphenethylamine		ND	10	ug/L		09/09/95 1702	
Dimethyl phthalate		ND	10	ug/L		09/09/95 1702	
Di-n-butyl phthalate		ND	10	ug/L		09/09/95 1702	
Di-n-octyl phthalate		ND	10	ug/L		09/09/95 1702	
2,4-Dinitrotoluene		ND	10	ug/L		09/09/95 1702	
2,6-Dinitrotoluene		ND	10	ug/L		09/09/95 1702	
Dinoseb (DNBP)		ND	20	ug/L		09/09/95 1702	
Diphenylamine		ND	10	ug/L		09/09/95 1702	
1,2-Diphenylhydrazine		ND	10	ug/L		09/09/95 1702	
Disulfoton		ND	10	ug/L		09/09/95 1702	
Ethyl methane sulfonate		ND	20	ug/L		09/09/95 1702	
Fluoranthene		ND	10	ug/L		09/09/95 1702	
Fluorene		ND	10	ug/L		09/09/95 1702	
Hexachlorobenzene		ND	10	ug/L		09/09/95 1702	
Hexachlorobutadiene		ND	10	ug/L		09/09/95 1702	
Hexachlorocyclopentadiene		ND	10	ug/L		09/09/95 1702	



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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Hexachloroethane		ND	10	ug/L		09/09/95 1702	
Hexachlorophene		ND	100	ug/L		09/14/95 2327	
Hexachloropropene		ND	10	ug/L		09/09/95 1702	
Indeno(1,2,3-cd)pyrene		ND	10	ug/L		09/09/95 1702	
Isodrin		ND	10	ug/L		09/09/95 1702	
Isophorone		ND	10	ug/L		09/09/95 1702	
Isosafrole		ND	10	ug/L		09/09/95 1702	
Kepone		ND	50	ug/L		09/14/95 2327	
Methapyrilene		ND	10	ug/L		09/09/95 1702	
3-Methylcholanthrene		ND	10	ug/L		09/09/95 1702	
Methyl methane sulfonate		ND	10	ug/L		09/09/95 1702	
2-Methylnaphthalene		ND	10	ug/L		09/09/95 1702	
Naphthalene		ND	10	ug/L		09/09/95 1702	
1,4-Naphthoquinone		ND	10	ug/L		09/09/95 1702	
1-Naphthylamine		ND	10	ug/L		09/09/95 1702	
2-Naphthylamine		ND	10	ug/L		09/09/95 1702	
o-Nitroaniline		ND	50	ug/L		09/09/95 1702	
m-Nitroaniline		ND	50	ug/L		09/09/95 1702	
p-Nitroaniline		ND	50	ug/L		09/09/95 1702	
Nitrobenzene		ND	10	ug/L		09/09/95 1702	
4-Nitroquinoline-1-oxide		ND	10	ug/L		09/09/95 1702	
n-Nitrosodi-n-butylamine		ND	10	ug/L		09/09/95 1702	
n-Nitrosodiethylamine		ND	10	ug/L		09/09/95 1702	
n-Nitrosodimethylamine		ND	10	ug/L		09/09/95 1702	
n-Nitrosomethylethylamine		ND	10	ug/L		09/09/95 1702	
n-Nitrosomorpholine		ND	10	ug/L		09/09/95 1702	
n-Nitrosodi-n-propylamine		ND	10	ug/L		09/09/95 1702	
n-Nitrosodiphenylamine		ND	10	ug/L		09/09/95 1702	
n-Nitrosopiperidine		ND	10	ug/L		09/09/95 1702	
n-Nitrosopyrrolidine		ND	10	ug/L		09/09/95 1702	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1702	



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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Ethyl parathion		ND	10	ug/L		09/09/95 1702	
Pentachlorobenzene		ND	10	ug/L		09/09/95 1702	
Pentachloronitrobenzene		ND	10	ug/L		09/09/95 1702	
Phenacetin		ND	10	ug/L		09/09/95 1702	
Phenanthrene		ND	10	ug/L		09/09/95 1702	
p-Phenylenediamine		ND	10	ug/L		09/09/95 1702	
Phorate		ND	10	ug/L		09/09/95 1702	
2-Picoline		ND	10	ug/L		09/09/95 1702	
Pronamide		ND	10	ug/L		09/09/95 1702	
Pyrene		ND	10	ug/L		09/09/95 1702	
Pyridine		ND	10	ug/L		09/09/95 1702	
Safrole		ND	10	ug/L		09/09/95 1702	
1,2,4,5-Tetrachlorobenzene		ND	10	ug/L		09/09/95 1702	
o-Toluidine		ND	10	ug/L		09/09/95 1702	
1,2,4-Trichlorobenzene		ND	10	ug/L		09/09/95 1702	
0,0,0-Triethyl phosphorothioate		ND	10	ug/L		09/09/95 1702	
1,3,5-Trinitrobenzene		ND	10	ug/L		09/09/95 1702	
Benzoic acid		ND	50	ug/L		09/09/95 1702	
4-Chloro-3-methylphenol		ND	10	ug/L		09/09/95 1702	
2-Chlorophenol		ND	10	ug/L		09/09/95 1702	
2,4-Dichlorophenol		ND	10	ug/L		09/09/95 1702	
2,6-Dichlorophenol		ND	10	ug/L		09/09/95 1702	
2,4-Dimethylphenol		ND	10	ug/L		09/09/95 1702	
2,4-Dinitrophenol		ND	50	ug/L		09/09/95 1702	
2-Methyl-4,6-dinitrophenol		ND	50	ug/L		09/09/95 1702	
2-Methylphenol (o-cresol)		ND	10	ug/L		09/09/95 1702	
3 & 4 Methylphenol (m&p cresol)		ND	10	ug/L		09/09/95 1702	
2-Nitrophenol		ND	10	ug/L		09/09/95 1702	
4-Nitrophenol		ND	50	ug/L		09/09/95 1702	
Pentachlorophenol		ND	50	ug/L		09/09/95 1702	
Phenol		ND	10	ug/L		09/09/95 1702	



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2,3,4,6-Tetrachlorophenol		ND	10	ug/L	SW-846 8240	09/09/95 1702	bfr
2,4,5-Trichlorophenol		ND	10	ug/L		09/09/95 1702	
2,4,6-Trichlorophenol		ND	10	ug/L		09/09/95 1702	
Volatile Organics (Client Requested)							
Acetonitrile		ND	100	ug/L		09/01/95 2332	
Acrolein		ND	50	ug/L		09/01/95 2332	
Acrylonitrile		ND	20	ug/L		09/01/95 2332	
Acetone		ND	100	ug/L		09/01/95 2332	
Allyl chloride		ND	20	ug/L		09/01/95 2332	
Benzene		6	5	ug/L		09/01/95 2332	
Benzyl chloride		ND	5	ug/L		09/01/95 2332	
Bromobenzene		ND	5	ug/L		09/01/95 2332	
Bromochloromethane		ND	5	ug/L		09/01/95 2332	
Bromodichloromethane		ND	5	ug/L		09/01/95 2332	
Bromoform		ND	5	ug/L		09/01/95 2332	
Bromomethane		ND	10	ug/L		09/01/95 2332	
Methyl ethyl ketone (2-Butanone)		ND	100	ug/L		09/01/95 2332	
Carbon disulfide		ND	5	ug/L		09/01/95 2332	
Carbon tetrachloride		ND	5	ug/L		09/01/95 2332	
Chlorobenzene		ND	5	ug/L		09/01/95 2332	
Chloroethane		ND	10	ug/L		09/01/95 2332	
2-Chloroethylvinyl ether		ND	5	ug/L		09/01/95 2332	
Chloroform		ND	5	ug/L		09/01/95 2332	
Chloromethane		ND	5	ug/L		09/01/95 2332	
2-Chloro-1,3-butadiene (chloroprene)		ND	5	ug/L		09/01/95 2332	
Dibromochloromethane		ND	5	ug/L		09/01/95 2332	
1,2-Dibromoethane (EDB)		ND	20	ug/L		09/01/95 2332	
1,2-Dibromo-3-chloropropane		ND	20	ug/L		09/01/95 2332	
Dibromomethane		ND	5	ug/L		09/01/95 2332	
trans-1,4-Dichloro-2-butene		ND	50	ug/L		09/01/95 2332	



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Dichlorodifluoromethane		ND	10	ug/L		09/01/95 2332	
1,1-Dichloroethane		ND	5	ug/L		09/01/95 2332	
1,2-Dichloroethane		ND	5	ug/L		09/01/95 2332	
1,1-Dichloroethene		ND	5	ug/L		09/01/95 2332	
cis-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2332	
trans-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2332	
1,2-Dichloropropane		ND	5	ug/L		09/01/95 2332	
cis-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2332	
trans-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2332	
Ethylbenzene		ND	5	ug/L		09/01/95 2332	
Ethyl methacrylate		ND	5	ug/L		09/01/95 2332	
2-Hexanone		ND	50	ug/L		09/01/95 2332	
Iodomethane		ND	5	ug/L		09/01/95 2332	
Isobutyl alcohol		ND	50	ug/L		09/01/95 2332	
Methylacrylonitrile		ND	50	ug/L		09/01/95 2332	
Methylene chloride		ND	5	ug/L		09/01/95 2332	
Methyl methacrylate		ND	5	ug/L		09/01/95 2332	
4-Methyl-2-pentanone (MIBK)		ND	50	ug/L		09/01/95 2332	
Pentachloroethane		ND	5	ug/L		09/01/95 2332	
Propionitrile		ND	100	ug/L		09/01/95 2332	
Styrene		ND	5	ug/L		09/01/95 2332	
1,1,1,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2332	
1,1,2,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2332	
Tetrachloroethene		ND	5	ug/L		09/01/95 2332	
Toluene		ND	5	ug/L		09/01/95 2332	
1,1,1-Trichloroethane		ND	5	ug/L		09/01/95 2332	
1,1,2-Trichloroethane		ND	5	ug/L		09/01/95 2332	
Trichloroethene		ND	5	ug/L		09/01/95 2332	
Trichlorofluoromethane		ND	10	ug/L		09/01/95 2332	
1,2,3-Trichloropropane		ND	5	ug/L		09/01/95 2332	
Vinyl acetate		ND	50	ug/L		09/01/95 2332	



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Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-99
Sample Date.....: 08/22/95
Sample Time.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID.: 954178-5
Date Received.....: 08/24/95
Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Vinyl chloride Xylenes (total)		ND ND	10 5	ug/L ug/L		09/01/95 2332 09/01/95 2332	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-9, 60'-62'
 Sample Date.....: 08/22/95
 Sample Time.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-6
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/29/95 1145	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/08/95 1025	lmt
Arsenic (As)	Solid	14	5	mg/Kg	SW-846 6010	08/30/95 2142	gef
Barium (Ba)	Solid	76	1	mg/Kg	SW-846 6010	08/30/95 2142	gef
Chromium (Cr)	Solid	15	1	mg/Kg	SW-846 6010	08/30/95 2142	gef
Lead (Pb)	Solid	5	5	mg/Kg	SW-846 6010	08/30/95 2142	gef
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		09/01/95 2046	
Acrolein	Solid	ND	50	ug/Kg		09/01/95 2046	
Acrylonitrile	Solid	ND	20	ug/Kg		09/01/95 2046	
Acetone	Solid	ND	100	ug/Kg		09/01/95 2046	
Allyl chloride	Solid	ND	20	ug/Kg		09/01/95 2046	
Benzene	Solid	ND	5	ug/Kg		09/01/95 2046	
Benzyl chloride	Solid	ND	5	ug/Kg		09/01/95 2046	
Bromobenzene	Solid	ND	5	ug/Kg		09/01/95 2046	
Bromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2046	
Bromodichloromethane	Solid	ND	5	ug/Kg		09/01/95 2046	
Bromoform	Solid	ND	5	ug/Kg		09/01/95 2046	
Bromomethane	Solid	ND	10	ug/Kg		09/01/95 2046	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		09/01/95 2046	
Carbon disulfide	Solid	ND	5	ug/Kg		09/01/95 2046	
Carbon tetrachloride	Solid	ND	5	ug/Kg		09/01/95 2046	
Chlorobenzene	Solid	ND	5	ug/Kg		09/01/95 2046	
Chloroethane	Solid	ND	10	ug/Kg		09/01/95 2046	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-9, 60'-62'
 Sample Date.....: 08/22/95
 Sample Time.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-6
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		09/01/95 2046	
Chloroform	Solid	ND	5	ug/Kg		09/01/95 2046	
Chloromethane	Solid	ND	5	ug/Kg		09/01/95 2046	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		09/01/95 2046	
Dibromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2046	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		09/01/95 2046	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		09/01/95 2046	
Dibromomethane	Solid	ND	5	ug/Kg		09/01/95 2046	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		09/01/95 2046	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		09/01/95 2046	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2046	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2046	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2046	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2046	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2046	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		09/01/95 2046	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2046	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2046	
Ethylbenzene	Solid	ND	5	ug/Kg		09/01/95 2046	
Ethyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2046	
2-Hexanone	Solid	ND	5	ug/Kg		09/01/95 2046	
Iodomethane	Solid	ND	5	ug/Kg		09/01/95 2046	
Isobutyl alcohol	Solid	ND	50	ug/Kg		09/01/95 2046	
Methylacrylonitrile	Solid	ND	50	ug/Kg		09/01/95 2046	
Methylene chloride	Solid	10	5	ug/Kg		09/01/95 2046	
Methyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2046	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		09/01/95 2046	
Pentachloroethane	Solid	ND	5	ug/Kg		09/01/95 2046	
Propionitrile	Solid	ND	100	ug/Kg		09/01/95 2046	
Styrene	Solid	ND	5	ug/Kg		09/01/95 2046	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		09/01/95 2046	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-9, 60'-62'
 Sample Date.....: 08/22/95
 Sample Time.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-6
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		09/01/95 2046	
Tetrachloroethene	Solid	ND	5	ug/Kg		09/01/95 2046	
Toluene	Solid	ND	5	ug/Kg		09/01/95 2046	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2046	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2046	
Trichloroethene	Solid	ND	5	ug/Kg		09/01/95 2046	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		09/01/95 2046	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		09/01/95 2046	
Vinyl acetate	Solid	ND	50	ug/Kg		09/01/95 2046	
Vinyl chloride	Solid	ND	10	ug/Kg		09/01/95 2046	
Xylenes (total)	Solid	ND	5	ug/Kg		09/01/95 2046	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7A, 10'-12'
 Sample Date.....: 08/22/95
 Sample Time.....: 08:45
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-7
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/29/95 1145	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/08/95 1030	lmt
Arsenic (As)	Solid	<5	5	mg/Kg	SW-846 6010	08/30/95 2153	gef
Barium (Ba)	Solid	301	1	mg/Kg	SW-846 6010	08/30/95 2153	gef
Chromium (Cr)	Solid	6	1	mg/Kg	SW-846 6010	08/30/95 2153	gef
Lead (Pb)	Solid	<5	5	mg/Kg	SW-846 6010	08/30/95 2153	gef
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		09/01/95 2118	
Acrolein	Solid	ND	50	ug/Kg		09/01/95 2118	
Acrylonitrile	Solid	ND	20	ug/Kg		09/01/95 2118	
Acetone	Solid	ND	100	ug/Kg		09/01/95 2118	
Allyl chloride	Solid	ND	20	ug/Kg		09/01/95 2118	
Benzene	Solid	ND	5	ug/Kg		09/01/95 2118	
Benzyl chloride	Solid	ND	5	ug/Kg		09/01/95 2118	
Bromobenzene	Solid	ND	5	ug/Kg		09/01/95 2118	
Bromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2118	
Bromodichloromethane	Solid	ND	5	ug/Kg		09/01/95 2118	
Bromoform	Solid	ND	5	ug/Kg		09/01/95 2118	
Bromomethane	Solid	ND	10	ug/Kg		09/01/95 2118	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		09/01/95 2118	
Carbon disulfide	Solid	ND	5	ug/Kg		09/01/95 2118	
Carbon tetrachloride	Solid	ND	5	ug/Kg		09/01/95 2118	
Chlorobenzene	Solid	ND	5	ug/Kg		09/01/95 2118	
Chloroethane	Solid	ND	10	ug/Kg		09/01/95 2118	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7A, 10'-12'
 Sample Date.....: 08/22/95
 Sample Time.....: 08:45
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-7
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		09/01/95 2118	
Chloroform	Solid	ND	5	ug/Kg		09/01/95 2118	
Chloromethane	Solid	ND	5	ug/Kg		09/01/95 2118	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		09/01/95 2118	
Dibromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2118	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		09/01/95 2118	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		09/01/95 2118	
Dibromomethane	Solid	ND	5	ug/Kg		09/01/95 2118	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		09/01/95 2118	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		09/01/95 2118	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2118	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2118	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2118	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2118	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2118	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		09/01/95 2118	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2118	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2118	
Ethylbenzene	Solid	ND	5	ug/Kg		09/01/95 2118	
Ethyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2118	
2-Hexanone	Solid	ND	5	ug/Kg		09/01/95 2118	
Iodomethane	Solid	ND	5	ug/Kg		09/01/95 2118	
Isobutyl alcohol	Solid	ND	50	ug/Kg		09/01/95 2118	
Methylacrylonitrile	Solid	ND	50	ug/Kg		09/01/95 2118	
Methylene chloride	Solid	6	5	ug/Kg		09/01/95 2118	
Methyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2118	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		09/01/95 2118	
Pentachloroethane	Solid	ND	5	ug/Kg		09/01/95 2118	
Propionitrile	Solid	ND	100	ug/Kg		09/01/95 2118	
Styrene	Solid	ND	5	ug/Kg		09/01/95 2118	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		09/01/95 2118	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7A, 10'-12'
 Sample Date.....: 08/22/95
 Sample Time.....: 08:45
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-7
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		09/01/95 2118	
Tetrachloroethene	Solid	ND	5	ug/Kg		09/01/95 2118	
Toluene	Solid	ND	5	ug/Kg		09/01/95 2118	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2118	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2118	
Trichloroethene	Solid	ND	5	ug/Kg		09/01/95 2118	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		09/01/95 2118	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		09/01/95 2118	
Vinyl acetate	Solid	ND	50	ug/Kg		09/01/95 2118	
Vinyl chloride	Solid	ND	10	ug/Kg		09/01/95 2118	
Xylenes (total)	Solid	ND	5	ug/Kg		09/01/95 2118	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7A, 50'-52'
 Sample Date.....: 08/22/95
 Sample Time.....: 11:04
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-8
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/29/95 1145	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/08/95 1035	lmt
Arsenic (As)	Solid	7	5	mg/Kg	SW-846 6010	08/30/95 2157	gef
Barium (Ba)	Solid	157	1	mg/Kg	SW-846 6010	08/30/95 2157	gef
Chromium (Cr)	Solid	19	1	mg/Kg	SW-846 6010	08/30/95 2157	gef
Lead (Pb)	Solid	6	5	mg/Kg	SW-846 6010	08/30/95 2157	gef
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		09/01/95 2150	
Acrolein	Solid	ND	50	ug/Kg		09/01/95 2150	
Acrylonitrile	Solid	ND	20	ug/Kg		09/01/95 2150	
Acetone	Solid	ND	100	ug/Kg		09/01/95 2150	
Allyl chloride	Solid	ND	20	ug/Kg		09/01/95 2150	
Benzene	Solid	ND	5	ug/Kg		09/01/95 2150	
Benzyl chloride	Solid	ND	5	ug/Kg		09/01/95 2150	
Bromobenzene	Solid	ND	5	ug/Kg		09/01/95 2150	
Bromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2150	
Bromodichloromethane	Solid	ND	5	ug/Kg		09/01/95 2150	
Bromoform	Solid	ND	5	ug/Kg		09/01/95 2150	
Bromomethane	Solid	ND	10	ug/Kg		09/01/95 2150	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		09/01/95 2150	
Carbon disulfide	Solid	ND	5	ug/Kg		09/01/95 2150	
Carbon tetrachloride	Solid	ND	5	ug/Kg		09/01/95 2150	
Chlorobenzene	Solid	ND	5	ug/Kg		09/01/95 2150	
Chloroethane	Solid	ND	10	ug/Kg		09/01/95 2150	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7A, 50'-52'

