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WORK PLANS

1995

DANIEL B. STEPHENS & ASSOCIATES, INC.
ENVIRONMENTAL SCIENTISTS AND ENGINEERS

PHASE I SOIL AND GROUND-WATER ASSESSMENT FOR ROSWELL COMPRESSOR STATION NO. 9 SURFACE IMPOUNDMENTS

VOLUME I

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EXECUTIVE SUMMARY

Daniel B. Stephens & Associates, Inc., was retained by ENRON Operations Corp. to conduct a Phase I assessment of soils and ground water underlying Transwestern Pipeline Company's Roswell Compressor Station No. 9, located near Roswell, New Mexico. Previous environmental investigations have identified impacts to the soil and uppermost aquifer underlying the former surface impoundments located in the northeast corner of the site. Objectives of the Phase I investigation were to characterize the composition of the waste that remains in the former impoundments and the downgradient extent of impacts to the uppermost aquifer. The Phase I assessment was conducted during the period of August 15 through 24, 1995.

The uppermost aquifer is present within Quaternary alluvium at approximately 50 to 65 feet below ground surface, and locally, ground water flows toward the northeast. Bail-recovery tests indicate that the uppermost aquifer is of low permeability, with an average hydraulic conductivity of roughly 0.1 foot per day. The average ground-water flow velocity is approximately 4 feet per year based on the in-situ hydraulic tests.

During the course of the investigation, eight soil borings were drilled, monitor wells were installed within three of the borings, hydraulic tests were conducted, fluid levels were measured, and samples were collected for laboratory analysis. Soil and ground-water samples were analyzed for numerous inorganic and organic constituents to determine if standards set by the U.S. Environmental Protection Agency (EPA) and/or the New Mexico Water Quality Control Commission (NMWQCC) were exceeded.

Analytical data indicate that waste within the surface impoundments consists primarily of petroleum hydrocarbons containing small quantities of volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs). Total petroleum hydrocarbon (TPH) concentrations range from less than 50 to 26,000 mg/kg for the analyzed soils. No detectable concentrations of polychlorinated biphenyls were present in the analyzed soils.

With the exception of TPH, benzene, and total BTEX (benzene, toluene, ethylbenzene, and xylene), no regulatory standards or guidance are presently in place for soil contaminants in the

State of New Mexico. Inorganic and organic constituent concentrations were compared to EPA-proposed soil screening guidance and risk-based concentration tables. Based on observed concentrations and proposed EPA screening guidance, the primary VOCs and SVOCs of concern in the waste impoundments are benzene, 1,1-dichlorethene, methylene chloride, tetrachloroethene, toluene, and 1,1,1-trichloroethane. Further, metal concentrations were within the range reported in the literature for background metals with the exception of slightly elevated mercury concentrations.

The areal extent of VOCs exceeding NMWQCC standards is bounded on-site by monitor wells MW-3, MW-5, and MW-6 and downgradient by newly installed monitor well MW-8. Phase-separated hydrocarbons appear to be limited to the area near on-site recovery wells MW-1, MW-2, MW-1B, and RW-1. Inorganic chemical analyses indicate that ground-water samples from each well, including upgradient monitor well MW-6, exceed the NMWQCC standard for total dissolved solids, chloride, and sulfate.

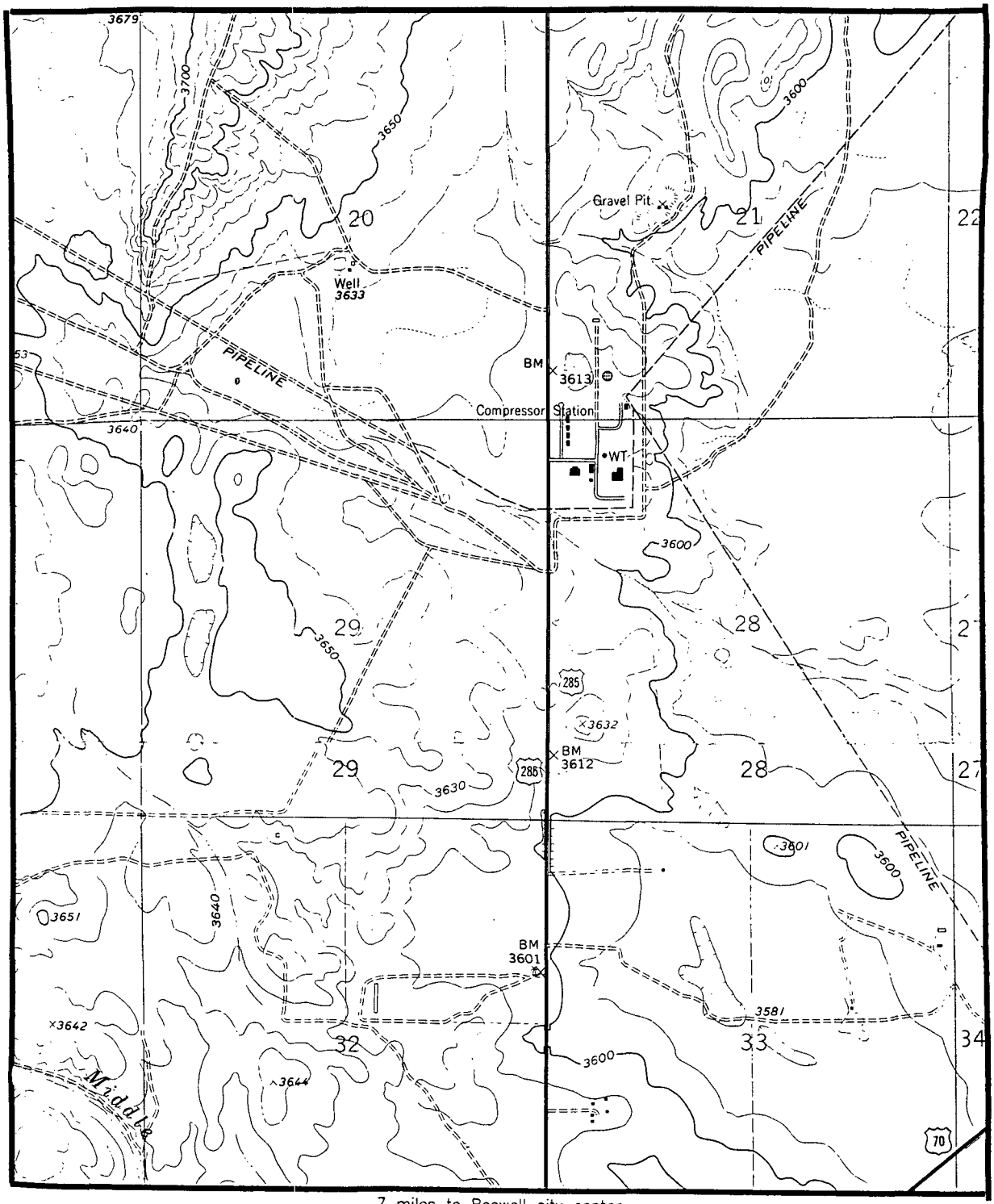
1. INTRODUCTION

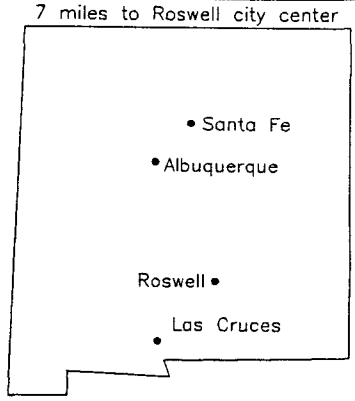
ENRON Operations Corp. (EOC) retained Daniel B. Stephens & Associates, Inc. (DBS&A), to conduct a Phase I assessment of the soils and ground water underlying Transwestern Pipeline Company's (TPC's) Roswell Compressor Station No. 9. The site is located approximately 9 miles north of the city center of Roswell, New Mexico, along U.S. Highway 285 (Figure 1). The general site layout, showing the location of buildings, liquid storage areas, and the former surface impoundments (referred to as Pits 1, 2, and 3), is provided in Figure 2. The former surface impoundments located in the northeast corner of the site are the subject of the Phase I assessment.

Past operational practices at the site resulted in the release of waste liquids to the subsurface, primarily through the use of the surface impoundments. The former surface impoundments served primarily to contain pipeline condensate, a hydrocarbon liquid that accumulates within natural gas pipelines. Environmental investigations have identified impacts to soil and the uppermost aquifer underlying the former pits (Harding Lawson Associates, 1990; Metric Corporation, 1991; Halliburton NUS, 1992; Brown & Root Environmental, 1993). The objectives of this Phase I investigation were to characterize the composition of the wastes that remain in the former impoundment area and the downgradient impacts to the uppermost aquifer.

Unless otherwise stated, field work was completed in accordance with the *Phase I Soil and Ground-Water Assessment Plan for Roswell Compressor Station Surface Impoundments* submitted to EOC on July 10, 1995 (DBS&A, 1995). The assessment plan was developed to ensure that the data generated from the investigation are of sufficient quality to support subsequent decisions by EOC and state regulators. Regulatory guidance for the site is being provided by the New Mexico Oil Conservation Division (OCD) and the New Mexico Environment Department (NMED). OCD approved the Phase I assessment plan on August 11, 1995.

The Phase I assessment was conducted during the period of August 15 through 24, 1995. In order to evaluate potential subsurface impacts, DBS&A analyzed soil and ground-water samples for numerous inorganic and organic constituents to determine if standards set by the U.S. Environmental Protection Agency (EPA) and/or the New Mexico Water Quality Control





N

0 3000 Feet

Source: U.S. Geological Survey. 1982
Panther Hill, Roswell North
7 1/2 Minute Topographic
Quadrangle Map.

ROSWELL COMPRESSOR STATION

Location Map

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Figure 1

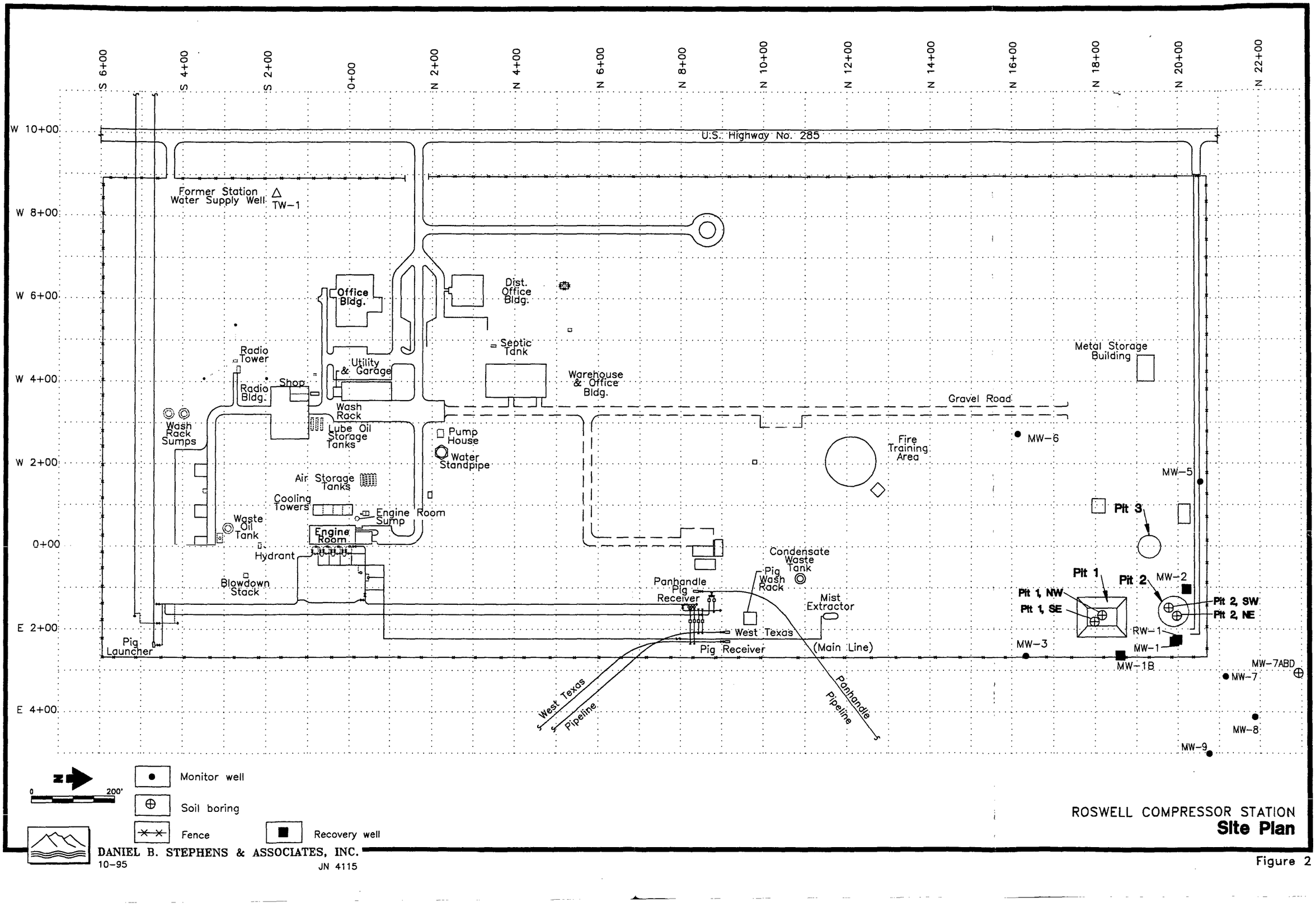

S 6+00
S 4+00
S 2+00
0+00
N 2+00
N 4+00
N 6+00
N 8+00
N 10+00
N 12+00
N 14+00
N 16+00
N 18+00
N 20+00
N 22+00
W 10+00
W 8+00
W 6+00
W 4+00
W 2+00
0+00
E 2+00
E 4+00
U.S. Highway No. 285
Former Station Water Supply Well
TW-1
Office Bldg.
Dist. Office Bldg.
Septic Tank
Metal Storage Building
Radio Tower
Radio Bldg.
Shop
Utility & Garage
Warehouse & Office Bldg.
Gravel Road
Wash Rack
Wash Rack Sumps
Lube Oil Storage Tanks
Pump House
Water Standpipe
Fire Training Area
MW-6
MW-5
Air Storage Tanks
Cooling Towers
Engine Room
Engine Sump
Engine Room
Waste Oil Tank
Hydrant
Blowdown Stack
Pit 3
Pit 1
Pit 2
MW-2
Pit 1, NW
Pit 1, SE
Pit 2, SW
Pit 2, NE
RW-1
MW-1
MW-3
MW-1B
MW-7ABD
MW-7
MW-8
MW-9
Condensate Waste Tank
Pig Wash Rack
Panhandle Pig Receiver
Mist Extractor
West Texas Pig Receiver
(Main Line)
Pig Launcher
West Texas Pipeline
Panhandle Pipeline
N
0
200'
Monitor well
Soil boring
Fence
Recovery well
D\4115\411505QDWG
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ROSWELL COMPRESSOR STATION
Site Plan

Figure 2

Commission (NMWQCC) were exceeded. Additional field methods were employed to characterize ground-water flow within the uppermost aquifer present beneath the site. Specifically, the DBS&A Phase I assessment included the following work:

- Four soil borings were advanced within the former impoundments for waste characterization.
- Four off-site soil borings were advanced and three of the borings were converted to monitor wells.
- Soil samples were collected from each boring for field and laboratory analyses.
- Three existing and the three newly installed monitor wells were developed.
- Pneumatic bladder pumps were installed in the six monitor wells for ground-water sampling.
- The six monitor wells were sampled, and the samples were analyzed for inorganic and organic constituents.
- Fluid levels were measured to determine ground-water flow directions.
- Five bail-recovery tests were conducted to determine aquifer characteristics.
- A survey was conducted to determine the location and elevations of each boring and monitor well.

This report presents the methods and results of the Phase I assessment. Section 2 provides a regional hydrogeologic framework and a summary of previously completed environmental work. Sections 3 and 4 describe the soil and ground-water assessments, respectively. Finally, Section 5 provides a conclusion and recommendations for developing the Phase II assessment plan.

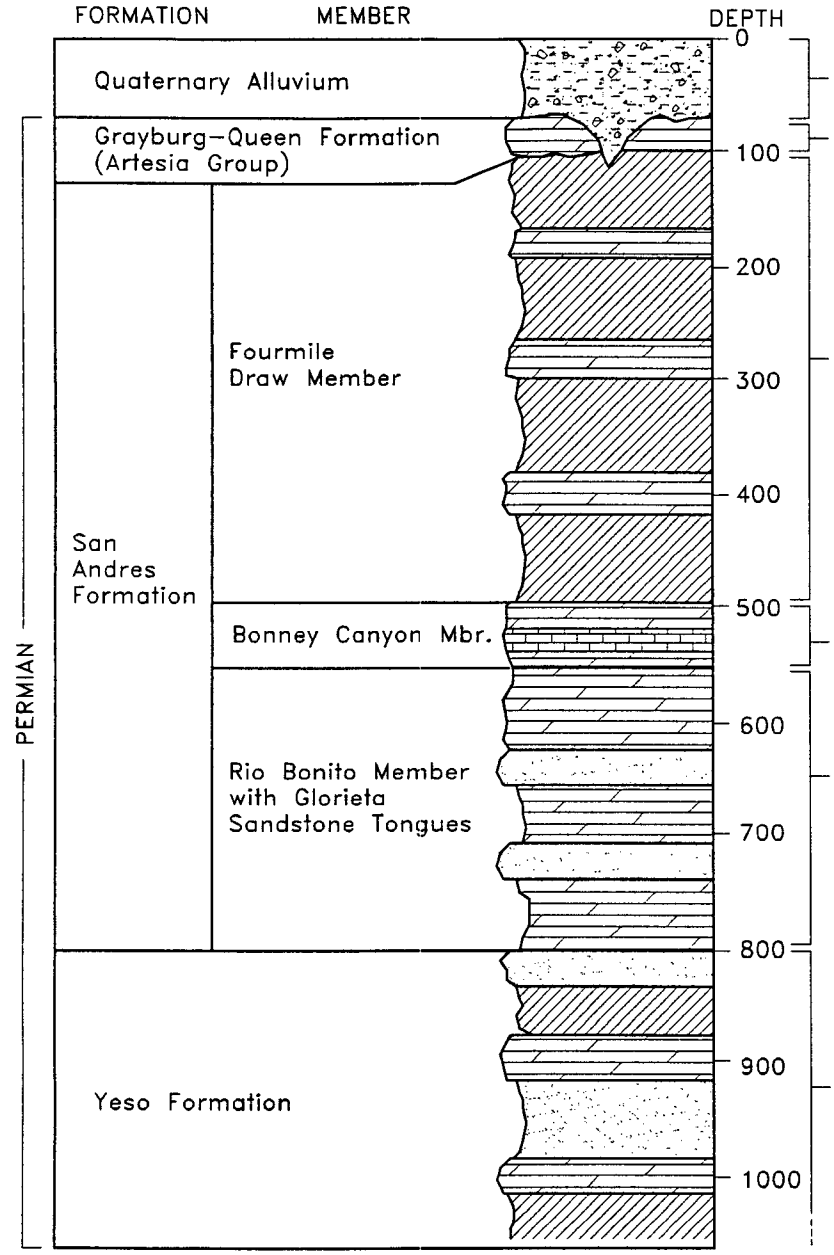
2. SITE BACKGROUND

The Phase I assessment plan was developed in order to provide the basis for a voluntary subsurface investigation to determine the composition and extent of soil and ground-water contamination resulting from past use of the impoundments. This section provides information relevant to DBS&A's Phase I assessment. Section 2.1 describes the regional hydrogeologic framework. Section 2.2 provides a brief summary of previous environmental investigations undertaken at the former surface impoundments.

2.1 Regional Hydrogeologic Framework

The site lies within the northernmost portion of the Roswell hydrologic basin. The stratigraphic units of importance with regard to water resources are, in ascending order, the San Andres Formation (Permian age), the Artesia Group (Permian age), and the undifferentiated Quaternary-age alluvium. Figure 3 shows the generalized stratigraphy in the vicinity of the site. Ground water is produced from both a shallow water-table aquifer (alluvium) and a deeper artesian aquifer (San Andres Limestone). In general, the Artesia Group is considered a confining bed that limits the exchange of water between alluvium and the San Andres Limestone. However, drillers' logs in the Roswell area indicate that discontinuous permeable units in the upper Artesia Group act as water-bearing zones (Welder, 1983). Fractures and cracks between fragments of collapsed breccia and solution-enlarged bedding planes and joints constitute the principal sources of permeability. These water-bearing zones generally occur in the upper quarter of the confining unit and can yield water to wells that tap both the upper Artesia Group and the shallow alluvium.

Near the site, the Artesia Group is often thin or absent, and the clay beds within the valley fill act as the confining bed for the lower carbonate aquifer. The valley fill consists of poorly to moderately consolidated deposits of gravel, sand, and clay that mantle the underlying Permian rocks. The thickness of alluvial sediments varies considerably from one locality to another because of the irregular bedrock erosional surface upon which the alluvium was deposited. In some areas, the alluvial fill is moderately well cemented. Silt and clay deposits frequently occur as lenses that were deposited in small ponds and lakes resulting from the dissolution and collapse of the underlying carbonate rocks.



Information Source: Kelley, 1971

Explanation

Unconsolidated Alluvium
Sandstone
Limestone
Dolomite
Gypsum

D/4115/2-26SS.DWG

ROSWELL COMPRESSOR STATION

Generalized Stratigraphic Section Near Roswell Compressor Station

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Figure 3

The alluvium underlying the site appears to be hydraulically connected to the upper bedrock units of the Artesia Group in some areas. The perimeter of the saturated alluvium is generally bounded by a margin of less permeable basal clays. The alluvium and the upper Artesia Group are referred to as the uppermost aquifer in this report.

2.2 Previous Environmental Investigations

Several environmental investigations have been completed at the site to characterize the extent of subsurface impacts near the former surface impoundments. The investigations have included (1) a comprehensive soil vapor survey and soil coring program by Harding Lawson Associates (HLA, 1991), (2) a drilling and soil sampling program by Metric Corporation (Metric, 1991), (3) installation of a monitor well by Halliburton NUS Environmental Corporation (Halliburton NUS, 1991), (4) installation of a product recovery pump in monitor well MW-1 by Cypress Engineering Services (CES, 1994), (5) a drilling and soil sampling program by Brown & Root Environmental (B&R, 1993), (6) product recovery system operation and optimization by Brown & Caldwell and (7) installation of an upgradient monitor well by DBS&A (DBS&A, 1995).

Based on the previous investigations, it appeared that volatile organic compounds (VOCs) were detectable in soils encompassing an area of approximately 600 by 400 feet centered between the three former surface impoundments. Near the former surface impoundments, the vertical extent of impacted soils extends from approximately land surface to the top of the uppermost aquifer at approximately 60 feet. The depth of impacted soil appears to decrease rapidly as one moves laterally away from the surface impoundments.

Prior to the Phase I assessment, the longitudinal extent of VOCs in ground water was difficult to ascertain due to the limited number of monitor wells, especially in the downgradient direction. However, the previous investigations determined that the lateral extent of VOCs is bounded on-site by monitor wells MW-3, MW-5, and MW-6. Measurable thicknesses of phase-separated hydrocarbons (PSH) are present in on-site recovery wells MW-1, MW-2, MW-1B, and RW-1 completed in the uppermost aquifer and an upper perched zone of limited extent. The monitor wells containing PSH are located near Pits 1 and 2 (Figure 2).

The previous investigations and interim corrective action to remove PSH have been undertaken in phases beginning in the spring of 1990 and continuing to the present. During this period, extensive data were collected regarding subsurface soils and ground-water conditions at the site.

3. SOIL ASSESSMENT

The primary goal of the Phase I soil assessment was to characterize residual subsurface wastes with respect to hazardous constituents such that a list of target analytes could be developed and the extent of subsurface impacts originating from the residual waste could be further defined during the Phase II investigation. The soil assessment consisted of sampling two previously backfilled surface impoundments (Pits 1 and 2) and characterizing the residual wastes through laboratory analyses. Additional soil samples were collected from off-site borings to evaluate background metal concentrations and to determine if VOCs were present above the uppermost aquifer. Other potential source areas will be investigated during Phase II.

Section 3.1 describes drilling and sampling procedures followed during the investigation. Sections 3.2 and 3.3 provide a discussion of the soil assessments and the results from analysis of the residual waste and background metals, respectively.

3.1 Drilling and Sampling Procedures

During the investigation, DBS&A advanced four borings within the former impoundments and four borings off-site. Three of the four off-site borings were converted to ground-water monitoring wells. Drilling services were provided by Harrison Drilling Company of Hobbs, New Mexico, using a Mobile Drill B-61 hollow-stem auger rig. Drilling equipment and sampling devices were steam cleaned and inspected by DBS&A personnel prior to beginning each boring. In addition, all sampling equipment was decontaminated prior to each use by washing with Liquinox® detergent followed by rinsing with deionized water as outlined in the Phase I assessment plan (DBS&A, 1995).

All soil cuttings and decontamination fluids were stored in 55-gallon drums and labeled to identify contents, date of generation, and amount of material generated. Upon receiving appropriate approvals, clean soils will be disposed of on-site by spreading soil cuttings on the ground surface, and contaminated soils will be shipped for disposal at a permitted disposal facility.

Soil samples were collected by driving 24-inch-long split-spoon samplers ahead of the lead auger flight using a rig-mounted drive hammer with uniform drive-pressure/drop-height. As each boring was advanced, the recovered cuttings and split-spoon samples were used to develop geologic logs based on the Unified Soil Classification System. Subsamples of the recovered material were placed in resealable plastic bags for field headspace screening for VOCs using an organic vapor analyzer equipped with a photoionization detector (PID). Appendix A contains the lithologic logs produced for each boring advanced during the investigation and, where applicable, the corresponding well construction diagrams.

Samples collected for chemical analysis were contained in 250-mL glass jars or 6-inch brass liner rings and placed in an ice-filled cooler for shipment to Core Laboratories in Denver, Colorado. Chemical analysis of the soil samples was performed using standard laboratory protocols in *Test Methods for Evaluating Solid Waste* (U.S. EPA, 1986). Analytical methods and data quality objectives for the investigation are discussed in detail in the Phase I soil assessment plan.

Following sample collection, each boring was either plugged and abandoned with a cement/ bentonite slurry or completed as a ground-water monitoring well.

3.2 Waste Characterization

Since the locations of Pits 1 and 2 were known with relative certainty from examination of aerial photographs, two soil borings were drilled within each of these two areas at the locations shown on Figure 2. In order to chemically characterize the wastes within the former surface impoundments, a single sample of the most highly impacted soil was selected from each boring for laboratory analysis. The most highly impacted sample was selected based on visual examination and field headspace screening with a PID. Native soils were encountered at approximately 12 to 14 feet below ground surface (bgs) within the former surface impoundments. Lithologic logs are provided in Appendix A.

A split-spoon sampler equipped with brass rings was used to collect samples of the hydrocarbon-impacted soil below the clean backfill. Upon retrieval of the sampler, the two middle rings were

removed and immediately sealed with Teflon® membranes, plastic end caps, and solvent-free tape to minimize loss of VOCs from the soil samples due to volatilization.

Samples were analyzed by Core Laboratories for total petroleum hydrocarbons (TPH) (EPA method 418.1), VOCs (EPA method 8240), semivolatile organic compounds (SVOCs) (EPA method 8270), polychlorinated biphenyls (PCBs) (EPA method 8080), metals (EPA methods 6010 and 7471), cyanide (EPA method 9010), and sulfide (EPA method 9030). Table 1 summarizes analytical data for detected compounds, and Appendix B provides a summary of analytical results for all samples collected by DBS&A in the investigated area. Copies of the Core Laboratories analytical reports and the corresponding quality assurance/quality control data are given in Volume II.

As indicated in Table 1, the waste within the surface impoundment consist primarily of petroleum hydrocarbons containing small quantities of VOCs and SVOCs. TPH concentrations ranged from less than 50 to 26,000 mg/kg for the samples collected from Pits 1 and 2. The OCD regulatory guideline of 100 mg/kg for TPH (OCD, 1993) was exceeded in three of the four soil samples.

With the exception of OCD regulatory guidelines for benzene and total BTEX, no regulatory standards or guidance are presently in place for the State of New Mexico for the remaining compounds detected within the pit soil samples. In an attempt to standardize the evaluation and cleanup of contaminated sites, the EPA is in the process of developing soil screening guidance (U.S. EPA, 1994). Based on the proposed soil screening levels (U.S. EPA, 1994), the primary organic compounds of concern are benzene, 1,1,-dicloroethene (1,1-DCE), methylene chloride, tetrachloroethene (PCE), toluene, and 1,1,1-trichloroethane (1,1,1-TCA). No detectable concentrations of PCBs were present in the soil samples. In addition, EPA Region III has developed toxicological and risk-based concentrations for soil ingestion (U.S. EPA, 1995), of which none of the pit samples exceed the concentration for VOCs, SVOCs, PCBs, or metals (Table 1).

With the exception of mercury concentrations within Pit 1, the concentration range for metals listed on Table 1 are within those reported by the U.S. Geological Survey (USGS) for background metal concentrations in the southwest and western United States (Shacklette and Boerngen,

Table 1. Summary of Detected Compounds for Pit Soil Samples
Roswell Compressor Station No. 9
Page 1 of 2

Analyte	Soil Screening Level[a]	Risk-Based Concentration[b]	Sample No. (Sample Date)			
			Pit 1 NW Boring (08/18/95)	Pit 1 SE Boring (08/18/95)	Pit 2 NE Boring (08/17/95)	Pit 2 SW Boring (08/18/95)
Volatile Organic Compounds (mg/kg) by EPA Method 8240						
Acetone	8	7,800	**1.4**	<0.50	<0.50	<0.10
Benzene	0.02	22	**0.21**	**0.85**	**0.14**	<0.005
Carbon disulfide	14	7,800	<0.02	**0.06**	<0.02	<0.005
1,1-Dichloroethane (1,1-DCA)	11	7,800	**1.0**	**1.20**	<0.02	<0.005
1,1-Dichloroethene (1,1-DCE)	0.03	1.1	**0.04**	**0.04**	<0.02	<0.005
Ethylbenzene	5	7,800	**0.04**	**0.37**	**0.9**	<0.005
2-Hexanone	NA	NA	<0.02	**0.46**	<0.02	<0.005
Methylene chloride (dichloromethane)	0.01	85	<0.02	**0.16**	<0.02	<0.005
Tetrachloroethene (PCE)	0.04	12	<0.02	**0.04**	<0.02	**0.009**
Toluene	5	16,000	**0.5**	**9.1**	**1.9**	<0.005
1,1,1-Trichloroethane (1,1,1-TCA)	0.9	7,000	**1.9**	**16.0**	<0.02	**0.017**
Vinyl acetate	84	78,000	**0.2**	**7.0**	<6.0	<0.05
Xylene(s)[c]	74	160,000	**0.27**	**2.4**	**16.0**	<0.005
Semivolatile Organic Compounds (mg/kg) by EPA Method 8270						
Benzo(j)fluoranthene	NA	NA	<3.3	<3.3	<0.33	**0.33**
Bis(2-ethylhexyl)phthalate	11	46	**4.8**	<3.3	<0.33	<0.33
Chrysene	1	88	<3.3	<3.3	<0.33	**0.33**
Fluoranthene	980	3,100	<3.3	<3.3	<0.33	**0.76**
2-Methylnaphthalene	NA	NA	**4.8**	<3.3	**0.46**	<0.33
Phenanthrene	NA	NA	**5.6**	**5.0**	<0.33	**0.45**
Phenol (carbolic acid)	49	47,000	**30.0**	**200**	<0.33	<0.33
Pyrene	1,400	2,300	<3.30	<3.3	<0.33	**0.89**

Notes: This table lists only those analytes that were detected in at least one of the pit soil samples.
Bold values highlight concentrations above reporting limits.
Core Laboratories results for VOCs and SVOCs converted from µg/kg to mg/kg.

[a] Soil screening level for protection of ground water based on a dilution-attenuation factor of 10 (EPA, 1994)
[b] Risk-based concentration for soil ingestion at residential sites (EPA, 1995)
[c] Soil screening level for mixed xylene

NA = Not available

Table 1. Summary of Detected Compounds for Pit Soil Samples
Roswell Compressor Station No. 9
Page 2 of 2

Analyte	Soil Screening Level[a]	Risk-Based Concentration[b]	Sample No. (Sample Date)			
			Pit 1 NW Boring (08/18/95)	Pit 1 SE Boring (08/18/95)	Pit 2 NE Boring (08/17/95)	Pit 2 SW Boring (08/18/95)
PCBs (µg/kg) by EPA Method 8080 *(No analytes detected)*						
Metals (mg/kg) by EPA Methods 6010 and 7471 (for Mercury)						
Aluminum (Al)	NA	78,000	**5,950**	**1,690**	**1,430**	**1,63**
Antimony (Sb)	NA	31	**10**	<10	<10	<10
Arsenic (As)	15	23	**9**	**17**	**6**	<5
Barium (Ba)	32	5,500	**415**	**171**	**233**	**734**
Beryllium (Be)	180	0.15	<0.5	<0.5	**0.5**	<0.5
Chromium (Cr)[d]	19	390	**9**	**9**	**8**	**7**
Copper (Cu)	NA	2,900	**144**	**337**	**56**	**18**
Lead (Pb)	NA	NA	<5	**11**	<5	<5
Mercury (Hg)	3	23	**0.59**	**1.36**	<0.10	<0.10
Nickel (Ni)	21	1,600	**9**	**5**	**5**	<4
Selenium (Se)	3	390	<10	<10	<10	**10**
Tin (Sn)	NA	47,000	<5	**6**	**5**	<5
Vanadium (V)	NA	550	**14**	**10**	**21**	**11**
Zinc (Zn)	42,000	23,000	**97**	**282**	**45**	**34**
Miscellaneous (mg/kg) by EPA Methods 9010, 9030, and 418.1, respectively						
Total cyanide[e]	NA	11.290	**1.1**	**1.4**	<0.4	<0.4
Total sulfide	NA	NA	**1,800**	**940**	**530**	**370**
Total petroleum hydrocarbons	NA	NA	**4,700**	**26,000**	**5,300**	<50

Notes: This table lists only those analytes that were detected in at least one of the pit soil samples.
Bold values highlight concentrations above reporting limits.

[d] Concentrations based on chromium VI
[e] Includes barium/calcium/copper cyanide

NA = Not available

1984). The USGS study consisted of hundreds of soil samples collected from undisturbed sites away from roads and other anthropogenic impact areas. Shacklette and Boerngen reported that 99.7 percent of the 729 soil samples fell in the range of 0.0036 to 0.58 mg/kg for mercury concentrations. The reported mercury concentrations for Pit 1 samples were 0.59 and 1.36 mg/kg. However, the mercury concentrations were below the proposed EPA soil screening level (Table 1).