Sample Date.....: 08/22/95

Sample Time.....: 11:04

Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-8

Date Received.....: 08/24/95

Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		09/01/95 2150	
Chloroform	Solid	ND	5	ug/Kg		09/01/95 2150	
Chloromethane	Solid	ND	5	ug/Kg		09/01/95 2150	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		09/01/95 2150	
Dibromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2150	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		09/01/95 2150	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		09/01/95 2150	
Dibromomethane	Solid	ND	5	ug/Kg		09/01/95 2150	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		09/01/95 2150	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		09/01/95 2150	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2150	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2150	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2150	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2150	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2150	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		09/01/95 2150	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2150	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2150	
Ethylbenzene	Solid	ND	5	ug/Kg		09/01/95 2150	
Ethyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2150	
2-Hexanone	Solid	ND	5	ug/Kg		09/01/95 2150	
Iodomethane	Solid	ND	5	ug/Kg		09/01/95 2150	
Isobutyl alcohol	Solid	ND	50	ug/Kg		09/01/95 2150	
Methylacrylonitrile	Solid	ND	50	ug/Kg		09/01/95 2150	
Methylene chloride	Solid	8	5	ug/Kg		09/01/95 2150	
Methyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2150	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		09/01/95 2150	
Pentachloroethane	Solid	ND	5	ug/Kg		09/01/95 2150	
Propionitrile	Solid	ND	100	ug/Kg		09/01/95 2150	
Styrene	Solid	ND	5	ug/Kg		09/01/95 2150	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		09/01/95 2150	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7A, 50'-52'
 Sample Date.....: 08/22/95
 Sample Time.....: 11:04
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-8
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		09/01/95 2150	
Tetrachloroethene	Solid	ND	5	ug/Kg		09/01/95 2150	
Toluene	Solid	ND	5	ug/Kg		09/01/95 2150	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2150	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2150	
Trichloroethene	Solid	ND	5	ug/Kg		09/01/95 2150	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		09/01/95 2150	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		09/01/95 2150	
Vinyl acetate	Solid	ND	50	ug/Kg		09/01/95 2150	
Vinyl chloride	Solid	ND	10	ug/Kg		09/01/95 2150	
Xylenes (total)	Solid	ND	5	ug/Kg		09/01/95 2150	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7A, 70'-72'
 Sample Date.....: 08/22/95
 Sample Time.....: 13:45
 Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-9
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Acid Digestion: Solids		completed	0	Not Applicable	SW-846 3050	08/29/95 1145	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/08/95 1044	lmt
Arsenic (As)	Solid	12	5	mg/Kg	SW-846 6010	08/30/95 2158	gef
Barium (Ba)	Solid	102	1	mg/Kg	SW-846 6010	08/30/95 2158	gef
Chromium (Cr)	Solid	16	1	mg/Kg	SW-846 6010	08/30/95 2158	gef
Lead (Pb)	Solid	11	5	mg/Kg	SW-846 6010	08/30/95 2158	gef
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		09/01/95 2222	
Acrolein	Solid	ND	50	ug/Kg		09/01/95 2222	
Acrylonitrile	Solid	ND	20	ug/Kg		09/01/95 2222	
Acetone	Solid	ND	100	ug/Kg		09/01/95 2222	
Allyl chloride	Solid	ND	20	ug/Kg		09/01/95 2222	
Benzene	Solid	ND	5	ug/Kg		09/01/95 2222	
Benzyl chloride	Solid	ND	5	ug/Kg		09/01/95 2222	
Bromobenzene	Solid	ND	5	ug/Kg		09/01/95 2222	
Bromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2222	
Bromodichloromethane	Solid	ND	5	ug/Kg		09/01/95 2222	
Bromoform	Solid	ND	5	ug/Kg		09/01/95 2222	
Bromomethane	Solid	ND	10	ug/Kg		09/01/95 2222	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		09/01/95 2222	
Carbon disulfide	Solid	ND	5	ug/Kg		09/01/95 2222	
Carbon tetrachloride	Solid	ND	5	ug/Kg		09/01/95 2222	
Chlorobenzene	Solid	ND	5	ug/Kg		09/01/95 2222	
Chloroethane	Solid	ND	10	ug/Kg		09/01/95 2222	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7A, 70'-72'

Sample Date.....: 08/22/95

Sample Time.....: 13:45

Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-9

Date Received.....: 08/24/95

Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
2-Chloroethylvinyl ether	Solid	ND	5	ug/Kg		09/01/95 2222	
Chloroform	Solid	ND	5	ug/Kg		09/01/95 2222	
Chloromethane	Solid	ND	5	ug/Kg		09/01/95 2222	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		09/01/95 2222	
Dibromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2222	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		09/01/95 2222	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		09/01/95 2222	
Dibromomethane	Solid	ND	5	ug/Kg		09/01/95 2222	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		09/01/95 2222	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		09/01/95 2222	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2222	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2222	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2222	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2222	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2222	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		09/01/95 2222	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2222	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2222	
Ethylbenzene	Solid	ND	5	ug/Kg		09/01/95 2222	
Ethyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2222	
2-Hexanone	Solid	ND	5	ug/Kg		09/01/95 2222	
Iodomethane	Solid	ND	5	ug/Kg		09/01/95 2222	
Isobutyl alcohol	Solid	ND	50	ug/Kg		09/01/95 2222	
Methylacrylonitrile	Solid	ND	50	ug/Kg		09/01/95 2222	
Methylene chloride	Solid	9	5	ug/Kg		09/01/95 2222	
Methyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2222	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		09/01/95 2222	
Pentachloroethane	Solid	ND	5	ug/Kg		09/01/95 2222	
Propionitrile	Solid	ND	100	ug/Kg		09/01/95 2222	
Styrene	Solid	ND	5	ug/Kg		09/01/95 2222	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		09/01/95 2222	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: MW-7A, 70'-72'

Sample Date.....: 08/22/95

Sample Time.....: 13:45

Sample Matrix.....: Soil

Laboratory Sample ID.: 954178-9

Date Received.....: 08/24/95

Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1,2,2-Tetrachloroethane	Solid	ND	5	ug/Kg		09/01/95 2222	
Tetrachloroethene	Solid	ND	5	ug/Kg		09/01/95 2222	
Toluene	Solid	ND	5	ug/Kg		09/01/95 2222	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2222	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2222	
Trichloroethene	Solid	ND	5	ug/Kg		09/01/95 2222	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		09/01/95 2222	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		09/01/95 2222	
Vinyl acetate	Solid	ND	50	ug/Kg		09/01/95 2222	
Vinyl chloride	Solid	ND	10	ug/Kg		09/01/95 2222	
Xylenes (total)	Solid	ND	5	ug/Kg		09/01/95 2222	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: TRIP BLANK
 Sample Date.....: 08/11/95
 Sample Time.....: 00:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-10
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile		ND	100	ug/L		09/01/95 2020	
Acrolein		ND	50	ug/L		09/01/95 2020	
Acrylonitrile		ND	20	ug/L		09/01/95 2020	
Acetone		ND	100	ug/L		09/01/95 2020	
Allyl chloride		ND	20	ug/L		09/01/95 2020	
Benzene		ND	5	ug/L		09/01/95 2020	
Benzyl chloride		ND	5	ug/L		09/01/95 2020	
Bromobenzene		ND	5	ug/L		09/01/95 2020	
Bromochloromethane		ND	5	ug/L		09/01/95 2020	
Bromodichloromethane		ND	5	ug/L		09/01/95 2020	
Bromoform		ND	5	ug/L		09/01/95 2020	
Bromomethane		ND	10	ug/L		09/01/95 2020	
Methyl ethyl ketone (2-Butanone)		ND	100	ug/L		09/01/95 2020	
Carbon disulfide		ND	5	ug/L		09/01/95 2020	
Carbon tetrachloride		ND	5	ug/L		09/01/95 2020	
Chlorobenzene		ND	5	ug/L		09/01/95 2020	
Chloroethane		ND	10	ug/L		09/01/95 2020	
2-Chloroethylvinyl ether		ND	5	ug/L		09/01/95 2020	
Chloroform		ND	5	ug/L		09/01/95 2020	
Chloromethane		ND	5	ug/L		09/01/95 2020	
2-Chloro-1,3-butadiene (chloroprene)		ND	5	ug/L		09/01/95 2020	
Dibromochloromethane		ND	5	ug/L		09/01/95 2020	
1,2-Dibromoethane (EDB)		ND	20	ug/L		09/01/95 2020	
1,2-Dibromo-3-chloropropane		ND	20	ug/L		09/01/95 2020	
Dibromomethane		ND	5	ug/L		09/01/95 2020	
trans-1,4-Dichloro-2-butene		ND	50	ug/L		09/01/95 2020	
Dichlorodifluoromethane		ND	10	ug/L		09/01/95 2020	
1,1-Dichloroethane		ND	5	ug/L		09/01/95 2020	
1,2-Dichloroethane		ND	5	ug/L		09/01/95 2020	



CORE LABORATORIES

LABORATORY TESTS RESULTS

Report Date: 09/20/95

JOB NUMBER: 954178

CUSTOMER: Daniel B. Stevens & Associates

ATTN: Jeff Forbes

Customer Sample ID.: TRIP BLANK
 Sample Date.....: 08/11/95
 Sample Time.....: 00:00
 Sample Matrix.....: Water

Laboratory Sample ID.: 954178-10
 Date Received.....: 08/24/95
 Time Received.....: 10:00

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
1,1-Dichloroethene		ND	5	ug/L		09/01/95 2020	
cis-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2020	
trans-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2020	
1,2-Dichloropropane		ND	5	ug/L		09/01/95 2020	
cis-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2020	
trans-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2020	
Ethylbenzene		ND	5	ug/L		09/01/95 2020	
Ethyl methacrylate		ND	5	ug/L		09/01/95 2020	
2-Hexanone		ND	50	ug/L		09/01/95 2020	
Iodomethane		ND	5	ug/L		09/01/95 2020	
Isobutyl alcohol		ND	50	ug/L		09/01/95 2020	
Methylacrylonitrile		ND	50	ug/L		09/01/95 2020	
Methylene chloride		ND	5	ug/L		09/01/95 2020	
Methyl methacrylate		ND	5	ug/L		09/01/95 2020	
4-Methyl-2-pentanone (MIBK)		ND	50	ug/L		09/01/95 2020	
Pentachloroethane		ND	5	ug/L		09/01/95 2020	
Propionitrile		ND	100	ug/L		09/01/95 2020	
Styrene		ND	5	ug/L		09/01/95 2020	
1,1,1,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2020	
1,1,2,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2020	
Tetrachloroethene		ND	5	ug/L		09/01/95 2020	
Toluene		ND	5	ug/L		09/01/95 2020	
1,1,1-Trichloroethane		ND	5	ug/L		09/01/95 2020	
1,1,2-Trichloroethane		ND	5	ug/L		09/01/95 2020	
Trichloroethene		ND	5	ug/L		09/01/95 2020	
Trichlorofluoromethane		ND	10	ug/L		09/01/95 2020	
1,2,3-Trichloropropane		ND	5	ug/L		09/01/95 2020	
Vinyl acetate		ND	50	ug/L		09/01/95 2020	
Vinyl chloride		ND	10	ug/L		09/01/95 2020	
Xylenes (total)		ND	5	ug/L		09/01/95 2020	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Cyanide (Colorimetric, Manual)
Method Code.....: 9010
Batch Code.....: 1633

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: kds
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICL	Initial Calibration/Lab Control Sample	G950828A			200	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.47	0.50000			94.0

ICB	Initial Calibration Blank					08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

DSC	Distilled Std. Check	G950712A			200	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.47	0.50000			94.0

MB	Method Blank					08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

MD	Method Duplicate		954172-1	Unfiltered		08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Cyanide (CN)	0.02	0.00		0.00			0



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Cyanide (Colorimetric, Manual)
Method Code.: 9010
Batch Code.: 1633

Status.: RPT
QC Code.: STD
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: kds
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	G950828A	954172-1	Unfiltered	400	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.24	0.25000	0.00		96.0

CCV	Continuing Calibration Verification	G950828A			333.333	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.29	0.30000			96.7

CCB	Continuing Calibration Blank					08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Sulfide (Colorimetric, methylene blue)
Method Code.....: 376.2
Batch Code.....: 1639

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: pjm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICV	Initial Calibration Verification	G950829B			5	08/29/95	0700
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfide	0.05	0.41	0.40000			102.5

CCB	Continuing Calibration Blank					08/29/95	0700
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfide	0.05	0.00			

MD	Method Duplicate		954178-1	Unfiltered		08/29/95	0700
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfide	0.05	0.00		0.00			0

MS	Matrix Spike	G950829A	954178-1	Unfiltered	500	08/29/95	0700
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfide	0.05	0.56	0.61600	0.00		90.9

CCV	Continuing Calibration Verification	G950829B			5	08/29/95	0700
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfide	0.05	0.38	0.40000			95.0



Report Date: 09/20/95

Analyst ...: pjm
Job Number.: 954178

0.00



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Acid Digestion: Solids
Method Code.....: 3050
Batch Code.....: 1661

Status.....: RPT
QC Code.....:
Units.....:

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst ...: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acid Digestion: Solids	0	completed			

SB	Spiked Blank	950821D				08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

SB	Spiked Blank	950821D				08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

LCS	Laboratory Control Sample	950614J				08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

LCS	Laboratory Control Sample	950614J				08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Acid Digestion: Solids
Method Code.....: 3050
Batch Code.....: 1661

Status.....: RPT
QC Code.....:
Units.....:

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954091-1	Solid		08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion: Solids	0	completed		completed			

MS	Matrix Spike	950821D	954091-3	Solid		08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed		completed		

MD	Method Duplicate		954091-54	Solid		08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion: Solids	0	completed		completed			

MS	Matrix Spike	950821D	954091-56	Solid		08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed		completed		

SB	Spiked Blank	950821D				08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Acid Digestion: Solids
Method Code.: 3050
Batch Code.: 1661

Status.: RPT
QC Code.:
Units.:

Calc Code.:
Equipment Code.:
Import Code.:

Analyst :. lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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SB	Spiked Blank	950821D				08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

LCS	Laboratory Control Sample	950614J				08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

LCS	Laboratory Control Sample	950614J				08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

MD	Method Duplicate		954139-1	Solid		08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion: Solids	0	completed		completed			

MS	Matrix Spike	950821D	954139-2	Solid		08/29/95	1145
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed		completed		



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1667

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gef
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICV	Initial Calibration Verification	950531B				08/30/95	1809
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	1.92204	2.00			96.1
Chromium (Cr)	0.01	1.93843	2.00			96.9
Lead (Pb)	0.05	1.85783	2.00			92.9

ICV	Initial Calibration Verification	1206H				08/30/95	1812
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Barium (Ba)	0.01	2.02999	2.00			101.5

ICB	Initial Calibration Blank	950815J				08/30/95	1821
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	0.03396			
Barium (Ba)	0.01	0.00039			
Chromium (Cr)	0.01	-0.00141			
Lead (Pb)	0.05	-0.03516			

ISB	Interference Check Sample B	950816E				08/30/95	1830
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	0.98277	1.000			98.3
Barium (Ba)	0.01	0.48424	0.5000			96.8
Chromium (Cr)	0.01	0.46154	0.5000			92.3
Lead (Pb)	0.05	1.10698	1.000			110.7



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1667

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst .: gef
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	0829				08/30/95	1834
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	0.02457			
Barium (Ba)	0.01	0.00098			
Chromium (Cr)	0.01	-0.00141			
Lead (Pb)	0.05	-0.00274			

MB	Method Blank	0829				08/30/95	1835
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	0.03229			
Barium (Ba)	0.01	-0.00058			
Chromium (Cr)	0.01	0.00142			
Lead (Pb)	0.05	0.00008			

LCS	Laboratory Control Sample	950614J				08/30/95	1840
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	0.77584	.824			94.2
Barium (Ba)	0.01	2.12048	2.38			89.1
Chromium (Cr)	0.01	1.52130	1.67			91.1
Lead (Pb)	0.05	1.49530	1.62			92.3

LCS	Laboratory Control Sample	950614J				08/30/95	1841
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	0.75007	.824			91.0
Barium (Ba)	0.01	2.12932	2.38			89.5



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.: 6010

Batch Code.: 1667

Status.: RPT

QC Code.: MET

Units.: mg/L

Calc Code.: ICP

Equipment Code.: ICP

Import Code.: ICP01

Analyst : gef

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	950614J				08/30/95	1841
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chromium (Cr)	0.01	1.53119	1.67			91.7
Lead (Pb)	0.05	1.49074	1.62			92.0

MD	Method Duplicate			954139-1	Solid		08/30/95	1848
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Barium (Ba)	0.01	1.91684		1.92510		0	
Chromium (Cr)	0.01	0.94323		0.93898		0	
Lead (Pb)	0.05	0.42386		0.47135		11	

MD	Method Duplicate			954139-1	Solid		08/30/95	1850
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Arsenic (As)	0.05	0.02031		-0.02663			0.04694

CCV	Continuing Calibration Verification	950505D					08/30/95	1852
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.33116	2.5			93.2
Barium (Ba)	0.01	4.78105	5.0			95.6
Chromium (Cr)	0.01	2.33181	2.5			93.3
Lead (Pb)	0.05	2.28568	2.5			91.4



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1667

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst :.: gef
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank	950815J				08/30/95	1858
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	-0.00542			
Barium (Ba)	0.01	0.00019			
Chromium (Cr)	0.01	0.00141			
Lead (Pb)	0.05	0.01166			

MS	Matrix Spike	950821D	954139-2	Solid		08/30/95	1905
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	1.01101	1.000	-0.00481		101.6
Barium (Ba)	0.01	2.67408	1.000	2.02076		65.3
Chromium (Cr)	0.01	1.03789	1.000	0.13469		90.3
Lead (Pb)	0.05	1.49606	1.000	0.44870		104.7

PDS	Post Digestion Spike	950821D	954139-2	Solid		08/30/95	1909
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	0.83481	1.000	-0.00481		84.0
Barium (Ba)	0.01	2.93956	1.000	2.02076		91.9
Chromium (Cr)	0.01	1.05639	1.000	0.13469		92.2
Lead (Pb)	0.05	1.42198	1.000	0.44870		97.3

CCV	Continuing Calibration Verification	950505D				08/30/95	1933
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.45988	2.5			98.4
Barium (Ba)	0.01	4.85790	5.0			97.2



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1667

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst :.: gef
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950505D				08/30/95	1933
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chromium (Cr)	0.01	2.39137	2.5			95.7
Lead (Pb)	0.05	2.31905	2.5			92.8

CCB	Continuing Calibration Blank	950815J				08/30/95	2009
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	-0.01810			
Barium (Ba)	0.01	0.00078			
Chromium (Cr)	0.01	0.00283			
Lead (Pb)	0.05	0.00582			

CCV	Continuing Calibration Verification	950505D				08/30/95	2058
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.41437	2.5			96.6
Barium (Ba)	0.01	4.83647	5.0			96.7
Chromium (Cr)	0.01	2.39705	2.5			95.9
Lead (Pb)	0.05	2.37744	2.5			95.1

CCB	Continuing Calibration Blank	950815J				08/30/95	2104
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	0.01982			
Barium (Ba)	0.01	-0.00000			
Chromium (Cr)	0.01	-0.00426			
Lead (Pb)	0.05	-0.03233			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1667

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: gef
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950505D				08/30/95	2146
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.38882	2.5			95.6
Barium (Ba)	0.01	4.82576	5.0			96.5
Chromium (Cr)	0.01	2.36286	2.5			94.5
Lead (Pb)	0.05	2.28654	2.5			91.5

CCB	Continuing Calibration Blank	950815J				08/30/95	2150
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	-0.00185			
Barium (Ba)	0.01	0.00039			
Chromium (Cr)	0.01	-0.00141			
Lead (Pb)	0.05	-0.03224			

CCV	Continuing Calibration Verification	950505D				08/30/95	2213
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.35894	2.5			94.4
Barium (Ba)	0.01	4.78960	5.0			95.8
Chromium (Cr)	0.01	2.34159	2.5			93.7
Lead (Pb)	0.05	2.30005	2.5			92.0

CCB	Continuing Calibration Blank	950815J				08/30/95	2220
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	0.00005			
Barium (Ba)	0.01	0.00039			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.....: 6010

Batch Code.....: 1667

Status.....: RPT

QC Code.....: MET

Units.....: mg/L

Calc Code.....:

Equipment Code.: ICP

Import Code.....: ICP01

Analyst: gef

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				08/30/95	2220

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Chromium (Cr)	0.01	-0.00425			
Lead (Pb)	0.05	-0.01469			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Nitrogen, NO₃ + NO₂ (Auto Cd Red.)
Method Code.: 353.2P
Batch Code.: 1679

Status.: RPT
QC Code.: STD
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst : sgm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICL	Initial Calibration/Lab Control Sample	G941014A			100	08/29/95	0800
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Nitrate + Nitrite as N	0.05	1.0	1.00000			100.0

ICB	Initial Calibration Blank					08/29/95	0846
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Nitrate + Nitrite as N	0.05	0.0			

MD	Method Duplicate			954178-5	Unfiltered		08/29/95	1321
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Nitrate + Nitrite as N	0.05	0.1		0.1			0.0

MS	Matrix Spike	G941108B		954178-5	Unfiltered	100	08/29/95	1407
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Nitrate + Nitrite as N	0.05	1.1	1.00000	0.1		100.0

CCV	Continuing Calibration Verification	G941108B				50	08/29/95	1453
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Nitrate + Nitrite as N	0.05	1.9	2.00000			95.0



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Nitrogen, NO3 + NO2 (Auto Cd Red.)

Method Code.....: 353.2P

Batch Code.....: 1679

Status.....: RPT

QC Code.....: STD

Units.....: mg/L

Calc Code.....:

Equipment Code..:

Import Code.....:

Analyst: sgm

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					08/29/95	1539
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Nitrate + Nitrite as N	0.05	0.0			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Extraction (Sep. Funnel) Chlor. Pest
Method Code.....: 3510CP
Batch Code.....: 1681

Status.....: RPT
QC Code.....: 8000
Units.....: mL

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: mla
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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DU	Method Duplicate		954192-6			08/29/95	
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD
Separatory Funnel Liq/Liq Extraction		ND		ND		

MS	Matrix Spike		954192-17			08/29/95	
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Separatory Funnel Liq/Liq Extraction		ND		ND		

MB	Method Blank					08/29/95	
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction		ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Extraction (Sep. Funnel) PCBs
Method Code.....: 3510PC
Batch Code.....: 1684

Status.....: RPT
QC Code.....: 8000
Units.....: mL

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: mla
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					08/29/95	0000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction	0	ND			

DU	Method Duplicate			954192-6			08/29/95
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD
Separatory Funnel Liq/Liq Extraction	0	ND		ND		

MS	Matrix Spike			954192-17			08/29/95
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Separatory Funnel Liq/Liq Extraction	0	ND		ND		



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Extraction (Sep. Funnel) SVOC
Method Code.....: 3510
Batch Code.....: 1685

Status.....: RPT
QC Code.....:
Units.....: mL

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst ...: mla
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					08/29/95	0000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction	0	ND			

MS	Matrix Spike			954187-16			08/29/95
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Separatory Funnel Liq/Liq Extraction	0	ND		ND		

DU	Method Duplicate			954187-5			08/29/95
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD
Separatory Funnel Liq/Liq Extraction	0	ND		ND		



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Solids, Total Dissolved (TDS)
Method Code.....: 160.1
Batch Code.....: 1689

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....: TDS
Equipment Code...:
Import Code.....:

Analyst: sgm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					08/28/95	0900
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Solids, Total Dissolved (TDS)	10	0			

LCS	Laboratory Control Sample	G950427A				08/28/95	0900
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Solids, Total Dissolved (TDS)	10	504	500			100.8

MD	Method Duplicate		954178-1	Filtered		08/28/95	0900
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Solids, Total Dissolved (TDS)	10	3630		3650		0	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Alkalinity
Method Code.....: 310.1
Batch Code.....: 1730

Status.....: RPT
QC Code.....: STD
Units.....: mg/L CaCO₃

Calc Code.....: ALK4
Equipment Code...:
Import Code.....:

Analyst: sgm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					09/01/95	1600
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Alkalinity, Total as CaCO ₃	5	0			

LCS	Laboratory Control Sample	G950712B				09/01/95	1600
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Alkalinity, Total as CaCO ₃	5	102	100			102.0

MD	Method Duplicate			954178-1	Unfiltered		09/01/95	1600
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Alkalinity, Total as CaCO ₃	5	115		116		0	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Carbonate/Bicarbonate/Hydroxide
Method Code.....: 23208
Batch Code.....: 1731

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....: ALK4
Equipment Code...:
Import Code.....:

Analyst: sgm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					09/01/95	1600
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Bicarbonate (HCO ₃)	5	0			
Carbonate (CO ₃)	1	0			
Hydroxide (OH)	1	0			

MD	Method Duplicate		954178-1	Unfiltered		09/01/95	1600
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Bicarbonate (HCO ₃)	5	140		142		1	
Carbonate (CO ₃)	1	0		0			0
Hydroxide (OH)	1	0		0			0



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Sulfate (Automated MTB, AAI1)
Method Code.....: 375.2
Batch Code.....: 1732

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: sgm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICL	Initial Calibration/Lab Control Sample	G950517A				09/01/95	0900
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	78	75			104.0

ICB	Initial Calibration Blank					09/01/95	0913
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			

MD	Method Duplicate		954196-1	Unfiltered		09/01/95	0940
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (SO4)	10	18		19			1

MS	Matrix Spike	G950328A	954196-1	Unfiltered	20	09/01/95	0954
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	67	50.00000	19		96.0

MD	Method Duplicate		954205-1	Unfiltered		09/01/95	1021
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (SO4)	10	6		6			0



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Sulfate (Automated MTB, AAll)
Method Code.....: 375.2
Batch Code.....: 1732

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: sgm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	G950328A	954205-1	Unfiltered	20	09/01/95	1034
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	55	50.00000	6		98.0

MD	Method Duplicate		954178-1	Unfiltered	20	09/01/95	1101
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (SO4)	10	93		92		1	

MS	Matrix Spike	G950328A	954178-1	Unfiltered	20	09/01/95	1114
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	141	50.00000	92		98.0

CCV	Continuing Calibration Verification	G950720C				09/01/95	1128
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	121	120			100.8

CCB	Continuing Calibration Blank					09/01/95	1141
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Sulfate (Automated MTB, AAI1)
Method Code.....: 375.2
Batch Code.....: 1732

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: sgm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954196-2	Unfiltered		09/01/95	1302
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (S04)	10	13		15			2

MS	Matrix Spike	G950328A	954196-2	Unfiltered	20	09/01/95	1316
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfate (S04)	10	62	50.00000	15		94.0

CCV	Continuing Calibration Verification	G950720C				09/01/95	1409
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sulfate (S04)	10	121	120			100.8

CCB	Continuing Calibration Blank					09/01/95	1423
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (S04)	10	0			

CCV	Continuing Calibration Verification	G950720C				09/01/95	1503
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sulfate (S04)	10	124	120			103.3



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Sulfate (Automated MTB, AAIL)
Method Code.....: 375.2
Batch Code.....: 1732

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: sgm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					09/01/95	1517
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Cyanide (Colorimetric, Manual)
Method Code.....: 9010
Batch Code.....: 1749

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: kds
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICL	Initial Calibration/Lab Control Sample	G950712A			200	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.49	0.50000			98.0

ICB	Initial Calibration Blank					08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

DSC	Distilled Std. Check	G950828A			200	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.45	0.50000			90.0

MB	Method Blank					08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

MD	Method Duplicate		954187-2	Unfiltered		08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Cyanide (CN)	0.02	0.00		0.00			0



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Cyanide (Colorimetric, Manual)
Method Code.: 9010
Batch Code.: 1749

Status.: RPT
QC Code.: STD
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst : kds
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	G950828A	954187-21	Unfiltered	400	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.22	0.25000	0.00		88.0

CCV	Continuing Calibration Verification	G950828A			333.3333	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.30	0.30000			100.0

CCB	Continuing Calibration Blank					08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

CCV	Continuing Calibration Verification	G950828A			333.3333	08/28/95	1000
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.29	0.30000			96.7

CCB	Continuing Calibration Blank					08/28/95	1000
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Acid Digestion, Total Metals
Method Code.....: 3010
Batch Code.....: 1768

Status.....: RPT
QC Code.....:
Units.....: mL

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acid Digestion, Total Metals	0	completed			

LCS	Laboratory Control Sample	950825A				09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

LCS	Laboratory Control Sample	950426E				09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

LCS	Laboratory Control Sample	950426E			10	09/01/95	1100
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

MD	Method Duplicate		951855-1			09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Acid Digestion, Total Metals
Method Code.: 3010
Batch Code.: 1768

Status.: RPT
QC Code.:
Units.: mL

Calc Code.:
Equipment Code.:
Import Code.:

Analyst :. lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	950821D	951855-3			09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		

MD	Method Duplicate		954188-1			09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			

MS	Matrix Spike	950821D	954192-1			09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		

MD	Method Duplicate		954183-1	Total		09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			

MS	Matrix Spike	950821D	954183-2	Total		09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Acid Digestion, Total Metals
Method Code.....: 3010
Batch Code.....: 1768

Status.....: RPT
QC Code.....:
Units.....: mL

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acid Digestion, Total Metals	0	completed			

LCS	Laboratory Control Sample	950825A				09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

LCS	Laboratory Control Sample	950426E				09/01/95	1100
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

LCS	Laboratory Control Sample	950426E			10	09/01/95	1100
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.....: 7470
Batch Code.....: 1780

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICV	Initial Calibration Verification	1121H			10	09/06/95	0910
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00427	0.00400			106.8

ICB	Initial Calibration Blank					09/06/95	0912
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00000			

MD	Method Duplicate			954178-1		09/06/95	0916
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Mercury (Hg)	0.0002	0.00023		0.00023			0.00000

MS	Matrix Spike	950905E	954178-2	Total	20	09/06/95	0919
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00600	0.00500	0.00000		120.0

CCV	Continuing Calibration Verification	1013P			4000	09/06/95	0933
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00273	0.00250			109.2



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.....: 7470
Batch Code.....: 1780

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/06/95	0935

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00009			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)

Method Code.: 8240C

Batch Code.: 1801

Status.: RPT

QC Code.: 8000

Units.: ug/L

Calc Code.:

Equipment Code.:

Import Code.:

Analyst .: bfr

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank				Solid	09/01/95	1909
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acetonitrile	100	ND			
Acrolein	50	ND			
Acrylonitrile	20	ND			
Acetone	100	ND			
Allyl chloride	20	ND			
Benzene	5	ND			
Benzyl chloride	5	ND			
Bromobenzene	5	ND			
Bromochloromethane	5	ND			
Bromodichloromethane	5	ND			
Bromoform	5	ND			
Bromomethane	10	ND			
Methyl ethyl ketone (2-Butanone)	100	ND			
Carbon disulfide	5	ND			
Carbon tetrachloride	5	ND			
Chlorobenzene	5	ND			
Chloroethane	10	ND			
2-Chloroethylvinyl ether	5	ND			
Chloroform	5	ND			
Chloromethane	5	ND			
2-Chloro-1,3-butadiene (chloroprene)	5	ND			
Dibromochloromethane	5	ND			
1,2-Dibromoethane (EDB)	20	ND			
1,2-Dibromo-3-chloropropane	20	ND			
Dibromomethane	5	ND			
trans-1,4-Dichloro-2-butene	50	ND			
Dichlorodifluoromethane	10	ND			
1,1-Dichloroethane	5	ND			
1,2-Dichloroethane	5	ND			
1,1-Dichloroethene	5	ND			
cis-1,2-Dichloroethene	5	ND			
trans-1,2-Dichloroethene	5	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)