3.3 Off-Site Characterization

During the off-site portion of the investigation, DBS&A collected 13 additional soil samples for analyses. Core Laboratories analyzed off-site soil samples for VOCs (EPA method 8240) and selected metals, which are a potential concern at natural gas facilities, in order to establish background concentrations. Background metal concentrations were desired for comparison with metal concentrations within the impoundments.

Tables 2a through 2c provide a summary of the analytical results for the 13 off-site soil samples collected during the drilling program. VOC concentrations were below the detection limit for each soil sample with the exception of methylene chloride, which was also present in the laboratory method blank.

Table 2a. Summary of Detected Compounds for Soil Samples Roswell Compressor Station No. 9 Off-Site Soil Boring MW-7ABD

Analyte	Sample No. and Depth (Sample Date)		
	MW-7ABD 5-10' (08/15/95)	MW-7ABD 40-42' (08/15/95)	MW-7ABD 60-62' (08/15/95)
Volatile Organic Compounds (µg/kg) by EPA Method 8240			
Methylene chloride (dichloromethane)	<5	<5	<5
Metals (mg/kg) by EPA Methods 6010 and 7471 (for Mercury)			
Arsenic (As)	<5	8	5
Barium (Ba)	319	210	165
Chromium (Cr)	7	16	14
Lead (Pb)	<5	18	8
Mercury (Hg)	<0.10	<0.10	0.42

Table 2b. Summary of Detected Compounds for Soil Samples Roswell Compressor Station No. 9 Off-Site Soil Boring MW-7

Analyte	Sample No. and Depth (Sample Date)				
	MW-7 10-12' (08/22/95)	MW-7 30-32' (08/22/95)	MW-7 40-42' (08/22/95)	MW-7 50-52' (08/22/95)	MW-7 70-72' (08/22/95)
Volatile Organic Compounds (µg/kg) by EPA Method 8240					
Methylene chloride (dichloromethane)	6 B	7 B	8 B	8 B	9 B
Metals (mg/kg) by EPA Methods 6010 and 7471 (for Mercury)					
Arsenic (As)	<5	<5	<5	7	12
Barium (Ba)	301	48	30	157	102
Chromium (Cr)	6	11	9	19	16
Lead (Pb)	<5	6	5	6	11
Mercury (Hg)	<0.10	<0.10	<0.10	<0.10	<0.10

B = Analyte also present in method blank

Notes: These tables list only those analytes that were detected in at least one of the soil samples from off-site soil borings. Bold values highlight concentrations above reporting limits.

Table 2c. Summary of Detected Compounds for Soil Samples
Roswell Compressor Station No. 9
Off-Site Soil Borings MW-8 and MW-9

Analyte	Sample No. and Depth (Sample Date)				
	MW-8 10' (08/16/95)	MW-8 65' (08/16/95)	MW-9 10' (08/16/95)	MW-9 40-42' (08/16/95)	MW-9 60-62' (08/22/95)
Volatile Organic Compounds (µg/kg) by EPA Method 8240					
Methylene chloride (dichloromethane)	<5	<5	<5	<5	**10** B
Metals (mg/kg) by EPA Methods 6010 and 7471 (for Mercury)					
Arsenic (As)	<5	<5	**8**	**12**	**14**
Barium (Ba)	**95**	**8**	**151**	**176**	**76**
Chromium (Cr)	**8**	**5**	**7**	**13**	**15**
Lead (Pb)	<5	<5	<5	**5**	**5**
Mercury (Hg)	**0.12**	<0.10	<0.10	<0.10	<0.10

B = Analyte also present in method blank

Notes: These tables list only those analytes that were detected in at least one of the soil samples from off-site soil borings.
Bold values highlight concentrations above reporting limits.

4. GROUND-WATER ASSESSMENT

Concurrent with the soil assessment, the Phase I ground-water assessment was conducted to determine target analytes present in ground water both on- and off-site. Based on the previous investigations, petroleum hydrocarbons and the chlorinated solvent 1,1,1-TCA are recognized as the principal threats to ground water. However, in order to ensure that other constituents are not present, additional analyses were specified for ground-water samples. The following subsections describe the outcome of the ground-water assessment.

4.1 Monitor Well Installation

The proposed monitor well locations for the Phase I investigation were located downgradient of the former impoundments (MW-7ABD, MW-8, and MW-9 on Figure 2). During the investigation, monitor well MW-7 was relocated upgradient of monitor well MW-8 after determining that the original location was dry three days after well installation. The initial location for monitor well MW-7 was cleaned out, plugged with cement, and renamed MW-7ABD.

Soil samples were collected at 10-foot intervals, and field headspace screening was performed using a PID. Additional grab samples were collected periodically to better define geologic conditions. Appendix A contains the lithologic logs and well construction diagrams.

The newly installed monitor wells were constructed of 2-inch-diameter schedule 40 PVC pipe and included, in ascending order, a 6-inch flush-threaded silt trap (sump) at the bottom, 15 to 20 feet of flush-threaded 0.01-inch machine-slotted PVC screen, and blank casing from the top of the screen to ground surface.

Once the well casing was lowered to the bottom of the borehole, a sand pack consisting of #20-40 mesh silica sand was emplaced from the total well depth to approximately 2 feet above the top of the well screen. The annular space above the sand pack was filled with a minimum 2-foot-thick bentonite seal and hydrated with distilled water. The remaining annular space was filled with a cement/bentonite slurry grout to ground surface. The top of the well casing was

protected by a locking expansion cap within a flush grade well vault. A concrete pad was then constructed around the well vault.

Monitor well construction details and September 15, 1995, water level elevations are provided in Table 3. Each drilling location was surveyed by Wagener Engineering of Roswell, New Mexico, relative to the station's area grid system.

4.2 Ground-Water Sampling, Analysis, and Results

The newly installed monitor wells and existing wells MW-3, MW-5, and MW-6 were developed by surging with a PVC bailer in order to dislodge any smeared material on the borehole wall that would otherwise inhibit ground-water flow and to remove fine particles near the boring. During well development, pH, temperature, specific conductance, and turbidity were monitored periodically to determine when the wells were sufficiently developed.

Following well development, dedicated pneumatic bladder pumps were installed in each well to allow purging and collection of representative ground-water samples at low flow rates. After purging three casing volumes, samples were collected in order of decreasing volatility. Samples for VOC analyses were collected in precooled, acidified, certified-clean 40-mL glass vials with septum caps supplied by the laboratory. Following collection of the VOC samples, the SVOC, total metals (unfiltered), and general chemistry samples were collected in containers with the appropriate preservative provided by Core Laboratories.

Ground-water samples were collected from existing monitor wells MW-3, MW-5, and MW-6 and from all of the new downgradient monitor wells (MW-7, MW-8, and MW-9). Samples from each well were analyzed for VOCs, SVOCs, organochlorine pesticide/PCBs, metals, cyanide, sulfide, and major ions by Core Laboratories using the EPA procedures set forth in *Test Methods for Evaluating Solid Waste* (U.S. EPA, 1986).

Table 4 provides a summary of the detected compounds for the ground-water samples. As shown on Table 4, the only detected organic compounds were benzene at 6 µg/L in monitor well MW-8 and methyl ethyl ketone and methyl methacrylate at 900 and 5 µg/L, respectively, in

Table 3. Monitor Well/Soil Boring Locations and September 15, 1995, Water Level Elevation Data Roswell Compressor Station No. 9

Well/Boring	Location [a]		Date of Completion	Measuring Point Elevation [b] (fmsl)	Depth to Water from Measuring Point [b] (feet)	Water Level Elevation (fmsl)	Total Boring Depth (feet bgs)	Screened Interval (feet bgs)	Top of Silica Sand (feet bgs)
	North (feet)	East (feet)							
MW-3	1,629.8	265.3	04/26/93	3,614.88	64.58	3,550.30	72.5	60-70	58
MW-5	2,049.7	-151.0	04/28/93	3,612.76	62.46	3,550.30	70.0	60-70	58
MW-6	1,607.4	-266.2	12/01/94	3,618.62	61.52	3,557.10	79.0	59.9-74.9	57.1
MW-7	2,118.0	328.4	08/22/95	3,599.20	55.60	3,543.60	70.5	50.0-70.0	48.1
MW-8	2,178.0	414.7	08/16/95	3,595.80	52.82	3,542.98	76.8	59.0-74.0	57.2
MW-9	2,071.4	512.9	08/18/95	3,599.35	50.48	3,548.87	70.0	50.0-70.0	47.9
Pit 1, NW	1,812.3	172.9	08/18/95	3,615.68 [c]	NA	NA	12.0	NA	NA
Pit 1, SE	1,798.2	181.5	08/18/95	3,615.61 [c]	NA	NA	14.0	NA	NA
Pit 2, NE	1,990.3	174.7	08/17/95	3,614.81 [c]	NA	NA	20.0	NA	NA
Pit 2, SW	1,970.1	150.2	08/18/95	3,616.05 [c]	NA	NA	6.0	NA	NA
MW-7ABD	2,289.6	306.6	08/15/95	3,599.37 [c]	NA	NA	74.0	NA	NA

Survey conducted by Wagener Engineering, Roswell, NM, with the exception of MW-3 and MW-5 installed by Brown & Root Environmental, 1993.

[a] North and east coordinates relative to site grid
[b] Measuring point is top of PVC casing
[c] Measuring point is top of cement plug

fmsl = Feet above mean sea level
bgs = Below ground surface
NA = Not applicable

Table 4. Summary of Detected Compounds for Ground-Water Samples Roswell Compressor Station No. 9

Analyte	NMWQCC Standard	Monitor Well (Sample Date)					
		MW-3 (08/22/95)	MW-5 (08/22/95)	MW-6 (08/22/95)	MW-7 (08/23/95)	MW-8 (08/22/95)	MW-9 (08/23/95)
Volatile Organic Compounds (µg/L) by EPA Method 8240							
Benzene	10	<5	<5	<5	<5	**6**	<5
Methyl ethyl ketone (2-Butanone)	None	<100	<100	<100	**900**	<100	<100
Methyl methacrylate	None	<5	<5	<5	**5**	<5	<5
Semivolatile Organic Compounds (µg/L) by EPA Method 8270 *(No analytes detected)*							
Organochlorine Pesticides/PCBs (µg/L) by EPA Method 8080 *(No analytes detected)*							
Metals (mg/L) by EPA Methods 6010 and 7470 (for Mercury)							
Aluminum (Al)	5.0	**0.24**	**0.38**	**0.69**	**1.39**	**0.33**	**3.13**
Barium (Ba)	1.0	<0.01	<0.01	<0.01	**0.02**	<0.01	**0.04**
Copper (Cu)	1.0	<0.01	<0.01	<0.01	<0.01	<0.01	**0.01**
Mercury (Hg)	0.002	**0.0002**	<0.0002	**0.0005**	**0.0004**	**0.0003**	**0.0005**
Zinc (Zn)	10	**0.03**	**0.01**	**0.03**	**0.02**	**0.01**	**0.03**
Indicator Parameters (mg/L) *(EPA methods shown in parentheses)*							
Bicarbonate (2320B)	None	**142**	**149**	**134**	**166**	**163**	**151**
Calcium (6010)	None	**587**	**623**	**458**	**668**	**587**	**896**
Chloride (325.2)	250	**405**	**574**	**344**	**284**	**362**	**391**
Magnesium (6010)	None	**136**	**145**	**148**	**235**	**193**	**232**
Nitrate + nitrite as N (353.2)	10	**0.80**	**3.10**	**1.00**	**0.12**	**0.10**	**0.38**
Potassium (6010)	None	**3.2**	**3.8**	**3.9**	**8.2**	**3.7**	**17**
Sodium (6010)	None	**215**	**204**	**124**	**149**	**117**	**230**
Sulfate (375.2)	600	**1,800**	**1,800**	**1,600**	**2,000**	**2,000**	**2,200**
Sulfide (376.2)	None	<0.05	<0.05	<0.05	**0.08**	<0.05	**0.10**
Total alkalinity (as $CaCO_3$) (310.1)	None	**116**	**122**	**110**	**136**	**134**	**124**
Total dissolved solids (160.1)	1,000	**3,650**	**3,440**	**2,800**	**3,640**	**3,640**	**4,060**

Notes: This table lists only those analytes that were detected in at least one of the ground-water samples.
Bold values highlight concentrations above reporting limits.

NMWQCC = New Mexico Water Quality Control Commission

monitor well MW-7. The inorganic chemical analyses indicate that ground-water samples from each well, including upgradient monitor well MW-6, exceed the NMWQCC ground-water standards for total dissolved solids, chloride, and sulfate.

It appears that the lateral extent of VOCs is bounded on-site by monitor wells MW-3, MW-5, and MW-6 and downgradient by monitor well MW-8. As discussed in the Phase I assessment plan (DBS&A, 1995), PSH is present in on-site recovery wells MW-1, MW-2, MW-1B, and RW-1 (Figure 2). Based on the currently available data, PSH appears to be limited to the on-site property.

The generally poor water quality in the vicinity of the site is natural and is likely due primarily to the presence of gypsum beds within the alluvium and underlying Artesia Group. The gypsum beds result in objectionably high calcium and sulfate concentrations in the uppermost aquifer. Sulfate concentrations are approximately 2,000 mg/L (Table 4), which is approximately equal to the equilibrium saturation concentration for ground water in direct contact with gypsum ($CaSO_4 \cdot 2H_2O$). Thus, background sulfate concentrations are roughly four times the NMWQCC ground-water standard of 600 mg/L.

4.3 Hydrogeologic Evaluation

The alluvial sediments beneath the impoundments consist of discontinuous interbedded cobbles, gravel, sand, silt, and clay to depths of approximately 70 feet bgs. The base of the alluvium is marked by abundant gypsum beds. A detailed description of the alluvial lithology is provided in the Phase I assessment plan (DBS&A, 1995). Ground water within the alluvium occurs under unconfined conditions to possibly semiconfined conditions below the alluvium-Artesia Group contact. The depth to water across the area of investigation ranges from approximately 50 to 65 feet bgs.

Following off-site well installation, multiple depth-to-water measurements indicated that water level recovery to static conditions required several hours to days for individual wells. Slow water level recovery following well installation results from the low permeability of the interbedded sand, silt, and clay comprising the uppermost aquifer. In general, moisture was not observed in cuttings

or split-spoon samples recovered from the uppermost aquifer until approximately 65 feet bgs. Monitor wells MW-7ABD, MW-8, and MW-9 were constructed in initially dry borings. In monitor wells MW-8 and MW-9, water levels subsequently rose to elevations above any observed signs of moisture, while MW-7ABD remained dry and was later abandoned. Boring MW-7ABD may represent the northern boundary of the uppermost aquifer at the site.

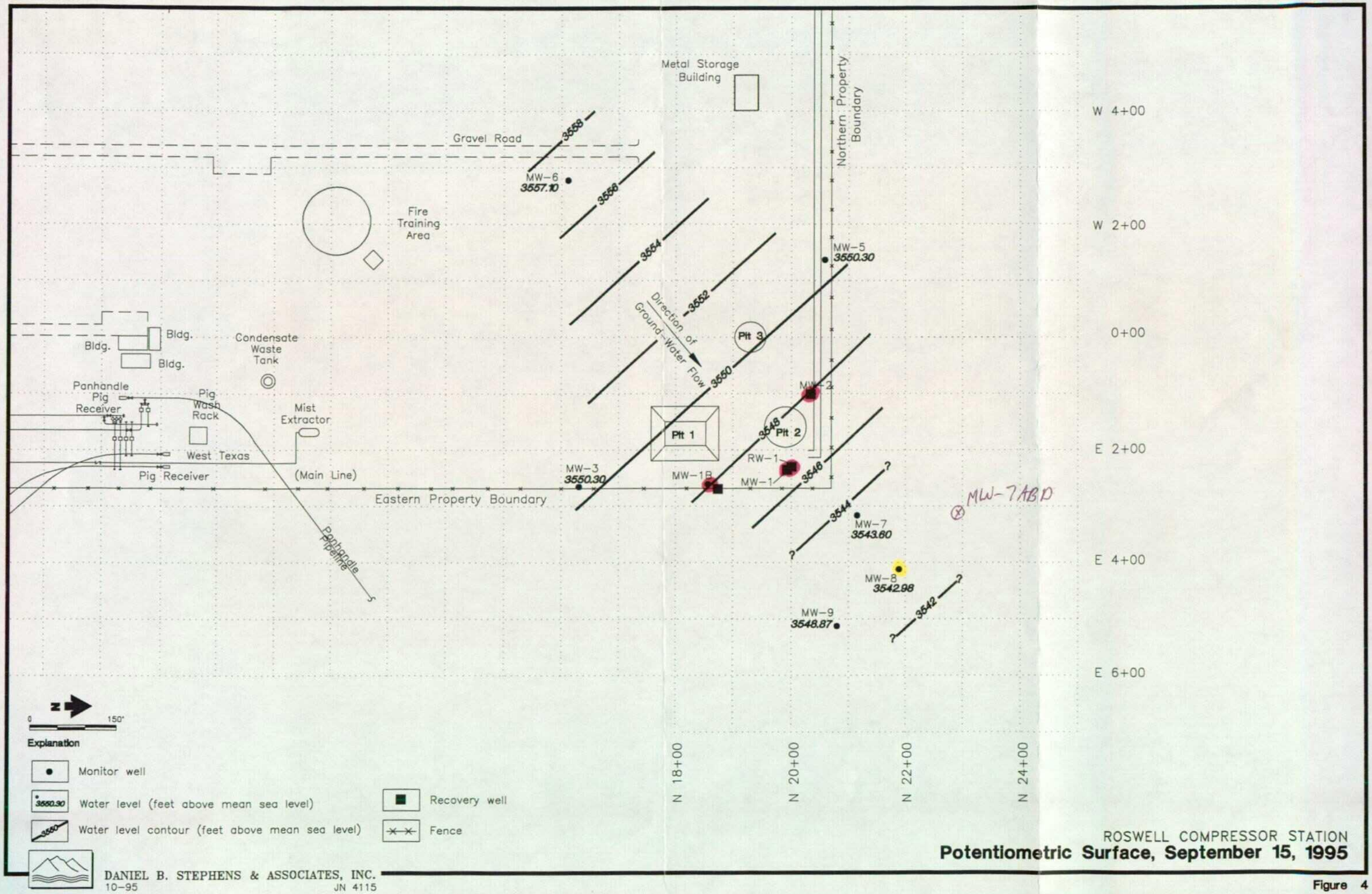
A potentiometric surface map generated from water level measurements taken on September 15, 1995, is depicted in Figure 4. The figure indicates that ground water flows toward the northeast. The hydraulic gradient in the uppermost aquifer averages 0.015 ft/ft. Currently, insufficient data exist to explain the anomalously high water level elevation in monitor well MW-9. Further characterization of the uppermost aquifer will be completed during the Phase II assessment.

4.3.1 Bail-Recovery Tests and Data Analysis

During well development, DBS&A conducted bail-recovery tests on newly installed wells MW-7, MW-8, and MW-9 and redeveloped wells MW-3 and MW-5. The five tests were conducted to obtain preliminary estimates of the in-situ hydraulic conductivity of the uppermost aquifer. The tests provided an expedient means of estimating local hydraulic conductivity (K). The test procedure consisted of bailing each monitor well dry and monitoring the recovery of the water level to the initial static level if practicable. The water level recovery was recorded at frequent intervals using an electronic water level indicator.

The bail-recovery test data were analyzed using an equation developed for recovery from constant rate pumping (Cooper and Jacob, 1946). The solution is a modification of the Theis equation for ground-water flow toward a pumping well. The solution can be applied to late-time data by treating the bail-down tests as short-term pumping tests. Late-time data are used to avoid well bore storage effects, which can significantly distort the early recovery data.

The procedure requires a semilogarithmic graphical plot of residual head or recovery (arithmetic scale) versus the total time since bailing initially began divided by the time since bailing stopped (t/t'). The total recovery over one log cycle and the average bailing rate are used to estimate transmissivity. The calculated transmissivity is then divided by the saturated thickness to estimate



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10-95 JN 4115

ROSWELL COMPRESSOR STATION
Potentiometric Surface, September 15, 1995

Figure 4

the average hydraulic conductivity for the test zone. Recovery data and graphical plots from the bail-recovery test are included in Appendix C.

The estimated values of K for the five tests ranged from 0.03 to 0.85 ft/day with a geometric mean of 0.1 ft/day (Table 5). Estimates of specific yield (S_y) cannot be obtained by this method, but based on the observed grain size distributions and cementation, S_y values are probably on the order of 0.10 to 0.20 for the uppermost aquifer.

Table 5. Summary of Bail-Recovery Tests
Roswell Compressor Station No. 9

Monitor Well	Hydraulic Conductivity[1] (ft/day)
MW-3	0.85
MW-5	0.25
MW-7	0.03
MW-8	0.05
MW-9	0.04
Geometric mean	0.11

[1] Calculated using Cooper-Jacob (1946) modified

4.3.2 Rate of Ground-Water Movement

Average ground-water flow velocities can be estimated by Darcy's Law, using the following equation:

$$v = \frac{K \times i}{n_e}$$

where v = average pore velocity
K = hydraulic conductivity
i = hydraulic gradient
n_e = effective porosity

Assuming an effective porosity of 0.15 (estimated as 50% of total porosity), an average hydraulic gradient of 0.015 ft/ft, and a geometric mean hydraulic conductivity of 0.1 ft/day, the average ground-water velocity at the site is approximately 0.01 ft/day, or 4 ft/yr. This equation provides a potentially high estimate of contaminant transport rates since it does not take into account retardation effects that inhibit contaminant migration.

5. SUMMARY AND RECOMMENDATIONS

This report summarizes the August 15 through 24, 1995, Phase I soil and ground-water assessment undertaken by DBS&A at Transwestern Pipeline Company's Roswell Compressor Station No. 9. The objectives of this Phase I investigation were to characterize the nature of the wastes that remain in the former impoundments and the downgradient impacts to the uppermost aquifer. Based on the data gathered to date, the following conclusions can be made regarding the site hydrogeologic properties and the extent of subsurface contamination near the former surface impoundments:

- Ground water beneath the investigated area is present near the base of the alluvium at approximately 50 to 65 feet bgs. The base of the alluvium is characterized by abundant gypsum beds. Ground-water flow is generally to the northeast; however, anomalously high water level elevations in monitor well MW-9 have not been fully explained.

- Bail-recovery tests indicate that the average hydraulic conductivity of the uppermost aquifer is approximately 0.1 ft/day. The local ground-water velocity is estimated to be roughly 4 ft/yr.

- The waste within the surface impoundments consists primarily of petroleum hydrocarbons containing small quantities of VOCs and SVOCs. TPH concentrations range from less than 50 to 26,000 mg/kg for the analyzed soils. The primary VOCs and SVOCs of concern in the waste impoundments are benzene, 1,1-DCE, methylene chloride, PCE, toluene, and 1,1,1-TCA. No detectable concentrations of PCBs were present in the analyzed soils.

- Field headspace and laboratory analyses indicate that soils within Pits 1 and 2 contain TPH concentrations above the New Mexico OCD regulatory guideline of 100 mg/kg. With the exception of benzene and total BTEX, no regulatory standards or guidance are presently in place for soil contaminants in the State of New Mexico. For comparison purposes, EPA-proposed soil screening guidance and risk-based concentration tables were consulted. The proposed guidelines were not exceeded for SVOCs, PCBs, or

metals. In addition, metal concentrations are within the range reported in the literature for background metals, with the exception of slightly elevated mercury concentrations.

- Field headspace and laboratory analyses indicated the VOC concentrations are below detection limits within soils from off-site borings drilled during the Phase I investigation.

- Detectable organic compounds in monitor wells MW-3, MW-5, MW-6, MW-7, MW-8, and MW-9 were limited to benzene at 6 µg/L in monitor well MW-8 and methyl ethyl ketone and methyl methacrylate at 900 and 5 µg/L, respectively, in monitor well MW-7. Inorganic chemical analyses indicate that ground-water samples from each well, including upgradient monitor well MW-6, exceed the NMWQCC ground-water standards for total dissolved solids, chloride, and sulfate.

- The lateral extent of VOCs is bounded on-site by monitor wells MW-3, MW-5, and MW-6 and downgradient by monitor well MW-8. PSH appears to be limited to the area near on-site recovery wells MW-1, MW-2, MW-1B, and RW-1.

Based on the findings of the Phase I investigation, a Phase II work plan will be prepared to address the lateral and vertical extents of impacted soil and ground water. The list of target analytes should be limited to the VOCs detected during the waste characterization. Lower detection limits can be obtained by submitting VOC samples for analysis by EPA method 8010/8020 (modified). The proposed scope of work for Phase II will include the following:

- Delineation of the lateral and vertical extent of impacted soils beneath and adjacent to Pits 1 and 2.

- Delineation of the two potentially remaining on-site source areas (DBS&A, 1995). Up to four soil borings will be drilled at 50-foot centers on a grid centered at each potential source area.

- Fully define the lateral extent of ground-water contamination within the uppermost aquifer by installing and sampling five additional monitor wells. One downgradient deep monitor

well will also be installed into the San Andres bedrock aquifer to determine whether the bedrock aquifer has been impacted by releases from the former impoundments.

The Phase II investigation will proceed following review and approval of the Phase II work plan by OCD.

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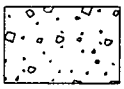
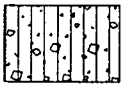
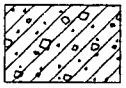
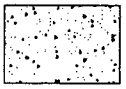
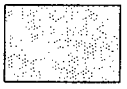
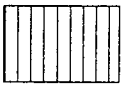
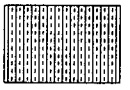
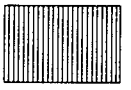
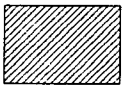
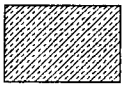
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APPENDIX A

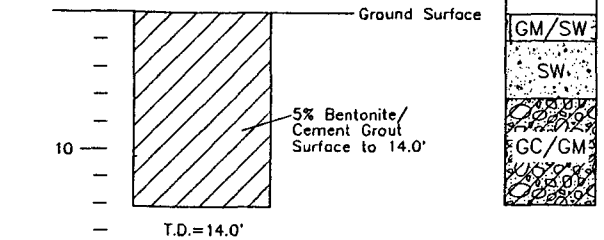
LITHOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

	GW	Well-graded gravels, gravel-sand mixtures, little or no fines
	GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
	GM	Silty gravels, gravel-sand-silt mixtures
	GC	Clayey gravels, gravel-sand-clay mixtures
	SW	Well-graded sands, gravelly sands, little or no fines
	SP	Poorly-graded sands, gravelly sands, little or no fines
	SM	Silty sands, sand-silt mixtures
	SC	Clayey sands, sand-clay mixtures
	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silt with slight plasticity
	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
	OL	Organic silts and organic silty clays of low plasticity
	MH	Elastic silts, sandy silts, and clayey silts with low to moderate plasticity
	CH	Inorganic clays of high plasticity, fat clays
	OH	Organic clays of medium to high plasticity, organic silts

ROSWELL COMPRESSOR STATION

Unified Soil Classification System
Graphic Symbols and General Descriptions
for Soil Boring Logs

4115\4115P1SE.DWG



Feet below ground surface

Graphic Log	PID Reading (ppm)	Sampling Device	Comments and Lithology
GM/SW	75	Split spoon	0–2 – Gravelly sand; light brown (7.5 YR 6/4); poorly sorted; approximately 40% gravel size); sand–silt–gravel backfill; dry; strong petroleum odor
SW	253	Split spoon	2–4 – Gravelly sand; as above (approximately 20% gravels); slightly moist; strong odor
	293	Split spoon	4–6 – As above; wood fragments common; very moist; strong petroleum odor
	326	Split spoon	6–8 – Clayey gravel; pit backfill; no wood present; saturated with a water/oil sludge mixture; very strong odor
	225	Split spoon	8–10 – Same as above
GC/GM	132	Split spoon	10–12 – Same as above
	NA	Split spoon	12–14 – Split spoon sample with brass rings; same as above; encounter native soil at 14'

Hydrologists: J. Kirby
Driller: Harrison Environmental
Date Completed: 8/18/95

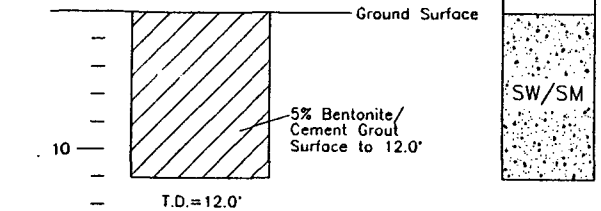
Drilling Method: Hollow stem auger
Bit Diameter: 8.5 in. O.D.

ROSWELL COMPRESSOR STATION

Boring Log: Pit 1, SE

DANIEL B. STEPHENS & ASSOCIATES, INC.
10-13-95 JN 4115

4115\4115P1NW.DWG



Graphic Log	PID Reading (ppm)	Sampling Device	Comments and Lithology
SW/SM	1.3	Split spoon	0–4 – Gravelly silt sand
	1.3	Split spoon	1 – Light brown (7.5 YR 6/4); well-graded, dry, gravel (approximately 20%), silt (approximately 20%)
	13.6	Split spoon	2 – Caliche coating of gravels common; no noticeable petroleum odor
	19.1	Split spoon	4–8 – Same as above; very moist; noticeable hydrocarbon odor; may be backfill over pit contents
	20.4	Split spoon	8–12 – Gravelly sand/sludge; saturated, oil, stained (black) sand; very strong odor; noticeably oily

Feet below ground surface

10 — 20 — 30 — 40 — 50 — 60 — 70 — 80

Hydrologists: J. Kirby
Driller: Harrison Environmental
Date Completed: 8/18/95

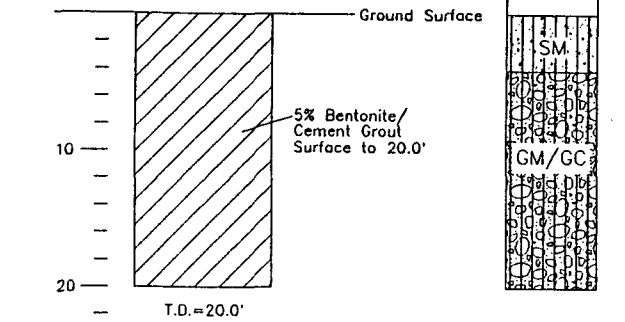
Drilling Method: Hollow stem auger
Bit Diameter: 8.5 in. O.D.

ROSWELL COMPRESSOR STATION

Boring Log: Pit 1, NW

DANIEL B. STEPHENS & ASSOCIATES, INC.
10-19-95
JN 4115

4115\4115P2NE.DWG



Feet below ground surface

10 20 30 40 50 60 70 80

PID Reading (ppm)	Sampling Device	Comments and Lithology
152.8	Split Spoon	4 – Sand; brown (7.5 YR 5/4); well sorted, silty sand; caliche coated gravels to 4 cm diam.; no hydrocarbon odor
159.7	Split Spoon	6 – Gravelly sand; mixture of above (50%) and a fuel/oil stained, black, gravel to sand (approximately 50%); strong fuel–like odor
245.1	Split Spoon	8
341.2	Split Spoon	10 – Sand; approximately 80%, brown (7.5 YR 1 5/4), well sorted sand; 20% caliche clasts; strong fuel odor
180.4	Split Spoon	12–14 – Same as above; caliche–coated rounded gypsum clasts to 4 cm diameter
319.5	Split Spoon	14–16 – Same as above
249.8	Split Spoon	16–18 – Sand; pinkish gray (7.5 YR 7/2); moderately sorted; sand (approximately 80%), 20% black (stained) soil; fuel–like odor
244.0	Split Spoon	18–20 – Gravelly sand; same as above

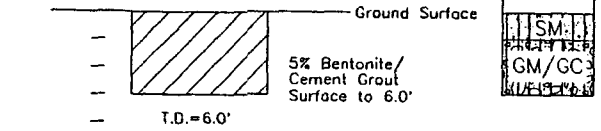
Hydrologists: J. Kirby
Driller: Harrison Environmental
Date Completed: 8/17/95

Drilling Method: Hollow stem auger
Bit Diameter: 8.5 in. O.D.

ROSWELL COMPRESSOR STATION
Boring Log: Pit 2, NE

DANIEL B. STEPHENS & ASSOCIATES, INC.
10-13-95 JN 4115

4115\4115P2SW.DWG



Graphic Log	PID Reading (ppm)	Sampling Device	Comments and Lithology
SM	0.0	Split Spoon	0–2 – Sand; brown (7.5 YR 5/4); well sorted, silty sand; caliche-coated gravels to 4 cm diam. (approximately 30%); noticeable petroleum odor
GM/GC	12.0	Split Spoon	2–4 – Gravelly sand; stained black; former pit contents; strong petroleum odor
	19.1	Split Spoon	4–6 – Sand to gravelly sand; same as 0–2'; black staining present; noticeable petroleum odor

Feet below ground surface

10 20 30 40 50 60 70 80

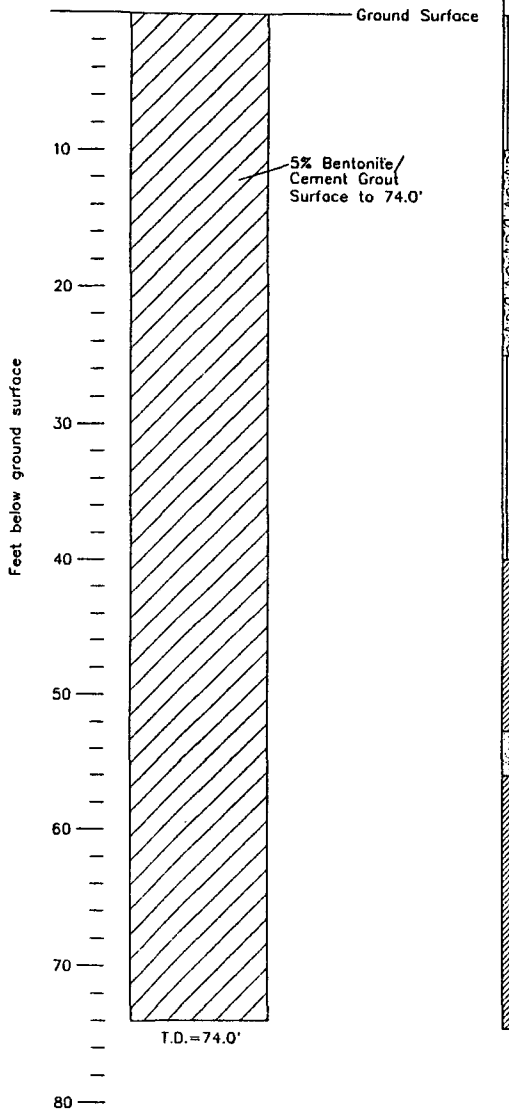
Hydrologists: J. Kirby
Driller: Harrison Environmental
Date Completed: 8/18/95

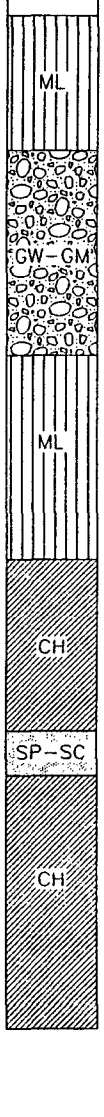
Drilling Method: Hollow stem auger
Bit Diameter: 8.5 in. O.D.