Method Code.: 8240C

Batch Code.: 1801

Status.: RPT

QC Code.: 8000

Units.: ug/L

Calc Code.:

Equipment Code.:

Import Code.:

Analyst: bfr

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/01/95	1909

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
1,2-Dichloropropane	5	ND			
cis-1,3-Dichloropropene	5	ND			
trans-1,3-Dichloropropene	5	ND			
Ethylbenzene	5	ND			
Ethyl methacrylate	5	ND			
2-Hexanone	50	ND			
Iodomethane	5	ND			
Isobutyl alcohol	50	ND			
Methylacrylonitrile	50	ND			
Methylene chloride	5	11			
Methyl methacrylate	5	ND			
4-Methyl-2-pentanone (MIBK)	50	ND			
Pentachloroethane	5	ND			
Propionitrile	100	ND			
Styrene	5	ND			
1,1,1,2-Tetrachloroethane	5	ND			
1,1,2,2-Tetrachloroethane	5	ND			
Tetrachloroethene	5	ND			
Toluene	5	ND			
1,1,1-Trichloroethane	5	ND			
1,1,2-Trichloroethane	5	ND			
Trichloroethene	5	ND			
Trichlorofluoromethane	10	ND			
1,2,3-Trichloropropane	5	ND			
Vinyl acetate	50	ND			
Vinyl chloride	10	ND			
Xylenes (total)	5	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)

Method Code.: 8240C

Batch Code.: 1801

Status.: RPT

QC Code.: 8000

Units.: ug/L

Calc Code.:

Equipment Code.:

Import Code.:

Analyst : bfr

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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RS	Reference Standard	V950901C		Solid		09/01/95	2013
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Benzene	5	47.2	50.3			93.8
Bromodichloromethane	5	48.4	50.3			96.2
Bromoform	5	49.1	50.2			97.8
Carbon tetrachloride	5	47.8	50.3			95.0
Chlorobenzene	5	49.6	50.3			98.6
Chloroform	5	49.1	50.2			97.8
Dibromochloromethane	5	47.4	50.3			94.2
1,1-Dichloroethane	5	48.6	50.2			96.8
1,2-Dichloroethane	5	50.7	50.3			100.8
1,1-Dichloroethene	5	48.0	50.3			95.4
trans-1,2-Dichloroethene	5	47.7	50.3			94.8
1,2-Dichloropropane	5	49.6	50.3			98.6
Ethylbenzene	5	38.9	50.3			77.3
Methylene chloride	5	48.0	50.3			95.4
1,1,2,2-Tetrachloroethane	5	47.6	50.3			94.6
Tetrachloroethene	5	28.2	50.3			56.1
Toluene	5	48.0	50.3			95.4
1,1,1-Trichloroethane	5	48.7	50.3			96.8
1,1,2-Trichloroethane	5	49.7	50.3			98.8
Trichloroethene	5	53.4	50.3			106.2

MST	Matrix Spike (with unique test limits)	V950901B	954182-3	Solid		09/01/95	2358
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Benzene	5	41.3	50.940	ND		81.1
Chlorobenzene	5	40.4	50.525	ND		80.0
1,1-Dichloroethene	5	39.2	52.475	ND		74.7
Toluene	5	40.8	50.310	ND		81.1
Trichloroethene	5	39.9	50.505	ND		79.0



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1801

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MTD	Matrix Spike Duplicate	V950901B	954182-3	Solid		09/02/95	0030
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	RPD
Benzene	5	40.7	50.940	ND	41.3	79.9	2
Chlorobenzene	5	40.7	50.525	ND	40.4	80.6	1
1,1-Dichloroethene	5	39.2	52.475	ND	39.2	74.7	0
Toluene	5	40.6	50.310	ND	40.8	80.7	1
Trichloroethene	5	39.4	50.505	ND	39.9	78.0	1



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.....: 8240C
Batch Code.....: 1802

Status.....: RPT
QC Code.....: 8000
Units.....: ug/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: bfr
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/01/95	1916

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acetonitrile	100	ND			
Acrolein	50	ND			
Acrylonitrile	20	ND			
Acetone	100	ND			
Allyl chloride	20	ND			
Benzene	5	ND			
Benzyl chloride	5	ND			
Bromobenzene	5	ND			
Bromochloromethane	5	ND			
Bromodichloromethane	5	ND			
Bromoform	5	ND			
Bromomethane	10	ND			
Methyl ethyl ketone (2-Butanone)	100	ND			
Carbon disulfide	5	ND			
Carbon tetrachloride	5	ND			
Chlorobenzene	5	ND			
Chloroethane	10	ND			
2-Chloroethylvinyl ether	5	ND			
Chloroform	5	ND			
Chloromethane	5	ND			
2-Chloro-1,3-butadiene (chloroprene)	5	ND			
Dibromochloromethane	5	ND			
1,2-Dibromoethane (EDB)	20	ND			
1,2-Dibromo-3-chloropropane	20	ND			
Dibromomethane	5	ND			
trans-1,4-Dichloro-2-butene	50	ND			
Dichlorodifluoromethane	10	ND			
1,1-Dichloroethane	5	ND			
1,2-Dichloroethane	5	ND			
1,1-Dichloroethene	5	ND			
cis-1,2-Dichloroethene	5	ND			
trans-1,2-Dichloroethene	5	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.....: 8240C
Batch Code.....: 1802

Status.....: RPT
QC Code.....: 8000
Units.....: ug/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: bfr
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					09/01/95	1916
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
1,2-Dichloropropane	5	ND			
cis-1,3-Dichloropropene	5	ND			
trans-1,3-Dichloropropene	5	ND			
Ethylbenzene	5	ND			
Ethyl methacrylate	5	ND			
2-Hexanone	50	ND			
Iodomethane	5	ND			
Isobutyl alcohol	50	ND			
Methylacrylonitrile	50	ND			
Methylene chloride	5	ND			
Methyl methacrylate	5	ND			
4-Methyl-2-pentanone (MIBK)	50	ND			
Pentachloroethane	5	ND			
Propionitrile	100	ND			
Styrene	5	ND			
1,1,1,2-Tetrachloroethane	5	ND			
1,1,2,2-Tetrachloroethane	5	ND			
Tetrachloroethene	5	ND			
Toluene	5	ND			
1,1,1-Trichloroethane	5	ND			
1,1,2-Trichloroethane	5	ND			
Trichloroethene	5	ND			
Trichlorofluoromethane	10	ND			
1,2,3-Trichloropropane	5	ND			
Vinyl acetate	50	ND			
Vinyl chloride	10	ND			
Xylenes (total)	5	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1802

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst : bfr
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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RS	Reference Standard	V950901C				09/01/95	1948
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Benzene	5	49.5	50.3			98.4
Bromodichloromethane	5	48.9	50.3			97.2
Bromoform	5	50.9	50.2			101.4
Carbon tetrachloride	5	50.5	50.3			100.4
Chlorobenzene	5	51.5	50.3			102.4
Chloroform	5	51.1	50.2			101.8
Dibromochloromethane	5	49.2	50.3			97.8
1,1-Dichloroethane	5	48.3	50.2			96.2
1,2-Dichloroethane	5	51.3	50.3			102.0
1,1-Dichloroethene	5	49.0	50.3			97.4
trans-1,2-Dichloroethene	5	48.7	50.3			96.8
1,2-Dichloropropane	5	51.6	50.3			102.6
Ethylbenzene	5	42.8	50.3			85.1
Methylene chloride	5	46.8	50.3			93.0
1,1,2,2-Tetrachloroethane	5	49.0	50.3			97.4
Tetrachloroethene	5	32.6	50.3			64.8
Toluene	5	49.2	50.3			97.8
1,1,1-Trichloroethane	5	50.2	50.3			99.8
1,1,2-Trichloroethane	5	50.3	50.3			100.0
Trichloroethene	5	52.4	50.3			104.2

ST	Spiked Blank	V950901D				09/02/95	0108
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Benzene	5	49.2	50.940			96.6
Chlorobenzene	5	49.7	50.525			98.4
1,1-Dichloroethene	5	42.8	52.475			81.6
Toluene	5	48.6	50.310			96.6
Trichloroethene	5	44.4	50.505			87.9



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)

Method Code.: 8240C

Batch Code.: 1802

Status.: RPT

QC Code.: 8000

Units.: ug/L

Calc Code.:

Equipment Code.:

Import Code.:

Analyst .: bfr

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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STD	Spiked Blank Duplicate	V950901D				09/02/95	0140
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	RPD
Benzene	5	48.0	50.940		49.2	94.2	2
Chlorobenzene	5	48.3	50.525		49.7	95.6	3
1,1-Dichloroethene	5	41.6	52.475		42.8	79.3	3
Toluene	5	47.6	50.310		48.6	94.6	2
Trichloroethene	5	42.9	50.505		44.4	84.9	3



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Chloride (Colorimetric, AA II)
 Method Code.....: 325.2
 Batch Code.....: 1810

Status.....: RPT
 QC Code.....: STD
 Units.....: mg/L

Calc Code.....:
 Equipment Code...:
 Import Code.....:

Analyst: sgm
 Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICL	Initial Calibration/Lab Control Sample	G950719F				09/05/95	1500
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	52.0	50.0			104.0

ICB	Initial Calibration Blank					09/05/95	1505
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Chloride	0.5	0			

MD	Method Duplicate		954178-1	Unfiltered	6	09/05/95	1514
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Chloride	0.5	66.9		67.5		0	

MS	Matrix Spike	G950503A	954178-1	Unfiltered	20	09/05/95	1519
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	114	50.00000	67.5		93.0

CCV	Continuing Calibration Verification	G950719D				09/05/95	1553
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	81.8	80.0			102.2



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Chloride (Colorimetric, AA II)
Method Code.....: 325.2
Batch Code.....: 1810

Status.....: RPT
QC Code.....: STD
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: sgm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					09/05/95	1558
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Chloride	0.5	0			

MD	Method Duplicate			954196-1	Unfiltered		09/05/95	1607
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Chloride	0.5	4.0		3.7		8	

MS	Matrix Spike	G950503A		954196-1	Unfiltered	20	09/05/95	1612
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	57.6	50.00000	3.7		107.8

LCS	Laboratory Control Sample	G950719F					09/05/95	1646
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	53.6	50.0			107.2

CCV	Continuing Calibration Verification	G950719D					09/05/95	1650
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	81.7	80.0			102.1



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Chloride (Colorimetric, AA II)
Method Code.: 325.2
Batch Code.: 1810

Status.: RPT
QC Code.: STD
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: sgm
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/05/95	1655

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Chloride	0.5	0			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.....: 7470
Batch Code.....: 1832

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICV	Initial Calibration Verification	1121H			10	09/08/95	0900
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00404	0.00400			101.0

ICB	Initial Calibration Blank					09/08/95	0903
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.0001			

MD	Method Duplicate		954179-1	Dissolved		09/08/95	0908
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Mercury (Hg)	0.0002	0.00003		0.00005			0.00002

MS	Matrix Spike	950907B	954179-2	Dissolved	20	09/08/95	0914
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00498	0.00500	0.00000		99.6

CCV	Continuing Calibration Verification	1013P			4000	09/08/95	0933
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00248	0.00250			99.2



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.: 7470
Batch Code.: 1832

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					09/08/95	0935
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.0001			

MD	Method Duplicate			954188-1	Total		09/08/95	0957
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Mercury (Hg)	0.0002	0.00016		0.00016			0.00000

MS	Matrix Spike	950907B		954192-1	Total	20	09/08/95	1003
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00480	0.00500	0.00013		93.4

CCV	Continuing Calibration Verification	1013P				4000	09/08/95	1005
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00230	0.00250			92.0

CCB	Continuing Calibration Blank						09/08/95	1008
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00008			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.....: 7470
Batch Code.....: 1832

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst ...: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	950614J				09/08/95	1022
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00180	0.00192			93.8

MD	Method Duplicate		954178-6	Solid		09/08/95	1027
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Mercury (Hg)	0.0002	0.00008		0.00013			0.00005

MS	Matrix Spike	950907B	954178-7	Solid	20	09/08/95	1033
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00511	0.00500	0.00000		102.2

CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1038
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00250	0.00250			100.0

CCB	Continuing Calibration Blank					09/08/95	1041
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00008			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.....: 7470
Batch Code.....: 1832

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					09/08/95	1055
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00010			

EB	Extraction Blank					10	09/08/95	1057
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00010			

MS	Matrix Spike	9509078	954121-26	Total	20		09/08/95	1103
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00493	0.00500	0.00060		86.6

CCV	Continuing Calibration Verification	1013P				4000	09/08/95	1108
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00240	0.00250			96.0

CCB	Continuing Calibration Blank						09/08/95	1111
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.0001			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.: 7470
Batch Code.: 1832

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst :.: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	950907B	954186-3		20	09/08/95	1125
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00496	0.00500	-0.00005		100.2

ED	Extraction Duplicate		954190-5			09/08/95	1133
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Mercury (Hg)	0.0002	0.00050		0.00055			0.00005

DD	Digestion Duplicate		954190-5			09/08/95	1135
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Mercury (Hg)	0.0002	0.00055		0.00055			0.00000

CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1141
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00237	0.00250			94.8

CCB	Continuing Calibration Blank					09/08/95	1144
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00003			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Mercury (CVAA)
Method Code.....: 7470
Batch Code.....: 1832

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1146
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00248	0.00250			99.2

CCB	Continuing Calibration Blank					09/08/95	1149
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00000			

MD	Method Duplicate		954237-1	Total		09/08/95	1155
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Mercury (Hg)	0.0002	0.00817		0.00710		14	

CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1157
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00235	0.00250			94.0

CCB	Continuing Calibration Blank					09/08/95	1200
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00008			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.: 6010

Batch Code.: 1871

Status.: RPT

QC Code.: MET

Units.: mg/L

Calc Code.: ICP

Equipment Code.: ICP

Import Code.: ICP01

Analyst :. lmt

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICV	Initial Calibration Verification	950426E				09/11/95	1304
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	212.72598	200			106.4
Magnesium (Mg)	0.5	203.56011	200			101.8
Sodium (Na)	1.0	200.66516	200			100.3

ICB	Initial Calibration Blank					09/11/95	1317
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1.0	-0.06408			
Magnesium (Mg)	0.5	-0.27016			
Sodium (Na)	1.0	0.04973			

ISA	Interference Check Sample A	950612I				09/11/95	1324
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	551.52343	500			110.3
Magnesium (Mg)	0.5	539.33569	500			107.9
Sodium (Na)	5	533.61914	500			106.7

ISB	Interference Check Sample B	950816E				09/11/95	1347
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	523.05187	500			104.6
Magnesium (Mg)	0.5	505.07751	500			101.0
Sodium (Na)	5	495.32171	500			99.1



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.....: 6010

Batch Code.....: 1871

Status.....: RPT

QC Code.....: MET

Units.....: mg/L

Calc Code.....:

Equipment Code...: ICP

Import Code.....: ICP01

Analyst: lmt

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					09/11/95	1417
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1.0	0.06408			
Magnesium (Mg)	0.5	-0.28946			
Sodium (Na)	1.0	-0.05346			

LCS	Laboratory Control Sample	950825A				09/11/95	1426
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	0.90513	1.00			90.5

LCS	Laboratory Control Sample	950426E				09/11/95	1428
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	203.29208	200			101.6
Magnesium (Mg)	0.5	192.23489	200			96.1
Sodium (Na)	1.0	194.25090	200			97.1

LCS	Laboratory Control Sample	950426E			10	09/11/95	1433
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Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Magnesium (Mg)	0.5	22.24136	20.00000			111.2
Sodium (Na)	1.0	20.99838	20.00000			105.0



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1871

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst ...: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954188-9	Total		09/11/95	1439
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Calcium (Ca)	1.0	1.29083		0.74153			0.54930
Magnesium (Mg)	0.5	0.09803		0.05634			0.04169
Sodium (Na)	1.0	163.68766		166.00770		1	

MS	Matrix Spike	950821D	954183-2	Total		09/11/95	1444
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	316.03381	50.00	262.02032		108.0
Magnesium (Mg)	0.5	65.83486	50.00	16.40661		98.9
Sodium (Na)	1.0	153.28359	50.000	106.58212		93.4

CCV	Continuing Calibration Verification	950706A				09/11/95	1449
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	47.21248	50.0			94.4

CCV	Continuing Calibration Verification	950605C				09/11/95	1458
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	267.01702	250.00			106.8
Magnesium (Mg)	0.5	243.26252	250.00			97.3



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
 Method Code.....: 6010
 Batch Code.....: 1871

Status.....: RPT
 QC Code.....: MET
 Units.....: mg/L

Calc Code.....:
 Equipment Code...: ICP
 Import Code.....: ICP01

Analyst: lmt
 Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					09/11/95	1509
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1.0	-0.54216			
Magnesium (Mg)	0.5	-0.06020			
Sodium (Na)	1.0	0.09076			

CCV	Continuing Calibration Verification	950706A				09/11/95	1548
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	48.51031	50.0			97.0

CCV	Continuing Calibration Verification	950605C				09/11/95	1607
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	271.65765	250.00			108.7
Magnesium (Mg)	0.5	271.52536	250.00			108.6

CCB	Continuing Calibration Blank					09/11/95	1625
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1.0	-0.32272			
Magnesium (Mg)	0.5	-0.06209			
Sodium (Na)	1.0	0.01987			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1871