ROSWELL COMPRESSOR STATION
Boring Log: Pit 2, SW

DANIEL B. STEPHENS & ASSOCIATES, INC.
10-13-95
JN 4115

4115\41157ABD.DWG





Graphic Log	PID Reading (ppm)	Sampling Device	Comments and Lithology
	0.0	Grab	5 – Silt; pink (7.5 YR 7/3); very fine-grained to coarse-grained (20%); gravel/cobbles (2–15 mm diam., approximately 5%); poorly sorted; loose; dry; strong reaction to HCL (calcareous); gravel/cobbles composed of limestone
	0.0	Split Spoon	10 – Gravel/cobbles; pink (7.5 YR 7/3) silt to fine-grained sand (15%); gravel/cobbles (2–50 mm diam.); poorly sorted; loose; dry
	0.0	Grab	15 – Same as above, except approximately 20% fines, gravel/cobbles (2–35 mm-diam.)
	0.0	Split Spoon	20 – Same as above
	0.0	Grab	25 – Silt; pink (7.5 YR 7/3); 20–30% gravel/cobbles (2–40 mm diam.), poorly sorted; dry
	0.0	Split Spoon	30 – Same as above, except cobbles to 60 mm diam.
	1.0	Grab	35 – Silt; pink (7.5 YR 7/3); 20–30% gravel/cobbles (2–30 mm diam.); poorly sorted; dry
	0.0	Split Spoon	40 – Clay; dark red (2.5 YR 4/6); high plasticity; stiff; moist to wet; top of clay approximately 38–39' bgs
	0.0	Grab	45 – Same as above, except dry to moist; slow drilling
	0.0	Split Spoon	50 – Clay; dark red (2.5 YR 4/6) coated with white gypsum on outside of core; high plasticity; stiff; moist
	0.0	Grab	55 – Sand; red (2.5 YR 5/6); very fine-grained to fine-grained; <10% clay; moderately sorted; loose; dry to slightly moist; extent of sand approximately 53–56' bgs
	0.0	Split Spoon	60 – Clay; dark red (2.5 YR 4/6); high plasticity; minor sand; stiff; moist; minor black organic streaks; no odor
	0.0	Grab	65 – Same as above
	0.0	Split Spoon	70 – Clay; same as above, except contains gypsum
	0.0	Grab	74 – Clay; same as above

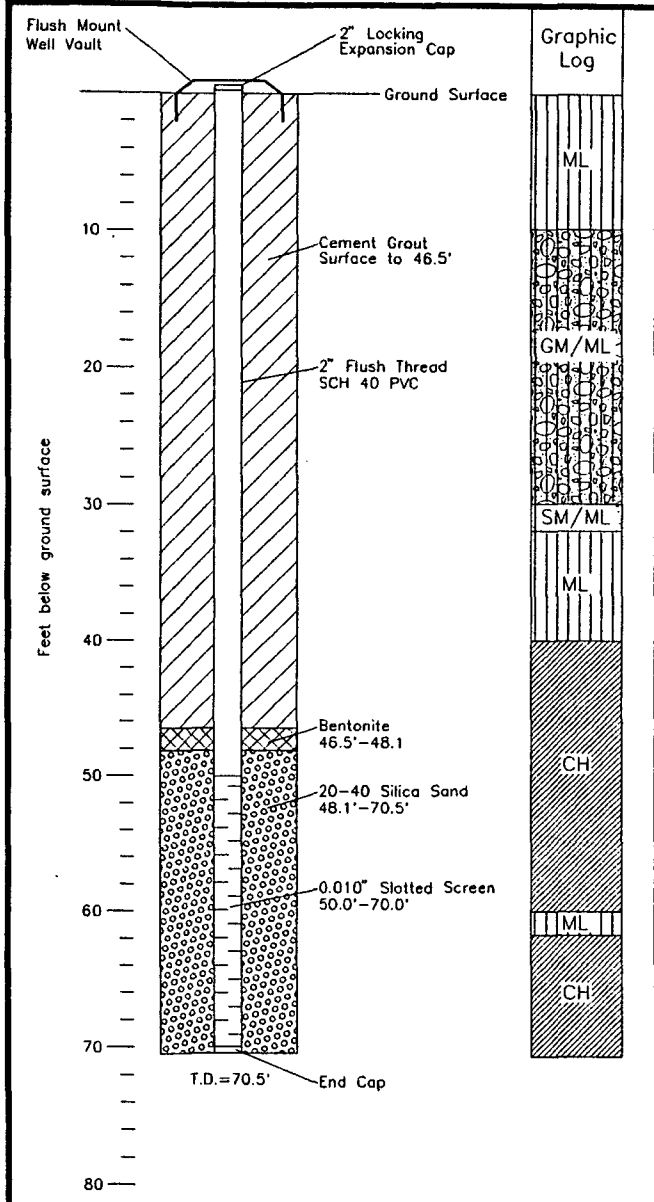
Hydrologists: Marley
Driller: Harrison Environmental
Date Completed: 8/15/95

Drilling Method: Hollow stem auger
Bit Diameter: 8.5 in. O.D.

ROSWELL COMPRESSOR STATION
Boring Log: MW-7ABD

DANIEL B. STEPHENS & ASSOCIATES, INC.
10-13-95 JN 4115

4115\4115MW7.DWG



PID Reading (ppm)	Sampling Device	Comments and Lithology
0.0	Grab	0-5 - Silt; light brown (7.5 YR 6/3); approximately 5% rounded gravels to 2 cm diam.
0.0	Grab	5-10 - Same as above; increased gravel content to approximately 15%
0.0	Split spoon	10-12 - Gravelly silt; pink (7.5 YR 7/3); approximately 15% rounded, caliche-coated gravels to 3 cm diam.; loose; dry
0.0	Grab	15-17 - Same as above; gravel content at approximately 40%; 0.5 cm average diameter of gravels
0.0	Split spoon	20-22 - Same as above
0.0	Grab	25 - silty gravel; 80% rounded gravels to 5 cm (approximately 2 cm average size, caliche coating common)
0.0	Split spoon	30-32 - Gypsum horizon; pink (7.5 YR 7/3); very hard, dry gypsum
0.0	Grab	35-40 - Silt; brown (7.5 YR 5/4); approximately 10% gravels to 1 cm diam.; slightly moist
1.4	Split spoon	40-42 - Silty clay; brown (7.5 YR 4/4); gypsum and calcite common (approximately 20%); very slightly moist; no odor
0.0	Grab	45-50 - Clay; brown (7.5 YR 4/4); rounded 3 mm diam. calcite clasts common; plastic; moist
0.0	Split spoon	50-52 - Clay; as above; no calcite; gypsum indurated throughout (approximately 10%); plastic; moist
1.4	Grab	55-60 - Clay; as above
0.0	Split spoon	60-62 - Gypsum; pink (7.5 YR 7/3); very fine sand to silt-size particles (approximately 80%); angular fragments to 3 cm diameter; dry
0.0	Grab	65-70 - Clay; reddish brown; high plasticity; moist
0.0	Split spoon	70-70.5 - Clayey silt to clay; brown (7.5 YR 4/4); slightly plastic to plastic; very moist

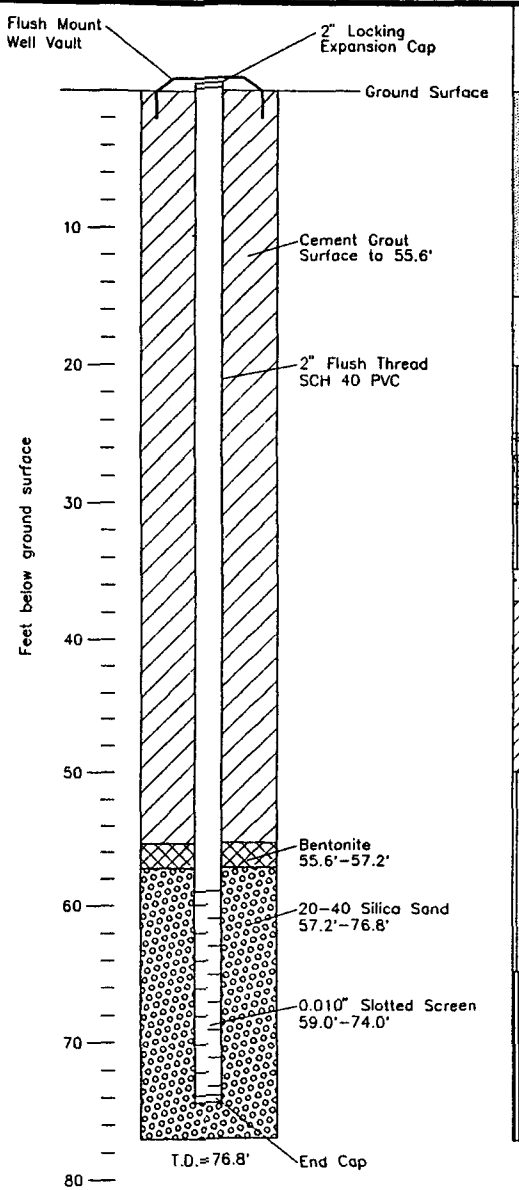
Hydrologists: J. Kirby
Driller: Harrison Environmental
Date Completed: 8/22/95

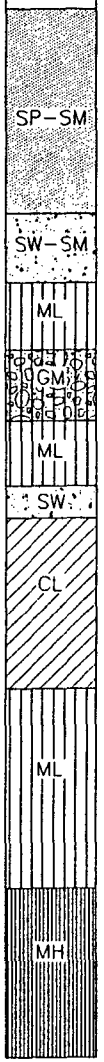
Drilling Method: Hollow stem auger
Bit Diameter: 8.5 in. O.D.

ROSWELL COMPRESSOR STATION
Well Log: MW-7

DANIEL B. STEPHENS & ASSOCIATES, INC.
10-13-95 JN 4115

4115\4115MW8.DWG





PID Reading (ppm)	Sampling Device	Comments and Lithology
0.0	Grab	5 – Sand; reddish brown (5 YR 5/4); very fine-grained to fine-grained; <10% fines; moderately sorted; subangular to subrounded; loose; dry; slight reaction to HCl.
0.0	Split spoon	10 – Same as above, except gypsum present; slightly moist
0.0	Grab	15 – Sand; reddish brown (5 YR 5/4); very fine-grained to fine-grained; 10% fines; moderately sorted; subrounded; subangular gravel (2-5 mm diam., 5%); slight reaction to HCl; slightly moist
0.0	Split spoon	20 – Silt; pink (7.5 YR 7/3); 10% gravel (2-30 mm diam.), which is composed of subangular limestone; poorly sorted; loose; slightly moist
0.0	Grab	25 – Silty gravel; pink (7.5 YR 7/3); >15% silt; gravel is subangular limestone from 2-30 mm diam.; poorly sorted; loose; dry
0.0	Split spoon	30 – Gravelly silt; pink (7.5 YR 7/3); <10% limestone gravel, subangular 2-20 mm diam.; loose; dry; moderate to strong reaction to HCl
0.0	Grab	35 – Sand; light brown (7.5 YR 6/4); very fine-grained to fine-grained; 10-15% limestone gravel (2-25 mm diam.); subangular gravel; subrounded sand; loose; dry; slow drilling at 37', lithological change
0.0	Split spoon	40 – Clay; dusky red (2.5 YR 4/4); medium plasticity; firm; <15% silt; moist
0.0	Grab	45 – Same as above
0.0	Split spoon	50 – Silt; pale red (2.5 YR 7/3); subangular; 2% subrounded coarse grain to gravel (1-3 mm diam.); possibly gypsum; no plasticity; loose; dry; weak reaction to HCl
0.0	Grab	55 – Same as above
0.0	Split spoon	60 – Silt; white (2.5 YR 8/1); well sorted gypsum; loose; dry
0.0	Grab	65 – Sandy silt; pink (7.5 YR 7/3); medium plasticity/elastic; moist; wet at 66'; loose
0.0	Split spoon	70 – Silt; same as above, except slightly consolidated; gypsum
0.0	Split spoon	77 – Silt/gypsum; white (2.5 YR 8/1); slightly consolidated; slightly moist to dry

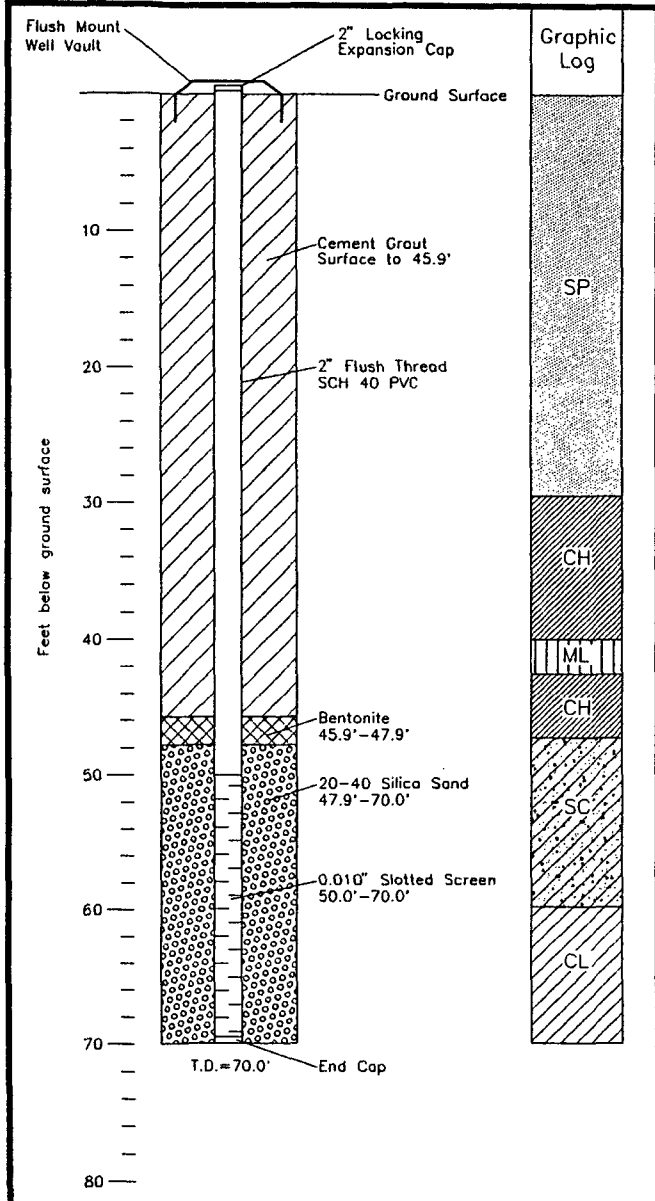
Hydrologists: Marley
Driller: Harrison Environmental
Date Completed: 8/16/95

Drilling Method: Hollow stem auger
Bit Diameter: 8.5 in. O.D.

ROSWELL COMPRESSOR STATION
Well Log: MW-8

DANIEL B. STEPHENS & ASSOCIATES, INC.
10-13-95
JN 4115

4115\4115MW9.DWG



Graphic Log	PID Reading (ppm)	Sampling Device	Comments and Lithology
	0.0	Grab	5 – Sand; light reddish brown (5 YR 6/4); very fine-grained to fine-grained; moderate sorting; subrounded; loose; dry; 2-5% coarse-grain/gravel (2-10 mm diam.); <10% fines; moderate reaction to HCl
	0.0	Split Spoon	10 – Sand; same as above, except fine-grained to medium-grained; 10% coarse grain to gravel (subangular) from 1-20 mm diam.
SP	0.0	Grab	15 – Sand; weak red (2.5 YR 6/4); fine-grained to medium-grained; 2-5% coarse grain gravel; <5% fines; moderate to well sorted; subrounded; loose; dry
	0.0	Split Spoon	20 – Sand; light reddish brown (5 YR 6/4); very fine-grained to fine-grained; 2-5% gravel (2-35 mm diam.) composed of limestone; <5% fines; subrounded; loose, dry
	0.0	Grab	25 – Sand; light reddish brown (5 YR 6/4); fine-grained to coarse grain; poorly sorted; approximately 4% rounded gravels to 10 mm diam., unconsolidated; dry
	0.0	Split Spoon	30 – Clay; reddish brown (5 YR 5/4); moderate to high plasticity; stiff clay; slightly moist
CH	0.0	Grab	35 – Clay; same as above
	0.0	Split Spoon	40 – Clay; same as above; gypsum contact at 40.5'
ML			42.5 – Drilled out of gypsum (top of 40.5) into clay
CH	0.0	Grab	45 – Same as at 30', 35', and 40' descriptions; slow drilling
	0.0	Split Spoon	50 – Gypsum; white (5 YR 8/1); competent; angular fragments due to fracturing by split spoon; dry
SC	0.0	Grab	55 – Sand; light reddish brown (5 YR 6/4); very fine-grained (to silt); poorly sorted; rounded, caliche-coated gypsum clasts to 15 mm
	0.0	Split Spoon	60 – Clay; reddish brown (5 YR 4/4); approximately 30% white gypsum indurated throughout sample
CL			
	0.0	Split Spoon	70 – Total depth

Hydrologists: Marley/Kirby
Driller: Harrison Environmental
Date Completed: 8/18/95

Drilling Method: Hollow stem auger
Bit Diameter: 8.5 in. O.D.

ROSWELL COMPRESSOR STATION
Well Log: MW-9

DANIEL B. STEPHENS & ASSOCIATES, INC.
10-13-96
JN 4115

APPENDIX B

SUMMARY OF ANALYTICAL RESULTS

Summary of Analytical Results for Pit Soil Samples
Roswell Compressor Station No. 9
Page 1 of 7

Analyte	Sample No. (Sample Date)			
	Pit 1 NW Boring (08/18/95)	Pit 1 SE Boring (08/18/95)	Pit 2 NE Boring (08/17/95)	Pit 2 SW Boring (08/18/95)
Volatile Organic Compounds (µg/kg) by EPA Method 8240				
Acetone	**1,400**	<500	<500	<100
Acetonitrile	<500	<500	<500	<100
Acrolein (propenal)	<200	<200	<200	<50
Acrylonitrile	<100	<100	<100	<20
Allyl chloride	<100	<100	<100	<20
Benzene	**210**	**850**	**140**	<5
Benzyl chloride	<20	<20	<20	<5
Bromobenzene	<20	<20	<20	<5
Bromochloromethane	<20	<20	<20	<5
Bromodichloromethane	<20	<20	<20	<5
Bromoform (tribromomethane)	<20	<20	<20	<5
Bromomethane	<50	<50	<50	<10
Methyl ethyl ketone (2-Butanone)	<500	<500	<500	<100
Carbon disulfide	<20	**60**	<20	<5
Carbon tetrachloride	<20	<20	<20	<5
Chlorobenzene	<20	<20	<20	<5
Chloroethane	<50	<50	<50	<10
2-Chloroethylvinyl ether	<20	<20	<20	<5
Chloroform (trichloromethane)	<20	<20	<20	<5
Chloromethane (methyl chloride)	<20	<20	<20	<5
2-Chloro-1,3-butadiene (chloroprene)	<20	<20	<20	<5
Dibromochloromethane (chlorodibromomethane)	<20	<20	<20	<5
1,2-Dibromo-3-chloropropane (DBCP)	<20	<20	<20	<5
1,2-Dibromoethane (ethylene dibromide)	<20	<20	<20	<5
Dibromomethane (methylene bromide)	<20	<20	<20	<5
trans-1,4-Dichloro-2-butene	<200	<200	<200	<50
Dichlorodifluoromethane (Freon 12)	<50	<50	<50	<10
1,1-Dichloroethane (1,1-DCA)	**1,000**	**1,200**	<20	<5
1,2-Dichloroethane (ethylene chloride)	<20	<20	<20	<5

Bold values highlight concentrations above reporting limits

Summary of Analytical Results for Pit Soil Samples
Roswell Compressor Station No. 9
Page 2 of 7

Analyte	Sample No. (Sample Date)			
	Pit 1 NW Boring (08/18/95)	Pit 1 SE Boring (08/18/95)	Pit 2 NE Boring (08/17/95)	Pit 2 SW Boring (08/18/95)
1,1-Dichloroethene (1,1-DCE)	**40**	**40**	<20	<5
cis-1,2-dichloroethene	<20	<20	<20	<5
trans-1,2-Dichloroethene	<20	<20	<20	<5
1,2-Dichloropropane (propylene chloride)	<20	<20	<20	<5
cis-1,3-Dichloropropene	<20	<20	<20	<5
trans-1,3-Dichloropropene	<20	<20	<20	<5
Ethylbenzene	**40**	**370**	**900**	<5
Ethyl methacrylate	<20	<20	<20	<5
2-Hexanone	<20	**460**	<20	<5
Iodomethane	<20	<20	<20	<5
Isobutyl alcohol	<200	<200	<200	<50
Methylacrylonitrile	<200	<200	<200	<50
Methylene chloride (dichloromethane)	<20	**160**	<20	<5
Methyl methacrylate	<20	<20	<20	<5
4-Methyl-2-pentanone (MIBK)	<200	<200	<200	<50
Pentachloroethane	<20	<20	<20	<5
Propionitrile	<500	<500	<500	<100
Styrene	<20	<20	<20	<5
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	<20	<20	<20	<5
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	<20	<20	<20	<5
Tetrachloroethene (PCE)	<20	**40**	<20	**9**
Toluene	**500**	**9,100**	**1,900**	<5
1,1,1-Trichloroethane (1,1,1-TCA)	**1,900**	**16,000**	<20	**17**
1,1,2-Trichloroethane	<20	<20	<20	<5
Trichloroethene (TCE)	<20	<20	<20	<5
Trichlorofluoromethane (Freon 11)	<50	<50	<50	<10
1,2,3-Trichloropropane	<20	<20	<20	<5
Vinyl acetate	**200**	**7,000**	<6,000	<50
Vinyl chloride	<50	<50	<50	<10
Xylene(s)	**270**	**2,400**	**16,000**	<5

Bold values highlight concentrations above reporting limits

Summary of Analytical Results for Pit Soil Samples
Roswell Compressor Station No. 9
Page 3 of 7

Analyte	Sample No. (Sample Date)			
	Pit 1 NW Boring (08/18/95)	Pit 1 SE Boring (08/18/95)	Pit 2 NE Boring (08/17/95)	Pit 2 SW Boring (08/18/95)
Semivolatile Organic Compounds (µg/kg) by EPA Method 8270				
Acenaphthene	<3,300	<3,300	<330	<330
Acenaphthylene	<3,300	<3,300	<330	<330
Acetophenone (methyl phenyl ketone)	<3,300	<3,300	<330	<330
4-Aminobiphenyl	<3,300	<3,300	<330	<330
Aniline	<3,300	<3,300	<330	<330
Anthracene	<3,300	<3,300	<330	<330
Benzidine	<16,500	<16,500	<1,650	<1,650
Benzoic acid	<16,500	<16,500	<1,650	<1,650
Benzo(a)anthracene	<3,300	<3,300	<330	<330
Benzo(b)fluoranthene	<3,300	<3,300	<330	<330
Benzo(j)fluoranthene	<3,300	<3,300	<330	**330**
Benzo(k)fluoranthene	<3,300	<3,300	<330	<330
Benzo(g,h,i)perylene	<3,300	<3,300	<330	<330
Benzo(a)pyrene	<3,300	<3,300	<330	<330
Benzyl alcohol (phenyl methanol)	<6,600	<6,600	<660	<660
Bis(2-chloroethoxy)methane	<3,300	<3,300	<330	<330
Bis(2-chloroethyl)ether	<3,300	<3,300	<330	<330
Bis(2-chloroisopropyl)ether	<3,300	<3,300	<330	<330
Bis(2-ethylhexyl)phthalate	**4,800**	<3,300	<330	<330
4-Bromophenyl phenyl ether	<3,300	<3,300	<330	<330
Butyl benzyl phthalate	<3,300	<3,300	<330	<330
4-Chloroaniline	<3,300	<3,300	<330	<330
Chlorobenzilate	<3,300	<3,300	<330	<330
1-Chloronaphthalene	<3,300	<3,300	<330	<330
2-Chloronaphthalene	<3,300	<3,300	<330	<330
4-Chloro-3-methylphenol	<3,300	<3,300	<330	<330
2-Chlorophenol	<3,300	<3,300	<330	<330
4-Chlorophenyl phenyl ether	<3,300	<3,300	<330	<330
Chrysene	<3,300	<3,300	<330	**330**

Bold values highlight concentrations above reporting limits

Summary of Analytical Results for Pit Soil Samples
Roswell Compressor Station No. 9
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Analyte	Sample No. (Sample Date)			
	Pit 1 NW Boring (08/18/95)	Pit 1 SE Boring (08/18/95)	Pit 2 NE Boring (08/17/95)	Pit 2 SW Boring (08/18/95)
Diallate	<3,300	<3,300	<330	<330
Dibenz(a,j)acridine	<3,300	<3,300	<330	<330
Dibenz(a,h)anthracene	<3,300	<3,300	<330	<330
Dibenzofuran	<3,300	<3,300	<330	<330
Di-n-butyl phthalate	<3,300	<3,300	<330	<330
1,2-Dichlorobenzene	<3,300	<3,300	<330	<330
1,3-Dichlorobenzene	<3,300	<3,300	<330	<330
1,4-Dichlorobenzene	<3,300	<3,300	<330	<330
3,3-Dichlorobenzidine	<3,300	<3,300	<330	<330
2,4-Dichlorophenol	<3,300	<3,300	<330	<330
2,6-Dichlorophenol	<3,300	<3,300	<330	<330
Diethyl phthalate	<3,300	<3,300	<330	<330
p-Dimethylaminoazobenzene	<3,300	<3,300	<330	<330
Phosphorodithionic acid (Dimethoate)	<6,600	<6,600	<660	<660
7,12-Dimethylbenz(a)anthracene	<3,300	<3,300	<330	<330
α-,α-Dimethylphenethylamine	<3,300	<3,300	<330	<330
2,4-Dimethylphenol	<3,300	<3,300	<330	<330
Dimethyl phthalate	<3,300	<3,300	<330	<330
2-Methyl-4,6-dinitrophenol	<16,500	<16,500	<1,650	<1,650
2,4-Dinitrophenol	<16,500	<16,500	<1,650	<1,650
2,4-Dinitrotoluene	<3,300	<3,300	<330	<330
2,6-Dinitrotoluene	<3,300	<3,300	<330	<330
Dinoseb (DNBP)	<3,300	<3,300	<330	<330
Di-n-octyl phthalate	<3,300	<3,300	<330	<330
Diphenylamine	<3,300	<3,300	<330	<330
1,2-Diphenylhydrazine	<3,300	<3,300	<330	<330
Disulfoton	<3,300	<3,300	<330	<330
Ethyl methane sulfonate	<3,300	<3,300	<330	<330
Fluoranthene	<3,300	<3,300	<330	**760**
Fluorene	<3,300	<3,300	<330	<330

Bold values highlight concentrations above reporting limits

Summary of Analytical Results for Pit Soil Samples
Roswell Compressor Station No. 9
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Analyte	Sample No. (Sample Date)			
	Pit 1 NW Boring (08/18/95)	Pit 1 SE Boring (08/18/95)	Pit 2 NE Boring (08/17/95)	Pit 2 SW Boring (08/18/95)
Hexachlorobenzene	<3,300	<3,300	<330	<330
Hexachlorobutadiene	<3,300	<3,300	<330	<330
Hexachlorocyclopentadiene	<3,300	<3,300	<330	<330
Hexachloroethane (perchloroethane)	<3,300	<3,300	<330	<330
Hexachlorophene	<3,300	<3,300	<330	<330
Hexachloropropene	<3,300	<3,300	<330	<330
Indeno(1,2,3-cd)pyrene	<3,300	<3,300	<330	<330
Isodrin	<3,300	<3,300	<330	<330
Isophorone	<3,300	<3,300	<330	<330
Isosafrole	<3,300	<3,300	<330	<330
Kepone	<16,500	<16,500	<1,650	<1,650
Methapyrilene	<3,300	<3,300	<330	<330
3-Methylcholanthrene	<3,300	<3,300	<330	<330
Methyl methane sulfonate	<3,300	<3,300	<330	<330
2-Methylnaphthalene	**4,800**	<3,300	**460**	<330
3&4-Methylphenol (m&p-cresol)	<3,300	<3,300	<330	<330
2-Methylphenol (o-cresol)	<3,300	<3,300	<330	<330
Naphthalene	<3,300	<3,300	<330	<330
1,4-Naphthoquinone	<3,300	<3,300	<330	<330
1-Naphthylamine	<3,300	<3,300	<330	<330
2-Naphthylamine	<3,300	<3,300	<330	<330
2-Nitroaniline (o-Nitroaniline)	<16,500	<16,500	<1,650	<1,650
3-Nitroaniline (m-Nitroaniline)	<16,500	<16,500	<1,650	<1,650
4-Nitroaniline (p-Nitroaniline)	<16,500	<16,500	<1,650	<1,650
Nitrobenzene	<3,300	<3,300	<330	<330
2-Nitrophenol	<3,300	<3,300	<330	<330
4-Nitrophenol	<16,500	<16,500	<1,650	<1,650
4-Nitroquinoline-1-oxide	<3,300	<3,300	<330	<330
n-Nitrosodi-n-butylamine	<3,300	<3,300	<330	<330
n-Nitrosodiethylamine	<3,300	<3,300	<330	<330

Bold values highlight concentrations above reporting limits

Summary of Analytical Results for Pit Soil Samples
Roswell Compressor Station No. 9
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Analyte	Sample No. (Sample Date)			
	Pit 1 NW Boring (08/18/95)	Pit 1 SE Boring (08/18/95)	Pit 2 NE Boring (08/17/95)	Pit 2 SW Boring (08/18/95)
n-Nitrosomethylethylamine	<3,300	<3,300	<330	<330
n-Nitrosomorpholine	<3,300	<3,300	<330	<330
n-Nitrosodimethylamine	<3,300	<3,300	<330	<330
n-Nitrosodiphenylamine	<3,300	<3,300	<330	<330
n-Nitrosodi-n-propylamine	<3,300	<3,300	<330	<330
n-Nitrosopiperidine	<3,300	<3,300	<330	<330
n-Nitrosopyrolidine	<3,300	<3,300	<330	<330
5-Nitro-o-toluidine	<3,300	<3,300	<330	<330
Ethyl parathion	<3,300	<3,300	<330	<330
Pentachlorobenzene	<3,300	<3,300	<330	<330
Pentachloronitrobenzene	<3,300	<3,300	<330	<330
Pentachlorophenol	<16,500	<16,500	<1,650	<1,650
Phenacetin	<3,300	<3,300	<330	<330
Phenanthrene	**5,600**	**5,000**	<330	**450**
Phenol (carbolic acid)	**30,000**	**200,000**	<330	<330
p-Phenylenediamine	<3,300	<3,300	<330	<330
Phorate	<3,300	<3,300	<330	<330
2-Picoline	<3,300	<3,300	<330	<330
Pronamide	<3,300	<3,300	<330	<330
Pyridine (azabenzene)	<3,300	<3,300	<330	<330
Pyrene	<3,300	<3,300	<330	**890**
Safrole	<3,300	<3,300	<330	<330
1,2,4,5-Tetrachlorobenzene	<3,300	<3,300	<330	<330
2,3,4,6-Tetrachlorophenol	<3,300	<3,300	<330	<330
o-Toluidine	<3,300	<3,300	<330	<330
1,2,4-Trichlorobenzene	<3,300	<3,300	<330	<330
2,4,5-Trichlorophenol	<3,300	<3,300	<330	<330
2,4,6-Trichlorophenol	<3,300	<3,300	<330	<330
0,0,0-Triethyl phosphorothioate	<3,300	<3,300	<330	<330
1,3,5-Trinitrobenzene	<3,300	<3,300	<330	<330

Bold values highlight concentrations above reporting limits

Summary of Analytical Results for Pit Soil Samples
Roswell Compressor Station No. 9
Page 7 of 7

Analyte	Sample No. (Sample Date)			
	Pit 1 NW Boring (08/18/95)	Pit 1 SE Boring (08/18/95)	Pit 2 NE Boring (08/17/95)	Pit 2 SW Boring (08/18/95)
PCBs (µg/kg) by EPA Method 8080				
PCB-1016 (Aroclor-1016)	<1,700	<1,700	<1,700	<17
PCB-1221 (Aroclor-1221)	<1,700	<1,700	<1,700	<17
PCB-1232 (Aroclor-1232)	<1,700	<1,700	<1,700	<17
PCB-1242 (Aroclor-1242)	<1,700	<1,700	<1,700	<17
PCB-1248 (Aroclor-1248)	<1,700	<1,700	<1,700	<17
PCB-1254 (Aroclor-1254)	<1,700	<1,700	<1,700	<17
PCB-1260 (Aroclor-1260)	<1,700	<1,700	<1,700	<17
PCB-1262 (Aroclor-1262)	<1,700	<1,700	<1,700	<17
PCB-1268 (Aroclor-1268)	<1,700	<1,700	<1,700	<17
Metals (mg/kg) by EPA Methods 6010 and 7471 (for Mercury)				
Aluminum (Al)	**5,950**	**1,690**	**1,430**	**1,630**
Antimony (Sb)	**10**	<10	<10	<10
Arsenic (As)	**9**	**17**	**6**	<5
Barium (Ba)	**415**	**171**	**233**	**734**
Beryllium (Be)	<0.5	<0.5	**0.5**	<0.5
Cadmium (Cd)	<0.5	<0.5	<0.5	<0.5
Chromium (Cr)	**9**	**9**	**8**	**7**
Cobalt (Co)	<3	<3	<3	<3
Copper (Cu)	**144**	**337**	**56**	**18**
Lead (Pb)	<5	**11**	<5	<5
Mercury (Hg)	**0.59**	**1.36**	<0.10	<0.10
Nickel (Ni)	**9**	**5**	**5**	<4
Selenium (Se)	<10	<10	<10	**10**
Silver (Ag)	<1	<1	<1	<1
Thallium (Tl)	<10	<10	<10	<10
Tin (Sn)	<5	**6**	**5**	<5
Vanadium (V)	**14**	**10**	**21**	**11**
Zinc (Zn)	**97**	**282**	**45**	**34**
Miscellaneous (mg/kg) by EPA Methods 9010, 9030, and 418.1, respectively				
Total cyanide	**1.1**	**1.4**	<0.4	<0.4
Total sulfide	**1,800**	**940**	**530**	**370**
Total petroleum hydrocarbons	**4,700**	**26,000**	**5,300**	<50