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICP
Import Code.....: ICP01

Analyst: lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank					09/11/95	1647
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Magnesium (Mg)	0.5	-0.20636			
Sodium (Na)	1.0	-0.00993			

EB	Extraction Blank					09/11/95	1650
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1.0	-0.13254			
Magnesium (Mg)	0.5	-0.01369			
Sodium (Na)	1.0	0.01713			

CCV	Continuing Calibration Verification	950706A				09/11/95	1658
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	50.63763	50.0			101.3

CCV	Continuing Calibration Verification	950605C				09/11/95	1704
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	274.38629	250.00			109.8
Magnesium (Mg)	0.5	258.03530	250.00			103.2



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1871

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst :. lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					09/11/95	1710
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1.0	-0.34526			
Magnesium (Mg)	0.5	0.19051			
Sodium (Na)	1.0	-0.47697			

ISA	Interference Check Sample A	9506121				09/11/95	1740
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	511.74819	500			102.3
Magnesium (Mg)	0.5	549.79095	500			110.0
Sodium (Na)	5	543.66943	500			108.7

ISB	Interference Check Sample B	950816E				09/11/95	1752
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	490.71417	500			98.1
Magnesium (Mg)	0.5	518.10961	500			103.6
Sodium (Na)	5	513.98486	500			102.8

CCV	Continuing Calibration Verification	950706A				09/11/95	1755
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	49.35380	50.0			98.7



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1871

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP01

Analyst :. lmt
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950605C				09/11/95	1758
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1.0	264.01055	250.00			105.6
Magnesium (Mg)	0.5	250.23567	250.00			100.1

CCB	Continuing Calibration Blank					09/11/95	1801
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1.0	-0.22714			
Magnesium (Mg)	0.5	0.17737			
Sodium (Na)	1.0	-0.50696			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 200.7
Batch Code.....: 1874

Status.....: RPT
QC Code.....: 2007
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICV	Initial Calibration Verification	950607B				09/11/95	1744
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.06552	2.00			103.3
Beryllium (Be)	0.005	2.04100	2.00			102.0
Cadmium (Cd)	0.005	1.97134	2.00			98.6
Cobalt (Co)	0.03	1.97311	2.00			98.7
Chromium (Cr)	0.01	1.98102	2.00			99.1
Copper (Cu)	0.01	1.99531	2.00			99.8
Nickel (Ni)	0.04	1.94439	2.00			97.2
Lead (Pb)	0.05	1.96563	2.00			98.3
Antimony (Sb)	0.1	2.03325	2.00			101.7
Selenium (Se)	0.1	2.01685	2.00			100.8
Thallium (Tl)	0.1	1.94542	2.00			97.3
Vanadium (V)	0.05	1.93525	2.00			96.8
Zinc (Zn)	0.01	1.99000	2.00			99.5

ICV	Initial Calibration Verification	9503020				09/11/95	1748
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	1.02662	1.00			102.7
Aluminum (Al)	0.05	0.95236	1.00			95.2
Barium (Ba)	0.01	1.02425	1.00			102.4

ICV	Initial Calibration Verification	950426E				09/11/95	1752
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	94.15293	100			94.2



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 200.7
Batch Code.....: 1874

Status.....: RPT
QC Code.....: 2007
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst ...: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICB	Initial Calibration Blank					09/11/95	1805
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	0.00454			
Aluminum (Al)	0.05	0.00001			
Arsenic (As)	0.05	0.00074			
Barium (Ba)	0.01	0.00000			
Beryllium (Be)	0.005	-0.00008			
Cadmium (Cd)	0.005	0.00021			
Cobalt (Co)	0.03	0.00021			
Chromium (Cr)	0.01	-0.00156			
Copper (Cu)	0.01	0.00030			
Potassium (K)	5	0.01315			
Nickel (Ni)	0.04	-0.00023			
Lead (Pb)	0.05	0.00103			
Antimony (Sb)	0.1	0.00236			
Selenium (Se)	0.1	0.00362			
Thallium (Tl)	0.1	-0.00109			
Vanadium (V)	0.05	-0.00087			
Zinc (Zn)	0.01	-0.00055			

ISA	Interference Check Sample A	950612I				09/11/95	1818
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	573.64343	500			114.7

ISB	Interference Check Sample B	950816E				09/11/95	1825
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	1.06501	1.000			106.5
Aluminum (Al)	0.05	552.17700	500			110.4



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 200.7
Batch Code.: 1874

Status.: RPT
QC Code.: 2007
Units.: mg/L

Calc Code.:
Equipment Code.: ICPT
Import Code.: ICP02

Analyst : gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ISB	Interference Check Sample B	950816E				09/11/95	1825
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	1.05591	1.000			105.6
Barium (Ba)	0.01	0.55866	0.5000			111.7
Beryllium (Be)	0.005	0.51563	0.5000			103.1
Cadmium (Cd)	0.005	0.97084	1.000			97.1
Cobalt (Co)	0.03	0.47536	0.5000			95.1
Chromium (Cr)	0.01	0.48955	0.5000			97.9
Copper (Cu)	0.01	0.54901	0.5000			109.8
Potassium (K)	5	9.02440	10.000			90.2
Nickel (Ni)	0.04	0.91580	1.000			91.6
Lead (Pb)	0.05	0.95713	1.000			95.7
Antimony (Sb)	0.1	1.02676	1.000			102.7
Selenium (Se)	0.1	1.06192	1.000			106.2
Thallium (Tl)	0.1	1.03249	1.000			103.2
Vanadium (V)	0.05	0.50102	0.5000			100.2
Zinc (Zn)	0.01	1.02247	1.000			102.2

MB	Method Blank	0911				09/11/95	1844
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	-0.00191			
Aluminum (Al)	0.05	-0.02928			
Arsenic (As)	0.05	-0.00327			
Barium (Ba)	0.01	-0.00009			
Beryllium (Be)	0.005	0.00007			
Cadmium (Cd)	0.005	0.00017			
Cobalt (Co)	0.03	0.00021			
Chromium (Cr)	0.01	-0.00170			
Copper (Cu)	0.01	-0.00185			
Potassium (K)	5	0.05076			
Nickel (Ni)	0.04	-0.00162			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 200.7
Batch Code.....: 1874

Status.....: RPT
QC Code.....: 2007
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	0911				09/11/95	1844
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Lead (Pb)	0.05	-0.00091			
Antimony (Sb)	0.1	-0.00455			
Selenium (Se)	0.1	0.00731			
Thallium (Tl)	0.1	0.00416			
Vanadium (V)	0.05	-0.00043			
Zinc (Zn)	0.01	0.00000			

LCS	Laboratory Control Sample	950825A				09/11/95	1849
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	1.10828	1.00			110.8
Aluminum (Al)	0.05	0.93205	1.00			93.2
Arsenic (As)	0.05	1.06138	1.00			106.1
Barium (Ba)	0.01	1.00843	1.00			100.8
Beryllium (Be)	0.005	1.03734	1.00			103.7
Cadmium (Cd)	0.005	1.01228	1.00			101.2
Cobalt (Co)	0.03	1.00979	1.00			101.0
Chromium (Cr)	0.01	1.01355	1.00			101.4
Copper (Cu)	0.01	1.01801	1.00			101.8
Nickel (Ni)	0.04	1.00527	1.00			100.5
Lead (Pb)	0.05	1.01215	1.00			101.2
Antimony (Sb)	0.1	1.04616	1.00			104.6
Selenium (Se)	0.1	1.03407	1.00			103.4
Thallium (Tl)	0.1	0.99746	1.00			99.7
Vanadium (V)	0.05	0.98017	1.00			98.0
Zinc (Zn)	0.01	1.04621	1.00			104.6



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.....: 200.7

Batch Code.....: 1874

Status.....: RPT

QC Code.....: 2007

Units.....: mg/L

Calc Code.....:

Equipment Code...: ICPT

Import Code.....: ICP02

Analyst: gag

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	950426E				09/11/95	1852
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	88.17813	100			88.2

MD	Method Duplicate		951954-1	Total		09/11/95	1857
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Silver (Ag)	0.01	0.00135		0.00569			0.00434
Aluminum (Al)	0.05	-0.15754		-0.12826			0.02928
Arsenic (As)	0.05	0.00383		-0.00369			0.00752
Barium (Ba)	0.01	0.01661		0.01862			0.00201
Beryllium (Be)	0.005	0.00080		0.00056			0.00024
Cadmium (Cd)	0.005	0.05012		0.04932		2	
Cobalt (Co)	0.03	0.00042		0.00236			0.00194
Chromium (Cr)	0.01	0.09345		0.10385		11	
Copper (Cu)	0.01	0.02171		0.02450			0.00279
Nickel (Ni)	0.04	0.00985		0.01073			0.00088
Lead (Pb)	0.05	0.01794		0.01846			0.00052
Antimony (Sb)	0.1	0.00134		-0.00602			0.00736
Selenium (Se)	0.1	-0.00017		0.00659			0.00676
Thallium (Tl)	0.1	0.00744		0.00452			0.00292
Vanadium (V)	0.05	-0.00013		0.00252			0.00265
Zinc (Zn)	0.01	0.01456		0.01666			0.00210

MD	Method Duplicate		951954-1	Total		09/11/95	1913
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Potassium (K)	5	49.51026		48.07852		3	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 200.7
Batch Code.: 1874

Status.: RPT
QC Code.: 2007
Units.: mg/L

Calc Code.:
Equipment Code.: ICPT
Import Code.: ICP02

Analyst .: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950727J				09/11/95	1920
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	9.41264	10.0			94.1
Arsenic (As)	0.05	2.61141	2.5			104.5
Barium (Ba)	0.01	4.82550	5.0			96.5
Beryllium (Be)	0.005	2.52369	2.5			100.9
Cadmium (Cd)	0.005	1.03217	1.0			103.2
Cobalt (Co)	0.03	2.54090	2.5			101.6
Chromium (Cr)	0.01	2.50792	2.5			100.3
Copper (Cu)	0.01	2.50674	2.50			100.3
Nickel (Ni)	0.04	2.55277	2.5			102.1
Lead (Pb)	0.05	1.03962	1.0			104.0
Antimony (Sb)	0.1	2.57467	2.5			103.0
Selenium (Se)	0.1	2.62114	2.5			104.8
Thallium (Tl)	0.1	1.04942	1.0			104.9
Vanadium (V)	0.05	2.41771	2.5			96.7
Zinc (Zn)	0.01	2.53911	2.5			101.6

CCV	Continuing Calibration Verification	950605D				09/11/95	1926
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	2.59886	2.500			104.0
Potassium (K)	5	92.79614	100.0			92.8

CCB	Continuing Calibration Blank					09/11/95	1945
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	-0.00124			
Aluminum (Al)	0.05	0.00535			
Arsenic (As)	0.05	-0.00210			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 200.7
Batch Code.: 1874

Status.: RPT
QC Code.: 2007
Units.: mg/L

Calc Code.:
Equipment Code.: ICPT
Import Code.: ICP02

Analyst .: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					09/11/95	1945
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Barium (Ba)	0.01	0.00010			
Beryllium (Be)	0.005	0.00003			
Cadmium (Cd)	0.005	-0.00017			
Cobalt (Co)	0.03	0.00042			
Chromium (Cr)	0.01	-0.00085			
Copper (Cu)	0.01	-0.00144			
Potassium (K)	5	-0.01574			
Nickel (Ni)	0.04	0.00026			
Lead (Pb)	0.05	0.00004			
Antimony (Sb)	0.1	0.00485			
Selenium (Se)	0.1	0.00157			
Thallium (Tl)	0.1	0.00985			
Vanadium (V)	0.05	-0.00174			
Zinc (Zn)	0.01	0.00014			

MS	Matrix Spike	950821D	951953-1	Total		09/11/95	2036
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	0.86657	1.000	-0.09762		96.4
Aluminum (Al)	0.05	1.71929	2.0000	0.08524		81.7
Arsenic (As)	0.05	1.16720	1.000	0.13386		103.3
Barium (Ba)	0.01	1.00887	1.000	0.01702		99.2
Beryllium (Be)	0.005	1.04618	1.000	0.00184		104.4
Cadmium (Cd)	0.005	0.91213	1.000	0.01135		90.1
Cobalt (Co)	0.03	0.92495	1.000	-0.03363		95.9
Chromium (Cr)	0.01	0.94910	1.000	-0.01247		96.2
Copper (Cu)	0.01	1.03122	1.000	0.01032		102.1
Nickel (Ni)	0.04	0.92209	1.000	0.00486		91.7
Lead (Pb)	0.05	0.81092	1.000	-0.02583		83.7
Antimony (Sb)	0.1	0.94056	1.00	0.01639		92.4



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 200.7
Batch Code.: 1874

Status.: RPT
QC Code.: 2007
Units.: mg/L

Calc Code.:
Equipment Code.: ICP
Import Code.: ICP02

Analyst : gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	950821D	951953-1	Total		09/11/95	2036
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Selenium (Se)	0.1	1.03967	1.000	0.07277		96.7
Thallium (Tl)	0.1	0.95254	1.000	0.09268		86.0
Vanadium (V)	0.05	1.19116	1.000	0.13248		105.9
Zinc (Zn)	0.01	0.93735	1.000	-0.00052		93.8

PDS	Post Digestion Spike	950821D	951953-1	Total		09/11/95	2054
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	0.96966	1.000	-0.00795		97.8
Aluminum (Al)	0.05	1.75756	2.0000	-0.32617		104.2
Arsenic (As)	0.05	1.04511	1.000	0.00642		103.9
Barium (Ba)	0.01	0.96775	1.000	0.00162		96.6
Beryllium (Be)	0.005	1.01825	1.000	0.00333		101.5
Cadmium (Cd)	0.005	0.94136	1.000	0.00128		94.0
Cobalt (Co)	0.03	0.93380	1.000	0.00002		93.4
Chromium (Cr)	0.01	0.93885	1.000	0.00335		93.5
Copper (Cu)	0.01	0.98886	1.000	0.00057		98.8
Nickel (Ni)	0.04	0.91975	1.000	0.00476		91.5
Lead (Pb)	0.05	0.89409	1.000	0.00118		89.3
Antimony (Sb)	0.1	0.98950	1.00	-0.00255		99.2
Selenium (Se)	0.1	1.07238	1.000	-0.00108		107.3
Thallium (Tl)	0.1	0.93099	1.000	0.00921		92.2
Vanadium (V)	0.05	0.97314	1.000	0.00314		97.0
Zinc (Zn)	0.01	0.94750	1.000	0.00122		94.6



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 200.7
Batch Code.: 1874

Status.: RPT
QC Code.: 2007
Units.: mg/L

Calc Code.:
Equipment Code.: ICPT
Import Code.: ICP02

Analyst : gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	0906				09/11/95	2127
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	-0.00264			
Aluminum (Al)	0.05	0.00001			
Arsenic (As)	0.05	-0.00471			
Barium (Ba)	0.01	-0.00015			
Beryllium (Be)	0.005	0.00015			
Cadmium (Cd)	0.005	-0.00024			
Cobalt (Co)	0.03	-0.00100			
Chromium (Cr)	0.01	-0.00087			
Copper (Cu)	0.01	0.00065			
Potassium (K)	5	-0.01067			
Nickel (Ni)	0.04	-0.00138			
Lead (Pb)	0.05	-0.00076			
Antimony (Sb)	0.1	0.00243			
Selenium (Se)	0.1	0.00115			
Thallium (Tl)	0.1	-0.00755			
Vanadium (V)	0.05	-0.00068			
Zinc (Zn)	0.01	0.00089			

LCS	Laboratory Control Sample	950825A				09/11/95	2133
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	1.15048	1.00			115.0
Aluminum (Al)	0.05	0.95175	1.00			95.2
Arsenic (As)	0.05	1.02345	1.00			102.3
Barium (Ba)	0.01	1.00610	1.00			100.6
Beryllium (Be)	0.005	1.02145	1.00			102.1
Cadmium (Cd)	0.005	0.97121	1.00			97.1
Cobalt (Co)	0.03	0.98363	1.00			98.4
Chromium (Cr)	0.01	0.98742	1.00			98.7
Copper (Cu)	0.01	1.03371	1.00			103.4



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
 Method Code.....: 200.7
 Batch Code.....: 1874

Status.....: RPT
 QC Code.....: 2007
 Units.....: mg/L

Calc Code.....:
 Equipment Code...: ICPT
 Import Code.....: ICP02

Analyst: gag
 Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	950825A				09/11/95	2133
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Nickel (Ni)	0.04	0.98152	1.00			98.2
Lead (Pb)	0.05	0.97487	1.00			97.5
Antimony (Sb)	0.1	1.01639	1.00			101.6
Selenium (Se)	0.1	0.96236	1.00			96.2
Thallium (Tl)	0.1	0.96185	1.00			96.2
Vanadium (V)	0.05	0.97356	1.00			97.4
Zinc (Zn)	0.01	0.99793	1.00			99.8

LCS	Laboratory Control Sample	950426E				09/11/95	2147
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	88.02568	100			88.0

LCD	Laboratory Control Sample Duplicate	950825A				09/11/95	2152
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	RPD
Silver (Ag)	0.01	1.16482	1.00		1.15048	116.5	1.2
Aluminum (Al)	0.05	0.94157	1.00		0.95175	94.2	1.1
Arsenic (As)	0.05	1.02089	1.00		1.02345	102.1	0.3
Barium (Ba)	0.01	1.01759	1.00		1.00610	101.8	1.1
Beryllium (Be)	0.005	1.03025	1.00		1.02145	103.0	0.9
Cadmium (Cd)	0.005	0.98020	1.00		0.97121	98.0	0.9
Cobalt (Co)	0.03	0.99405	1.00		0.98363	99.4	1.1
Chromium (Cr)	0.01	1.00007	1.00		0.98742	100.0	1.3
Copper (Cu)	0.01	1.04512	1.00		1.03371	104.5	1.1
Nickel (Ni)	0.04	0.99585	1.00		0.98152	99.6	1.4
Lead (Pb)	0.05	0.97950	1.00		0.97487	98.0	0.5
Antimony (Sb)	0.1	1.02595	1.00		1.01639	102.6	0.9



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 200.7
Batch Code.....: 1874

Status.....: RPT
QC Code.....: 2007
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCD	Laboratory Control Sample Duplicate	950825A				09/11/95	2152
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	RPD
Selenium (Se)	0.1	0.98445	1.00		0.96236	98.4	2.3
Thallium (Tl)	0.1	0.97957	1.00		0.96185	98.0	1.8
Vanadium (V)	0.05	0.98872	1.00		0.97356	98.9	1.5
Zinc (Zn)	0.01	1.00895	1.00		0.99793	100.9	1.1

LCD	Laboratory Control Sample Duplicate	950426E				09/11/95	2155
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	RPD
Potassium (K)	5	90.58982	100		88.02568	90.6	2.9

CCV	Continuing Calibration Verification	950727J				09/11/95	2158
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	9.51363	10.0			95.1
Arsenic (As)	0.05	2.60664	2.5			104.3
Barium (Ba)	0.01	5.11417	5.0			102.3
Beryllium (Be)	0.005	2.55306	2.5			102.1
Cadmium (Cd)	0.005	0.98871	1.0			98.9
Cobalt (Co)	0.03	2.48242	2.5			99.3
Chromium (Cr)	0.01	2.45592	2.5			98.2
Copper (Cu)	0.01	2.61888	2.50			104.8
Nickel (Ni)	0.04	2.49670	2.5			99.9
Lead (Pb)	0.05	0.99018	1.0			99.0
Antimony (Sb)	0.1	2.62228	2.5			104.9
Selenium (Se)	0.1	2.61402	2.5			104.6
Thallium (Tl)	0.1	0.99692	1.0			99.7
Vanadium (V)	0.05	2.45473	2.5			98.2
Zinc (Zn)	0.01	2.52769	2.5			101.1



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
 Method Code.....: 200.7
 Batch Code.....: 1874 -

Status.....: RPT
 QC Code.....: 2007
 Units.....: mg/L

Calc Code.....:
 Equipment Code...: ICPT
 Import Code.....: ICP02

Analyst: gag
 Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950605D				09/11/95	2212
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	2.55338	2.500			102.1
Potassium (K)	5	96.57436	100.0			96.6

CCB	Continuing Calibration Blank					09/11/95	2228
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	0.00263			
Aluminum (Al)	0.05	0.00982			
Arsenic (As)	0.05	-0.00000			
Barium (Ba)	0.01	-0.00010			
Beryllium (Be)	0.005	-0.00012			
Cadmium (Cd)	0.005	-0.00021			
Cobalt (Co)	0.03	0.00102			
Chromium (Cr)	0.01	0.00094			
Copper (Cu)	0.01	-0.00147			
Potassium (K)	5	-0.01565			
Nickel (Ni)	0.04	0.00194			
Lead (Pb)	0.05	-0.00035			
Antimony (Sb)	0.1	0.00457			
Selenium (Se)	0.1	0.00421			
Thallium (Tl)	0.1	0.00039			
Vanadium (V)	0.05	0.00173			
Zinc (Zn)	0.01	0.00027			

MD	Method Duplicate		954147-1	Total		09/11/95	2241
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Silver (Ag)	0.01	-0.00000		-0.00027			0.00027



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.....: 200.7

Batch Code.....: 1874

Status.....: RPT

QC Code.....: 2007

Units.....: mg/L

Calc Code.....:

Equipment Code...: ICPT

Import Code.....: ICP02

Analyst: gag

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954147-1	Total		09/11/95	2241
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Aluminum (Al)	0.05	0.01975		0.00247			0.01728
Arsenic (As)	0.05	-0.00110		-0.00023			0.00087
Barium (Ba)	0.01	0.00040		0.00020			0.00020
Beryllium (Be)	0.005	0.00016		0.00004			0.00012
Cadmium (Cd)	0.005	0.00040		0.00012			0.00028
Cobalt (Co)	0.03	0.00040		0.00061			0.00021
Chromium (Cr)	0.01	0.00268		0.00054			0.00214
Copper (Cu)	0.01	0.00220		0.00079			0.00141
Potassium (K)	5	0.00044		-0.02001			0.02045
Nickel (Ni)	0.04	0.00251		0.00199			0.00052
Lead (Pb)	0.05	0.00163		0.00019			0.00144
Antimony (Sb)	0.1	0.00166		0.00891			0.00725
Selenium (Se)	0.1	-0.00020		0.00252			0.00272
Thallium (Tl)	0.1	0.00720		-0.00100			0.00820
Vanadium (V)	0.05	0.00087		0.00130			0.00043
Zinc (Zn)	0.01	0.01407		0.01351			0.00056

MS	Matrix Spike	950821D	954187-1	Total		09/11/95	2247
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	0.97929	1.000	-0.00062		98.0
Aluminum (Al)	0.05	2.56676	2.0000	0.36918		109.9
Arsenic (As)	0.05	1.01110	1.000	0.00821		100.3
Barium (Ba)	0.01	1.18534	1.000	0.14736		103.8
Beryllium (Be)	0.005	1.00987	1.000	0.00021		101.0
Cadmium (Cd)	0.005	0.91521	1.000	-0.00004		91.5
Cobalt (Co)	0.03	0.92569	1.000	-0.00022		92.6
Chromium (Cr)	0.01	0.94574	1.000	0.00293		94.3
Copper (Cu)	0.01	1.11582	1.000	0.02113		109.5
Potassium (K)	5	69.40084	50.000	14.55390		109.7



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 200.7
Batch Code.....: 1874

Status.....: RPT
QC Code.....: 2007
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	950821D	954187-1	Total		09/11/95	2247
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Nickel (Ni)	0.04	0.90064	1.000	0.00725		89.3
Lead (Pb)	0.05	0.90752	1.000	0.00139		90.6
Antimony (Sb)	0.1	1.03952	1.00	0.01137		102.8
Selenium (Se)	0.1	0.96157	1.000	-0.00089		96.2
Thallium (Tl)	0.1	0.93781	1.000	0.00751		93.0
Vanadium (V)	0.05	1.00989	1.000	0.02395		98.6
Zinc (Zn)	0.01	1.01806	1.000	0.06421		95.4

MB	Method Blank	0901				09/11/95	2314
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	0.00091			
Aluminum (Al)	0.05	0.01973			
Arsenic (As)	0.05	0.00192			
Barium (Ba)	0.01	-0.00010			
Beryllium (Be)	0.005	0.00004			
Cadmium (Cd)	0.005	0.00022			
Cobalt (Co)	0.03	0.00122			
Chromium (Cr)	0.01	-0.00013			
Copper (Cu)	0.01	0.00085			
Potassium (K)	5	0.01403			
Nickel (Ni)	0.04	-0.00020			
Lead (Pb)	0.05	-0.00166			
Antimony (Sb)	0.1	0.00399			
Selenium (Se)	0.1	0.00125			
Thallium (Tl)	0.1	0.00069			
Vanadium (V)	0.05	0.00086			
Zinc (Zn)	0.01	-0.00028			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 200.7
Batch Code.: 1874 -

Status.: RPT
QC Code.: 2007
Units.: mg/L

Calc Code.:
Equipment Code.: ICPT
Import Code.: ICP02

Analyst .: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	950825A				09/11/95	2325
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	1.01095	1.00			101.1
Aluminum (Al)	0.05	0.95456	1.00			95.5
Arsenic (As)	0.05	1.05223	1.00			105.2
Barium (Ba)	0.01	1.02754	1.00			102.8
Beryllium (Be)	0.005	1.03821	1.00			103.8
Cadmium (Cd)	0.005	1.00457	1.00			100.5
Cobalt (Co)	0.03	1.00617	1.00			100.6
Chromium (Cr)	0.01	1.00165	1.00			100.2
Copper (Cu)	0.01	1.00293	1.00			100.3
Nickel (Ni)	0.04	1.01312	1.00			101.3
Lead (Pb)	0.05	0.99898	1.00			99.9
Antimony (Sb)	0.1	1.03653	1.00			103.7
Selenium (Se)	0.1	1.06974	1.00			107.0
Thallium (Tl)	0.1	0.97988	1.00			98.0
Vanadium (V)	0.05	0.99634	1.00			99.6
Zinc (Zn)	0.01	1.03639	1.00			103.6

LCS	Laboratory Control Sample	950825A				09/11/95	2326
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	1.00981	1.00			101.0
Aluminum (Al)	0.05	0.92498	1.00			92.5
Arsenic (As)	0.05	1.05006	1.00			105.0
Barium (Ba)	0.01	1.02631	1.00			102.6
Beryllium (Be)	0.005	1.03955	1.00			104.0
Cadmium (Cd)	0.005	1.00888	1.00			100.9
Cobalt (Co)	0.03	1.00679	1.00			100.7
Chromium (Cr)	0.01	1.00138	1.00			100.1
Copper (Cu)	0.01	1.00067	1.00			100.1
Nickel (Ni)	0.04	1.01012	1.00			101.0



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 200.7
Batch Code.....: 1874

Status.....: RPT
QC Code.....: 2007
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	950825A				09/11/95	2326
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Lead (Pb)	0.05	1.00402	1.00			100.4
Antimony (Sb)	0.1	1.06211	1.00			106.2
Selenium (Se)	0.1	1.06258	1.00			106.3
Thallium (Tl)	0.1	0.98217	1.00			98.2
Vanadium (V)	0.05	0.99462	1.00			99.5
Zinc (Zn)	0.01	1.03965	1.00			104.0

LCS	Laboratory Control Sample	950426E				09/11/95	2329
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	108.40396	100			108.4

CCV	Continuing Calibration Verification	950727J				09/11/95	2334
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	9.43826	10.0			94.4
Arsenic (As)	0.05	2.58012	2.5			103.2
Barium (Ba)	0.01	5.09017	5.0			101.8
Beryllium (Be)	0.005	2.53066	2.5			101.2
Cadmium (Cd)	0.005	0.97309	1.0			97.3
Cobalt (Co)	0.03	2.44787	2.5			97.9
Chromium (Cr)	0.01	2.42404	2.5			97.0
Copper (Cu)	0.01	2.60186	2.50			104.1
Nickel (Ni)	0.04	2.47255	2.5			98.9
Lead (Pb)	0.05	0.97302	1.0			97.3
Antimony (Sb)	0.1	2.58658	2.5			103.5
Selenium (Se)	0.1	2.57445	2.5			103.0
Thallium (Tl)	0.1	0.98410	1.0			98.4



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
 Method Code.....: 200.7
 Batch Code.....: 1874

Status.....: RPT
 QC Code.....: 2007
 Units.....: mg/L

Calc Code.....:
 Equipment Code...: ICPT
 Import Code.....: ICP02

Analyst: gag
 Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950727J				09/11/95	2334
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Vanadium (V)	0.05	2.42981	2.5			97.2
Zinc (Zn)	0.01	2.49983	2.5			100.0

CCV	Continuing Calibration Verification	950605D				09/11/95	2337
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	2.52466	2.500			101.0
Potassium (K)	5	95.19312	100.0			95.2

CCB	Continuing Calibration Blank					09/11/95	2339
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	-0.00317			
Aluminum (Al)	0.05	0.00493			
Arsenic (As)	0.05	0.00181			
Barium (Ba)	0.01	-0.00020			
Beryllium (Be)	0.005	0.00004			
Cadmium (Cd)	0.005	-0.00009			
Cobalt (Co)	0.03	-0.00081			
Chromium (Cr)	0.01	-0.00147			
Copper (Cu)	0.01	-0.00177			
Potassium (K)	5	0.00875			
Nickel (Ni)	0.04	0.00068			
Lead (Pb)	0.05	-0.00092			
Antimony (Sb)	0.1	0.00041			
Selenium (Se)	0.1	-0.00252			
Thallium (Tl)	0.1	0.00568			
Vanadium (V)	0.05	-0.00086			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 200.7
Batch Code.....: 1874

Status.....: RPT
QC Code.....: 2007
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					09/11/95	2339
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Zinc (Zn)	0.01	-0.00028			

LCS	Laboratory Control Sample	950426E				09/11/95	2345
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	106.48043	100			106.5

CCV	Continuing Calibration Verification	950727J				09/12/95	0059
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	9.71046	10.0			97.1
Arsenic (As)	0.05	2.55687	2.5			102.3
Barium (Ba)	0.01	4.95170	5.0			99.0
Beryllium (Be)	0.005	2.58711	2.5			103.5
Cadmium (Cd)	0.005	0.99886	1.0			99.9
Cobalt (Co)	0.03	2.59346	2.5			103.7
Chromium (Cr)	0.01	2.54808	2.5			101.9
Copper (Cu)	0.01	2.50976	2.50			100.4
Nickel (Ni)	0.04	2.56052	2.5			102.4
Lead (Pb)	0.05	1.01335	1.0			101.3
Antimony (Sb)	0.1	2.56916	2.5			102.8
Selenium (Se)	0.1	2.58301	2.5			103.3
Thallium (Tl)	0.1	0.97302	1.0			97.3
Vanadium (V)	0.05	2.47108	2.5			98.8
Zinc (Zn)	0.01	2.41088	2.5			96.4



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 200.7
Batch Code.....: 1874

Status.....: RPT
QC Code.....: 2007
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst ...: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950605D				09/12/95	0120
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	2.39607	2.500			95.8
Potassium (K)	5	93.78871	100.0			93.8

CCB	Continuing Calibration Blank					09/12/95	0136
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	-0.00032			
Aluminum (Al)	0.05	0.00902			
Arsenic (As)	0.05	0.00286			
Barium (Ba)	0.01	-0.00023			
Beryllium (Be)	0.005	0.00005			
Cadmium (Cd)	0.005	0.00019			
Cobalt (Co)	0.03	0.00258			
Chromium (Cr)	0.01	-0.00050			
Copper (Cu)	0.01	0.00111			
Potassium (K)	5	0.03646			
Nickel (Ni)	0.04	0.00359			
Lead (Pb)	0.05	0.00340			
Antimony (Sb)	0.1	-0.00007			
Selenium (Se)	0.1	-0.00490			
Thallium (Tl)	0.1	-0.00504			
Vanadium (V)	0.05	-0.00000			
Zinc (Zn)	0.01	0.00081			

MS	Matrix Spike	950821D	954183-2	Total		09/12/95	0144
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	0.96008	1.000	-0.00216		96.2



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 200.7
Batch Code.: 1874

Status.: RPT
QC Code.: 2007
Units.: mg/L

Calc Code.:
Equipment Code.: ICPT
Import Code.: ICP02

Analyst : gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MS	Matrix Spike	950821D	954183-2	Total		09/12/95	0144
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	3.49153	2.0000	1.12956		118.1
Arsenic (As)	0.05	1.09024	1.000	-0.00344		109.4
Barium (Ba)	0.01	1.09610	1.000	0.03498		106.1
Beryllium (Be)	0.005	1.11630	1.000	0.00059		111.6
Cadmium (Cd)	0.005	0.98883	1.000	-0.00038		98.9
Cobalt (Co)	0.03	1.02603	1.000	0.00099		102.5
Chromium (Cr)	0.01	1.05158	1.000	0.00143		105.0
Copper (Cu)	0.01	1.06920	1.000	0.00075		106.8
Potassium (K)	5	63.11543	50.000	2.43146		121.4
Nickel (Ni)	0.04	0.97961	1.000	0.00741		97.2
Lead (Pb)	0.05	0.97894	1.000	0.00095		97.8
Antimony (Sb)	0.1	1.09183	1.00	-0.00011		109.2
Selenium (Se)	0.1	1.02374	1.000	0.01347		101.0
Thallium (Tl)	0.1	0.94195	1.000	-0.03165		97.4
Vanadium (V)	0.05	1.09542	1.000	0.00106		109.4
Zinc (Zn)	0.01	0.98773	1.000	0.02226		96.5

MD	Method Duplicate		954188-1	Total		09/12/95	0152
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Silver (Ag)	0.01	-0.00364		-0.00462			0.00098
Aluminum (Al)	0.05	0.05284		0.04612			0.00672
Arsenic (As)	0.05	-0.00181		0.00195			0.00376
Barium (Ba)	0.01	0.00675		0.00617			0.00058
Beryllium (Be)	0.005	0.00023		0.00023			0.00000
Cadmium (Cd)	0.005	-0.00005		0.00034			0.00039
Cobalt (Co)	0.03	0.00142		-0.00037			0.00179
Chromium (Cr)	0.01	-0.00083		-0.00217			0.00134
Copper (Cu)	0.01	0.00527		0.00311			0.00216
Potassium (K)	5	0.05183		-0.00663			0.05846



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
 Method Code.....: 200.7
 Batch Code.....: 1874