Bold values highlight concentrations above reporting limits

Summary of Analytical Results for Soil Samples from Off-Site Soil Borings
Roswell Compressor Station No. 9
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Analyte	Sample No. and Depth (Sample Date)												
	MW-7 10-12' (08/22/95)	MW-7 30-32' (08/22/95)	MW-7 40-42' (08/22/95)	MW-7 50-52' (08/22/95)	MW-7 70-72' (08/22/95)	MW-7ABD 5-10' (08/15/95)	MW-7ABD 40-42' (08/15/95)	MW-7ABD 60-62' (08/15/95)	MW-8 10' (08/16/95)	MW-8 65' (08/16/95)	MW-9 10' (08/16/95)	MW-9 40-42' (08/16/95)	MW-9 60-62' (08/22/95)
Volatile Organic Compounds (µg/kg) by EPA Method 8240													
Acetone	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Acetonitrile	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Acrolein (propenal)	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Acrylonitrile	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Allyl chloride	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzyl chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform (tribromomethane)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl ethyl ketone (2-Butanone)	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloroethylvinyl ether	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform (trichloromethane)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane (methyl chloride)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Chloro-1,3-butadiene (chloroprene)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane (chlorodibromomethane)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

B = Analyte also present in method blank
Bold values highlight concentrations above reporting limits

Summary of Analytical Results for Soil Samples from Off-Site Soil Borings
Roswell Compressor Station No. 9
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Analyte	Sample No. and Depth (Sample Date)												
	MW-7 10-12' (08/22/95)	MW-7 30-32' (08/22/95)	MW-7 40-42' (08/22/95)	MW-7 50-52' (08/22/95)	MW-7 70-72' (08/22/95)	MW-7ABD 5-10' (08/15/95)	MW-7ABD 40-42' (08/15/95)	MW-7ABD 60-62' (08/15/95)	MW-8 10' (08/16/95)	MW-8 65' (08/16/95)	MW-9 10' (08/16/95)	MW-9 40-42' (08/16/95)	MW-9 60-62' (08/22/95)
1,2-Dibromo-3-chloropropane (DBCP)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromoethane (EDB)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane (methylene bromide)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-butene	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Dichlorodifluoromethane (Freon 12)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1-Dichloroethane (1,1-DCA)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane (ethylene chloride)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene (vinylidene chloride)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane (propylene chloride)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethyl methacrylate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Iodomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Isobutyl alcohol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Methylacrylonitrile	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Methylene chloride (dichloromethane)	**6** B	**7** B	**8** B	**8** B	**9** B	<5	<5	<5	<5	<5	<5	<5	**10** B
Methyl methacrylate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Pentachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

B = Analyte also present in method blank
Bold values highlight concentrations above reporting limits

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Summary of Analytical Results for Soil Samples from Off-Site Soil Borings
Roswell Compressor Station No. 9
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Analyte	Sample No. and Depth (Sample Date)												
	MW-7 10-12' (08/22/95)	MW-7 30-32' (08/22/95)	MW-7 40-42' (08/22/95)	MW-7 50-52' (08/22/95)	MW-7 70-72' (08/22/95)	MW-7ABD 5-10' (08/15/95)	MW-7ABD 40-42' (08/15/95)	MW-7ABD 60-62' (08/15/95)	MW-8 10' (08/16/95)	MW-8 65' (08/16/95)	MW-9 10' (08/16/95)	MW-9 40-42' (08/16/95)	MW-9 60-62' (08/22/95)
Propionitrile	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene (PCE)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane (1,1,1-TCA)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene (TCE)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichlorofluoromethane (Freon 11)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2,3-Trichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl acetate	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Vinyl chloride	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylene(s)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Metals (mg/kg) by EPA Methods 6010 and 7471 (for Mercury)													
Arsenic (As)	<5	<5	<5	**7**	**12**	<5	**8**	**5**	<5	<5	**8**	**12**	**14**
Barium (Ba)	**301**	**48**	**30**	**157**	**102**	**319**	**210**	**165**	**95**	**8**	**151**	**176**	**76**
Chromium (Cr)	**6**	**11**	**9**	**19**	**16**	**7**	**16**	**14**	**8**	**5**	**7**	**13**	**15**
Lead (Pb)	<5	**6**	**5**	**6**	**11**	<5	**18**	**8**	<5	<5	<5	**5**	**5**
Mercury (Hg)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**0.42**	**0.12**	<0.10	<0.10	<0.10	<0.10

B = Analyte also present in method blank
Bold values highlight concentrations above reporting limits

Summary of Analytical Results for Ground-Water Samples
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Analyte	Monitor Well (Sample Date)					
	MW-3 (08/22/95)	MW-5 (08/22/95)	MW-6 (08/22/95)	MW-7 (08/23/95)	MW-8 (08/22/95)	MW-9 (08/23/95)
Volatile Organic Compounds (µg/L) by EPA Method 8240						
Acetone	<100	<100	<100	<100	<100	<100
Acetonitrile	<100	<100	<100	<100	<100	<100
Acrolein (propenal)	<50	<50	<50	<50	<50	<50
Acrylonitrile	<20	<20	<20	<20	<20	<20
Allyl chloride	<20	<20	<20	<20	<20	<20
Benzene	<5	<5	<5	<5	**6**	<5
Benzyl chloride	<5	<5	<5	<5	<5	<5
Bromobenzene	<5	<5	<5	<5	<5	<5
Bromochloromethane	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5
Bromoform (tribromomethane)	<5	<5	<5	<5	<5	<5
Bromomethane	<10	<10	<10	<10	<10	<10
Methyl ethyl ketone (2-Butanone)	<100	<100	<100	**900**	<100	<100
Carbon disulfide	<5	<5	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5
Chloroethane	<10	<10	<10	<10	<10	<10
2-Chloroethylvinyl ether	<5	<5	<5	<5	<5	<5
Chloroform (trichloromethane)	<5	<5	<5	<5	<5	<5
Chloromethane (methyl chloride)	<5	<5	<5	<5	<5	<5
2-Chloro-1,3-butadiene (chloroprene)	<5	<5	<5	<5	<5	<5
Dibromochloromethane (chlorodibromomethane)	<5	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane (DBCP)	<20	<20	<20	<20	<20	<20
1,2-Dibromoethane (EDB)	<20	<20	<20	<20	<20	<20
Dibromomethane (methylene bromide)	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-butene	<50	<50	<50	<50	<50	<50
Dichlorodifluoromethane (Freon 12)	<10	<10	<10	<10	<10	<10
1,1-Dichloroethane (1,1-DCA)	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane (ethylene chloride)	<5	<5	<5	<5	<5	<5

Bold values highlight concentrations above reporting limits.

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Analyte	Monitor Well (Sample Date)					
	MW-3 (08/22/95)	MW-5 (08/22/95)	MW-6 (08/22/95)	MW-7 (08/23/95)	MW-8 (08/22/95)	MW-9 (08/23/95)
1,1-Dichloroethene (1,1-DCE)	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane (propylene chloride)	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5
Ethyl methacrylate	<5	<5	<5	<5	<5	<5
2-Hexanone	<50	<50	<50	<50	<50	<50
Iodomethane	<5	<5	<5	<5	<5	<5
Isobutyl alcohol	<50	<50	<50	<50	<50	<50
Methylacrylonitrile	<50	<50	<50	<50	<50	<50
Methylene chloride (dichloromethane)	<5	<5	<5	<5	<5	<5
Methyl methacrylate	<5	<5	<5	**5**	<5	<5
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	<50	<50
Pentachloroethane	<5	<5	<5	<5	<5	<5
Propionitrile	<100	<100	<100	<100	<100	<100
Styrene	<5	<5	<5	<5	<5	<5
1,1,1,2-Tetrachloroethane (1,1,1,2-PCA)	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	<5	<5	<5	<5	<5	<5
Tetrachloroethene (PCE)	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane (1,1,1-TCA)	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5
Trichloroethene (TCE)	<5	<5	<5	<5	<5	<5
Trichlorofluoromethane (Freon 11)	<10	<10	<10	<10	<10	<10
1,2,3-Trichloropropane	<5	<5	<5	<5	<5	<5
Vinyl acetate	<50	<50	<50	<50	<50	<50
Vinyl chloride	<10	<10	<10	<10	<10	<10
Xylene(s)	<5	<5	<5	<5	<5	<5

Bold values highlight concentrations above reporting limits.

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Analyte	Monitor Well (Sample Date)					
	MW-3 (08/22/95)	MW-5 (08/22/95)	MW-6 (08/22/95)	MW-7 (08/23/95)	MW-8 (08/22/95)	MW-9 (08/23/95)
Semivolatile Organic Compounds (µg/L) by EPA Method 8270						
Acenaphthene	<10	<10	<10	<10	<10	<10
Acenaphthylene	<10	<10	<10	<10	<10	<10
Acetophenone (methyl phenyl ketone)	<10	<10	<10	<10	<10	<10
4-Aminobiphenyl	<10	<10	<10	<10	<10	<10
Aniline	<10	<10	<10	<10	<10	<10
Anthracene	<10	<10	<10	<10	<10	<10
Benzidine	<50	<50	<50	<50	<50	<50
Benzoic acid	<50	<50	<50	<50	<50	<50
Benzo(a)anthracene	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	<10	<10
Benzo(j)fluoranthene	<10	<10	<10	<10	<10	<10
Benzo(k)fluoranthene	<10	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene	<10	<10	<10	<10	<10	<10
Benzo(a)pyrene	<10	<10	<10	<10	<10	<10
Benzyl alcohol (phenyl methanol)	<10	<10	<10	<10	<10	<10
Bis(2-chloroethoxy)methane	<10	<10	<10	<10	<10	<10
Bis(2-chloroethyl)ether	<10	<10	<10	<10	<10	<10
Bis(2-chloroisopropyl)ether	<10	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)phthalate	<10	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether	<10	<10	<10	<10	<10	<10
Butyl benzyl phthalate	<10	<10	<10	<10	<10	<10
4-Chloroaniline	<10	<10	<10	<10	<10	<10
Chlorobenzilate	<10	<10	<10	<10	<10	<10
1-Chloronaphthalene	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10
2-Chlorophenol	<10	<10	<10	<10	<10	<10
4-Chlorophenyl phenyl ether	<10	<10	<10	<10	<10	<10
Chrysene	<10	<10	<10	<10	<10	<10

Bold values highlight concentrations above reporting limits.

Summary of Analytical Results for Ground-Water Samples
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Analyte	Monitor Well (Sample Date)					
	MW-3 (08/22/95)	MW-5 (08/22/95)	MW-6 (08/22/95)	MW-7 (08/23/95)	MW-8 (08/22/95)	MW-9 (08/23/95)
Diallate	<10	<10	<10	<10	<10	<10
Dibenz(a,j)acridine	<10	<10	<10	<10	<10	<10
Dibenz(a,h)anthracene	<10	<10	<10	<10	<10	<10
Dibenzofuran	<10	<10	<10	<10	<10	<10
Di-n-butyl phthalate	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	<10	<10	<10	<10	<10	<10
1,3-Dichlorobenzene	<10	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	<10	<10	<10	<10	<10	<10
3,3-Dichlorobenzidine	<20	<20	<20	<20	<20	<20
2,4-Dichlorophenol	<10	<10	<10	<10	<10	<10
2,6-Dichlorophenol	<10	<10	<10	<10	<10	<10
Diethyl phthalate	<10	<10	<10	<10	<10	<10
p-Dimethylaminoazobenzene	<10	<10	<10	<10	<10	<10
Phosphorodithionic acid (Dimethoate)	<20	<20	<20	<20	<20	<20
7,12-Dimethylbenz(a)anthracene	<10	<10	<10	<10	<10	<10
α-,α-Dimethylphenethylamine	<10	<10	<10	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10
Dimethyl phthalate	<10	<10	<10	<10	<10	<10
2-Methyl-4,6-dinitrophenol	<50	<50	<50	<50	<50	<50
2,4-Dinitrophenol	<50	<50	<50	<50	<50	<50
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<10	<10
Dinoseb (DNBP)	<20	<20	<20	<20	<20	<20
Di-n-octyl phthalate	<10	<10	<10	<10	<10	<10
Diphenylamine	<10	<10	<10	<10	<10	<10
1,2-Diphenylhydrazine	<10	<10	<10	<10	<10	<10
Disulfoton	<10	<10	<10	<10	<10	<10
Ethyl methane sulfonate	<20	<20	<20	<20	<20	<20
Fluoranthene	<10	<10	<10	<10	<10	<10
Fluorene	<10	<10	<10	<10	<10	<10

Bold values highlight concentrations above reporting limits.

Summary of Analytical Results for Ground-Water Samples
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Analyte	Monitor Well (Sample Date)					
	MW-3 (08/22/95)	MW-5 (08/22/95)	MW-6 (08/22/95)	MW-7 (08/23/95)	MW-8 (08/22/95)	MW-9 (08/23/95)
Hexachlorobenzene	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10
Hexachloroethane (perchloroethane)	<10	<10	<10	<10	<10	<10
Hexachlorophene	<100	<100	<100	<100	<100	<100
Hexachloropropene	<10	<10	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene	<10	<10	<10	<10	<10	<10
Isodrin	<10	<10	<10	<10	<10	<10
Isophorone	<10	<10	<10	<10	<10	<10
Isosafrole	<10	<10	<10	<10	<10	<10
Kepone	<50	<50	<50	<50	<50	<50
Methapyrilene	<10	<10	<10	<10	<10	<10
3-Methylcholanthrene	<10	<10	<10	<10	<10	<10
Methyl methane sulfonate	<10	<10	<10	<10	<10	<10
2-Methylnaphthalene	<10	<10	<10	<10	<10	<10
3&4-Methylphenol (m&p-cresol)	<10	<10	<10	<10	<10	<10
2-Methylphenol (o-cresol)	<10	<10	<10	<10	<10	<10
Naphthalene	<10	<10	<10	<10	<10	<10
1,4-Naphthoquinone	<10	<10	<10	<10	<10	<10
1-Naphthylamine	<10	<10	<10	<10	<10	<10
2-Naphthylamine	<10	<10	<10	<10	<10	<10
2-Nitroaniline (o-Nitroaniline)	<50	<50	<50	<50	<50	<50
3-Nitroaniline (m-Nitroaniline)	<50	<50	<50	<50	<50	<50
4-Nitroaniline (p-Nitroaniline)	<50	<50	<50	<50	<50	<50
Nitrobenzene	<10	<10	<10	<10	<10	<10
2-Nitrophenol	<10	<10	<10	<10	<10	<10
4-Nitrophenol	<50	<50	<50	<50	<50	<50
4-Nitroquinoline-1-oxide	<10	<10	<10	<10	<10	<10
n-Nitrosodi-n-butylamine	<10	<10	<10	<10	<10	<10
n-Nitrosodiethylamine	<10	<10	<10	<10	<10	<10

Bold values highlight concentrations above reporting limits.

Summary of Analytical Results for Ground-Water Samples
Roswell Compressor Station No. 9

Analyte	Monitor Well (Sample Date)					
	MW-3 (08/22/95)	MW-5 (08/22/95)	MW-6 (08/22/95)	MW-7 (08/23/95)	MW-8 (08/22/95)	MW-9 (08/23/95)
n-Nitrosomethylethylamine	<10	<10	<10	<10	<10	<10
n-Nitrosomorpholine	<10	<10	<10	<10	<10	<10
n-Nitrosodimethylamine	<10	<10	<10	<10	<10	<10
n-Nitrosodiphenylamine	<10	<10	<10	<10	<10	<10
n-Nitrosodi-n-propylamine	<10	<10	<10	<10	<10	<10
n-Nitrosopiperidine	<10	<10	<10	<10	<10	<10
n-Nitrosopyrolidine	<10	<10	<10	<10	<10	<10
5-Nitro-o-toluidine	<10	<10	<10	<10	<10	<10
Ethyl parathion	<10	<10	<10	<10	<10	<10
Pentachlorobenzene	<10	<10	<10	<10	<10	<10
Pentachloronitrobenzene	<10	<10	<10	<10	<10	<10
Pentachlorophenol	<50	<50	<50	<50	<50	<50
Phenacetin	<10	<10	<10	<10	<10	<10
Phenanthrene	<10	<10	<10	<10	<10	<10
Phenol (carbolic acid)	<10	<10	<10	<10	<10	<10
p-Phenylenediamine	<10	<10	<10	<10	<10	<10
Phorate	<10	<10	<10	<10	<10	<10
2-Picoline	<10	<10	<10	<10	<10	<10
Pronamide	<10	<10	<10	<10	<10	<10
Pyridine (azabenzene)	<10	<10	<10	<10	<10	<10
Pyrene	<10	<10	<10	<10	<10	<10
Safrole	<10	<10	<10	<10	<10	<10
1,2,4,5-Tetrachlorobenzene	<10	<10	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol	<10	<10	<10	<10	<10	<10
o-Toluidine	<10	<10	<10	<10	<10	<10
1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10
0,0,0-Triethyl phosphorothioate	<10	<10	<10	<10	<10	<10
1,3,5-Trinitrobenzene	<10	<10	<10	<10	<10	<10

Bold values highlight concentrations above reporting limits.

Summary of Analytical Results for Ground-Water Samples
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Analyte	Monitor Well (Sample Date)					
	MW-3 (08/22/95)	MW-5 (08/22/95)	MW-6 (08/22/95)	MW-7 (08/23/95)	MW-8 (08/22/95)	MW-9 (08/23/95)
Organochlorine Pesticides/PCBs (µg/L) by EPA Method 8080						
Aldrin	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
α-BHC (benzene hexachloride)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
β-BHC (benzene hexachloride)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
δ-BHC (benzene hexachloride)	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
γ-BHC (benzene hexachloride)(Lindane)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Chlordane	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
4,4'-DDD	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
4,4'-DDE	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
4,4'-DDT	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Dieldrin	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endosulfan I	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Endosulfan II	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Endosulfan sulfate	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
Endrin	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Endrin aldehyde	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Heptachlor	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Heptachlor epoxide	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
Methoxychlor	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Toxaphene	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
PCB-1016 (Aroclor-1016)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB-1221 (Aroclor-1221)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB-1232 (Aroclor-1232)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB-1242 (Aroclor-1242)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB-1248 (Aroclor-1248)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB-1254 (Aroclor-1254)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCB-1260 (Aroclor-1260)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Metals[1] (mg/L) by EPA Methods 6010 and 7470 (for Mercury)						
Aluminum (Al)	**0.24**	**0.38**	**0.69**	**1.39**	**0.33**	**3.13**
Antimony (Sb)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Bold values highlight concentrations above reporting limits

[1] Total metal concentrations determined on unfiltered samples

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Analyte	Monitor Well (Sample Date)					
	MW-3 (08/22/95)	MW-5 (08/22/95)	MW-6 (08/22/95)	MW-7 (08/23/95)	MW-8 (08/22/95)	MW-9 (08/23/95)
Arsenic (As)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Barium (Ba)	<0.01	<0.01	<0.01	**0.02**	<0.01	**0.04**
Beryllium (Be)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium (Cd)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (Cr)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Copper (Cu)	<0.01	<0.01	<0.01	<0.01	<0.01	**0.01**
Lead (Pb)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mercury (Hg)	**0.0002**	<0.0002	**0.0005**	**0.0004**	**0.0003**	**0.0005**
Nickel (Ni)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Selenium (Se)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver (Ag)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (Tl)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tin (Sn)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium (V)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc (Zn)	**0.03**	**0.01**	**0.03**	**0.02**	**0.01**	**0.03**
Indicator Parameters (mg/L) *(EPA methods shown in parentheses)*						
Bicarbonate (2320B)	**142**	**149**	**134**	**166**	**163**	**151**
Carbonate (2320B)	<1	<1	<1	<1	<1	<1
Hydroxide (2320B)	<1	<1	<1	<1	<1	<1
Calcium (6010)	**587**	**623**	**458**	**668**	**587**	**896**
Chloride (325.2)	**405**	**574**	**344**	**284**	**362**	**391**
Cyanide (9010)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Magnesium (6010)	**136**	**145**	**148**	**235**	**193**	**232**
Nitrate + nitrite as N (353.2)	**0.80**	**3.10**	**1.00**	**0.12**	**0.10**	**0.38**
Potassium (6010)	**3.2**	**3.8**	**3.9**	**8.2**	**3.7**	**17**
Sodium (6010)	**215**	**204**	**124**	**149**	**117**	**230**
Sulfate (375.2)	**1,800**	**1,800**	**1,600**	**2,000**	**2,000**	**2,200**
Sulfide (376.2)	<0.05	<0.05	<0.05	**0.08**	<0.05	**0.10**
Total alkalinity (as $CaCO_3$) (310.1)	**116**	**122**	**110**	**136**	**134**	**124**
Total dissolved solids (160.1)	**3,650**	**3,440**	**2,800**	**3,640**	**3,640**	**4,060**

Bold values highlight concentrations above reporting limits

APPENDIX C

BAIL-RECOVERY TEST ANALYSIS

Monitor Well MW-03 Bail-Recovery Test

Date:	08/16/95	
Initial depth to water:	64.59	(Ft.)
Total depth of well:	70.00	(Ft.)
Start Bailing:	16:00:00	
Stop Bailing:	17:55:00	
Purge volume:	20.00	(Gal.)

Elapse Time (minutes)	Displacement (feet)
3.00	1.31
7.08	1.11
9.02	0.91
11.25	0.71
15.50	0.51
20.55	0.31

Monitor Well MW-05 Bail-Recovery Test

Date:	08/16/95	
Initial depth to water:	62.46	(Ft.)
Total depth of well:	70.00	(Ft.)
Start Bailing:	14:44:00	
Stop Bailing:	16:00:00	
Purge volume:	21.00	(Gal.)

Elapse Time (minutes)	Displacement (feet)
7.67	2.44
8.50	2.09
9.12	1.84
9.67	1.64
10.33	1.44
11.00	1.24
11.92	1.04
13.50	0.79
15.27	0.59
15.87	0.54
17.00	0.44
18.48	0.34
20.77	0.24
23.18	0.19
27.80	0.14

Monitor Well MW-07 Bail-Recovery Test

Date:	08/23/95	
Initial depth to water:	63.3	(Ft.)
Total depth of well:	70.00	(Ft.)
Start Bailing:	09:10:00	
Stop Bailing:	09:35:00	
Purge volume:	3.50	(Gal.)

Elapse Time (minutes)	Displacement (feet)
3.23	4.30
5.40	4.20
8.60	4.10
12.50	4.00
17.27	3.90
23.83	3.80
30.42	3.70
38.78	3.60
56.23	3.40
68.23	3.30
78.28	3.20
90.73	3.10
103.52	3.00
116.80	2.90
130.92	2.80
145.73	2.70
162.13	2.60
179.08	2.50
210.42	2.30
226.95	2.20
242.35	2.10
254.75	2.00
266.00	1.90
280.75	1.75
287.33	1.70
297.93	1.60
309.67	1.50

Monitor Well MW-08 Bail-Recovery Test

Date:	08/17/95	
Initial depth to water:	54.6	(Ft.)
Total depth of well:	74.00	(Ft.)
Start Bailing:	17:11:00	
Stop Bailing:	18:17:00	
Purge volume:	15.00	(Gal.)

Elapse Time (minutes)	Displacement (feet)
2.25	8.06
3.32	7.90
4.07	7.80
4.80	7.70
5.63	7.60
6.50	7.50
7.35	7.40
8.20	7.30
9.10	7.20
10.08	7.10
11.10	7.00
13.15	6.80
15.28	6.60
17.60	6.40
20.10	6.20
21.67	6.10
23.05	6.00
24.50	5.90
25.87	5.80
27.23	5.70
28.92	5.60
30.67	5.50
31.85	5.40
33.12	5.30
34.13	5.20
35.33	5.10
36.40	5.00
37.58	4.90

Monitor Well MW-09 Bail-Recovery Test (Page 1 of 2)

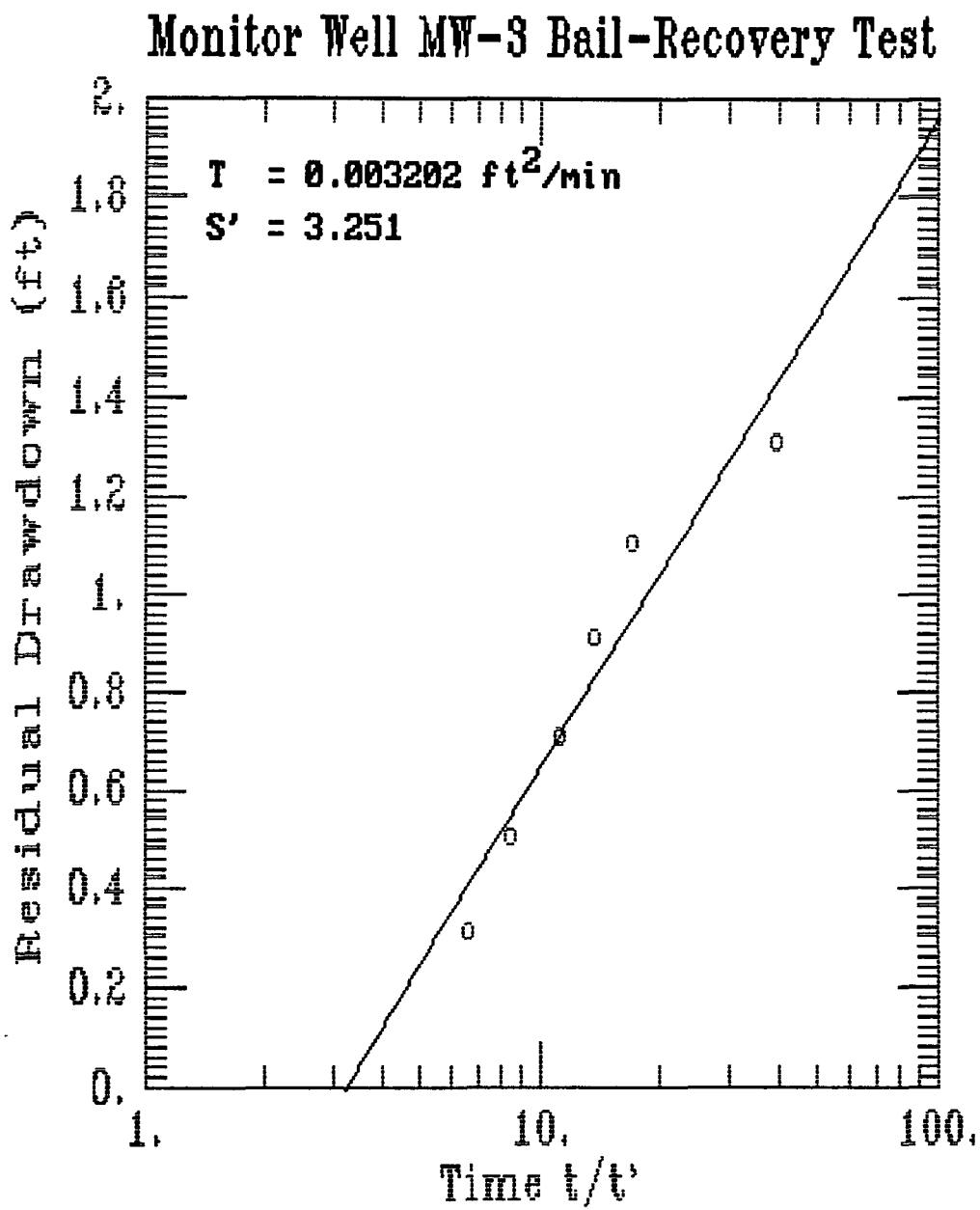
Date:	08/22/95	
Initial depth to water:	50.7	(Ft.)
Total depth of well:	70.00	(Ft.)
Start Bailing:	16:00:00	
Stop Bailing:	17:20:00	
Purge volume:	17.00	(Gal.)

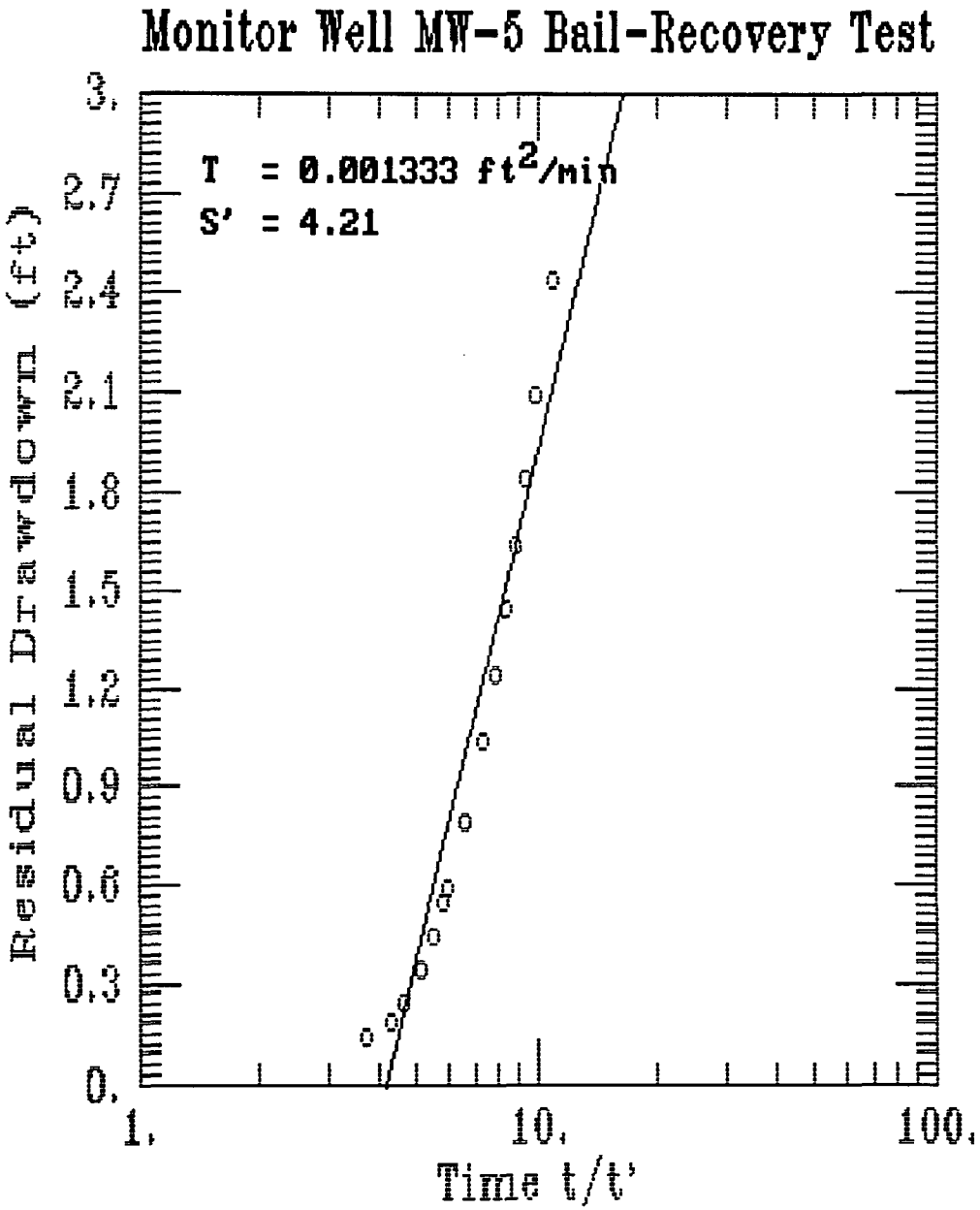
Elapse Time (minutes)	Displacement (feet)
10.50	13.40
10.63	13.30
10.90	13.20
11.22	13.10
11.48	13.00
11.78	12.90
12.08	12.80
12.42	12.70
12.78	12.60
13.08	12.50
13.42	12.40
13.78	12.30
14.18	12.20
14.53	12.10
14.93	12.00
15.17	11.90
15.68	11.80
16.12	11.70
16.53	11.60
16.95	11.50
17.40	11.40
17.80	11.30
18.30	11.20
18.78	11.10
19.30	11.00
19.82	10.90
20.32	10.80
20.52	10.70
21.33	10.60
21.93	10.50
22.57	10.40
23.12	10.30
23.72	10.20
24.33	10.10
24.98	10.00
25.65	9.90

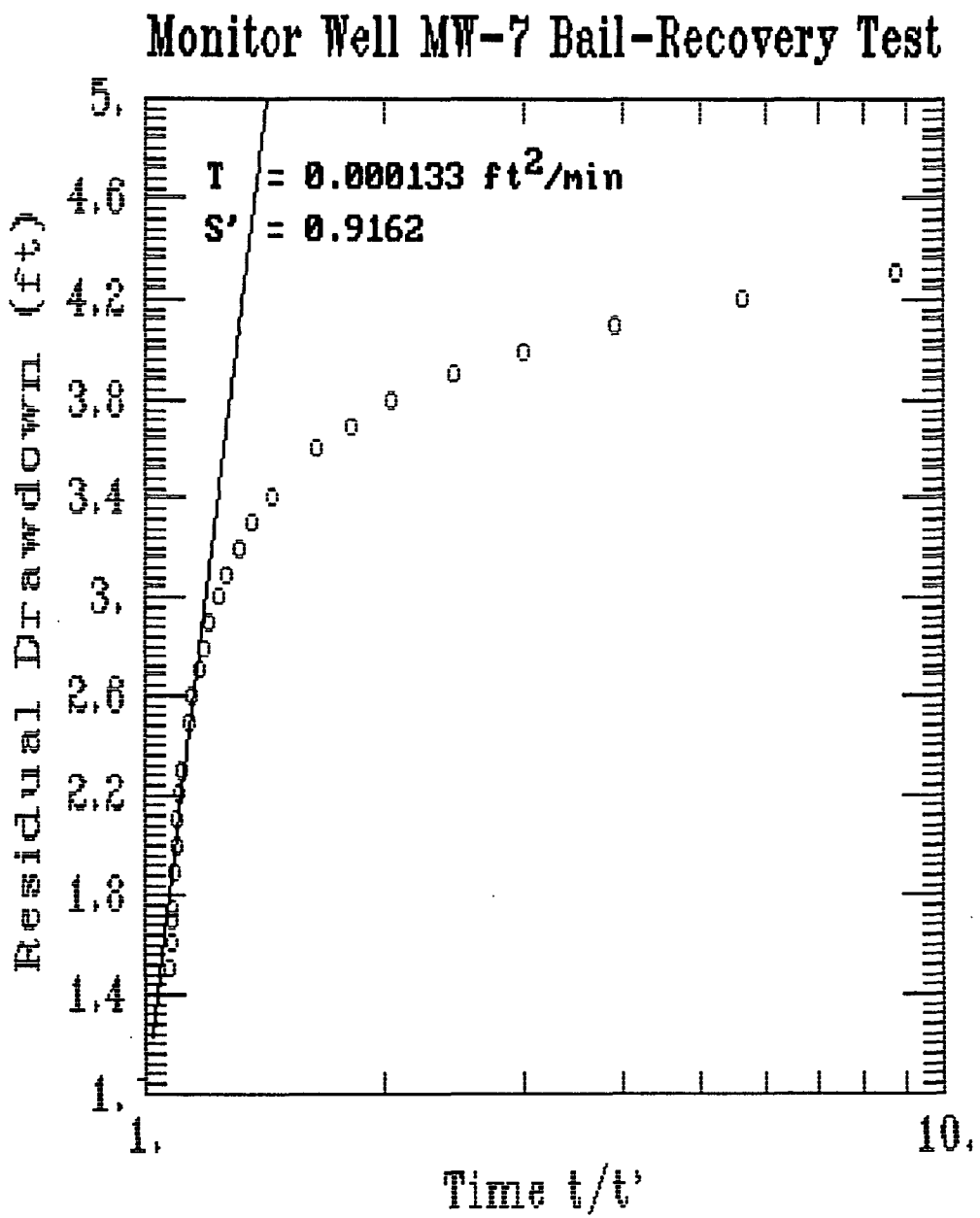
Monitor Well MW-09 Bail-Recovery Test (Page 2 of 2)

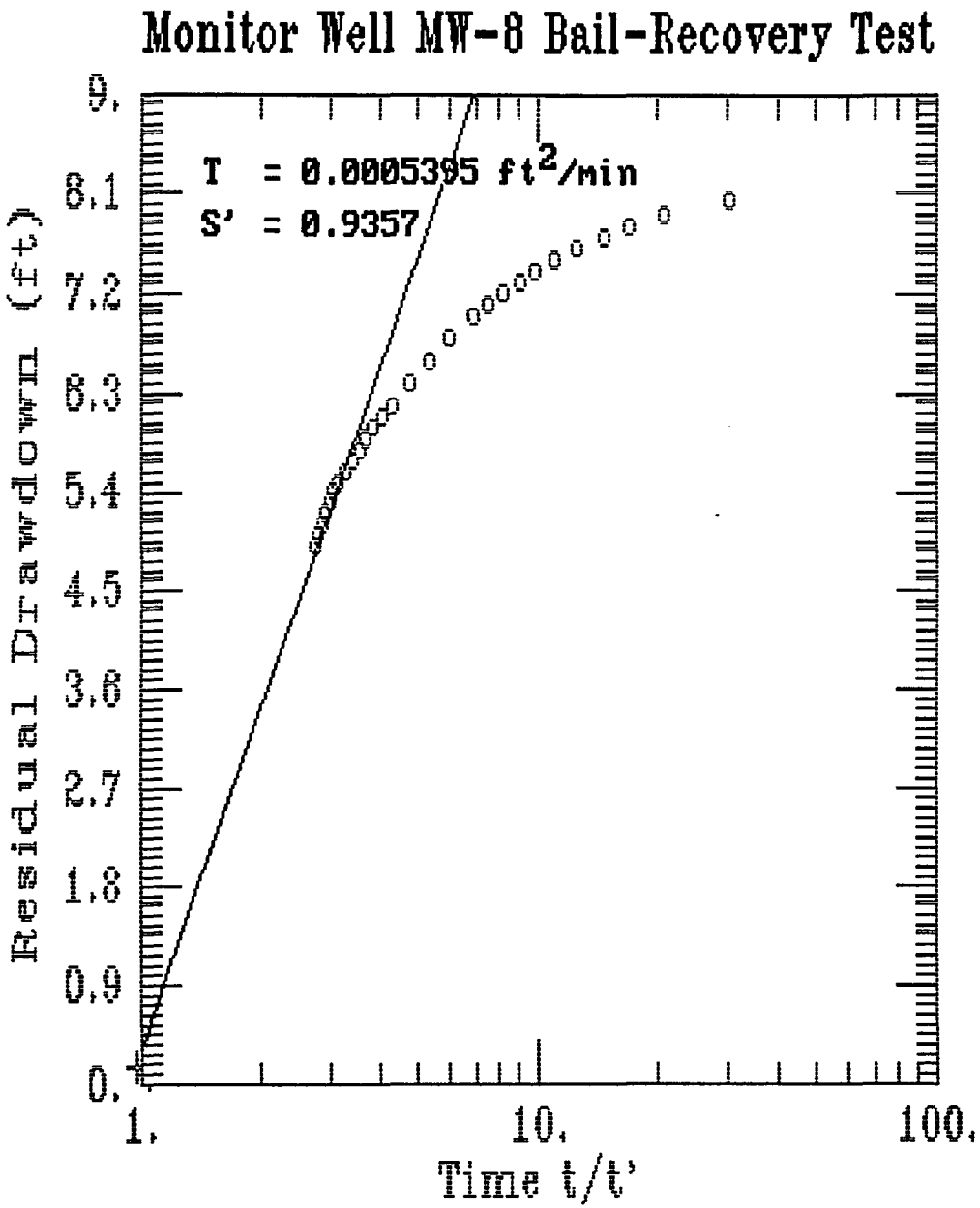
Date:	08/22/95	
Initial depth to water:	50.7	(Ft.)
Total depth of well:	70.00	(Ft.)
Start Bailing:	16:00:00	
Stop Bailing:	17:20:00	
Purge volume:	17.00	(Gal.)

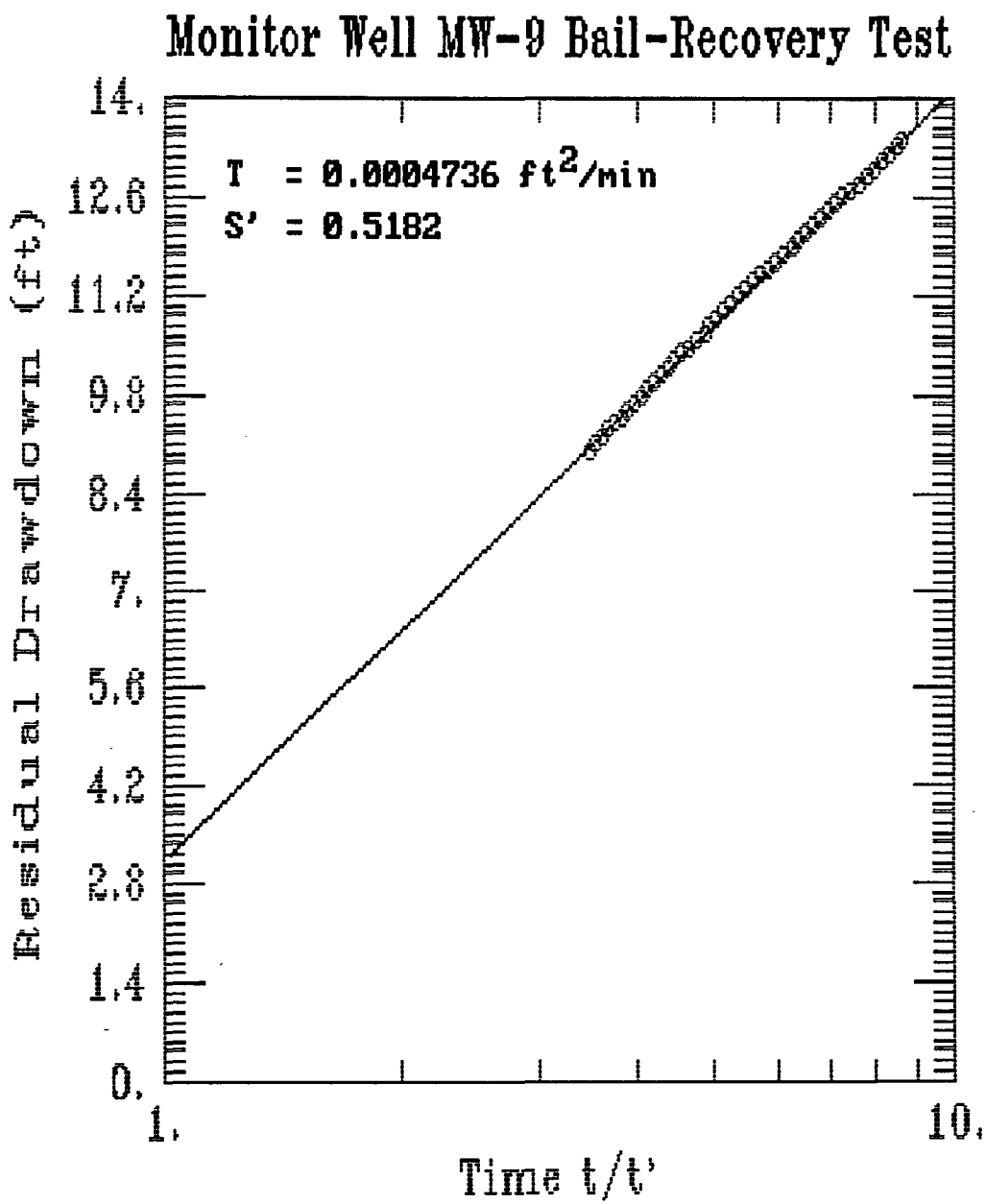
Elapse Time (minutes)	Displacement (feet)
26.32	9.80
27.02	9.70
27.70	9.60
28.40	9.50
29.17	9.40
29.93	9.30
30.72	9.20
31.58	9.10
32.35	9.00


Monitor Well MW-3 Bail-Recovery Test
T = 0.003202 ft²/min
S' = 3.251
Residual Drawdown (ft)
2.
1.8
1.6
1.4
1.2
1.
0.8
0.6
0.4
0.2
0.
1.
10.
100.
Time t/t'


Monitor Well MW-5 Bail-Recovery Test
T = 0.001333 ft²/min
S' = 4.21
Residual Drawdown (ft)
3.
2.7
2.4
2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.
1.
10.
100.
Time t/t'


Monitor Well MW-7 Bail-Recovery Test
T = 0.000133 ft²/min
S' = 0.9162
Residual Drawdown (ft)
5.
4.6
4.2
3.8
3.4
3.
2.6
2.2
1.8
1.4
1.
1.
10.
Time t/t'


Monitor Well MW-8 Bail-Recovery Test
T = 0.0005395 ft²/min
S' = 0.9357
Residual Drawdown (ft)
9.
8.1
7.2
6.3
5.4
4.5
3.6
2.7
1.8
0.9
0.
1.
10.
100.
Time t/t'


Monitor Well MW-9 Bail-Recovery Test
T = 0.0004736 ft²/min
S' = 0.5182
Residual Drawdown (ft)
14.
12.6
11.2
9.8
8.4
7.
5.6
4.2
2.8
1.4
0.
1.
10.
Time t/t'

DANIEL B. STEPHENS & ASSOCIATES, INC.
ENVIRONMENTAL SCIENTISTS AND ENGINEERS

PHASE I SOIL AND GROUND-WATER ASSESSMENT FOR ROSWELL COMPRESSOR STATION NO. 9 SURFACE IMPOUNDMENTS

VOLUME II: ANALYTICAL LABORATORY REPORTS

Prepared for

ENRON Environmental Affairs

Houston, Texas

November 8, 1995

6020 ACADEMY NE • SUITE 100 • ALBUQUERQUE, NM 87109 • (505) 822-9400

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

9-20-95

Date

Name: David J. Marshall

Title: Project Coordinator

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

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CORE LAB

CORE LABORATORIES, INC.

No. 32700

CHAIN OF CUSTODY RECORD

Eric 8-22-95

CUSTOMER INFORMATION		PROJECT INFORMATION	
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
		ADDRESS:	SAME
PHONE:	505 822 9400	PHONE:	
FAX:	505 822 8877	FAX:	PO NO.: 4115.3

LAB JOB NO. 954165

SAMPLE NO.	SAMPLE ID/DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS / METHOD REQUEST: VOCs 8010/8020	Total Metals 6010/7000	SVOCs 8270	PCBs 8080	Total Cyanide 9010	Total Sulfide 9030	TPH 418.1	REMARKS / PRECAUTIONS
JT ~~MW-7, 5-10'~~	MW-7, 5'-10'	8-15-95	0920	SOIL	250 ml glass	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	4	2	X	X	X	X	X	X	X	
	PIT 2, NE BORING	8-17-95	1635	SOIL	"	"	2	X	X	X	X	X	X	X	
	PIT 1, SE BORING	8-18-95	1000	SOIL	"	"	2	X	X	X	X	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 (X) 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: Amy Gray	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 LAB

[redacted] LABORATORIES, INC. [redacted]

No. 27101

CHAIN OF CUSTODY RECORD

824 JM 8-22-95

CUSTOMER INFORMATION	PROJECT INFORMATION
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:
FAX: 505 822 8877	FAX: PO NO.: 4115.3

LAB JOB NO. 954165

SAMPLE NO.	SAMPLE ID/DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS / METHOD REQUEST: 8010/8020	Total Metals 6010/7000	SVOCs 8270	PCBs 8080	Total Cyanide 9010	Total Sulfide 9030	TPH 418.1		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		
																Note: MW-7, depth renamed MW-7ABD, depth BM

SAMPLER: J. KIRBY

SHIPMENT METHOD: Fed Ex

AIRBILL NO.: 6725486563

REQUIRED TURNAROUND:* [ ] SAME DAY [ ] 24 HOURS [ ] 48 HOURS [ ] 72 HOURS [ ] 5 DAYS [ ] 10 DAYS [X] ROUTINE OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Jack T. Kirby	8-21-95	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: DANIEL B. STEPHENS & ASSOC	TIME 1611	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: [illegible]	8/22/95	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: CORE	TIME 1015	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

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(800) 404-2673

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Long Beach, California 90807
(310) 595-8401
(800) 814-3433

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Aurora, Colorado 80014
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Casper, Wyoming 82601
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☐ Houston, Texas
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(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

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.

Linda L. Benkers
QA/QC Coordinator

James H. Travis
Laboratory Manager

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CORE LABORATORIES

JOB SAMPLE INFORMATION

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' = MW-7ABD, 5'-10'	Soil	08/15/95	09:20	08/22/95	10:15
954165-2	MW-7, 40'-42' = MW-7ABD, 40'-42'	Soil	08/15/95	10:25	08/22/95	10:15
954165-3	MW-7, 60'-62' = MW-7ABD, 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

Note:
Sample ID. MW-7, depth
renamed MW-7ABD, depth
Bob Marley

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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	

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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	

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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
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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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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	

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LABORATORY TESTS RESULTS
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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	

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L A B O R A T O R Y T E S T S R E S U L T S
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

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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	

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Sample Matrix.....: Soil

Laboratory Sample ID.: 954165-8
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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 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	

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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
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	

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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-Nitrosopyrolidine	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	

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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	
O,O,O-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	

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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	

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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	

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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

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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	

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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	

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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	

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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-Nitrosopyrolidine	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	

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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
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	
O,O,O-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	

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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	

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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
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	

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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

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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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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
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	

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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	

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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-Nitrosopyrolidine	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	

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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 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	
O,O,O-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	

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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
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	

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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
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	

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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

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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)					SW-846 9010		kds
Cyanide (CN)	Solid	1.1	0.4	mg/Kg		08/28/95 1000	
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	

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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 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	

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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
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	

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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
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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-Nitrosopyrolidine	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	

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CORE LABORATORIES

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Report Date: 09/20/95

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Customer Sample ID.: PIT 1, NW BORING
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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
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	
O,O,O-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	

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LABORATORY TESTS RESULTS
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JOB NUMBER: 954165 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

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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	

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CORE LABORATORIES

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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	

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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
ICL	Initial Calibration/Lab Control Sample	G950828A			200	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Cyanide (CN)	0.02	0.47	0.5000000			94.0	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Cyanide (CN)	0.02	0.00				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
DSC	Distilled Std. Check	G950712A			200	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Cyanide (CN)	0.02	0.47	0.5000000			94.0	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Cyanide (CN)	0.02	0.00				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954172-1	Unfiltered		08/28/95	1000

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	

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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
MS	Matrix Spike	G950828A	954172-1	Unfiltered	400	08/28/95	1000

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950828A			333.333	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Cyanide (CN)	0.02	0.29	0.3000003			96.7	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Cyanide (CN)	0.02	0.00				

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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
MS	Matrix Spike		954165-8			08/30/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Ultrasonic Extraction		completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MB	Method Blank					08/30/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Ultrasonic Extraction		completed				

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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
MS	Matrix Spike		954186-2			08/28/95

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

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

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Ultrasonic Extraction	0	completed				

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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
ICV	Initial Calibration Verification	950531B				08/31/95	1744

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	1206H				08/31/95	1747

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Barium (Ba)	0.01	2.01792	2.00			100.9	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank	950815J				08/31/95	1807

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				08/31/95	1827

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	

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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
MB	Method Blank	0831				08/31/95	1838

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				08/31/95	1841

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				08/31/95	1921

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					08/31/95	1949

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				

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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
CCB	Continuing Calibration Blank					08/31/95 1949

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MD	Method Duplicate		954165-1	Solid		08/31/95 2011

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike	950821D	954165-2	Solid		08/31/95 2040

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
PDS	Post Digestion Spike	950821D	954165-2	Solid		08/31/95 2046

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	

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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
CCV	Continuing Calibration Verification	950505D				08/31/95	2056

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					08/31/95	2106

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0831				08/31/95	2142

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank	950821D				08/31/95	2145

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	

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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
SB	Spiked Blank	950821D				08/31/95	2145

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				08/31/95	2201

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					08/31/95	2221

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SBD	Spiked Blank Duplicate	950821D				08/31/95	2224

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	

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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
MD	Method Duplicate		954145-3	Wipe		08/31/95 2230

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
PDS	Post Digestion Spike	950821D	954121-41	Wipe		08/31/95 2246

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCV	Continuing Calibration Verification	950505D				08/31/95 2300

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCB	Continuing Calibration Blank					08/31/95 2304

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				

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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
CCB	Continuing Calibration Blank					08/31/95	2304

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				08/31/95	2338

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					08/31/95	2342

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				08/31/95	2357

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	

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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
CCV	Continuing Calibration Verification	950505D				09/01/95	0008

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/01/95	0011

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				

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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
MB	Method Blank					08/30/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Acid Digestion: Solids	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				08/30/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed					

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				08/30/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed					

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954162-2	Solid		08/30/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954162-2	Solid		08/30/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed		completed	completed		

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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
MD	Method Duplicate		954168-9	Solid		08/30/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Acid Digestion: Solids	0	completed		completed					

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank					08/30/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed					

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SBD	Spiked Blank Duplicate					08/30/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag	RPD	Flag
Acid Digestion: Solids	0	completed							

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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
MB	Method Blank					08/31/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Acid Digestion: Solids	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				08/31/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed					

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank					08/31/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed					

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954165-1			08/31/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Acid Digestion: Solids	0	completed		completed					

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954165-2			08/31/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Acid Digestion: Solids	0	completed		completed			

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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
ICV	Initial Calibration Verification	1121H			10	09/01/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00385	0.0040000			96.2	

QC Type	Description					Date	Time
ICB	Initial Calibration Blank					09/01/95	1002

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00011				

QC Type	Description		Lab ID	MTX		Date	Time
MD	Method Duplicate		954202-1	Total		09/01/95	1006

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950831G	954140-1	Total	20	09/01/95	1010

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	

QC Type	Description		Lab ID	MTX		Date	Time
MD	Method Duplicate		954168-12	Dissolved		09/01/95	1019

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	

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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
MS	Matrix Spike	950831G	954168-13	Dissolved	20	09/01/95	1023

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/01/95	1025

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00264	0.0025000			105.6	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/01/95	1027

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00017				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				09/01/95	1033

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00185	0.00192			96.4	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				09/01/95	1035

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00197	0.00192			102.6	

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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
MD	Method Duplicate		954162-1	Solid		09/01/95	1040

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950901H	954162-2	Solid		09/01/95	1044

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/01/95	1050

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00232	0.0025000			92.8	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/01/95	1052

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00014				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954165-1	Solid		09/01/95	1107

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	

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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
MS	Matrix Spike	950901H	954165-2	Solid		09/01/95	1111

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/01/95	1115

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00270	0.0025000			108.0	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/01/95	1117

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00009				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/01/95	1140

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00255	0.0025000			102.0	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/01/95	1142

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00011				

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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
MB	Method Blank					09/01/95	1159

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00014				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/01/95	1200

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00235	0.0025000			94.0	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/01/95	1203

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00014				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/01/95	1209

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00009				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
EB	Extraction Blank					09/01/95	1211

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00006				

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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
ED	Extraction Duplicate		954129-2	Total		09/01/95	1215

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954129-2	Total		09/01/95	1217

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/01/95	1222

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00258	0.0025000			103.2	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/01/95	1224

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00011				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
PDS	Post Digestion Spike	1013P	954121-41	Total	4000	09/01/95	1226

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	

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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
CCV	Continuing Calibration Verification	1013P			4000	09/01/95	1228

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Mercury (Hg)	0.0002	0.00273	0.0025000			109.2	

QC Type	Description					Date	Time
CCB	Continuing Calibration Blank					09/01/95	1230

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Mercury (Hg)	0.0002	0.00011				

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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
MB	Method Blank			Solid		08/24/95	1412

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				

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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
MB	Method Blank			Solid		08/24/95	1412

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				

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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
MB	Method Blank			Solid		08/28/95	1118

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				

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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
MB	Method Blank			Solid		08/28/95	1118

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				

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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
MST	Matrix Spike (with unique test limits)	V950828D	954165-1	Solid		08/28/95	1607

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

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	

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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
ICV	Initial Calibration Verification	950531B				09/06/95	1722

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	1206H				09/06/95	1726

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950426D				09/06/95	1738

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Tin (Sn)	0.05	0.90608	1.00			90.6	

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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
ICB	Initial Calibration Blank	950815J				09/06/95	1743

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/06/95	1801

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	

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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
ISB	Interference Check Sample B	950816E				09/06/95	1801

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0901				09/06/95	1806

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				

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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
LCS	Laboratory Control Sample	950227E				09/06/95 1810

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	950227E				09/06/95 1814

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	

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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
LCS	Laboratory Control Sample	950227C				09/06/95	1822

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Selenium (Se)	0.1	0.82718	1.00			82.7	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	950227C				09/06/95	1824

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950227D				09/06/95	1826

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Arsenic (As)	0.05	1.03881	1.00			103.9	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	950227D				09/06/95	1827

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	1832

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	

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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
CCV	Continuing Calibration Verification	950505D				09/06/95	1832

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950607J				09/06/95	1835

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.32434	2.500			93.0	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/06/95	1846

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				

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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
CCB	Continuing Calibration Blank	950815J				09/06/95	1846

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank	950821D				09/06/95	1849

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	

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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
SBD	Spiked Blank Duplicate	950821D				09/06/95 1852

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike	950821D	954121-14	Oil		09/06/95 1925

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	

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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
MS	Matrix Spike	950821D	954121-14	Oil		09/06/95	1925

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
PDS	Post Digestion Spike	950821D	954121-14	Oil		09/06/95	1929

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	1944

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	

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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
CCV	Continuing Calibration Verification	950505D				09/06/95	1944

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Zinc (Zn)	0.01	2.38399	2.5			95.4	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950607J				09/06/95	1946

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.40124	2.500			96.0	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/06/95	1951

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				

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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
MB	Method Blank	0901				09/06/95	1958

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				09/06/95	2001

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	

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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
LCS	Laboratory Control Sample	950614J				09/06/95	2001

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	2045

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	

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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
CCV	Continuing Calibration Verification	950607J				09/06/95	2049

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.42688	2.500			97.1	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/06/95	2053

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0830				09/06/95	2056

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				

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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
MB	Method Blank	0830				09/06/95	2056

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				09/06/95	2100

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	

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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
LCS	Laboratory Control Sample	950614J				09/06/95	2100

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J			10	09/06/95	2106

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	3.39665	0.3490000			97.3	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank	950821D				09/06/95	2110

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	

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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
SB	Spiked Blank	950821D				09/06/95	2110

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	2140

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950607J				09/06/95	2142

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.40399	2.500			96.2	

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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
CCB	Continuing Calibration Blank	950815J				09/06/95	2146

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954162-2	Solid		09/06/95	2212

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	

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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
MS	Matrix Spike	950821D	954162-2	Solid		09/06/95	2212

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	2232

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	

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CORELAB

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
CCV	Continuing Calibration Verification	950607J				09/06/95 2239

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.35180	2.500			94.1	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCB	Continuing Calibration Blank	950815J				09/06/95 2241

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
PDS	Post Digestion Spike	950821D	954162-2	Solid		09/06/95 2246

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	

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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
ISA	Interference Check Sample A	9506121				09/06/95	2251

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Aluminum (Al)	0.05	542.98968	500			108.6	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/06/95	2259

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	9505050				09/06/95	2305

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	

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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
CCV	Continuing Calibration Verification	950505D				09/06/95	2305

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950607J				09/06/95	2320

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Silver (Ag)	0.01	2.25838	2.500			90.3	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/06/95	2325

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				

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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
CCB	Continuing Calibration Blank	950815J				09/06/95	2325

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				

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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
MB	Method Blank					08/31/95	1100

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MLE	Medium Level Extraction Blank				125	08/31/95	1152

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				

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QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Total Recoverable Petroleum Hydrocarbons
Method Code.....: 418.1
Batch Code.....: 1877
Status.....: RPT
QC Code.....: GEN
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
ICB	Initial Calibration Blank	R091195M				09/11/95	0915

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Total Recoverable Petroleum Hydrocarbons	1	0				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	R091195M				09/11/95	0915

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Total Recoverable Petroleum Hydrocarbons	1	0				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	R091195M				09/11/95	0915

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Total Recoverable Petroleum Hydrocarbons	1	0				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	940114				09/11/95	0915

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Total Recoverable Petroleum Hydrocarbons	1	47	44			106.8	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	X950911B				09/11/95	0915

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Total Recoverable Petroleum Hydrocarbons	1	51	50			102.0	

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Total Recoverable Petroleum Hydrocarbons
Method Code.....: 418.1
Batch Code.....: 1877

Status.....: RPT
QC Code.....: GEN
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
MD	Method Duplicate		954165-9	Solid	25	09/11/95	0915

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			

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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
MB	Method Blank	MB0615				09/13/95	0039

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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	P9506298	954165-8	Solid		09/13/95	0304

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					

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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
MB	Method Blank	MB0609				09/11/95	1653

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				
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				

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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
MB	Method Blank	MB0609				09/11/95	1653

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				

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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
MB	Method Blank	MB0609				09/11/95	1653

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-Nitrosopyrolidine	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				

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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
MB	Method Blank	MB0609				09/11/95	1653

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
1,2,4-Trichlorobenzene	10	ND				
O,O,O-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				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0609				09/15/95	0120

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				

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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
MB	Method Blank					09/05/95	0800

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	Flag
Sulfide	50	0				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	50846				09/05/95	0800

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Sulfide	50	56	60			93	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank	50846	952424-0			09/05/95	0800

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	Flag
Sulfide	50	59	60	0		98	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		952522-3			09/05/95	0800

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	Flag	ABS Diff.	Flag
Sulfide	50	925		937				1	

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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 Recovery	RPD	Soil 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%

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/20/95

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-Dintrotoluene	24-96%	38	28-89%	47
Pentachlorophenol	9-103%	50	17-109%	47
Pyrene	26-127%	31	35-142%	36

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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

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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

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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.

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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.

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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

9.20.95
Date

Name: David J. Marshall

Title: Project Coordinator

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

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CORE LAB

CORE LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

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

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Daniel B. Stephens Assoc.	PROJECT NAME/NUMBER: 4115.3
SEND REPORT TO: Bob Marley	**BILLING INFORMATION**
ADDRESS: 6020 Academy NE #100 Albuq. NM 87109	BILL TO: Same
	ADDRESS:
PHONE: (505) 822-9400	PHONE:
FAX: " 822-8877	FAX: PO NO.:

LAB JOB NO. 954178

	SAMPLE NO.	SAMPLE ID/DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERV.	NUMBER OF CONTAINERS	8240 VOCs	8270 SVOCs	8080 Pest/PCBs	Cyanide	Sulfide	Total Metals *	NO3+NO2	major ions + TDS	REMARKS / PRECAUTIONS
1	MW-3		8/22/95	1200	H_2O			10	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	
3	MW-6			1330				10	X	X	X	X	X	X	X	X	
4	MW-8			1600				10	X	X	X	X	X	X	X	X	
5	MW-99			—				9	X	X	X	X	X	X	X	X	only 1-1 liter amber glass
10	VOA Trip Blank		8-11-95	1606	H_2O	40ml	HCl	1	X								
6	MW-9, 60'-62'		8-22-95	1100	SOIL	250ml glass	None	1	X					X			
7	MW-7A,	10'-12'	8-22-95	0845	"	brass sleeve	"	2	X					X			Note: MW-7A, renamed MW-7
8	MW-7A	50-52 (JK)	~~8-22-95~~	1104	"	" "	"	2	X					X			Analyze for As, Ba, Cr, Pb only
9	MW-7A	70-72	8-22-95	1345	"	" "	"	2	X					X			

SAMPLER: JRF/JFK

SHIPMENT METHOD:

AIRBILL NO.:

REQUIRED TURNAROUND:* [ ] SAME DAY [ ] 24 HOURS [ ] 48 HOURS [ ] 72 HOURS [ ] 5 DAYS [ ] 10 DAYS [X] ROUTINE OTHER

1. RELINQUISHED BY: SIGNATURE: Jeffrey 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. Kellogs	DATE 8/24/95	2. RECEIVED BY: SIGNATURE:	DATE	3. RECEIVED BY: SIGNATURE:	DATE
PRINTED NAME/COMPANY: Timothy L. Kellogs / 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

[X] **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

JOB SAMPLE INFORMATION
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' = MW-7, 10'-12'	Soil	08/22/95	08:45	08/24/95	10:00
954178-8	MW-7A, 50'-52' = MW-7, 50'-52'	Soil	08/22/95	11:04	08/24/95	10:00
954178-9	MW-7A, 70'-72' = MW-7, 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

Note: MW-7A, depth was renamed MW-7, depth
Bob Marley

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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-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 CaCO3	Unfiltered	116	5	mg/L CaCO3	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO3)	Unfiltered	142	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO3)	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 (SO4)	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

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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

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Cyanide (Colorimetric, Manual)					SW-846 9010		kds
Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L		08/28/95 1000	
Extraction (Sep. Funnel) Chlor. Pest					SW-846 3510		mla
Separatory Funnel Liq/Liq Extraction		ND		Not Applicable		08/29/95	
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	

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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	

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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	

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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 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-Nitrosopyrolidine		ND	10	ug/L		09/09/95 1311	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1311	

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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	
O,O,O-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	

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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	

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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	

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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-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
Vinyl chloride		ND	10	ug/L		09/01/95 2124	
Xylenes (total)		ND	5	ug/L		09/01/95 2124	

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CORELAB

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 CaCO3	Unfiltered	122	5	mg/L CaCO3	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO3)	Unfiltered	149	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO3)	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 (SO4)	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

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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
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

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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
Cyanide (Colorimetric, Manual)					SW-846 9010		kds
Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L		08/28/95 1000	
Extraction (Sep. Funnel) Chlor. Pest					SW-846 3510		mla
Separatory Funnel Liq/Liq Extraction		ND		Not Applicable		08/29/95	
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	

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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
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					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 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	

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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
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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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
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-Nitrosopyrolidine		ND	10	ug/L		09/09/95 1409	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1409	

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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
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	

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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
2,3,4,6-Tetrachlorophenol		ND	10	ug/L		09/09/95 1409	
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)					SW-846 8240		bfr
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	

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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
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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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
Vinyl chloride		ND	10	ug/L		09/01/95 2156	
Xylenes (total)		ND	5	ug/L		09/01/95 2156	

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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-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 CaCO3	Unfiltered	110	5	mg/L CaCO3	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO3)	Unfiltered	134	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO3)	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 (SO4)	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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CORE LABORATORIES

LABORATORY TESTS RESULTS
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JOB NUMBER: 954178 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

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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
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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CORE LABORATORIES

LABORATORY TESTS RESULTS
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Sample Date.....: 08/22/95
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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
Cyanide (Colorimetric, Manual)					SW-846 9010		kds
Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L		08/28/95 1000	
Extraction (Sep. Funnel) Chlor. Pest					SW-846 3510		mia
Separatory Funnel Liq/Liq Extraction		ND		Not Applicable		08/29/95	
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	

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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	
Semivolatile 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	

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CORE LABORATORIES

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Laboratory Sample ID.: 954178-3
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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	

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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-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
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-Nitrosopyrolidine		ND	10	ug/L		09/09/95 1507	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1507	

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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 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	
O,O,O-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	

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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	
Volatile 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	

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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-Dichioroethene		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	

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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	

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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-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 CaCO3	Unfiltered	134	5	mg/L CaCO3	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO3)	Unfiltered	163	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO3)	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 (SO4)	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

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Laboratory Sample ID.: 954178-4
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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

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Laboratory Sample ID.: 954178-4
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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cyanide (Colorimetric, Manual)					SW-846 9010		kds
Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L		08/28/95 1000	
Extraction (Sep. Funnel) Chlor. Pest					SW-846 3510		mla
Separatory Funnel Liq/Liq Extraction		ND		Not Applicable		08/29/95	
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	

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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-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
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	
Semivolatile 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	

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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-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	

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LABORATORY TESTS RESULTS
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JOB NUMBER: 954178 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

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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-Nitrosopyrolidine		ND	10	ug/L		09/09/95 1605	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1605	

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Laboratory Sample ID.: 954178-4
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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 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	
O,O,O-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	

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Laboratory Sample ID.: 954178-4
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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	

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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	

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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
Vinyl chloride		ND	10	ug/L		09/01/95 2300	
Xylenes (total)		ND	5	ug/L		09/01/95 2300	

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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 CaCO3	Unfiltered	139	5	mg/L CaCO3	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO3)	Unfiltered	170	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO3)	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 (SO4)	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

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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
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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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cyanide (Colorimetric, Manual)					SW-846 9010		kds
Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L		08/28/95 1000	
Extraction (Sep. Funnel) Chlor. Pest					SW-846 3510		mia
Separatory Funnel Liq/Liq Extraction		ND		Not Applicable		08/29/95	
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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LABORATORY TESTS RESULTS
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Customer Sample ID.: MW-99
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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
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	
Semivolatile 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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CORE LABORATORIES

LABORATORY TESTS RESULTS
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Laboratory Sample ID.: 954178-5
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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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CORE LABORATORIES

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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-Nitrosopyrolidine		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	
O,O,O-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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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 1702	
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)					SW-846 8240		bfr
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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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
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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CORE LAB

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
Vinyl chloride		ND	10	ug/L		09/01/95 2332	
Xylenes (total)		ND	5	ug/L		09/01/95 2332	

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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-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	

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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-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 B	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	

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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-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	

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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	

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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-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 B	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	

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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	

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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	

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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 B	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	

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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-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	

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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	

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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-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 B	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	

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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	

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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.: 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	

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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.: 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	

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CORE LABORATORIES

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%

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/20/95

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-Dintrotoluene	24-96%	38	28-89%	47
Pentachlorophenol	9-103%	50	17-109%	47
Pyrene	26-127%	31	35-142%	36

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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

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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

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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.