Status.....: RPT
 QC Code.....: 2007
 Units.....: mg/L

Calc Code.....:
 Equipment Code...: ICPT
 Import Code.....: ICP02

Analyst: gag
 Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954188-1	Total		09/12/95	0152
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Nickel (Ni)	0.04	0.00606		0.00244			0.00362
Lead (Pb)	0.05	0.00508		0.00515			0.00007
Antimony (Sb)	0.1	-0.00023		0.00647			0.00670
Selenium (Se)	0.1	0.00408		0.00063			0.00345
Thallium (Tl)	0.1	-0.00201		-0.00195			0.00006
Vanadium (V)	0.05	0.00102		-0.00002			0.00104
Zinc (Zn)	0.01	0.01637		0.01321			0.00316

ISA	Interference Check Sample A	950612I				09/12/95	0200
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	492.04455	500			98.4

ISB	Interference Check Sample B	950816E				09/12/95	0207
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	0.96843	1.000			96.8
Aluminum (Al)	0.05	478.74023	500			95.7
Arsenic (As)	0.05	1.11548	1.000			111.5
Barium (Ba)	0.01	0.56174	0.5000			112.3
Beryllium (Be)	0.005	0.53077	0.5000			106.2
Cadmium (Cd)	0.005	1.03784	1.000			103.8
Cobalt (Co)	0.03	0.53213	0.5000			106.4
Chromium (Cr)	0.01	0.54159	0.5000			108.3
Copper (Cu)	0.01	0.53051	0.5000			106.1
Potassium (K)	5	8.88520	10.000			88.9
Nickel (Ni)	0.04	1.02241	1.000			102.2
Lead (Pb)	0.05	1.00561	1.000			100.6



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 200.7
Batch Code.....: 1874

Status.....: RPT
QC Code.....: 2007
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ISB	Interference Check Sample B	950816E				09/12/95	0207
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Antimony (Sb)	0.1	1.05479	1.000			105.5
Selenium (Se)	0.1	1.12247	1.000			112.2
Thallium (Tl)	0.1	1.02086	1.000			102.1
Vanadium (V)	0.05	0.54918	0.5000			109.8
Zinc (Zn)	0.01	1.03113	1.000			103.1

CCV	Continuing Calibration Verification	950727J				09/12/95	0214
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	9.66613	10.0			96.7
Arsenic (As)	0.05	2.61025	2.5			104.4
Barium (Ba)	0.01	5.07508	5.0			101.5
Beryllium (Be)	0.005	2.54217	2.5			101.7
Cadmium (Cd)	0.005	0.97734	1.0			97.7
Cobalt (Co)	0.03	2.44365	2.5			97.7
Chromium (Cr)	0.01	2.40156	2.5			96.1
Copper (Cu)	0.01	2.58883	2.50			103.6
Nickel (Ni)	0.04	2.52121	2.5			100.8
Lead (Pb)	0.05	0.96167	1.0			96.2
Antimony (Sb)	0.1	2.60002	2.5			104.0
Selenium (Se)	0.1	2.60616	2.5			104.2
Thallium (Tl)	0.1	0.99049	1.0			99.0
Vanadium (V)	0.05	2.45248	2.5			98.1
Zinc (Zn)	0.01	2.49063	2.5			99.6



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.....: 200.7

Batch Code.....: 1874

Status.....: RPT

QC Code.....: 2007

Units.....: mg/L

Calc Code.....:

Equipment Code...: ICPT

Import Code.....: ICP02

Analyst: gag

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	950605D				09/12/95	0226
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	2.48927	2.500			99.6
Potassium (K)	5	91.58383	100.0			91.6

CCB	Continuing Calibration Blank					09/12/95	0242
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	0.00105			
Aluminum (Al)	0.05	-0.01351			
Arsenic (As)	0.05	-0.00361			
Barium (Ba)	0.01	-0.00022			
Beryllium (Be)	0.005	-0.00005			
Cadmium (Cd)	0.005	0.00038			
Cobalt (Co)	0.03	-0.00309			
Chromium (Cr)	0.01	-0.00014			
Copper (Cu)	0.01	0.00179			
Potassium (K)	5	0.00408			
Nickel (Ni)	0.04	-0.00213			
Lead (Pb)	0.05	-0.00256			
Antimony (Sb)	0.1	0.00490			
Selenium (Se)	0.1	0.00488			
Thallium (Tl)	0.1	-0.00763			
Vanadium (V)	0.05	-0.00144			
Zinc (Zn)	0.01	0.00048			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1951

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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ICV	Initial Calibration Verification	950426E				09/11/95	1752
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.97279	1.00			97.3

ICB	Initial Calibration Blank					09/11/95	1805
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00482			

ISB	Interference Check Sample B	950816E				09/11/95	1825
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	1.00497	1.000			100.5

MB	Method Blank	0911				09/11/95	1844
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00481			

LCS	Laboratory Control Sample	950426E				09/11/95	1852
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.98153	1.00			98.2



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1951

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICPT
Import Code.: ICP02

Analyst : gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		951954-1	Total		09/11/95	1857
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Tin (Sn)	0.05	0.00923		0.01088			0.00165

CCV	Continuing Calibration Verification	950727J				09/11/95	1920
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.72925	2.5			109.2

CCB	Continuing Calibration Blank					09/11/95	1945
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00035			

MS	Matrix Spike	950821D	951953-1	Total		09/11/95	2036
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.82551	1.00	-0.07793		90.3

PDS	Post Digestion Spike	950821D	951953-1	Total		09/11/95	2054
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.92760	1.00	0.00630		92.1



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.: 6010
Batch Code.: 1951

Status.: RPT
QC Code.: MET
Units.: mg/L

Calc Code.:
Equipment Code.: ICPT
Import Code.: ICP02

Analyst .: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	0906				09/11/95	2127
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00436			

LCS	Laboratory Control Sample	950426E				09/11/95	2147
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.94924	1.00			94.9

LCS	Laboratory Control Sample	950426E				09/11/95	2155
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.95675	1.00			95.7

CCV	Continuing Calibration Verification	950727J				09/11/95	2158
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.61416	2.5			104.6

CCB	Continuing Calibration Blank					09/11/95	2228
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00444			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)

Method Code.: 6010

Batch Code.: 1951

Status.: RPT

QC Code.: MET

Units.: mg/L

Calc Code.:

Equipment Code.: ICPT

Import Code.: ICP02

Analyst : gag

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954147-1	Total		09/11/95	2241
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Tin (Sn)	0.05	0.00049		-0.00065			0.00114

MS	Matrix Spike	950821D	954187-1	Total		09/11/95	2247
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	
Tin (Sn)	0.05	0.97921	1.00	0.00110		97.8	

MB	Method Blank	0901				09/11/95	2314
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value		
Tin (Sn)	0.05	0.00182					

LCS	Laboratory Control Sample	950426E				09/11/95	2329
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	
Tin (Sn)	0.05	0.92640	1.00			92.6	

CCV	Continuing Calibration Verification	950727J				09/11/95	2334
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	
Tin (Sn)	0.05	2.58094	2.5			103.2	



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1951

Status.....: RPT
QC Code.....: MET
Units.....: mg/L

Calc Code.....:
Equipment Code...: ICPT
Import Code.....: ICP02

Analyst: gag
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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CCB	Continuing Calibration Blank					09/11/95	2339
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00331			

LCS	Laboratory Control Sample	950426E				09/11/95	2345
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	1.00049	1.00			100.0

MS	Matrix Spike	950821D	954183-2	Total		09/12/95	0042
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.83576	1.00	0.01053		82.5

CCV	Continuing Calibration Verification	950727J				09/12/95	0059
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.31461	2.5			92.6

CCB	Continuing Calibration Blank					09/12/95	0136
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00265			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Metals Analysis (ICAP)
 Method Code.....: 6010
 Batch Code.....: 1951

Status.....: RPT
 QC Code.....: MET
 Units.....: mg/L

Calc Code.....:
 Equipment Code...: ICPT
 Import Code.....: ICP02

Analyst: gag
 Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MD	Method Duplicate		954188-1	Total		09/12/95	0152
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Tin (Sn)	0.05	-0.00010		0.00007			0.00017

ISB	Interference Check Sample B	950816E				09/12/95	0207
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.93002	1.000			93.0

CCV	Continuing Calibration Verification	950727J				09/12/95	0214
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.44744	2.5			97.9

CCB	Continuing Calibration Blank					09/12/95	0242
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00116			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)

Method Code.: 8270C

Batch Code.: 1962

Status.: RPT

QC Code.: 8000

Units.: ug/L

Calc Code.:

Equipment Code.:

Import Code.:

Analyst .: mla

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0612				09/09/95	1214
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acenaphthene	10	ND			
Acenaphthylene	10	ND			
Acetophenone	10	ND			
4-Aminobiphenyl	10	ND			
Aniline	10	ND			
Anthracene	10	ND			
Benzidine	50	ND			
Benzo(a)anthracene	10	ND			
Benzo(b)fluoranthene	10	ND			
Benzo(j)fluoranthene	10	ND			
Benzo(k)fluoranthene	10	ND			
Benzo(ghi)perylene	10	ND			
Benzo(a)pyrene	10	ND			
Benzyl alcohol	10	ND			
Butyl benzyl phthalate	10	ND			
Bis(2-chloroethoxy)methane	10	ND			
Bis(2-chloroethyl)ether	10	ND			
Bis(2-chloroisopropyl)ether	10	ND			
Bis(2-ethylhexyl)phthalate	10	ND			
4-Bromophenyl phenyl ether	10	ND			
4-Chloroaniline	10	ND			
Chlorobenzilate	10	ND			
1-Chloronaphthalene	10	ND			
2-Chloronaphthalene	10	ND			
4-Chlorophenyl phenyl ether	10	ND			
Chrysene	10	ND			
Diallate	10	ND			
Dibenzo(a,h)anthracene	10	ND			
Dibenzofuran	10	ND			
1,2-Dichlorobenzene	10	ND			
1,3-Dichlorobenzene	10	ND			
1,4-Dichlorobenzene	10	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)

Method Code.....: 8270C

Batch Code.....: 1962

Status.....: RPT

QC Code.....: 8000

Units.....: ug/L

Calc Code.....:

Equipment Code...:

Import Code.....:

Analyst: mla

Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0612				09/09/95	1214
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
3,3-Dichlorobenzidine	20	ND			
Diethyl phthalate	10	ND			
p-Dimethylaminoazobenzene	10	ND			
Dimethoate	20	ND			
7,12-Dimethylbenz(a)anthracene	10	ND			
alpha, alpha-Dimethylphenethylamine	10	ND			
Dimethyl phthalate	10	ND			
Di-n-butyl phthalate	10	ND			
Di-n-octyl phthalate	10	ND			
2,4-Dinitrotoluene	10	ND			
2,6-Dinitrotoluene	10	ND			
Dinoseb (DNBP)	20	ND			
Diphenylamine	10	ND			
1,2-Diphenylhydrazine	10	ND			
Disulfoton	10	ND			
Ethyl methane sulfonate	20	ND			
Fluoranthene	10	ND			
Fluorene	10	ND			
Hexachlorobenzene	10	ND			
Hexachlorobutadiene	10	ND			
Hexachlorocyclopentadiene	10	ND			
Hexachloroethane	10	ND			
Hexachloropropene	10	ND			
Indeno(1,2,3-cd)pyrene	10	ND			
Isodrin	10	ND			
Isophorone	10	ND			
Isosafrole	10	ND			
Methapyrilene	10	ND			
3-Methylcholanthrene	10	ND			
Methyl methane sulfonate	10	ND			
2-Methylnaphthalene	10	ND			
Naphthalene	10	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1962

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: mla
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0612				09/09/95	1214
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
1,4-Naphthoquinone	10	ND			
1-Naphthylamine	10	ND			
2-Naphthylamine	10	ND			
o-Nitroaniline	50	ND			
m-Nitroaniline	50	ND			
p-Nitroaniline	50	ND			
Nitrobenzene	10	ND			
4-Nitroquinoline-1-oxide	10	ND			
n-Nitrosodi-n-butylamine	10	ND			
n-Nitrosodiethylamine	10	ND			
n-Nitrosodimethylamine	10	ND			
n-Nitrosomethylethylamine	10	ND			
n-Nitrosomorpholine	10	ND			
n-Nitrosodi-n-propylamine	10	ND			
n-Nitrosodiphenylamine	10	ND			
n-Nitrosopiperidine	10	ND			
n-Nitrosopyrrolidine	10	ND			
5-Nitro-o-toluidine	10	ND			
Ethyl parathion	10	ND			
Pentachlorobenzene	10	ND			
Pentachloronitrobenzene	10	ND			
Phenacetin	10	ND			
Phenanthrene	10	ND			
p-Phenylenediamine	10	ND			
Phorate	10	ND			
2-Picoline	10	ND			
Pronamide	10	ND			
Pyrene	10	ND			
Pyridine	10	ND			
Safrole	10	ND			
1,2,4,5-Tetrachlorobenzene	10	ND			
o-Toluidine	10	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT
Report Date: 09/20/95Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1962Status.: RPT
QC Code.: 8000
Units.: ug/LCalc Code.:
Equipment Code.:
Import Code.:Analyst .: mla
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0612				09/09/95	1214
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
1,2,4-Trichlorobenzene	10	ND			
0,0,0-Triethyl phosphorothioate	10	ND			
1,3,5-Trinitrobenzene	10	ND			
Benzoic acid	50	ND			
4-Chloro-3-methylphenol	10	ND			
2-Chlorophenol	10	ND			
2,4-Dichlorophenol	10	ND			
2,6-Dichlorophenol	10	ND			
2,4-Dimethylphenol	10	ND			
2,4-Dinitrophenol	50	ND			
2-Methyl-4,6-dinitrophenol	50	ND			
2-Methylphenol (o-cresol)	10	ND			
3 & 4 Methylphenol (m&p cresol)	10	ND			
2-Nitrophenol	10	ND			
4-Nitrophenol	50	ND			
Pentachlorophenol	50	ND			
Phenol	10	ND			
2,3,4,6-Tetrachlorophenol	10	ND			
2,4,5-Trichlorophenol	10	ND			
2,4,6-Trichlorophenol	10	ND			

MB	Method Blank	MB0620				09/09/95	1857
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acenaphthene	10	ND			
Acenaphthylene	10	ND			
Acetophenone	10	ND			
4-Aminobiphenyl	10	ND			
Aniline	10	ND			
Anthracene	10	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.....: 8270C
Batch Code.....: 1962

Status.....: RPT
QC Code.....: 8000
Units.....: ug/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst ...: mla
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0620				09/09/95	1857
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Benzidine	50	ND			
Benzo(a)anthracene	10	ND			
Benzo(b)fluoranthene	10	ND			
Benzo(j)fluoranthene	10	ND			
Benzo(k)fluoranthene	10	ND			
Benzo(ghi)perylene	10	ND			
Benzo(a)pyrene	10	ND			
Benzyl alcohol	10	ND			
Butyl benzyl phthalate	10	ND			
Bis(2-chloroethoxy)methane	10	ND			
Bis(2-chloroethyl)ether	10	ND			
Bis(2-chloroisopropyl)ether	10	ND			
Bis(2-ethylhexyl)phthalate	10	ND			
4-Bromophenyl phenyl ether	10	ND			
4-Chloroaniline	10	ND			
Chlorobenzilate	10	ND			
1-Chloronaphthalene	10	ND			
2-Chloronaphthalene	10	ND			
4-Chlorophenyl phenyl ether	10	ND			
Chrysene	10	ND			
Diallate	10	ND			
Dibenzo(a,h)anthracene	10	ND			
Dibenzofuran	10	ND			
1,2-Dichlorobenzene	10	ND			
1,3-Dichlorobenzene	10	ND			
1,4-Dichlorobenzene	10	ND			
3,3-Dichlorobenzidine	20	ND			
Diethyl phthalate	10	ND			
p-Dimethylaminoazobenzene	10	ND			
Dimethoate	20	ND			
7,12-Dimethylbenz(a)anthracene	10	ND			
alpha, alpha-Dimethylphenethylamine	10	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.....: 8270C
Batch Code.....: 1962

Status.....: RPT
QC Code.....: 8000
Units.....: ug/L

Calc Code.....:
Equipment Code...:
Import Code.....:

Analyst: mla
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0620				09/09/95	1857
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Dimethyl phthalate	10	ND			
Di-n-butyl phthalate	10	ND			
Di-n-octyl phthalate	10	ND			
2,4-Dinitrotoluene	10	ND			
2,6-Dinitrotoluene	10	ND			
Dinoseb (DNBP)	20	ND			
Diphenylamine	10	ND			
1,2-Diphenylhydrazine	10	ND			
Disulfoton	10	ND			
Ethyl methane sulfonate	20	ND			
Fluoranthene	10	ND			
Fluorene	10	ND			
Hexachlorobenzene	10	ND			
Hexachlorobutadiene	10	ND			
Hexachlorocyclopentadiene	10	ND			
Hexachloroethane	10	ND			
Hexachloropropene	10	ND			
Indeno(1,2,3-cd)pyrene	10	ND			
Isodrin	10	ND			
Isophorone	10	ND			
Isosafrole	10	ND			
Methapyrilene	10	ND			
3-Methylcholanthrene	10	ND			
Methyl methane sulfonate	10	ND			
2-Methylnaphthalene	10	ND			
Naphthalene	10	ND			
1,4-Naphthoquinone	10	ND			
1-Naphthylamine	10	ND			
2-Naphthylamine	10	ND			
o-Nitroaniline	50	ND			
m-Nitroaniline	50	ND			
p-Nitroaniline	50	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1962