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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.

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CORE LAB

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
ICL	Initial Calibration/Lab Control Sample	G950828A			200	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.47	0.50000			94.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
DSC	Distilled Std. Check	G950712A			200	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.47	0.50000			94.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954172-1	Unfiltered		08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Cyanide (CN)	0.02	0.00		0.00			0

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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
MS	Matrix Spike	G950828A	954172-1	Unfiltered	400	08/28/95	1000

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950828A			333.333	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.29	0.30000			96.7

QC Type	Description					Date	Time
CCB	Continuing Calibration Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

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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
ICV	Initial Calibration Verification	G950829B			5	08/29/95	0700

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfide	0.05	0.41	0.40000			102.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					08/29/95	0700

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfide	0.05	0.00			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-1	Unfiltered		08/29/95	0700

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfide	0.05	0.00		0.00			0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G950829A	954178-1	Unfiltered	500	08/29/95	0700

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfide	0.05	0.56	0.61600	0.00		90.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950829B			5	08/29/95	0700

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfide	0.05	0.38	0.40000			95.0

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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
CCB	Continuing Calibration Blank					08/29/95	0700

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfide	0.05	0.00			

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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
MB	Method Blank					08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acid Digestion: Solids	0	completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank	950821D				08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank	950821D				08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

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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
MD	Method Duplicate		954091-1	Solid		08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion: Solids	0	completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954091-3	Solid		08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed		completed		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954091-54	Solid		08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion: Solids	0	completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954091-56	Solid		08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed		completed		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank	950821D				08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

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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
SB	Spiked Blank	950821D				08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954139-1	Solid		08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion: Solids	0	completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954139-2	Solid		08/29/95	1145

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed		completed		

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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
ICV	Initial Calibration Verification	950531B				08/30/95	1809

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	1206H				08/30/95	1812

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Barium (Ba)	0.01	2.02999	2.00			101.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank	950815J				08/30/95	1821

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				08/30/95	1830

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

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CORELAB

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
MB	Method Blank	0829				08/30/95	1834

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0829				08/30/95	1835

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				08/30/95	1840

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				08/30/95	1841

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

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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
LCS	Laboratory Control Sample	950614J				08/30/95	1841

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954139-1	Solid		08/30/95	1848

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954139-1	Solid		08/30/95	1850

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				08/30/95	1852

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

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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	1858

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954139-2	Solid		08/30/95	1905

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
PDS	Post Digestion Spike	950821D	954139-2	Solid		08/30/95	1909

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				08/30/95	1933

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

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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
CCV	Continuing Calibration Verification	950505D				08/30/95	1933

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				08/30/95	2009

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				08/30/95	2058

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				08/30/95	2104

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			

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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
CCV	Continuing Calibration Verification	950505D				08/30/95	2146

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				08/30/95	2150

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				08/30/95	2213

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

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
Arsenic (As)	0.05	0.00005			
Barium (Ba)	0.01	0.00039			

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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			

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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
ICL	Initial Calibration/Lab Control Sample	G941014A			100	08/29/95	0800

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					08/29/95	0846

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Nitrate + Nitrite as N	0.05	0.0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-5	Unfiltered		08/29/95	1321

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G9411088	954178-5	Unfiltered	100	08/29/95	1407

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G9411088			50	08/29/95	1453

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

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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
CCB	Continuing Calibration Blank					08/29/95	1539

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Nitrate + Nitrite as N	0.05	0.0			

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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
DU	Method Duplicate		954192-6			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD
Separatory Funnel Liq/Liq Extraction		ND		ND		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike		954192-17			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Separatory Funnel Liq/Liq Extraction		ND		ND		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MB	Method Blank					08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction		ND			

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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
MB	Method Blank					08/29/95	0000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction	0	ND			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date
DU	Method Duplicate		954192-6			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD
Separatory Funnel Liq/Liq Extraction	0	ND		ND		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date
MS	Matrix Spike		954192-17			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Separatory Funnel Liq/Liq Extraction	0	ND		ND		

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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
MB	Method Blank					08/29/95	0000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction	0	ND			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date
MS	Matrix Spike		954187-16			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Separatory Funnel Liq/Liq Extraction	0	ND		ND		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date
DU	Method Duplicate		954187-5			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD
Separatory Funnel Liq/Liq Extraction	0	ND		ND		

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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
MB	Method Blank					08/28/95	0900

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Solids, Total Dissolved (TDS)	10	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	G950427A				08/28/95	0900

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Solids, Total Dissolved (TDS)	10	504	500			100.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-1	Filtered		08/28/95	0900

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Solids, Total Dissolved (TDS)	10	3630		3650		0	

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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
MB	Method Blank					09/01/95	1600

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Alkalinity, Total as CaCO3	5	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	G950712B				09/01/95	1600

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Alkalinity, Total as CaCO3	5	102	100			102.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-1	Unfiltered		09/01/95	1600

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Alkalinity, Total as CaCO3	5	115		116		0	

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QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Carbonate/Bicarbonate/Hydroxide
Method Code.....: 2320B
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
MB	Method Blank					09/01/95	1600

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Bicarbonate (HCO3)	5	0			
Carbonate (CO3)	1	0			
Hydroxide (OH)	1	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-1	Unfiltered		09/01/95	1600

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Bicarbonate (HCO3)	5	140		142		1	
Carbonate (CO3)	1	0		0			0
Hydroxide (OH)	1	0		0			0

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CORELAB

CORE LABORATORIES

QUALITY CONTROL REPORT
Report Date: 09/20/95

Method Description.: Sulfate (Automated MTB, AAII)
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
ICL	Initial Calibration/Lab Control Sample	G950517A				09/01/95	0900

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	78	75			104.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/01/95	0913

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954196-1	Unfiltered		09/01/95	0940

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (SO4)	10	18		19			1

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G950328A	954196-1	Unfiltered	20	09/01/95	0954

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	67	50.00000	19		96.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954205-1	Unfiltered		09/01/95	1021

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (SO4)	10	6		6			0

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QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Sulfate (Automated MTB, AAII)
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
MS	Matrix Spike	G950328A	954205-1	Unfiltered	20	09/01/95	1034

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	55	50.00000	6		98.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-1	Unfiltered	20	09/01/95	1101

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (SO4)	10	93		92		1	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G950328A	954178-1	Unfiltered	20	09/01/95	1114

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	141	50.00000	92		98.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950720C				09/01/95	1128

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	121	120			100.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/01/95	1141

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			

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CORE LABORATORIES

QUALITY CONTROL REPORT
Report Date: 09/20/95

Method Description.: Sulfate (Automated MTB, AAII)
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
MD	Method Duplicate		954196-2	Unfiltered		09/01/95	1302

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (SO4)	10	13		15			2

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G950328A	954196-2	Unfiltered	20	09/01/95	1316

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	62	50.00000	15		94.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950720C				09/01/95	1409

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	121	120			100.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/01/95	1423

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950720C				09/01/95	1503

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	124	120			103.3

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/20/95

Method Description.: Sulfate (Automated MTB, AAII)
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
CCB	Continuing Calibration Blank					09/01/95	1517

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			

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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
ICL	Initial Calibration/Lab Control Sample	G950712A			200	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.49	0.50000			98.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
DSC	Distilled Std. Check	G950828A			200	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.45	0.50000			90.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954187-2	Unfiltered		08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Cyanide (CN)	0.02	0.00		0.00			0

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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
MS	Matrix Spike	G950828A	954187-21	Unfiltered	400	08/28/95	1000

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950828A			333.3333	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.30	0.30000			100.0

QC Type	Description					Date	Time
CCB	Continuing Calibration Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950828A			333.3333	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.29	0.30000			96.7

QC Type	Description					Date	Time
CCB	Continuing Calibration Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

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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
MB	Method Blank					09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acid Digestion, Total Metals	0	completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E			10	09/01/95	1100

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		951855-1			09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			

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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
MS	Matrix Spike	950821D	951855-3			09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954188-1			09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954192-1			09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954183-1	Total		09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954183-2	Total		09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		

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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
MB	Method Blank					09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acid Digestion, Total Metals	0	completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E			10	09/01/95	1100

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

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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
ICV	Initial Calibration Verification	1121H			10	09/06/95	0910

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00427	0.00400			106.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/06/95	0912

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00000			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-1			09/06/95	0916

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950905E	954178-2	Total	20	09/06/95	0919

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/06/95	0933

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00273	0.00250			109.2

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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			

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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			Solid		09/01/95	1909

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			

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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			Solid		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			

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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
RS	Reference Standard	V950901C		Solid		09/01/95	2013

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

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

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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
MTD	Matrix Spike Duplicate	V9509018	954182-3	Solid		09/02/95	0030

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

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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			

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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
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			

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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
RS	Reference Standard	V950901C				09/01/95	1948

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ST	Spiked Blank	V950901D				09/02/95	0108

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

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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
STD	Spiked Blank Duplicate	V950901D				09/02/95	0140

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

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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
ICL	Initial Calibration/Lab Control Sample	G950719F				09/05/95	1500

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	52.0	50.0			104.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/05/95	1505

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Chloride	0.5	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-1	Unfiltered	6	09/05/95	1514

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Chloride	0.5	66.9		67.5		0	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G950503A	954178-1	Unfiltered	20	09/05/95	1519

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	114	50.00000	67.5		93.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950719D				09/05/95	1553

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	81.8	80.0			102.2

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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	1558

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Chloride	0.5	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954196-1	Unfiltered		09/05/95	1607

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Chloride	0.5	4.0		3.7		8	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G950503A	954196-1	Unfiltered	20	09/05/95	1612

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	57.6	50.00000	3.7		107.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	G950719F				09/05/95	1646

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	53.6	50.0			107.2

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950719D				09/05/95	1650

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	81.7	80.0			102.1

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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			

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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
ICV	Initial Calibration Verification	1121H			10	09/08/95	0900

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00404	0.00400			101.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/08/95	0903

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.0001			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954179-1	Dissolved		09/08/95	0908

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	9509078	954179-2	Dissolved	20	09/08/95	0914

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	0933

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00248	0.00250			99.2

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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
CCB	Continuing Calibration Blank					09/08/95	0935

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.0001			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954188-1	Total		09/08/95	0957

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950907B	954192-1	Total	20	09/08/95	1003

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1005

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00230	0.00250			92.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1008

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00008			

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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
LCS	Laboratory Control Sample	950614J				09/08/95	1022

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00180	0.00192			93.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-6	Solid		09/08/95	1027

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950907B	954178-7	Solid	20	09/08/95	1033

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1038

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00250	0.00250			100.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1041

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00008			

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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
MB	Method Blank					09/08/95	1055

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00010			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
EB	Extraction Blank				10	09/08/95	1057

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00010			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	9509078	954121-26	Total	20	09/08/95	1103

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1108

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00240	0.00250			96.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1111

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.0001			

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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
MS	Matrix Spike	9509078	954186-3		20	09/08/95	1125

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

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

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

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

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00003			

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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
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1146

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00248	0.00250			99.2

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1149

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00000			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954237-1	Total		09/08/95	1155

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Mercury (Hg)	0.0002	0.00817		0.00710		14	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1157

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00235	0.00250			94.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1200

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00008			

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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
ICV	Initial Calibration Verification	950426E				09/11/95	1304

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/11/95	1317

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISA	Interference Check Sample A	950612I				09/11/95	1324

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/11/95	1347

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

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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
MB	Method Blank					09/11/95	1417

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/11/95	1426

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	0.90513	1.00			90.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	1428

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E			10	09/11/95	1433

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

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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
MD	Method Duplicate		954188-9	Total		09/11/95	1439

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954183-2	Total		09/11/95	1444

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950706A				09/11/95	1449

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	47.21248	50.0			94.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605C				09/11/95	1458

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

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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
CCB	Continuing Calibration Blank					09/11/95	1509

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950706A				09/11/95	1548

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	48.51031	50.0			97.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605C				09/11/95	1607

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	1625

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			

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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
MB	Method Blank					09/11/95	1647

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Magnesium (Mg)	0.5	-0.20636			
Sodium (Na)	1.0	-0.00993			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
EB	Extraction Blank					09/11/95	1650

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950706A				09/11/95	1658

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	50.63763	50.0			101.3

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605C				09/11/95	1704

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

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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
CCB	Continuing Calibration Blank					09/11/95	1710

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISA	Interference Check Sample A	950612I				09/11/95	1740

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/11/95	1752

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950706A				09/11/95	1755

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	49.35380	50.0			98.7

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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
CCV	Continuing Calibration Verification	950605C				09/11/95	1758

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	1801

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			

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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
ICV	Initial Calibration Verification	9506078				09/11/95	1744

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	9503020				09/11/95	1748

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950426E				09/11/95	1752

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	94.15293	100			94.2

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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
ICB	Initial Calibration Blank					09/11/95	1805

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISA	Interference Check Sample A	950612I				09/11/95	1818

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	573.64343	500			114.7

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/11/95	1825

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

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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
ISB	Interference Check Sample B	950816E				09/11/95	1825

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0911				09/11/95	1844

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			

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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
MB	Method Blank	0911				09/11/95	1844

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/11/95	1849

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

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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
LCS	Laboratory Control Sample	950426E				09/11/95 1852

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	88.17813	100			88.2

QC Type	Description		Lab ID	MTX		Date Time
MD	Method Duplicate		951954-1	Total		09/11/95 1857

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

QC Type	Description		Lab ID	MTX		Date Time
MD	Method Duplicate		951954-1	Total		09/11/95 1913

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Potassium (K)	5	49.51026		48.07852		3	

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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
CCV	Continuing Calibration Verification	950727J				09/11/95	1920

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/11/95	1926

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	1945

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			

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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
CCB	Continuing Calibration Blank					09/11/95 1945

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike	950821D	951953-1	Total		09/11/95 2036

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

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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
MS	Matrix Spike	950821D	951953-1	Total		09/11/95	2036

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
PDS	Post Digestion Spike	950821D	951953-1	Total		09/11/95	2054

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

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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
MB	Method Blank	0906				09/11/95	2127

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/11/95	2133

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

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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
LCS	Laboratory Control Sample	950825A				09/11/95	2133

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2147

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	88.02568	100			88.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	950825A				09/11/95	2152

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

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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
LCD	Laboratory Control Sample Duplicate	950825A				09/11/95	2152

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	950426E				09/11/95	2155

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/11/95	2158

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

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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
CCV	Continuing Calibration Verification	950605D				09/11/95	2212

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	2228

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954147-1	Total		09/11/95	2241

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

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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
MD	Method Duplicate		954147-1	Total		09/11/95 2241

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike	950821D	954187-1	Total		09/11/95 2247

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

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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
MS	Matrix Spike	950821D	954187-1	Total		09/11/95	2247

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0901				09/11/95	2314

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			

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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
LCS	Laboratory Control Sample	950825A				09/11/95	2325

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/11/95	2326

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

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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
LCS	Laboratory Control Sample	950825A				09/11/95	2326

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2329

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	108.40396	100			108.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/11/95	2334

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

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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
CCV	Continuing Calibration Verification	950727J				09/11/95	2334

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/11/95	2337

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	2339

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			

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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
CCB	Continuing Calibration Blank					09/11/95	2339

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Zinc (Zn)	0.01	-0.00028			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2345

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	106.48043	100			106.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/12/95	0059

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

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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
CCV	Continuing Calibration Verification	950605D				09/12/95	0120

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/12/95	0136

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954183-2	Total		09/12/95	0144

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

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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
MS	Matrix Spike	950821D	954183-2	Total		09/12/95	0144

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

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

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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
MD	Method Duplicate		954188-1	Total		09/12/95	0152

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	9506121				09/12/95	0200

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

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

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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
ISB	Interference Check Sample B	950816E				09/12/95	0207

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/12/95	0214

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

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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
CCV	Continuing Calibration Verification	950605D				09/12/95	0226

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/12/95	0242

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			

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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
ICV	Initial Calibration Verification	950426E				09/11/95	1752

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.97279	1.00			97.3

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/11/95	1805

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00482			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/11/95	1825

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	1.00497	1.000			100.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0911				09/11/95	1844

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00481			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	1852

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.98153	1.00			98.2

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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
MD	Method Duplicate		951954-1	Total		09/11/95	1857

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/11/95	1920

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.72925	2.5			109.2

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	1945

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00035			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	951953-1	Total		09/11/95	2036

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
PDS	Post Digestion Spike	950821D	951953-1	Total		09/11/95	2054

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

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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
MB	Method Blank	0906				09/11/95	2127

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00436			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2147

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.94924	1.00			94.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2155

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.95675	1.00			95.7

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/11/95	2158

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.61416	2.5			104.6

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	2228

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00444			

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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
MD	Method Duplicate		954147-1	Total		09/11/95	2241

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954187-1	Total		09/11/95	2247

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0901				09/11/95	2314

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00182			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2329

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.92640	1.00			92.6

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/11/95	2334

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.58094	2.5			103.2

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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
CCB	Continuing Calibration Blank					09/11/95	2339

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00331			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2345

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	1.00049	1.00			100.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954183-2	Total		09/12/95	0042

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/12/95	0059

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.31461	2.5			92.6

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/12/95	0136

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00265			

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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
MD	Method Duplicate		954188-1	Total		09/12/95	0152

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/12/95	0207

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.93002	1.000			93.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/12/95	0214

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.44744	2.5			97.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/12/95	0242

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00116			

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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
MB	Method Blank	MB0612				09/09/95	1214

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			

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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
MB	Method Blank	MB0612				09/09/95	1214

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			

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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
MB	Method Blank	MB0612				09/09/95	1214

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-Nitrosopyrolidine	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			

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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
MB	Method Blank	MB0612				09/09/95	1214

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
1,2,4-Trichlorobenzene	10	ND			
O,O,O-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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0620				09/09/95	1857

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			

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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
MB	Method Blank	MB0620				09/09/95	1857

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			

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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
MB	Method Blank	MB0620				09/09/95	1857

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			

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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
MB	Method Blank	MB0620				09/09/95	1857

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-Nitrosopyrolidine	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			
O,O,O-Triethyl phosphorothioate	10	ND			
1,3,5-Trinitrobenzene	10	ND			
Benzoic acid	50	ND			
4-Chloro-3-methylphenol	10	ND			
2-Chlorophenol	10	ND			

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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
MB	Method Blank	MB0620				09/09/95	1857

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0612				09/14/95	2104

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Dibenzo(a,j)acridine	10	ND			
Hexachlorophene	100	ND			
Kepone	50	ND			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/15/95	0024

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Dibenzo(a,j)acridine	10	ND			
Hexachlorophene	100	ND			
Kepone	50	ND			

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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	0614				09/13/95	1731

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			

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QUALITY CONTROL REPORT
Report Date: 09/20/95

Method Description.: Pesticide/PCB Analysis (Organochlorine) Status.....: RPT Calc Code.....: Analyst ...: smc
Method Code.....: 8080 QC Code.....: 8000 Equipment Code..: Job Number.: 954178
Batch Code.....: 1963 Units.....: ug/L Import Code.....:

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			

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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
	MB	49.0	ug/L	50.1861	98		09/01/95	1909
	RS	49.5	ug/L	50.1861	99		09/01/95	2013
954178-6		49.8	ug/L	50.1861	99		09/01/95	2046
954178-7		49.7	ug/L	50.1861	99		09/01/95	2118
954178-8		49.6	ug/L	50.1861	99		09/01/95	2150
954178-9		48.5	ug/L	50.1861	97		09/01/95	2222
954182-2		50.16	ug/L	50.1861	100		09/01/95	2253
954182-3		49.2	ug/L	50.1861	98		09/01/95	2326
954182-3	MST	50.9	ug/L	50.1861	101		09/01/95	2358
954182-3	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
	MB	50.6	ug/L	50.1095	101		09/01/95	1909
	RS	50.1	ug/L	50.1095	100		09/01/95	2013
954178-6		52.0	ug/L	50.1095	104		09/01/95	2046
954178-7		52.4	ug/L	50.1095	105		09/01/95	2118
954178-8		51.0	ug/L	50.1095	102		09/01/95	2150
954178-9		50.8	ug/L	50.1095	101		09/01/95	2222
954182-2		51.5	ug/L	50.1095	103		09/01/95	2253
954182-3		52.8	ug/L	50.1095	105		09/01/95	2326
954182-3	MST	52.5	ug/L	50.1095	105		09/01/95	2358
954182-3	MTD	52.8	ug/L	50.1095	105		09/02/95	0030

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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

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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

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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

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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

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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

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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

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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

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CORE LABORATORIES

ANALYTICAL REPORT

Job Number: 954182
Prepared For:

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

Albuquerque, NM 87109

Date: 09/21/95

Signature

9.21.95
Date

Name: David J. Marshall

Title: Project Coordinator

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

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CORE LAB

CORE LABORATORIES, INC.

No. 27103

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Daniel B. Stephens + Assoc., Inc.	PROJECT NAME/NUMBER: ENRON - Roswell / 4115.2
SEND REPORT TO: Bob Marley	**BILLING INFORMATION**
ADDRESS: 6020 Academy, Suite 100, Albuquerque, NM 87109	BILL TO: SAME ADDRESS:
PHONE: 505 822 9400	PHONE:
FAX: 505 822 8877	FAX: PO NO.:

LAB JOB NO. 954182

	SAMPLE NO.	SAMPLE ID/DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERV.	NUMBER OF CONTAINERS	8240 VOCs	8270 SVOCs	8080 Pests/PCBs	Cyanide	Sulfide	Total Metals *	NO3 + NO2	Major Ions + TDS	REMARKS / PRECAUTIONS
1	MW-7		8-23-95	2001	H_2O	Varies	Varies	10	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
5	VOA TRIP BLANK		8-11-95	1600	"	40 ml glass	HCl	1	X								
2	MW-7 (40/42)	SOILS - IN BRASS SLEEVES	8-22-95	1000	SOIL	6.5 x 6" Brass Sleeve	None	2	X					X			
3	MW-7, 30-32	" " " "	8-22-95	0927	"	"	"	2	X					X			→ Analyze for As, Ba, Cr, Hg, Pb only
4	MW-9		8-23-95	1845	H_2O	Varies	Varies	9	X	X	X	X	X	X	X	X	
																	→ Only one 1-liter amber glass

SAMPLER: J. Kirby, J. Forbes

SHIPMENT METHOD: Federal Express

AIRBILL NO.: 6725487090

REQUIRED TURNAROUND:* [ ] SAME DAY [ ] 24 HOURS [ ] 48 HOURS [ ] 72 HOURS [ ] 5 DAYS [ ] 10 DAYS [X] ROUTINE OTHER

1. RELINQUISHED BY: SIGNATURE: Jack J. Kirby - JACK KIRBY	DATE 8-24-95	2. RELINQUISHED BY: SIGNATURE:	DATE	3. RELINQUISHED BY: SIGNATURE:	DATE
PRINTED NAME/COMPANY: Daniel B. Stephens & Assoc.	TIME 1400	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY: SIGNATURE:	DATE 8/25/95	2. RECEIVED BY: SIGNATURE:	DATE	3. RECEIVED BY: SIGNATURE:	DATE
PRINTED NAME/COMPANY: COPE	TIME 0845	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

[X] **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

CORE LABORATORIES

JOB SAMPLE INFORMATION

Report Date: 09/21/95

Job Number.....: 954182
Customer .....: Daniel B. Stevens & Associates
Job Receive Date....: 08/25/95

Project Number.....: 95000185
Customer Project ID....: ENRON-ROSWELL/4115.2
Project Description....: Roswell, NM Soils and Waters

Laboratory Sample ID.	Customer Sample ID.	Sample Matrix	Sample Date	Sample Time	Received Date	Received Time
954182-1	MW-7	Water	08/23/95	20:01	08/25/95	08:45
954182-2	MW-7, 40'-42'	Soil	08/22/95	10:00	08/25/95	08:45
954182-3	MW-7, 30'-32'	Soil	08/22/95	09:27	08/25/95	08:45
954182-4	MW-9	Water	08/23/95	18:45	08/25/95	08:45
954182-5	TRIP BLANK	Water	08/11/95	00:00	08/25/95	08:45

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-7
Sample Date.....: 08/23/95
Sample Time.....: 20:01
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-1
Date Received.....: 08/25/95
Time Received.....: 08:45

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Alkalinity, Total as CaCO3	Unfiltered	136	5	mg/L CaCO3	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO3)	Unfiltered	166	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO3)	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	284	3	mg/L	EPA 325.2	09/05/95 1543	sgm
Nitrate + Nitrite as N	Unfiltered	0.12	0.05	mg/L	EPA 353.2	09/05/95 0956	sgm
Solids, Total Dissolved (TDS)	Filtered	3640	10	mg/L	EPA 160.1	08/28/95 0900	sgm
Sulfate (SO4)	Unfiltered	2000	200	mg/L	EPA 375.2	09/01/95 1436	sgm
Sulfide	Unfiltered	0.08	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	0.0004	0.0002	mg/L	SW-846 7470	09/08/95 0919	lmt
Aluminum (Al)	Total	1.39	0.05	mg/L	SW-846 6010	09/11/95 2356	gag
Antimony (Sb)	Total	<0.1	0.1	mg/L	SW-846 6010	09/11/95 2356	gag
Arsenic (As)	Total	<0.05	0.05	mg/L	SW-846 6010	09/11/95 2356	gag
Barium (Ba)	Total	0.02	0.01	mg/L	SW-846 6010	09/11/95 2356	gag
Beryllium (Be)	Total	<0.005	0.005	mg/L	SW-846 6010	09/11/95 2356	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	09/11/95 2356	gag
Calcium (Ca)	Total	668	0.5	mg/L	SW-846 6010	09/11/95 1633	lmt
Chromium (Cr)	Total	<0.01	0.01	mg/L	SW-846 6010	09/11/95 2356	gag
Cobalt (Co)	Total	<0.03	0.03	mg/L	SW-846 6010	09/11/95 2356	gag
Copper (Cu)	Total	<0.01	0.01	mg/L	SW-846 6010	09/11/95 2356	gag
Lead (Pb)	Total	<0.05	0.05	mg/L	SW-846 6010	09/11/95 2356	gag
Magnesium (Mg)	Total	235	0.1	mg/L	SW-846 6010	09/11/95 1630	lmt
Nickel (Ni)	Total	<0.04	0.04	mg/L	SW-846 6010	09/11/95 2356	gag
Potassium (K)	Total	8.2	0.3	mg/L	SW-846 6010	09/11/95 2356	gag
Selenium (Se)	Total	<0.1	0.1	mg/L	SW-846 6010	09/11/95 2356	gag
Silver (Ag)	Total	<0.01	0.01	mg/L	SW-846 6010	09/11/95 2356	gag
Sodium (Na)	Total	149	1	mg/L	SW-846 6010	09/11/95 1630	lmt
Thallium (Tl)	Total	<0.1	0.1	mg/L	SW-846 6010	09/11/95 2356	gag
Tin (Sn)	Total	<0.05	0.05	mg/L	SW-846 6010	09/11/95 2356	gag
Vanadium (V)	Total	<0.05	0.05	mg/L	SW-846 6010	09/11/95 2356	gag
Zinc (Zn)	Total	0.02	0.01	mg/L	SW-846 6010	09/11/95 2356	gag

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TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cyanide (Colorimetric, Manual)					SW-846 9010		kds
Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L		08/28/95 1000	
Extraction (Sep. Funnel) Chlor. Pest					SW-846 3510		mla
Separatory Funnel Liq/Liq Extraction		ND		Not Applicable		08/29/95	
Pesticide/PCB Analysis (Organochlorine)					SW-846 8080		smc
Aldrin		ND	0.04	ug/L		09/14/95 0824	
beta-BHC		ND	0.06	ug/L		09/14/95 0824	
delta-BHC		ND	0.09	ug/L		09/14/95 0824	
alpha-BHC		ND	0.03	ug/L		09/14/95 0824	
gamma-BHC (Lindane)		ND	0.04	ug/L		09/14/95 0824	
Chlordane		ND	0.14	ug/L		09/14/95 0824	
4,4'-DDD		ND	0.11	ug/L		09/14/95 0824	
4,4'-DDE		ND	0.04	ug/L		09/14/95 0824	
4,4'-DDT		ND	0.12	ug/L		09/14/95 0824	
Dieldrin		ND	0.02	ug/L		09/14/95 0824	
Endosulfan I		ND	0.14	ug/L		09/14/95 0824	
Endosulfan II		ND	0.04	ug/L		09/14/95 0824	
Endosulfan sulfate		ND	0.66	ug/L		09/14/95 0824	
Endrin		ND	0.06	ug/L		09/14/95 0824	
Endrin aldehyde		ND	0.23	ug/L		09/14/95 0824	
Heptachlor		ND	0.03	ug/L		09/14/95 0824	
Heptachlor epoxide		ND	0.83	ug/L		09/14/95 0824	
Methoxychlor		ND	1.8	ug/L		09/14/95 0824	
Toxaphene		ND	2.4	ug/L		09/14/95 0824	
Aroclor 1016		ND	0.5	ug/L		09/14/95 0824	
Aroclor 1221		ND	0.5	ug/L		09/14/95 0824	
Aroclor 1232		ND	0.5	ug/L		09/14/95 0824	
Aroclor 1242		ND	0.5	ug/L		09/14/95 0824	

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Customer Sample ID.: MW-7
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Sample Matrix.....: Water

Laboratory Sample ID.: 954182-1
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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 0824	
Aroclor 1254		ND	0.5	ug/L		09/14/95 0824	
Aroclor 1260		ND	0.5	ug/L		09/14/95 0824	
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 1800	
Acenaphthylene		ND	10	ug/L		09/09/95 1800	
Acetophenone		ND	10	ug/L		09/09/95 1800	
4-Aminobiphenyl		ND	10	ug/L		09/09/95 1800	
Aniline		ND	10	ug/L		09/09/95 1800	
Anthracene		ND	10	ug/L		09/09/95 1800	
Benzidine		ND	50	ug/L		09/09/95 1800	
Benzo(a)anthracene		ND	10	ug/L		09/09/95 1800	
Benzo(b)fluoranthene		ND	10	ug/L		09/09/95 1800	
Benzo(j)fluoranthene		ND	10	ug/L		09/09/95 1800	
Benzo(k)fluoranthene		ND	10	ug/L		09/09/95 1800	
Benzo(ghi)perylene		ND	10	ug/L		09/09/95 1800	
Benzo(a)pyrene		ND	10	ug/L		09/09/95 1800	
Benzyl alcohol		ND	10	ug/L		09/09/95 1800	
Butyl benzyl phthalate		ND	10	ug/L		09/09/95 1800	
Bis(2-chloroethoxy)methane		ND	10	ug/L		09/09/95 1800	
Bis(2-chloroethyl)ether		ND	10	ug/L		09/09/95 1800	
Bis(2-chloroisopropyl)ether		ND	10	ug/L		09/09/95 1800	
Bis(2-ethylhexyl)phthalate		ND	10	ug/L		09/09/95 1800	
4-Bromophenyl phenyl ether		ND	10	ug/L		09/09/95 1800	
4-Chloroaniline		ND	10	ug/L		09/09/95 1800	
Chlorobenzilate		ND	10	ug/L		09/09/95 1800	
1-Chloronaphthalene		ND	10	ug/L		09/09/95 1800	

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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 1800	
4-Chlorophenyl phenyl ether		ND	10	ug/L		09/09/95 1800	
Chrysene		ND	10	ug/L		09/09/95 1800	
Diallate		ND	10	ug/L		09/09/95 1800	
Dibenzo(a,j)acridine		ND	10	ug/L		09/14/95 2355	
Dibenzo(a,h)anthracene		ND	10	ug/L		09/09/95 1800	
Dibenzofuran		ND	10	ug/L		09/09/95 1800	
1,2-Dichlorobenzene		ND	10	ug/L		09/09/95 1800	
1,3-Dichlorobenzene		ND	10	ug/L		09/09/95 1800	
1,4-Dichlorobenzene		ND	10	ug/L		09/09/95 1800	
3,3-Dichlorobenzidine		ND	20	ug/L		09/09/95 1800	
Diethyl phthalate		ND	10	ug/L		09/09/95 1800	
p-Dimethylaminoazobenzene		ND	10	ug/L		09/09/95 1800	
Dimethoate		ND	20	ug/L		09/09/95 1800	
7,12-Dimethylbenz(a)anthracene		ND	10	ug/L		09/09/95 1800	
alpha, alpha-Dimethylphenethylamine		ND	10	ug/L		09/09/95 1800	
Dimethyl phthalate		ND	10	ug/L		09/09/95 1800	
Di-n-butyl phthalate		ND	10	ug/L		09/09/95 1800	
Di-n-octyl phthalate		ND	10	ug/L		09/09/95 1800	
2,4-Dinitrotoluene		ND	10	ug/L		09/09/95 1800	
2,6-Dinitrotoluene		ND	10	ug/L		09/09/95 1800	
Dinoseb (DNBP)		ND	20	ug/L		09/09/95 1800	
Diphenylamine		ND	10	ug/L		09/09/95 1800	
1,2-Diphenylhydrazine		ND	10	ug/L		09/09/95 1800	
Disulfoton		ND	10	ug/L		09/09/95 1800	
Ethyl methane sulfonate		ND	20	ug/L		09/09/95 1800	
Fluoranthene		ND	10	ug/L		09/09/95 1800	
Fluorene		ND	10	ug/L		09/09/95 1800	
Hexachlorobenzene		ND	10	ug/L		09/09/95 1800	
Hexachlorobutadiene		ND	10	ug/L		09/09/95 1800	
Hexachlorocyclopentadiene		ND	10	ug/L		09/09/95 1800	

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Hexachloroethane		ND	10	ug/L		09/09/95 1800	
Hexachlorophene		ND	100	ug/L		09/14/95 2355	
Hexachloropropene		ND	10	ug/L		09/09/95 1800	
Indeno(1,2,3-cd)pyrene		ND	10	ug/L		09/09/95 1800	
Isodrin		ND	10	ug/L		09/09/95 1800	
Isophorone		ND	10	ug/L		09/09/95 1800	
Isosafrole		ND	10	ug/L		09/09/95 1800	
Kepone		ND	50	ug/L		09/14/95 2355	
Methapyrilene		ND	10	ug/L		09/09/95 1800	
3-Methylcholanthrene		ND	10	ug/L		09/09/95 1800	
Methyl methane sulfonate		ND	10	ug/L		09/09/95 1800	
2-Methylnaphthalene		ND	10	ug/L		09/09/95 1800	
Naphthalene		ND	10	ug/L		09/09/95 1800	
1,4-Naphthoquinone		ND	10	ug/L		09/09/95 1800	
1-Naphthylamine		ND	10	ug/L		09/09/95 1800	
2-Naphthylamine		ND	10	ug/L		09/09/95 1800	
o-Nitroaniline		ND	50	ug/L		09/09/95 1800	
m-Nitroaniline		ND	50	ug/L		09/09/95 1800	
p-Nitroaniline		ND	50	ug/L		09/09/95 1800	
Nitrobenzene		ND	10	ug/L		09/09/95 1800	
4-Nitroquinoline-1-oxide		ND	10	ug/L		09/09/95 1800	
n-Nitrosodi-n-butylamine		ND	10	ug/L		09/09/95 1800	
n-Nitrosodiethylamine		ND	10	ug/L		09/09/95 1800	
n-Nitrosodimethylamine		ND	10	ug/L		09/09/95 1800	
n-Nitrosomethylethylamine		ND	10	ug/L		09/09/95 1800	
n-Nitrosomorpholine		ND	10	ug/L		09/09/95 1800	
n-Nitrosodi-n-propylamine		ND	10	ug/L		09/09/95 1800	
n-Nitrosodiphenylamine		ND	10	ug/L		09/09/95 1800	
n-Nitrosopiperidine		ND	10	ug/L		09/09/95 1800	
n-Nitrosopyrolidine		ND	10	ug/L		09/09/95 1800	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1800	

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Ethyl parathion		ND	10	ug/L		09/09/95 1800	
Pentachlorobenzene		ND	10	ug/L		09/09/95 1800	
Pentachloronitrobenzene		ND	10	ug/L		09/09/95 1800	
Phenacetin		ND	10	ug/L		09/09/95 1800	
Phenanthrene		ND	10	ug/L		09/09/95 1800	
p-Phenylenediamine		ND	10	ug/L		09/09/95 1800	
Phorate		ND	10	ug/L		09/09/95 1800	
2-Picoline		ND	10	ug/L		09/09/95 1800	
Pronamide		ND	10	ug/L		09/09/95 1800	
Pyrene		ND	10	ug/L		09/09/95 1800	
Pyridine		ND	10	ug/L		09/09/95 1800	
Safrole		ND	10	ug/L		09/09/95 1800	
1,2,4,5-Tetrachlorobenzene		ND	10	ug/L		09/09/95 1800	
o-Toluidine		ND	10	ug/L		09/09/95 1800	
1,2,4-Trichlorobenzene		ND	10	ug/L		09/09/95 1800	
O,O,O-Triethyl phosphorothioate		ND	10	ug/L		09/09/95 1800	
1,3,5-Trinitrobenzene		ND	10	ug/L		09/09/95 1800	
Benzoic acid		ND	50	ug/L		09/09/95 1800	
4-Chloro-3-methylphenol		ND	10	ug/L		09/09/95 1800	
2-Chlorophenol		ND	10	ug/L		09/09/95 1800	
2,4-Dichlorophenol		ND	10	ug/L		09/09/95 1800	
2,6-Dichlorophenol		ND	10	ug/L		09/09/95 1800	
2,4-Dimethylphenol		ND	10	ug/L		09/09/95 1800	
2,4-Dinitrophenol		ND	50	ug/L		09/09/95 1800	
2-Methyl-4,6-dinitrophenol		ND	50	ug/L		09/09/95 1800	
2-Methylphenol (o-cresol)		ND	10	ug/L		09/09/95 1800	
3 & 4 Methylphenol (m&p cresol)		ND	10	ug/L		09/09/95 1800	
2-Nitrophenol		ND	10	ug/L		09/09/95 1800	
4-Nitrophenol		ND	50	ug/L		09/09/95 1800	
Pentachlorophenol		ND	50	ug/L		09/09/95 1800	
Phenol		ND	10	ug/L		09/09/95 1800	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-7
Sample Date.....: 08/23/95
Sample Time.....: 20:01
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-1
Date Received.....: 08/25/95
Time Received.....: 08:45

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 1800	
2,4,5-Trichlorophenol		ND	10	ug/L		09/09/95 1800	
2,4,6-Trichlorophenol		ND	10	ug/L		09/09/95 1800	
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile		ND	100	ug/L		09/02/95 0004	
Acrolein		ND	50	ug/L		09/02/95 0004	
Acrylonitrile		ND	20	ug/L		09/02/95 0004	
Acetone		ND	100	ug/L		09/02/95 0004	
Allyl chloride		ND	20	ug/L		09/02/95 0004	
Benzene		ND	5	ug/L		09/02/95 0004	
Benzyl chloride		ND	5	ug/L		09/02/95 0004	
Bromobenzene		ND	5	ug/L		09/02/95 0004	
Bromochloromethane		ND	5	ug/L		09/02/95 0004	
Bromodichloromethane		ND	5	ug/L		09/02/95 0004	
Bromoform		ND	5	ug/L		09/02/95 0004	
Bromomethane		ND	10	ug/L		09/02/95 0004	
Methyl ethyl ketone (2-Butanone)		900	100	ug/L		09/02/95 0004	
Carbon disulfide		ND	5	ug/L		09/02/95 0004	
Carbon tetrachloride		ND	5	ug/L		09/02/95 0004	
Chlorobenzene		ND	5	ug/L		09/02/95 0004	
Chloroethane		ND	10	ug/L		09/02/95 0004	
2-Chloroethylvinyl ether		ND	5	ug/L		09/02/95 0004	
Chloroform		ND	5	ug/L		09/02/95 0004	
Chloromethane		ND	5	ug/L		09/02/95 0004	
2-Chloro-1,3-butadiene (chloroprene)		ND	5	ug/L		09/02/95 0004	
Dibromochloromethane		ND	5	ug/L		09/02/95 0004	
1,2-Dibromoethane (EDB)		ND	20	ug/L		09/02/95 0004	
1,2-Dibromo-3-chloropropane		ND	20	ug/L		09/02/95 0004	
Dibromomethane		ND	5	ug/L		09/02/95 0004	
trans-1,4-Dichloro-2-butene		ND	50	ug/L		09/02/95 0004	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-7
Sample Date.....: 08/23/95
Sample Time.....: 20:01
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-1
Date Received.....: 08/25/95
Time Received.....: 08:45

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Dichlorodifluoromethane		ND	10	ug/L		09/02/95 0004	
1,1-Dichloroethane		ND	5	ug/L		09/02/95 0004	
1,2-Dichloroethane		ND	5	ug/L		09/02/95 0004	
1,1-Dichloroethene		ND	5	ug/L		09/02/95 0004	
cis-1,2-Dichloroethene		ND	5	ug/L		09/02/95 0004	
trans-1,2-Dichloroethene		ND	5	ug/L		09/02/95 0004	
1,2-Dichloropropane		ND	5	ug/L		09/02/95 0004	
cis-1,3-Dichloropropene		ND	5	ug/L		09/02/95 0004	
trans-1,3-Dichloropropene		ND	5	ug/L		09/02/95 0004	
Ethylbenzene		ND	5	ug/L		09/02/95 0004	
Ethyl methacrylate		ND	5	ug/L		09/02/95 0004	
2-Hexanone		ND	50	ug/L		09/02/95 0004	
Iodomethane		ND	5	ug/L		09/02/95 0004	
Isobutyl alcohol		ND	50	ug/L		09/02/95 0004	
Methylacrylonitrile		ND	50	ug/L		09/02/95 0004	
Methylene chloride		ND	5	ug/L		09/02/95 0004	
Methyl methacrylate		5	5	ug/L		09/02/95 0004	
4-Methyl-2-pentanone (MIBK)		ND	50	ug/L		09/02/95 0004	
Pentachloroethane		ND	5	ug/L		09/02/95 0004	
Propionitrile		ND	100	ug/L		09/02/95 0004	
Styrene		ND	5	ug/L		09/02/95 0004	
1,1,1,2-Tetrachloroethane		ND	5	ug/L		09/02/95 0004	
1,1,2,2-Tetrachloroethane		ND	5	ug/L		09/02/95 0004	
Tetrachloroethene		ND	5	ug/L		09/02/95 0004	
Toluene		ND	5	ug/L		09/02/95 0004	
1,1,1-Trichloroethane		ND	5	ug/L		09/02/95 0004	
1,1,2-Trichloroethane		ND	5	ug/L		09/02/95 0004	
Trichloroethene		ND	5	ug/L		09/02/95 0004	
Trichlorofluoromethane		ND	10	ug/L		09/02/95 0004	
1,2,3-Trichloropropane		ND	5	ug/L		09/02/95 0004	
Vinyl acetate		ND	50	ug/L		09/02/95 0004	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-7
Sample Date.....: 08/23/95
Sample Time.....: 20:01
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-1
Date Received.....: 08/25/95
Time Received.....: 08:45

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Vinyl chloride		ND	10	ug/L		09/02/95 0004	
Xylenes (total)		ND	5	ug/L		09/02/95 0004	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 40'-42'
Sample Date.....: 08/22/95
Sample Time.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID.: 954182-2
Date Received.....: 08/25/95
Time Received.....: 08:45

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	09/01/95 0100	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/08/95 1046	lmt
Arsenic (As)	Solid	<5	5	mg/Kg	SW-846 6010	09/06/95 2036	gef
Barium (Ba)	Solid	30	1	mg/Kg	SW-846 6010	09/06/95 2036	gef
Chromium (Cr)	Solid	9	1	mg/Kg	SW-846 6010	09/06/95 2036	gef
Lead (Pb)	Solid	5	5	mg/Kg	SW-846 6010	09/06/95 2036	gef
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		09/01/95 2253	
Acrolein	Solid	ND	50	ug/Kg		09/01/95 2253	
Acrylonitrile	Solid	ND	20	ug/Kg		09/01/95 2253	
Acetone	Solid	ND	100	ug/Kg		09/01/95 2253	
Allyl chloride	Solid	ND	20	ug/Kg		09/01/95 2253	
Benzene	Solid	ND	5	ug/Kg		09/01/95 2253	
Benzyl chloride	Solid	ND	5	ug/Kg		09/01/95 2253	
Bromobenzene	Solid	ND	5	ug/Kg		09/01/95 2253	
Bromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2253	
Bromodichloromethane	Solid	ND	5	ug/Kg		09/01/95 2253	
Bromoform	Solid	ND	5	ug/Kg		09/01/95 2253	
Bromomethane	Solid	ND	10	ug/Kg		09/01/95 2253	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		09/01/95 2253	
Carbon disulfide	Solid	ND	5	ug/Kg		09/01/95 2253	
Carbon tetrachloride	Solid	ND	5	ug/Kg		09/01/95 2253	
Chlorobenzene	Solid	ND	5	ug/Kg		09/01/95 2253	
Chloroethane	Solid	ND	10	ug/Kg		09/01/95 2253	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 40'-42'
Sample Date.....: 08/22/95
Sample Time.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID.: 954182-2
Date Received.....: 08/25/95
Time Received.....: 08:45

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 2253	
Chloroform	Solid	ND	5	ug/Kg		09/01/95 2253	
Chloromethane	Solid	ND	5	ug/Kg		09/01/95 2253	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		09/01/95 2253	
Dibromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2253	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		09/01/95 2253	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		09/01/95 2253	
Dibromomethane	Solid	ND	5	ug/Kg		09/01/95 2253	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		09/01/95 2253	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		09/01/95 2253	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2253	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2253	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2253	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2253	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2253	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		09/01/95 2253	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2253	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2253	
Ethylbenzene	Solid	ND	5	ug/Kg		09/01/95 2253	
Ethyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2253	
2-Hexanone	Solid	ND	5	ug/Kg		09/01/95 2253	
Iodomethane	Solid	ND	5	ug/Kg		09/01/95 2253	
Isobutyl alcohol	Solid	ND	50	ug/Kg		09/01/95 2253	
Methylacrylonitrile	Solid	ND	50	ug/Kg		09/01/95 2253	
Methylene chloride	Solid	8 B	5	ug/Kg		09/01/95 2253	
Methyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2253	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		09/01/95 2253	
Pentachloroethane	Solid	ND	5	ug/Kg		09/01/95 2253	
Propionitrile	Solid	ND	100	ug/Kg		09/01/95 2253	
Styrene	Solid	ND	5	ug/Kg		09/01/95 2253	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		09/01/95 2253	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 40'-42'
Sample Date.....: 08/22/95
Sample Time.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID.: 954182-2
Date Received.....: 08/25/95
Time Received.....: 08:45

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 2253	
Tetrachloroethene	Solid	ND	5	ug/Kg		09/01/95 2253	
Toluene	Solid	ND	5	ug/Kg		09/01/95 2253	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2253	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2253	
Trichloroethene	Solid	ND	5	ug/Kg		09/01/95 2253	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		09/01/95 2253	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		09/01/95 2253	
Vinyl acetate	Solid	ND	50	ug/Kg		09/01/95 2253	
Vinyl chloride	Solid	ND	10	ug/Kg		09/01/95 2253	
Xylenes (total)	Solid	ND	5	ug/Kg		09/01/95 2253	

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LABORATORY TESTS RESULTS

Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 30'-32'
Sample Date.....: 08/22/95
Sample Time.....: 09:27
Sample Matrix.....: Soil

Laboratory Sample ID.: 954182-3
Date Received.....: 08/25/95
Time Received.....: 08:45

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	09/01/95 0100	lmt
Mercury (Hg)	Solid	<0.10	0.10	mg/Kg	SW-846 7471	09/08/95 1049	lmt
Arsenic (As)	Solid	<5	5	mg/Kg	SW-846 6010	09/06/95 2039	gef
Barium (Ba)	Solid	48	1	mg/Kg	SW-846 6010	09/06/95 2039	gef
Chromium (Cr)	Solid	11	1	mg/Kg	SW-846 6010	09/06/95 2039	gef
Lead (Pb)	Solid	6	5	mg/Kg	SW-846 6010	09/06/95 2039	gef
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile	Solid	ND	100	ug/Kg		09/01/95 2326	
Acrolein	Solid	ND	50	ug/Kg		09/01/95 2326	
Acrylonitrile	Solid	ND	20	ug/Kg		09/01/95 2326	
Acetone	Solid	ND	100	ug/Kg		09/01/95 2326	
Allyl chloride	Solid	ND	20	ug/Kg		09/01/95 2326	
Benzene	Solid	ND	5	ug/Kg		09/01/95 2326	
Benzyl chloride	Solid	ND	5	ug/Kg		09/01/95 2326	
Bromobenzene	Solid	ND	5	ug/Kg		09/01/95 2326	
Bromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2326	
Bromodichloromethane	Solid	ND	5	ug/Kg		09/01/95 2326	
Bromoform	Solid	ND	5	ug/Kg		09/01/95 2326	
Bromomethane	Solid	ND	10	ug/Kg		09/01/95 2326	
Methyl ethyl ketone (2-Butanone)	Solid	ND	100	ug/Kg		09/01/95 2326	
Carbon disulfide	Solid	ND	5	ug/Kg		09/01/95 2326	
Carbon tetrachloride	Solid	ND	5	ug/Kg		09/01/95 2326	
Chlorobenzene	Solid	ND	5	ug/Kg		09/01/95 2326	
Chloroethane	Solid	ND	10	ug/Kg		09/01/95 2326	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 30'-32'
Sample Date.....: 08/22/95
Sample Time.....: 09:27
Sample Matrix.....: Soil

Laboratory Sample ID.: 954182-3
Date Received.....: 08/25/95
Time Received.....: 08:45

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 2326	
Chloroform	Solid	ND	5	ug/Kg		09/01/95 2326	
Chloromethane	Solid	ND	5	ug/Kg		09/01/95 2326	
2-Chloro-1,3-butadiene (chloroprene)	Solid	ND	5	ug/Kg		09/01/95 2326	
Dibromochloromethane	Solid	ND	5	ug/Kg		09/01/95 2326	
1,2-Dibromoethane (EDB)	Solid	ND	5	ug/Kg		09/01/95 2326	
1,2-Dibromo-3-chloropropane	Solid	ND	5	ug/Kg		09/01/95 2326	
Dibromomethane	Solid	ND	5	ug/Kg		09/01/95 2326	
trans-1,4-Dichloro-2-butene	Solid	ND	50	ug/Kg		09/01/95 2326	
Dichlorodifluoromethane	Solid	ND	10	ug/Kg		09/01/95 2326	
1,1-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2326	
1,2-Dichloroethane	Solid	ND	5	ug/Kg		09/01/95 2326	
1,1-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2326	
cis-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2326	
trans-1,2-Dichloroethene	Solid	ND	5	ug/Kg		09/01/95 2326	
1,2-Dichloropropane	Solid	ND	5	ug/Kg		09/01/95 2326	
cis-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2326	
trans-1,3-Dichloropropene	Solid	ND	5	ug/Kg		09/01/95 2326	
Ethylbenzene	Solid	ND	5	ug/Kg		09/01/95 2326	
Ethyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2326	
2-Hexanone	Solid	ND	5	ug/Kg		09/01/95 2326	
Iodomethane	Solid	ND	5	ug/Kg		09/01/95 2326	
Isobutyl alcohol	Solid	ND	50	ug/Kg		09/01/95 2326	
Methylacrylonitrile	Solid	ND	50	ug/Kg		09/01/95 2326	
Methylene chloride	Solid	7 B	5	ug/Kg		09/01/95 2326	
Methyl methacrylate	Solid	ND	5	ug/Kg		09/01/95 2326	
4-Methyl-2-pentanone (MIBK)	Solid	ND	50	ug/Kg		09/01/95 2326	
Pentachloroethane	Solid	ND	5	ug/Kg		09/01/95 2326	
Propionitrile	Solid	ND	100	ug/Kg		09/01/95 2326	
Styrene	Solid	ND	5	ug/Kg		09/01/95 2326	
1,1,1,2-Tetrachloroethane	Solid	ND	5	ug/Kg		09/01/95 2326	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-7, 30'-32'
Sample Date.....: 08/22/95
Sample Time.....: 09:27
Sample Matrix.....: Soil

Laboratory Sample ID.: 954182-3
Date Received.....: 08/25/95
Time Received.....: 08:45

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 2326	
Tetrachloroethene	Solid	ND	5	ug/Kg		09/01/95 2326	
Toluene	Solid	ND	5	ug/Kg		09/01/95 2326	
1,1,1-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2326	
1,1,2-Trichloroethane	Solid	ND	5	ug/Kg		09/01/95 2326	
Trichloroethene	Solid	ND	5	ug/Kg		09/01/95 2326	
Trichlorofluoromethane	Solid	ND	10	ug/Kg		09/01/95 2326	
1,2,3-Trichloropropane	Solid	ND	5	ug/Kg		09/01/95 2326	
Vinyl acetate	Solid	ND	50	ug/Kg		09/01/95 2326	
Vinyl chloride	Solid	ND	10	ug/Kg		09/01/95 2326	
Xylenes (total)	Solid	ND	5	ug/Kg		09/01/95 2326	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-9
Sample Date.....: 08/23/95
Sample Time.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-4
Date Received.....: 08/25/95
Time Received.....: 08:45

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Alkalinity, Total as CaCO3	Unfiltered	124	5	mg/L CaCO3	EPA 310.1	09/01/95 1600	sgm
Bicarbonate (HCO3)	Unfiltered	151	5	mg/L	SM 2320 B	09/01/95 1600	sgm
Carbonate (CO3)	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	391	3	mg/L	EPA 325.2	09/05/95 1548	sgm
Nitrate + Nitrite as N	Unfiltered	0.38	0.05	mg/L	EPA 353.2	09/05/95 1024	sgm
Solids, Total Dissolved (TDS)	Filtered	4060	10	mg/L	EPA 160.1	08/28/95 0900	sgm
Sulfate (SO4)	Unfiltered	2200	200	mg/L	EPA 375.2	09/01/95 1450	sgm
Sulfide	Unfiltered	0.10	0.05	mg/L	EPA 376.2	08/29/95 0700	pjm
Acid Digestion, Total Metals		completed	0	Not Applicable	SW-846 3010	09/05/95 1050	lmt
Mercury (Hg)	Total	0.0005	0.0002	mg/L	SW-846 7470	09/08/95 0922	lmt
Aluminum (Al)	Total	3.13	0.05	mg/L	SW-846 6010	09/13/95 1449	lmt
Antimony (Sb)	Total	<0.1	0.1	mg/L	SW-846 6010	09/13/95 1449	lmt
Arsenic (As)	Total	<0.05	0.05	mg/L	SW-846 6010	09/13/95 1449	lmt
Barium (Ba)	Total	0.04	0.01	mg/L	SW-846 6010	09/13/95 1449	lmt
Beryllium (Be)	Total	<0.005	0.005	mg/L	SW-846 6010	09/13/95 1449	lmt

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-9
Sample Date.....: 08/23/95
Sample Time.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-4
Date Received.....: 08/25/95
Time Received.....: 08:45

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	09/13/95 1449	lmt
Calcium (Ca)	Total	896	0.5	mg/L	SW-846 6010	09/14/95 1523	lmt
Chromium (Cr)	Total	<0.01	0.01	mg/L	SW-846 6010	09/13/95 1449	lmt
Cobalt (Co)	Total	<0.03	0.03	mg/L	SW-846 6010	09/13/95 1449	lmt
Copper (Cu)	Total	0.01	0.01	mg/L	SW-846 6010	09/13/95 1449	lmt
Lead (Pb)	Total	<0.05	0.05	mg/L	SW-846 6010	09/13/95 1449	lmt
Magnesium (Mg)	Total	232	0.1	mg/L	SW-846 6010	09/13/95 1449	lmt
Nickel (Ni)	Total	<0.04	0.04	mg/L	SW-846 6010	09/13/95 1449	lmt
Potassium (K)	Total	17	2	mg/L	SW-846 7610	09/21/95 1255	lmt
Selenium (Se)	Total	<0.1	0.1	mg/L	SW-846 6010	09/13/95 1449	lmt
Silver (Ag)	Total	<0.01	0.01	mg/L	SW-846 6010	09/13/95 1449	lmt
Sodium (Na)	Total	230	5	mg/L	SW-846 6010	09/13/95 1531	lmt
Thallium (Tl)	Total	<0.1	0.1	mg/L	SW-846 6010	09/13/95 1449	lmt
Tin (Sn)	Total	<0.05	0.05	mg/L	SW-846 6010	09/14/95 1519	lmt
Vanadium (V)	Total	<0.05	0.05	mg/L	SW-846 6010	09/13/95 1449	lmt
Zinc (Zn)	Total	0.03	0.01	mg/L	SW-846 6010	09/13/95 1449	lmt

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-9
Sample Date.....: 08/23/95
Sample Time.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-4
Date Received.....: 08/25/95
Time Received.....: 08:45

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Cyanide (Colorimetric, Manual)					SW-846 9010		kds
Cyanide (CN)	Unfiltered	<0.02	0.02	mg/L		08/28/95 1000	
Extraction (Sep. Funnel) Chlor. Pest					SW-846 3510		jbd
Separatory Funnel Liq/Liq Extraction		ND		Not Applicable		08/31/95 0000	
Pesticide/PCB Analysis (Organochlorine)					SW-846 8080		smc
Aldrin		ND	0.04	ug/L		09/13/95 1702	
beta-BHC		ND	0.06	ug/L		09/13/95 1702	
delta-BHC		ND	0.09	ug/L		09/13/95 1702	
alpha-BHC		ND	0.03	ug/L		09/13/95 1702	
gamma-BHC (Lindane)		ND	0.04	ug/L		09/13/95 1702	
Chlordane		ND	0.14	ug/L		09/13/95 1702	
4,4'-DDD		ND	0.11	ug/L		09/13/95 1702	
4,4'-DDE		ND	0.04	ug/L		09/13/95 1702	
4,4'-DDT		ND	0.12	ug/L		09/13/95 1702	
Dieldrin		ND	0.02	ug/L		09/13/95 1702	
Endosulfan I		ND	0.14	ug/L		09/13/95 1702	
Endosulfan II		ND	0.04	ug/L		09/13/95 1702	
Endosulfan sulfate		ND	0.66	ug/L		09/13/95 1702	
Endrin		ND	0.06	ug/L		09/13/95 1702	
Endrin aldehyde		ND	0.23	ug/L		09/13/95 1702	
Heptachlor		ND	0.03	ug/L		09/13/95 1702	
Heptachlor epoxide		ND	0.83	ug/L		09/13/95 1702	
Methoxychlor		ND	1.8	ug/L		09/13/95 1702	
Toxaphene		ND	2.4	ug/L		09/13/95 1702	
Aroclor 1016		ND	0.5	ug/L		09/13/95 1702	
Aroclor 1221		ND	0.5	ug/L		09/13/95 1702	
Aroclor 1232		ND	0.5	ug/L		09/13/95 1702	
Aroclor 1242		ND	0.5	ug/L		09/13/95 1702	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-9
Sample Date.....: 08/23/95
Sample Time.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-4
Date Received.....: 08/25/95
Time Received.....: 08:45

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 1702	
Aroclor 1254		ND	0.5	ug/L		09/13/95 1702	
Aroclor 1260		ND	0.5	ug/L		09/13/95 1702	
Extraction (Sep. Funnel) SVOC					SW-846 3510		jbd
Separatory Funnel Liq/Liq Extraction		ND	0	Not Applicable		08/30/95 0000	
Semivolatile Organics (Client List)					SW-846 8270		mla
Acenaphthene		ND	10	ug/L		09/09/95 1955	
Acenaphthylene		ND	10	ug/L		09/09/95 1955	
Acetophenone		ND	10	ug/L		09/09/95 1955	
4-Aminobiphenyl		ND	10	ug/L		09/09/95 1955	
Aniline		ND	10	ug/L		09/09/95 1955	
Anthracene		ND	10	ug/L		09/09/95 1955	
Benzidine		ND	50	ug/L		09/09/95 1955	
Benzo(a)anthracene		ND	10	ug/L		09/09/95 1955	
Benzo(b)fluoranthene		ND	10	ug/L		09/09/95 1955	
Benzo(j)fluoranthene		ND	10	ug/L		09/09/95 1955	
Benzo(k)fluoranthene		ND	10	ug/L		09/09/95 1955	
Benzo(ghi)perylene		ND	10	ug/L		09/09/95 1955	
Benzo(a)pyrene		ND	10	ug/L		09/09/95 1955	
Benzyl alcohol		ND	10	ug/L		09/09/95 1955	
Butyl benzyl phthalate		ND	10	ug/L		09/09/95 1955	
Bis(2-chloroethoxy)methane		ND	10	ug/L		09/09/95 1955	
Bis(2-chloroethyl)ether		ND	10	ug/L		09/09/95 1955	
Bis(2-chloroisopropyl)ether		ND	10	ug/L		09/09/95 1955	
Bis(2-ethylhexyl)phthalate		ND	10	ug/L		09/09/95 1955	
4-Bromophenyl phenyl ether		ND	10	ug/L		09/09/95 1955	
4-Chloroaniline		ND	10	ug/L		09/09/95 1955	
Chlorobenzilate		ND	10	ug/L		09/09/95 1955	
1-Chloronaphthalene		ND	10	ug/L		09/09/95 1955	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-9
Sample Date.....: 08/23/95
Sample Time.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-4
Date Received.....: 08/25/95
Time Received.....: 08:45

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 1955	
4-Chlorophenyl phenyl ether		ND	10	ug/L		09/09/95 1955	
Chrysene		ND	10	ug/L		09/09/95 1955	
Diallate		ND	10	ug/L		09/09/95 1955	
Dibenzo(a,j)acridine		ND	10	ug/L		09/15/95 1252	
Dibenzo(a,h)anthracene		ND	10	ug/L		09/09/95 1955	
Dibenzofuran		ND	10	ug/L		09/09/95 1955	
1,2-Dichlorobenzene		ND	10	ug/L		09/09/95 1955	
1,3-Dichlorobenzene		ND	10	ug/L		09/09/95 1955	
1,4-Dichlorobenzene		ND	10	ug/L		09/09/95 1955	
3,3-Dichlorobenzidine		ND	20	ug/L		09/09/95 1955	
Diethyl phthalate		ND	10	ug/L		09/09/95 1955	
p-Dimethylaminoazobenzene		ND	10	ug/L		09/09/95 1955	
Dimethoate		ND	20	ug/L		09/09/95 1955	
7,12-Dimethylbenz(a)anthracene		ND	10	ug/L		09/09/95 1955	
alpha, alpha-Dimethylphenethylamine		ND	10	ug/L		09/09/95 1955	
Dimethyl phthalate		ND	10	ug/L		09/09/95 1955	
Di-n-butyl phthalate		ND	10	ug/L		09/09/95 1955	
Di-n-octyl phthalate		ND	10	ug/L		09/09/95 1955	
2,4-Dinitrotoluene		ND	10	ug/L		09/09/95 1955	
2,6-Dinitrotoluene		ND	10	ug/L		09/09/95 1955	
Dinoseb (DNBP)		ND	20	ug/L		09/09/95 1955	
Diphenylamine		ND	10	ug/L		09/09/95 1955	
1,2-Diphenylhydrazine		ND	10	ug/L		09/09/95 1955	
Disulfoton		ND	10	ug/L		09/09/95 1955	
Ethyl methane sulfonate		ND	20	ug/L		09/09/95 1955	
Fluoranthene		ND	10	ug/L		09/09/95 1955	
Fluorene		ND	10	ug/L		09/09/95 1955	
Hexachlorobenzene		ND	10	ug/L		09/09/95 1955	
Hexachlorobutadiene		ND	10	ug/L		09/09/95 1955	
Hexachlorocyclopentadiene		ND	10	ug/L		09/09/95 1955	

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LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-9
Sample Date.....: 08/23/95
Sample Time.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-4
Date Received.....: 08/25/95
Time Received.....: 08:45

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Hexachloroethane		ND	10	ug/L		09/09/95 1955	
Hexachlorophene		ND	100	ug/L		09/15/95 1252	
Hexachloropropene		ND	10	ug/L		09/09/95 1955	
Indeno(1,2,3-cd)pyrene		ND	10	ug/L		09/09/95 1955	
Isodrin		ND	10	ug/L		09/09/95 1955	
Isophorone		ND	10	ug/L		09/09/95 1955	
Isosafrole		ND	10	ug/L		09/09/95 1955	
Kepone		ND	50	ug/L		09/15/95 1252	
Methapyrilene		ND	10	ug/L		09/09/95 1955	
3-Methylcholanthrene		ND	10	ug/L		09/09/95 1955	
Methyl methane sulfonate		ND	10	ug/L		09/09/95 1955	
2-Methylnaphthalene		ND	10	ug/L		09/09/95 1955	
Naphthalene		ND	10	ug/L		09/09/95 1955	
1,4-Naphthoquinone		ND	10	ug/L		09/09/95 1955	
1-Naphthylamine		ND	10	ug/L		09/09/95 1955	
2-Naphthylamine		ND	10	ug/L		09/09/95 1955	
o-Nitroaniline		ND	50	ug/L		09/09/95 1955	
m-Nitroaniline		ND	50	ug/L		09/09/95 1955	
p-Nitroaniline		ND	50	ug/L		09/09/95 1955	
Nitrobenzene		ND	10	ug/L		09/09/95 1955	
4-Nitroquinoline-1-oxide		ND	10	ug/L		09/09/95 1955	
n-Nitrosodi-n-butylamine		ND	10	ug/L		09/09/95 1955	
n-Nitrosodiethylamine		ND	10	ug/L		09/09/95 1955	
n-Nitrosodimethylamine		ND	10	ug/L		09/09/95 1955	
n-Nitrosomethylethylamine		ND	10	ug/L		09/09/95 1955	
n-Nitrosomorpholine		ND	10	ug/L		09/09/95 1955	
n-Nitrosodi-n-propylamine		ND	10	ug/L		09/09/95 1955	
n-Nitrosodiphenylamine		ND	10	ug/L		09/09/95 1955	
n-Nitrosopiperidine		ND	10	ug/L		09/09/95 1955	
n-Nitrosopyrolidine		ND	10	ug/L		09/09/95 1955	
5-Nitro-o-toluidine		ND	10	ug/L		09/09/95 1955	

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JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-9
Sample Date.....: 08/23/95
Sample Time.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-4
Date Received.....: 08/25/95
Time Received.....: 08:45

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 1955	
Pentachlorobenzene		ND	10	ug/L		09/09/95 1955	
Pentachloronitrobenzene		ND	10	ug/L		09/09/95 1955	
Phenacetin		ND	10	ug/L		09/09/95 1955	
Phenanthrene		ND	10	ug/L		09/09/95 1955	
p-Phenylenediamine		ND	10	ug/L		09/09/95 1955	
Phorate		ND	10	ug/L		09/09/95 1955	
2-Picoline		ND	10	ug/L		09/09/95 1955	
Pronamide		ND	10	ug/L		09/09/95 1955	
Pyrene		ND	10	ug/L		09/09/95 1955	
Pyridine		ND	10	ug/L		09/09/95 1955	
Safrole		ND	10	ug/L		09/09/95 1955	
1,2,4,5-Tetrachlorobenzene		ND	10	ug/L		09/09/95 1955	
o-Toluidine		ND	10	ug/L		09/09/95 1955	
1,2,4-Trichlorobenzene		ND	10	ug/L		09/09/95 1955	
O,O,O-Triethyl phosphorothioate		ND	10	ug/L		09/09/95 1955	
1,3,5-Trinitrobenzene		ND	10	ug/L		09/09/95 1955	
Benzoic acid		ND	50	ug/L		09/09/95 1955	
4-Chloro-3-methylphenol		ND	10	ug/L		09/09/95 1955	
2-Chlorophenol		ND	10	ug/L		09/09/95 1955	
2,4-Dichlorophenol		ND	10	ug/L		09/09/95 1955	
2,6-Dichlorophenol		ND	10	ug/L		09/09/95 1955	
2,4-Dimethylphenol		ND	10	ug/L		09/09/95 1955	
2,4-Dinitrophenol		ND	50	ug/L		09/09/95 1955	
2-Methyl-4,6-dinitrophenol		ND	50	ug/L		09/09/95 1955	
2-Methylphenol (o-cresol)		ND	10	ug/L		09/09/95 1955	
3 & 4 Methylphenol (m&p cresol)		ND	10	ug/L		09/09/95 1955	
2-Nitrophenol		ND	10	ug/L		09/09/95 1955	
4-Nitrophenol		ND	50	ug/L		09/09/95 1955	
Pentachlorophenol		ND	50	ug/L		09/09/95 1955	
Phenol		ND	10	ug/L		09/09/95 1955	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-9
Sample Date.....: 08/23/95
Sample Time.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-4
Date Received.....: 08/25/95
Time Received.....: 08:45