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: mla
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0620				09/09/95	1857
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Nitrobenzene	10	ND			
4-Nitroquinoline-1-oxide	10	ND			
n-Nitrosodi-n-butylamine	10	ND			
n-Nitrosodiethylamine	10	ND			
n-Nitrosodimethylamine	10	ND			
n-Nitrosomethylethylamine	10	ND			
n-Nitrosomorpholine	10	ND			
n-Nitrosodi-n-propylamine	10	ND			
n-Nitrosodiphenylamine	10	ND			
n-Nitrosopiperidine	10	ND			
n-Nitrosopyrrolidine	10	ND			
5-Nitro-o-toluidine	10	ND			
Ethyl parathion	10	ND			
Pentachlorobenzene	10	ND			
Pentachloronitrobenzene	10	ND			
Phenacetin	10	ND			
Phenanthrene	10	ND			
p-Phenylenediamine	10	ND			
Phorate	10	ND			
2-Picoline	10	ND			
Pronamide	10	ND			
Pyrene	10	ND			
Pyridine	10	ND			
Safrole	10	ND			
1,2,4,5-Tetrachlorobenzene	10	ND			
o-Toluidine	10	ND			
1,2,4-Trichlorobenzene	10	ND			
0,0,0-Triethyl phosphorothioate	10	ND			
1,3,5-Trinitrobenzene	10	ND			
Benzoic acid	50	ND			
4-Chloro-3-methylphenol	10	ND			
2-Chlorophenol	10	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1962

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: mla
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	MB0620				09/09/95	1857
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
2,4-Dichlorophenol	10	ND			
2,6-Dichlorophenol	10	ND			
2,4-Dimethylphenol	10	ND			
2,4-Dinitrophenol	50	ND			
2-Methyl-4,6-dinitrophenol	50	ND			
2-Methylphenol (o-cresol)	10	ND			
3 & 4 Methylphenol (m&p cresol)	10	ND			
2-Nitrophenol	10	ND			
4-Nitrophenol	50	ND			
Pentachlorophenol	50	ND			
Phenol	10	ND			
2,3,4,6-Tetrachlorophenol	10	ND			
2,4,5-Trichlorophenol	10	ND			
2,4,6-Trichlorophenol	10	ND			

MB	Method Blank	MB0612				09/14/95	2104
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Dibenzo(a,j)acridine	10	ND			
Hexachlorophene	100	ND			
Kepone	50	ND			

MB	Method Blank					09/15/95	0024
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Dibenzo(a,j)acridine	10	ND			
Hexachlorophene	100	ND			
Kepone	50	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Pesticide/PCB Analysis (Organochlorine)
Method Code.: 8080
Batch Code.: 1963

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: smc
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
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MB	Method Blank	0614				09/13/95	1731
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Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Aldrin	0.004	ND			
beta-BHC	0.006	ND			
delta-BHC	0.009	ND			
alpha-BHC	0.003	ND			
gamma-BHC (Lindane)	0.004	ND			
Chlordane	0.014	ND			
4,4'-DDD	0.011	ND			
4,4'-DDE	0.004	ND			
4,4'-DDT	0.012	ND			
Dieldrin	0.002	ND			
Endosulfan I	0.014	ND			
Endosulfan II	0.004	ND			
Endosulfan sulfate	0.066	ND			
Endrin	0.006	ND			
Endrin aldehyde	0.023	ND			
Heptachlor	0.003	ND			
Heptachlor epoxide	0.083	ND			
Methoxychlor	0.18	ND			
Toxaphene	0.24	ND			
Aroclor 1016	0.05	ND			
Aroclor 1221	0.05	ND			
Aroclor 1232	0.05	ND			
Aroclor 1242	0.05	ND			
Aroclor 1248	0.05	ND			
Aroclor 1254	0.05	ND			
Aroclor 1260	0.05	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Pesticide/PCB Analysis (Organochlorine)
Method Code.: 8080
Batch Code.: 1963

Status.: RPT
QC Code.: 8000
Units.: ug/L

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: smc
Job Number.: 954178

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0621				09/13/95	1633

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Aldrin	0.004	ND			
beta-BHC	0.006	ND			
delta-BHC	0.009	ND			
alpha-BHC	0.003	ND			
gamma-BHC (Lindane)	0.004	ND			
Chlordane	0.014	ND			
4,4'-DDD	0.011	ND			
4,4'-DDE	0.004	ND			
4,4'-DDT	0.012	ND			
Dieldrin	0.002	ND			
Endosulfan I	0.014	ND			
Endosulfan II	0.004	ND			
Endosulfan sulfate	0.066	ND			
Endrin	0.006	ND			
Endrin aldehyde	0.023	ND			
Heptachlor	0.003	ND			
Heptachlor epoxide	0.083	ND			
Methoxychlor	0.18	ND			
Toxaphene	0.24	ND			
Aroclor 1016	0.05	ND			
Aroclor 1221	0.05	ND			
Aroclor 1232	0.05	ND			
Aroclor 1242	0.05	ND			
Aroclor 1248	0.05	ND			
Aroclor 1254	0.05	ND			
Aroclor 1260	0.05	ND			



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1801

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954178

Surrogate	Test Matrix	Dilution Factor
4-Bromofluorobenzene	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
954178-6	MB	49.0	ug/L	50.1861	98		09/01/95	1909
	RS	49.5	ug/L	50.1861	99		09/01/95	2013
		49.8	ug/L	50.1861	99		09/01/95	2046
		49.7	ug/L	50.1861	99		09/01/95	2118
		49.6	ug/L	50.1861	99		09/01/95	2150
		48.5	ug/L	50.1861	97		09/01/95	2222
		50.16	ug/L	50.1861	100		09/01/95	2253
		49.2	ug/L	50.1861	98		09/01/95	2326
	MST	50.9	ug/L	50.1861	101		09/01/95	2358
	MTD	49.0	ug/L	50.1861	98		09/02/95	0030

Surrogate	Test Matrix	Dilution Factor
Dibromofluoromethane	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
954178-6	MB	50.6	ug/L	50.1095	101		09/01/95	1909
	RS	50.1	ug/L	50.1095	100		09/01/95	2013
		52.0	ug/L	50.1095	104		09/01/95	2046
		52.4	ug/L	50.1095	105		09/01/95	2118
		51.0	ug/L	50.1095	102		09/01/95	2150
		50.8	ug/L	50.1095	101		09/01/95	2222
		51.5	ug/L	50.1095	103		09/01/95	2253
		52.8	ug/L	50.1095	105		09/01/95	2326
	MST	52.5	ug/L	50.1095	105		09/01/95	2358
	MTD	52.8	ug/L	50.1095	105		09/02/95	0030



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1801

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954178

Surrogate	Test Matrix	Dilution Factor
Toluene-d8	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	49.8	ug/L	50.1898	99		09/01/95	1909
	RS	49.4	ug/L	50.1898	98		09/01/95	2013
954178-6		50.0	ug/L	50.1898	100		09/01/95	2046
954178-7		50.5	ug/L	50.1898	101		09/01/95	2118
954178-8		49.9	ug/L	50.1898	99		09/01/95	2150
954178-9		49.4	ug/L	50.1898	98		09/01/95	2222
954182-2		50.7	ug/L	50.1898	101		09/01/95	2253
954182-3		49.9	ug/L	50.1898	99		09/01/95	2326
954182-3	MST	51.1	ug/L	50.1898	102		09/01/95	2358
954182-3	MTD	49.9	ug/L	50.1898	99		09/02/95	0030



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1802

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954178

Surrogate	Test Matrix	Dilution Factor
4-Bromofluorobenzene		2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	48.6	ug/L	50.1861	97		09/01/95	1916
	RS	48.7	ug/L	50.1861	97		09/01/95	1948
954178-1		47.5	ug/L	50.1861	95		09/01/95	2124
954178-2		47.2	ug/L	50.1861	94		09/01/95	2156
954178-3		48.3	ug/L	50.1861	96		09/01/95	2228
954178-4		47.8	ug/L	50.1861	95		09/01/95	2300
954178-5		48.2	ug/L	50.1861	96		09/01/95	2332
954178-10		48.1	ug/L	50.1861	96		09/01/95	2020
954182-1		48.3	ug/L	50.1861	96		09/02/95	0004
954182-4		48.3	ug/L	50.1861	96		09/02/95	0036
954182-5		47.7	ug/L	50.1861	95		09/01/95	2052
	ST	49.1	ug/L	50.1861	98		09/02/95	0108
	STD	48.7	ug/L	50.1861	97		09/02/95	0140

Surrogate	Test Matrix	Dilution Factor
Dibromofluoromethane		2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	49.0	ug/L	50.1095	98		09/01/95	1916
	RS	49.6	ug/L	50.1095	99		09/01/95	1948
954178-1		51.5	ug/L	50.1095	103		09/01/95	2124
954178-2		51.8	ug/L	50.1095	103		09/01/95	2156
954178-3		52.7	ug/L	50.1095	105		09/01/95	2228
954178-4		53.5	ug/L	50.1095	107		09/01/95	2300
954178-5		54.1	ug/L	50.1095	108		09/01/95	2332
954178-10		49.8	ug/L	50.1095	99		09/01/95	2020
954182-1		54.7	ug/L	50.1095	109		09/02/95	0004
954182-4		55.2	ug/L	50.1095	110		09/02/95	0036



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Volatile Organics (Client Requested)
Method Code.: 8240C
Batch Code.: 1802

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: bfr
Job Number.: 954178

Surrogate	Test Matrix	Dilution Factor
Dibromofluoromethane		2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
954182-5		50.4	ug/L	50.1095	101		09/01/95	2052
	ST	55.6	ug/L	50.1095	111		09/02/95	0108
	STD	56.0	ug/L	50.1095	112		09/02/95	0140

Surrogate	Test Matrix	Dilution Factor
Toluene-d8		2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	49.9	ug/L	50.1898	99		09/01/95	1916
	RS	49.5	ug/L	50.1898	99		09/01/95	1948
954178-1		49.4	ug/L	50.1898	98		09/01/95	2124
954178-2		49.9	ug/L	50.1898	99		09/01/95	2156
954178-3		49.8	ug/L	50.1898	99		09/01/95	2228
954178-4		50.3	ug/L	50.1898	100		09/01/95	2300
954178-5		49.8	ug/L	50.1898	99		09/01/95	2332
954178-10		49.1	ug/L	50.1898	98		09/01/95	2020
954182-1		50.2	ug/L	50.1898	100		09/02/95	0004
954182-4		50.2	ug/L	50.1898	100		09/02/95	0036
954182-5		49.0	ug/L	50.1898	98		09/01/95	2052
	ST	50.4	ug/L	50.1898	100		09/02/95	0108
	STD	50.7	ug/L	50.1898	101		09/02/95	0140



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1962

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: mla
Job Number.: 954178

Surrogate	Test Matrix	Dilution Factor
2,4,6-Tribromophenol		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	87.32	ug/L	100.0100	87		09/09/95	1214
954178-1		85.49	ug/L	100.0100	85		09/09/95	1311
954178-2		86.73	ug/L	100.0100	87		09/09/95	1409
954178-3		90.57	ug/L	100.0100	91		09/09/95	1507
954178-4		85.04	ug/L	100.0100	85		09/09/95	1605
954178-5		87.70	ug/L	100.0100	88		09/09/95	1702
954182-1		107.43	ug/L	100.0100	107		09/09/95	1800
	MB	86.06	ug/L	100.0100	86		09/09/95	1857
954182-4		107.80	ug/L	100.0100	108		09/09/95	1955

Surrogate	Test Matrix	Dilution Factor
2-Fluorobiphenyl		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	32.80	ug/L	50.0000	66		09/09/95	1214
954178-1		37.99	ug/L	50.0000	76		09/09/95	1311
954178-2		37.43	ug/L	50.0000	75		09/09/95	1409
954178-3		44.80	ug/L	50.0000	90		09/09/95	1507
954178-4		43.63	ug/L	50.0000	87		09/09/95	1605
954178-5		39.46	ug/L	50.0000	79		09/09/95	1702
954182-1		49.60	ug/L	50.0000	99		09/09/95	1800
	MB	39.04	ug/L	50.0000	78		09/09/95	1857
954182-4		50.32	ug/L	50.0000	101		09/09/95	1955



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1962

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: mla
Job Number.: 954178

Surrogate	Test Matrix	Dilution Factor
2-Fluorophenol		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	45.72	ug/L	99.9900	46		09/09/95	1214
954178-1		38.46	ug/L	99.9900	38		09/09/95	1311
954178-2		41.29	ug/L	99.9900	41		09/09/95	1409
954178-3		49.83	ug/L	99.9900	50		09/09/95	1507
954178-4		50.56	ug/L	99.9900	51		09/09/95	1605
954178-5		49.49	ug/L	99.9900	49		09/09/95	1702
954182-1		56.97	ug/L	99.9900	57		09/09/95	1800
	MB	48.51	ug/L	99.9900	49		09/09/95	1857
954182-4		60.07	ug/L	99.9900	60		09/09/95	1955

Surrogate	Test Matrix	Dilution Factor
Nitrobenzene-d5		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	32.97	ug/L	50.0500	66		09/09/95	1214
954178-1		28.76	ug/L	50.0500	57		09/09/95	1311
954178-2		28.52	ug/L	50.0500	57		09/09/95	1409
954178-3		35.19	ug/L	50.0500	70		09/09/95	1507
954178-4		33.80	ug/L	50.0500	68		09/09/95	1605
954178-5		33.16	ug/L	50.0500	66		09/09/95	1702
954182-1		40.30	ug/L	50.0500	81		09/09/95	1800
	MB	33.04	ug/L	50.0500	66		09/09/95	1857
954182-4		37.90	ug/L	50.0500	76		09/09/95	1955



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Semivolatile Organics (Client List)
Method Code.: 8270C
Batch Code.: 1962

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst ...: mla
Job Number.: 954178

Surrogate	Test Matrix	Dilution Factor
Phenol-d6		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	29.54	ug/L	100.0400	30		09/09/95	1214
954178-1		24.73	ug/L	100.0400	25		09/09/95	1311
954178-2		25.34	ug/L	100.0400	25		09/09/95	1409
954178-3		30.73	ug/L	100.0400	31		09/09/95	1507
954178-4		32.16	ug/L	100.0400	32		09/09/95	1605
954178-5		30.32	ug/L	100.0400	30		09/09/95	1702
954182-1		37.13	ug/L	100.0400	37		09/09/95	1800
	MB	29.22	ug/L	100.0400	29		09/09/95	1857
954182-4		37.05	ug/L	100.0400	37		09/09/95	1955

Surrogate	Test Matrix	Dilution Factor
Terphenyl-d14		

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	48.30	ug/L	50.0600	96		09/09/95	1214
954178-1		52.11	ug/L	50.0600	104		09/09/95	1311
954178-2		50.21	ug/L	50.0600	100		09/09/95	1409
954178-3		49.98	ug/L	50.0600	100		09/09/95	1507
954178-4		56.39	ug/L	50.0600	113		09/09/95	1605
954178-5		52.67	ug/L	50.0600	105		09/09/95	1702
954182-1		52.54	ug/L	50.0600	105		09/09/95	1800
	MB	54.62	ug/L	50.0600	109		09/09/95	1857
954182-4		55.19	ug/L	50.0600	110		09/09/95	1955



CORE LABORATORIES

QUALITY CONTROL REPORT SURROGATE RECOVERIES Report Date: 09/20/95

Method Description.: Pesticide/PCB Analysis (Organochlorine)
Method Code.: 8080
Batch Code.: 1963

Status.: RPT
QC Code.: 8000

Calc Code.:
Equipment Code.:
Import Code.:

Analyst .: smc
Job Number.: 954178

Surrogate	Test Matrix	Dilution Factor
2,4,5,6-Tetrachloro-m-xylene		0.1

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
954178-1		72.61	ug/L	100.000	73		09/13/95	1800
954178-2		87.90	ug/L	100.000	88		09/13/95	1829
954178-3		71.61	ug/L	100.000	72		09/13/95	1858
954178-4		75.27	ug/L	100.000	75		09/14/95	0725
954178-5		68.62	ug/L	100.000	69		09/14/95	0754
954182-1		65.53	ug/L	100.000	66		09/14/95	0824
	MB	74.73	ug/L	100.000	75		09/13/95	1731
954182-4		14.49	ug/L	100.000	14	X	09/13/95	1702
	MB	72.78	ug/L	100.000	73		09/13/95	1633
954182-4		15.85	ug/L	100.000	16	X	09/18/95	1526

Surrogate	Test Matrix	Dilution Factor
Decachlorobiphenyl		0.1

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
954178-1		100.79	ug/L	100.000	101		09/13/95	1800
954178-2		112.14	ug/L	100.000	112		09/13/95	1829
954178-3		93.14	ug/L	100.000	93		09/13/95	1858
954178-4		91.60	ug/L	100.000	92		09/14/95	0725
954178-5		92.36	ug/L	100.000	92		09/14/95	0754
954182-1		82.75	ug/L	100.000	83		09/14/95	0824
	MB	106.81	ug/L	100.000	107		09/13/95	1731
954182-4		32.44	ug/L	100.000	32	X	09/13/95	1702
	MB	111.51	ug/L	100.000	112		09/13/95	1633
954182-4		34.71	ug/L	100.000	34	X	09/18/95	1526