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 1955	
2,4,5-Trichlorophenol		ND	10	ug/L		09/09/95 1955	
2,4,6-Trichlorophenol		ND	10	ug/L		09/09/95 1955	
Volatile Organics (Client Requested)					SW-846 8240		bfr
Acetonitrile		ND	100	ug/L		09/02/95 0036	
Acrolein		ND	50	ug/L		09/02/95 0036	
Acrylonitrile		ND	20	ug/L		09/02/95 0036	
Acetone		ND	100	ug/L		09/02/95 0036	
Allyl chloride		ND	20	ug/L		09/02/95 0036	
Benzene		ND	5	ug/L		09/02/95 0036	
Benzyl chloride		ND	5	ug/L		09/02/95 0036	
Bromobenzene		ND	5	ug/L		09/02/95 0036	
Bromochloromethane		ND	5	ug/L		09/02/95 0036	
Bromodichloromethane		ND	5	ug/L		09/02/95 0036	
Bromoform		ND	5	ug/L		09/02/95 0036	
Bromomethane		ND	10	ug/L		09/02/95 0036	
Methyl ethyl ketone (2-Butanone)		ND	100	ug/L		09/02/95 0036	
Carbon disulfide		ND	5	ug/L		09/02/95 0036	
Carbon tetrachloride		ND	5	ug/L		09/02/95 0036	
Chlorobenzene		ND	5	ug/L		09/02/95 0036	
Chloroethane		ND	10	ug/L		09/02/95 0036	
2-Chloroethylvinyl ether		ND	5	ug/L		09/02/95 0036	
Chloroform		ND	5	ug/L		09/02/95 0036	
Chloromethane		ND	5	ug/L		09/02/95 0036	
2-Chloro-1,3-butadiene (chloroprene)		ND	5	ug/L		09/02/95 0036	
Dibromochloromethane		ND	5	ug/L		09/02/95 0036	
1,2-Dibromoethane (EDB)		ND	20	ug/L		09/02/95 0036	
1,2-Dibromo-3-chloropropane		ND	20	ug/L		09/02/95 0036	
Dibromomethane		ND	5	ug/L		09/02/95 0036	
trans-1,4-Dichloro-2-butene		ND	50	ug/L		09/02/95 0036	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-9
Sample Date.....: 08/23/95
Sample Time.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-4
Date Received.....: 08/25/95
Time Received.....: 08:45

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Dichlorodifluoromethane		ND	10	ug/L		09/02/95 0036	
1,1-Dichloroethane		ND	5	ug/L		09/02/95 0036	
1,2-Dichloroethane		ND	5	ug/L		09/02/95 0036	
1,1-Dichloroethene		ND	5	ug/L		09/02/95 0036	
cis-1,2-Dichloroethene		ND	5	ug/L		09/02/95 0036	
trans-1,2-Dichloroethene		ND	5	ug/L		09/02/95 0036	
1,2-Dichloropropane		ND	5	ug/L		09/02/95 0036	
cis-1,3-Dichloropropene		ND	5	ug/L		09/02/95 0036	
trans-1,3-Dichloropropene		ND	5	ug/L		09/02/95 0036	
Ethylbenzene		ND	5	ug/L		09/02/95 0036	
Ethyl methacrylate		ND	5	ug/L		09/02/95 0036	
2-Hexanone		ND	50	ug/L		09/02/95 0036	
Iodomethane		ND	5	ug/L		09/02/95 0036	
Isobutyl alcohol		ND	50	ug/L		09/02/95 0036	
Methylacrylonitrile		ND	50	ug/L		09/02/95 0036	
Methylene chloride		ND	5	ug/L		09/02/95 0036	
Methyl methacrylate		ND	5	ug/L		09/02/95 0036	
4-Methyl-2-pentanone (MIBK)		ND	50	ug/L		09/02/95 0036	
Pentachloroethane		ND	5	ug/L		09/02/95 0036	
Propionitrile		ND	100	ug/L		09/02/95 0036	
Styrene		ND	5	ug/L		09/02/95 0036	
1,1,1,2-Tetrachloroethane		ND	5	ug/L		09/02/95 0036	
1,1,2,2-Tetrachloroethane		ND	5	ug/L		09/02/95 0036	
Tetrachloroethene		ND	5	ug/L		09/02/95 0036	
Toluene		ND	5	ug/L		09/02/95 0036	
1,1,1-Trichloroethane		ND	5	ug/L		09/02/95 0036	
1,1,2-Trichloroethane		ND	5	ug/L		09/02/95 0036	
Trichloroethene		ND	5	ug/L		09/02/95 0036	
Trichlorofluoromethane		ND	10	ug/L		09/02/95 0036	
1,2,3-Trichloropropane		ND	5	ug/L		09/02/95 0036	
Vinyl acetate		ND	50	ug/L		09/02/95 0036	

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CORE LABORATORIES

LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 CUSTOMER: Daniel B. Stevens & Associates ATTN: Jeff Forbes

Customer Sample ID.: MW-9
Sample Date.....: 08/23/95
Sample Time.....: 18:45
Sample Matrix.....: Water

Laboratory Sample ID.: 954182-4
Date Received.....: 08/25/95
Time Received.....: 08:45

TEST DESCRIPTION	TEST MATRIX	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE ANALYZED	TECHNICIAN
Vinyl chloride		ND	10	ug/L		09/02/95 0036	
Xylenes (total)		ND	5	ug/L		09/02/95 0036	

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LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 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.: 954182-5
Date Received.....: 08/25/95
Time Received.....: 08:45

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 2052	
Acrolein		ND	50	ug/L		09/01/95 2052	
Acrylonitrile		ND	20	ug/L		09/01/95 2052	
Acetone		ND	100	ug/L		09/01/95 2052	
Allyl chloride		ND	20	ug/L		09/01/95 2052	
Benzene		ND	5	ug/L		09/01/95 2052	
Benzyl chloride		ND	5	ug/L		09/01/95 2052	
Bromobenzene		ND	5	ug/L		09/01/95 2052	
Bromochloromethane		ND	5	ug/L		09/01/95 2052	
Bromodichloromethane		ND	5	ug/L		09/01/95 2052	
Bromoform		ND	5	ug/L		09/01/95 2052	
Bromomethane		ND	10	ug/L		09/01/95 2052	
Methyl ethyl ketone (2-Butanone)		ND	100	ug/L		09/01/95 2052	
Carbon disulfide		ND	5	ug/L		09/01/95 2052	
Carbon tetrachloride		ND	5	ug/L		09/01/95 2052	
Chlorobenzene		ND	5	ug/L		09/01/95 2052	
Chloroethane		ND	10	ug/L		09/01/95 2052	
2-Chloroethylvinyl ether		ND	5	ug/L		09/01/95 2052	
Chloroform		ND	5	ug/L		09/01/95 2052	
Chloromethane		ND	5	ug/L		09/01/95 2052	
2-Chloro-1,3-butadiene (chloroprene)		ND	5	ug/L		09/01/95 2052	
Dibromochloromethane		ND	5	ug/L		09/01/95 2052	
1,2-Dibromoethane (EDB)		ND	20	ug/L		09/01/95 2052	
1,2-Dibromo-3-chloropropane		ND	20	ug/L		09/01/95 2052	
Dibromomethane		ND	5	ug/L		09/01/95 2052	
trans-1,4-Dichloro-2-butene		ND	50	ug/L		09/01/95 2052	
Dichlorodifluoromethane		ND	10	ug/L		09/01/95 2052	
1,1-Dichloroethane		ND	5	ug/L		09/01/95 2052	
1,2-Dichloroethane		ND	5	ug/L		09/01/95 2052	

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LABORATORY TESTS RESULTS
Report Date: 09/21/95

JOB NUMBER: 954182 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.: 954182-5
Date Received.....: 08/25/95
Time Received.....: 08:45

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 2052	
cis-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2052	
trans-1,2-Dichloroethene		ND	5	ug/L		09/01/95 2052	
1,2-Dichloropropane		ND	5	ug/L		09/01/95 2052	
cis-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2052	
trans-1,3-Dichloropropene		ND	5	ug/L		09/01/95 2052	
Ethylbenzene		ND	5	ug/L		09/01/95 2052	
Ethyl methacrylate		ND	5	ug/L		09/01/95 2052	
2-Hexanone		ND	50	ug/L		09/01/95 2052	
Iodomethane		ND	5	ug/L		09/01/95 2052	
Isobutyl alcohol		ND	50	ug/L		09/01/95 2052	
Methylacrylonitrile		ND	50	ug/L		09/01/95 2052	
Methylene chloride		ND	5	ug/L		09/01/95 2052	
Methyl methacrylate		ND	5	ug/L		09/01/95 2052	
4-Methyl-2-pentanone (MIBK)		ND	50	ug/L		09/01/95 2052	
Pentachloroethane		ND	5	ug/L		09/01/95 2052	
Propionitrile		ND	100	ug/L		09/01/95 2052	
Styrene		ND	5	ug/L		09/01/95 2052	
1,1,1,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2052	
1,1,2,2-Tetrachloroethane		ND	5	ug/L		09/01/95 2052	
Tetrachloroethene		ND	5	ug/L		09/01/95 2052	
Toluene		ND	5	ug/L		09/01/95 2052	
1,1,1-Trichloroethane		ND	5	ug/L		09/01/95 2052	
1,1,2-Trichloroethane		ND	5	ug/L		09/01/95 2052	
Trichloroethene		ND	5	ug/L		09/01/95 2052	
Trichlorofluoromethane		ND	10	ug/L		09/01/95 2052	
1,2,3-Trichloropropane		ND	5	ug/L		09/01/95 2052	
Vinyl acetate		ND	50	ug/L		09/01/95 2052	
Vinyl chloride		ND	10	ug/L		09/01/95 2052	
Xylenes (total)		ND	5	ug/L		09/01/95 2052	

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
ICV	Initial Calibration Verification	G950829B			5	08/29/95 0700

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfide	0.05	0.41	0.40000			102.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCB	Continuing Calibration Blank					08/29/95 0700

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfide	0.05	0.00			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MD	Method Duplicate		954178-1	Unfiltered		08/29/95 0700

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfide	0.05	0.00		0.00			0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike	G950829A	954178-1	Unfiltered	500	08/29/95 0700

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfide	0.05	0.56	0.61600	0.00		90.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCV	Continuing Calibration Verification	G950829B			5	08/29/95 0700

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfide	0.05	0.38	0.40000			95.0

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					08/29/95	0700

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfide	0.05	0.00			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
DU	Method Duplicate		954192-6			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD
Separatory Funnel Liq/Liq Extraction		ND		ND		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike		954192-17			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Separatory Funnel Liq/Liq Extraction		ND		ND		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MB	Method Blank					08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction		ND			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					08/29/95	0000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction	0	ND			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date
DU	Method Duplicate		954192-6			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD
Separatory Funnel Liq/Liq Extraction	0	ND		ND		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date
MS	Matrix Spike		954192-17			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Separatory Funnel Liq/Liq Extraction	0	ND		ND		

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MB	Method Blank					08/29/95 0000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction	0	ND			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date
MS	Matrix Spike		954187-16			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Separatory Funnel Liq/Liq Extraction	0	ND		ND		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date
DU	Method Duplicate		954187-5			08/29/95

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD
Separatory Funnel Liq/Liq Extraction	0	ND		ND		

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					08/28/95	0900

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Solids, Total Dissolved (TDS)	10	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	G950427A				08/28/95	0900

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Solids, Total Dissolved (TDS)	10	504	500			100.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-1	Filtered		08/28/95	0900

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Solids, Total Dissolved (TDS)	10	3630		3650		0	

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/01/95	1600

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Alkalinity, Total as CaCO3	5	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	G950712B				09/01/95	1600

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Alkalinity, Total as CaCO3	5	102	100			102.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-1	Unfiltered		09/01/95	1600

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Alkalinity, Total as CaCO3	5	115		116		0	

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Carbonate/Bicarbonate/Hydroxide
Method Code.....: 2320B
Batch Code.....: 1731

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

Calc Code.....: ALK4
Equipment Code..:
Import Code.....:

Analyst ...: sgm
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MIX	Dilution Factor	Date	Time
MB	Method Blank					09/01/95	1600

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Bicarbonate (HCO3)	5	0			
Carbonate (CO3)	1	0			
Hydroxide (OH)	1	0			

QC Type	Description	Reag. Code	Lab ID	MIX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-1	Unfiltered		09/01/95	1600

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Bicarbonate (HCO3)	5	140		142		1	
Carbonate (CO3)	1	0		0			0
Hydroxide (OH)	1	0		0			0

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QUALITY CONTROL REPORT
Report Date: 09/21/95

Method Description.: Sulfate (Automated MTB, AAII)
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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICL	Initial Calibration/Lab Control Sample	G950517A				09/01/95	0900

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	78	75			104.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/01/95	0913

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954196-1	Unfiltered		09/01/95	0940

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (SO4)	10	18		19			1

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G950328A	954196-1	Unfiltered	20	09/01/95	0954

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	67	50.00000	19		96.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954205-1	Unfiltered		09/01/95	1021

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (SO4)	10	6		6			0

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QUALITY CONTROL REPORT
Report Date: 09/21/95

Method Description.: Sulfate (Automated MTB, AAII)
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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G950328A	954205-1	Unfiltered	20	09/01/95	1034

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

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

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

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

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Sulfate (Automated MTB, AAII)
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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954196-2	Unfiltered		09/01/95	1302

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sulfate (SO4)	10	13		15			2

MS	Matrix Spike	G950328A	954196-2	Unfiltered	20	09/01/95	1316

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	62	50.00000	15		94.0

CCV	Continuing Calibration Verification	G950720C				09/01/95	1409

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	1423

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			

CCV	Continuing Calibration Verification	G950720C				09/01/95	1503

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sulfate (SO4)	10	124	120			103.3

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Sulfate (Automated MTB, AAII)
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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/01/95	1517

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Sulfate (SO4)	10	0			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICL	Initial Calibration/Lab Control Sample	G950712A			200	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.49	0.50000			98.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
DSC	Distilled Std. Check	G950828A			200	08/28/95	1000

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Cyanide (CN)	0.02	0.45	0.50000			90.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954187-2	Unfiltered		08/28/95	1000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Cyanide (CN)	0.02	0.00		0.00			0

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G950828A	954187-21	Unfiltered	400	08/28/95	1000

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

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

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

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

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Cyanide (CN)	0.02	0.00			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acid Digestion, Total Metals	0	completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E			10	09/01/95	1100

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		951855-1			09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	951855-3			09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954188-1			09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954192-1			09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954183-1	Total		09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954183-2	Total		09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acid Digestion, Total Metals	0	completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/01/95	1100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E			10	09/01/95	1100

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Acid Digestion: Solids
Method Code.....: 3050
Batch Code.....: 1770

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

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

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/01/95	0100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acid Digestion: Solids	0	completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				09/01/95	0100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954206-1			09/01/95	0100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion: Solids	0	completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954206-2			09/01/95	0100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion: Solids	0	completed		completed		

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Acid Digestion, Total Metals
Method Code.....: 3010
Batch Code.....: 1771

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

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

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/05/95	1050

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Acid Digestion, Total Metals	0	completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/05/95	1050

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/05/95	1050

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/05/95	1050

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/05/95	1050

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Acid Digestion, Total Metals
Method Code.....: 3010
Batch Code.....: 1771

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

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

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E			10	09/05/95	1050

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E			10	09/05/95	1050

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed				

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954153-1			09/05/95	1050

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954200-1	Total		09/05/95	1050

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954212-4			09/05/95	1050

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Acid Digestion, Total Metals	0	completed		completed		

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Acid Digestion, Total Metals
Method Code.....: 3010
Batch Code.....: 1771

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

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

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MD	Method Duplicate		954212-4			09/05/95 1050

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Acid Digestion, Total Metals	0	completed		completed			

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Nitrogen, NO3 + NO2 (Auto Cd Red.)
Method Code.....: 353.2P
Batch Code.....: 1776

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

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

Analyst ...: sgm
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICL	Initial Calibration/Lab Control Sample	G941014A			100	09/05/95	0900

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Nitrate + Nitrite as N	0.05	0.98	1.00000			98.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/05/95	0928

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Nitrate + Nitrite as N	0.05	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954196-1	Unfiltered		09/05/95	1147

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Nitrate + Nitrite as N	0.05	2.75		2.72		1	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G941108B	954196-1	Unfiltered	100	09/05/95	1215

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Nitrate + Nitrite as N	0.05	3.70	1.00000	2.72		98.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G941108B			50	09/05/95	1434

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Nitrate + Nitrite as N	0.05	2.02	2.00000			101.0

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Nitrogen, NO3 + NO2 (Auto Cd Red.)
Method Code.....: 353.2P
Batch Code.....: 1776

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

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

Analyst ...: sgm
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/05/95	1502

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Nitrate + Nitrite as N	0.05	0			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank			Solid		09/01/95	1909

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			

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CORE LABORATORIES

QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank			Solid		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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
RS	Reference Standard	V950901C		Solid		09/01/95	2013

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

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

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CORELAB

CORE LABORATORIES

QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MTD	Matrix Spike Duplicate	V9509018	954182-3	Solid		09/02/95	0030

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

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			

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CORE LABORATORIES

QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

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
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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
RS	Reference Standard	V950901C				09/01/95 1948

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
ST	Spiked Blank	V950901D				09/02/95 0108

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

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
STD	Spiked Blank Duplicate	V950901D				09/02/95 0140

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950531B				09/06/95	1722

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	1.87242	2.00			93.6
Chromium (Cr)	0.01	1.91937	2.00			96.0
Lead (Pb)	0.05	1.91286	2.00			95.6

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	1206H				09/06/95	1726

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Barium (Ba)	0.01	2.03721	2.00			101.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank	950815J				09/06/95	1743

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	-0.00788			
Barium (Ba)	0.01	-0.00106			
Chromium (Cr)	0.01	-0.00358			
Lead (Pb)	0.05	-0.00491			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/06/95	1801

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	0.96031	1.000			96.0
Barium (Ba)	0.01	0.51016	0.5000			102.0
Chromium (Cr)	0.01	0.45666	0.5000			91.3
Lead (Pb)	0.05	1.19864	1.000			119.9

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0901				09/06/95	1806

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	0.03788			
Barium (Ba)	0.01	-0.00106			
Chromium (Cr)	0.01	-0.00118			
Lead (Pb)	0.05	0.02216			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950227E				09/06/95	1810

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Barium (Ba)	0.01	1.12280	1.00			112.3
Chromium (Cr)	0.01	1.07021	1.00			107.0
Lead (Pb)	0.05	1.00845	1.00			100.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	950227E				09/06/95	1814

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	RPD
Barium (Ba)	0.01	1.17458	1.00		1.12280	117.5	4.5
Chromium (Cr)	0.01	1.13119	1.00		1.07021	113.1	5.5
Lead (Pb)	0.05	1.05280	1.00		1.00845	105.3	4.3

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950227D				09/06/95	1826

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	1.03881	1.00			103.9

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	950227D				09/06/95	1827

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	RPD
Arsenic (As)	0.05	1.04517	1.00		1.03881	104.5	0.6

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	1832

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.43009	2.5			97.2
Barium (Ba)	0.01	5.13393	5.0			102.7
Chromium (Cr)	0.01	2.40940	2.5			96.4
Lead (Pb)	0.05	2.36194	2.5			94.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/06/95	1846

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	-0.00313			
Barium (Ba)	0.01	-0.00128			
Chromium (Cr)	0.01	-0.00357			
Lead (Pb)	0.05	-0.00981			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank	950821D				09/06/95	1849

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	0.98894	1.000			98.9
Barium (Ba)	0.01	1.08215	1.000			108.2
Chromium (Cr)	0.01	0.99834	1.000			99.8
Lead (Pb)	0.05	0.99613	1.000			99.6

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CORE LABORATORIES

QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SBD	Spiked Blank Duplicate	950821D				09/06/95	1852

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC	RPD
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
Chromium (Cr)	0.01	1.01267	1.000		0.99834	101.3	1.4
Lead (Pb)	0.05	1.00611	1.000		0.99613	100.6	1.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954121-14	Oil		09/06/95	1925

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	1.26068	1.000	0.02899		123.2
Barium (Ba)	0.01	1.27000	1.000	0.09413		117.6
Chromium (Cr)	0.01	1.08204	1.000	0.00731		107.5
Lead (Pb)	0.05	1.07207	1.000	0.09546		97.7

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	1944

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.46419	2.5			98.6
Barium (Ba)	0.01	5.19298	5.0			103.9
Chromium (Cr)	0.01	2.44285	2.5			97.7
Lead (Pb)	0.05	2.40573	2.5			96.2

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/06/95	1951

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	-0.00129			
Barium (Ba)	0.01	-0.00085			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/06/95	1951

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Chromium (Cr)	0.01	0.00000			
Lead (Pb)	0.05	-0.01479			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0901				09/06/95	1958

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	-0.00956			
Barium (Ba)	0.01	-0.00128			
Chromium (Cr)	0.01	0.00119			
Lead (Pb)	0.05	0.02447			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				09/06/95	2001

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	0.84692	.824			102.8
Barium (Ba)	0.01	2.34652	2.38			98.6
Chromium (Cr)	0.01	1.57506	1.67			94.3
Lead (Pb)	0.05	1.61617	1.62			99.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	2045

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.40807	2.5			96.3
Barium (Ba)	0.01	5.14890	5.0			103.0
Chromium (Cr)	0.01	2.46193	2.5			98.5
Lead (Pb)	0.05	2.44548	2.5			97.8

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/06/95	2053

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	-0.01112			
Barium (Ba)	0.01	-0.00085			
Chromium (Cr)	0.01	0.00239			
Lead (Pb)	0.05	-0.00737			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0830				09/06/95	2056

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	0.03666			
Barium (Ba)	0.01	-0.00064			
Chromium (Cr)	0.01	0.00119			
Lead (Pb)	0.05	-0.00983			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				09/06/95	2100

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	0.78707	.824			95.5
Barium (Ba)	0.01	2.22007	2.38			93.3
Chromium (Cr)	0.01	1.50949	1.67			90.4
Lead (Pb)	0.05	1.47409	1.62			91.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank	950821D				09/06/95	2110

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	0.94938	1.000			94.9
Barium (Ba)	0.01	1.06033	1.000			106.0

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
SB	Spiked Blank	950821D				09/06/95	2110

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chromium (Cr)	0.01	0.98562	1.000			98.6
Lead (Pb)	0.05	1.02773	1.000			102.8

CCV	Continuing Calibration Verification	950505D				09/06/95	2140

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.41541	2.5			96.6
Barium (Ba)	0.01	5.14634	5.0			102.9
Chromium (Cr)	0.01	2.42969	2.5			97.2
Lead (Pb)	0.05	2.41088	2.5			96.4

CCB	Continuing Calibration Blank	950815J				09/06/95	2146

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	-0.00788			
Barium (Ba)	0.01	-0.00128			
Chromium (Cr)	0.01	-0.00358			
Lead (Pb)	0.05	0.00731			

MS	Matrix Spike	950821D	954162-2	Solid		09/06/95	2212

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	0.94259	1.000	-0.00172		94.4
Barium (Ba)	0.01	2.84827	1.000	1.62825		122.0
Chromium (Cr)	0.01	1.04449	1.000	0.12020		92.4
Lead (Pb)	0.05	1.06583	1.000	0.20729		85.9

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	2232

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.27970	2.5			91.2
Barium (Ba)	0.01	5.12515	5.0			102.5
Chromium (Cr)	0.01	2.44040	2.5			97.6
Lead (Pb)	0.05	2.43841	2.5			97.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/06/95	2241

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	0.00628			
Barium (Ba)	0.01	-0.00064			
Chromium (Cr)	0.01	-0.00119			
Lead (Pb)	0.05	-0.00484			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/06/95	2259

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	1.09416	1.000			109.4
Barium (Ba)	0.01	0.52791	0.5000			105.6
Chromium (Cr)	0.01	0.48484	0.5000			97.0
Lead (Pb)	0.05	1.08395	1.000			108.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	2305

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.36842	2.5			94.7
Barium (Ba)	0.01	5.07637	5.0			101.5

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950505D				09/06/95	2305

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chromium (Cr)	0.01	2.41422	2.5			96.6
Lead (Pb)	0.05	2.44432	2.5			97.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950815J				09/06/95	2325

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	-0.04268			
Barium (Ba)	0.01	-0.00085			
Chromium (Cr)	0.01	-0.00238			
Lead (Pb)	0.05	0.01458			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICL	Initial Calibration/Lab Control Sample	G950719F				09/05/95	1500

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

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

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

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

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	81.8	80.0			102.2

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/05/95	1558

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Chloride	0.5	0			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954196-1	Unfiltered		09/05/95	1607

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Chloride	0.5	4.0		3.7		8	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	G950503A	954196-1	Unfiltered	20	09/05/95	1612

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	57.6	50.00000	3.7		107.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	G950719F				09/05/95	1646

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	53.6	50.0			107.2

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	G950719D				09/05/95	1650

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Chloride	0.5	81.7	80.0			102.1

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
ICV	Initial Calibration Verification	1121H			10	09/08/95 0900

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

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

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

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

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00248	0.00250			99.2

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	0935

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.0001			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954188-1	Total		09/08/95	0957

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950907B	954192-1	Total	20	09/08/95	1003

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1005

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00230	0.00250			92.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1008

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00008			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950614J				09/08/95	1022

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00180	0.00192			93.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954178-6	Solid		09/08/95	1027

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950907B	954178-7	Solid	20	09/08/95	1033

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1038

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00250	0.00250			100.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1041

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00008			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/08/95	1055

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00010			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
EB	Extraction Blank				10	09/08/95	1057

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00010			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950907B	954121-26	Total	20	09/08/95	1103

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1108

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00240	0.00250			96.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1111

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.0001			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950907B	954186-3		20	09/08/95	1125

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ED	Extraction Duplicate		954190-5			09/08/95	1133

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
DD	Digestion Duplicate		954190-5			09/08/95	1135

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1141

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00237	0.00250			94.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1144

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00003			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1146

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00248	0.00250			99.2

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1149

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	0.00000			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954237-1	Total		09/08/95	1155

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Mercury (Hg)	0.0002	0.00817		0.00710		14	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	1013P			4000	09/08/95	1157

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Mercury (Hg)	0.0002	0.00235	0.00250			94.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/08/95	1200

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Mercury (Hg)	0.0002	-0.00008			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950426E				09/11/95	1304

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/11/95	1317

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISA	Interference Check Sample A	950612I				09/11/95	1324

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/11/95	1347

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

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CORE LABORATORIES

QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/11/95	1417

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/11/95	1426

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	0.90513	1.00			90.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	1428

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E			10	09/11/95	1433

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

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954188-1	Total		09/11/95	1439

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	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954183-2	Total		09/11/95	1444

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950706A				09/11/95	1449

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	47.21248	50.0			94.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605C				09/11/95	1458

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	1509

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950706A				09/11/95	1548

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	48.51031	50.0			97.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605C				09/11/95	1607

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	1625

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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/11/95	1647

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Magnesium (Mg)	0.5	-0.20636			
Sodium (Na)	1.0	-0.00993			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
EB	Extraction Blank					09/11/95	1650

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950706A				09/11/95	1658

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	50.63763	50.0			101.3

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605C				09/11/95	1704

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

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	1710

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISA	Interference Check Sample A	950612I				09/11/95	1740

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/11/95	1752

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950706A				09/11/95	1755

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Sodium (Na)	1.0	49.35380	50.0			98.7

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605C				09/11/95	1758

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	1801

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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950607B				09/11/95	1744

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	9503020				09/11/95	1748

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950426E				09/11/95	1752

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	94.15293	100			94.2

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
ICB	Initial Calibration Blank					09/11/95 1805

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
ISA	Interference Check Sample A		950612I			09/11/95 1818

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	573.64343	500			114.7

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
ISB	Interference Check Sample B		950816E			09/11/95 1825

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/11/95	1825

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0911				09/11/95	1844

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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0911				09/11/95	1844

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/11/95	1849

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

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	1852

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

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

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Potassium (K)	5	49.51026		48.07852		3	

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/11/95	1920

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/11/95	1926

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	1945

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			

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCB	Continuing Calibration Blank					09/11/95 1945

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike	950821D	951953-1	Total		09/11/95 2036

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	951953-1	Total		09/11/95	2036

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
PDS	Post Digestion Spike	950821D	951953-1	Total		09/11/95	2054

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MB	Method Blank	0906				09/11/95 2127

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
LCS	Laboratory Control Sample	950825A				09/11/95 2133

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/11/95	2133

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2147

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	88.02568	100			88.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	950825A				09/11/95	2152

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	950825A				09/11/95 2152

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
LCD	Laboratory Control Sample Duplicate	950426E				09/11/95 2155

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCV	Continuing Calibration Verification	950727J				09/11/95 2158

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/11/95	2212

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	2228

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954147-1	Total		09/11/95	2241

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MD	Method Duplicate		954147-1	Total		09/11/95 2241

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

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954187-1	Total		09/11/95	2247

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0901				09/11/95	2314

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			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/11/95	2325

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/11/95	2326

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/11/95	2326

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2329

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	108.40396	100			108.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/11/95	2334

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

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/11/95	2334

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/11/95	2337

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	2339

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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	2339

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Zinc (Zn)	0.01	-0.00028			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2345

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Potassium (K)	5	106.48043	100			106.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/12/95	0059

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/12/95	0120

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/12/95	0136

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954183-2	Total		09/12/95	0144

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike	950821D	954183-2	Total		09/12/95 0144

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

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

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954188-1	Total		09/12/95	0152

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISA	Interference Check Sample A	950612I				09/12/95	0200

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	492.04455	500			98.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/12/95	0207

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
ISB	Interference Check Sample B	950816E				09/12/95 0207

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCV	Continuing Calibration Verification	950727J				09/12/95 0214

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

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCV	Continuing Calibration Verification	950605D				09/12/95 0226

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCB	Continuing Calibration Blank					09/12/95 0242

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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Extraction (Sep. Funnel) SVOC
Method Code.....: 3510
Batch Code.....: 1889

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

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

Analyst ...: jbd
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0620				08/30/95	0000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction	0	ND			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

Method Description.: Extraction (Sep. Funnel) Chlor. Pest
Method Code.....: 3510CP
Batch Code.....: 1891

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

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

Analyst ...: jbd
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0621				08/31/95	0000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction		ND			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

Method Description.: Extraction (Sep. Funnel) PCBs
Method Code.....: 3510PC
Batch Code.....: 1892

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

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

Analyst ...: jbd
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0621				08/30/95	0000

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Separatory Funnel Liq/Liq Extraction	0	ND			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950607B				09/13/95	1228

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Arsenic (As)	0.05	2.06884	2.00			103.4
Beryllium (Be)	0.005	2.08151	2.00			104.1
Cadmium (Cd)	0.005	1.96932	2.00			98.5
Cobalt (Co)	0.03	1.97202	2.00			98.6
Chromium (Cr)	0.01	1.96549	2.00			98.3
Copper (Cu)	0.01	2.00375	2.00			100.2
Nickel (Ni)	0.04	2.01595	2.00			100.8
Lead (Pb)	0.05	1.96968	2.00			98.5
Antimony (Sb)	0.1	2.09605	2.00			104.8
Selenium (Se)	0.1	2.02547	2.00			101.3
Thallium (Tl)	0.1	1.97751	2.00			98.9
Vanadium (V)	0.05	1.98039	2.00			99.0
Zinc (Zn)	0.01	1.94442	2.00			97.2

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	9503020				09/13/95	1231

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	1.04314	1.00			104.3
Aluminum (Al)	0.05	0.97711	1.00			97.7
Barium (Ba)	0.01	1.02337	1.00			102.3

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950426E				09/13/95	1239

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Magnesium (Mg)	0.5	195.75656	200			97.9
Sodium (Na)	1	195.80218	200			97.9

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description..: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank	950911D				09/13/95	1244

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	-0.00103			
Aluminum (Al)	0.05	0.01141			
Arsenic (As)	0.05	0.00034			
Barium (Ba)	0.01	0.00011			
Beryllium (Be)	0.005	0.00000			
Cadmium (Cd)	0.005	-0.00017			
Cobalt (Co)	0.03	0.00105			
Chromium (Cr)	0.01	0.00138			
Copper (Cu)	0.01	-0.00111			
Magnesium (Mg)	0.5	0.00348			
Sodium (Na)	1	0.00009			
Nickel (Ni)	0.04	0.00221			
Lead (Pb)	0.05	-0.00171			
Antimony (Sb)	0.1	-0.00052			
Selenium (Se)	0.1	0.00407			
Thallium (Tl)	0.1	0.00081			
Vanadium (V)	0.05	0.00279			
Zinc (Zn)	0.01	-0.00000			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISA	Interference Check Sample A	9506121				09/13/95	1309

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	493.21343	500			98.6
Magnesium (Mg)	0.5	483.92407	500			96.8
Sodium (Na)	5	490.17163	500			98.0

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/13/95	1313

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	0.89048	1.000			89.0
Aluminum (Al)	0.05	480.01107	500			96.0
Arsenic (As)	0.05	0.98878	1.000			98.9
Barium (Ba)	0.01	0.50282	0.5000			100.6
Beryllium (Be)	0.005	0.48578	0.5000			97.2
Cadmium (Cd)	0.005	0.87605	1.000			87.6
Cobalt (Co)	0.03	0.41508	0.5000			83.0
Chromium (Cr)	0.01	0.42815	0.5000			85.6
Copper (Cu)	0.01	0.46722	0.5000			93.4
Magnesium (Mg)	0.5	470.71838	500			94.1
Sodium (Na)	5	475.30596	500			95.1
Nickel (Ni)	0.04	0.83501	1.000			83.5
Lead (Pb)	0.05	0.84139	1.000			84.1
Antimony (Sb)	0.1	0.97542	1.000			97.5
Selenium (Se)	0.1	0.98666	1.000			98.7
Thallium (Tl)	0.1	0.89805	1.000			89.8
Vanadium (V)	0.05	0.46899	0.5000			93.8
Zinc (Zn)	0.01	0.90025	1.000			90.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/13/95	1330

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	-0.00119			
Aluminum (Al)	0.05	0.00234			
Arsenic (As)	0.05	0.00357			
Barium (Ba)	0.01	-0.00000			
Beryllium (Be)	0.005	-0.00000			
Cadmium (Cd)	0.005	0.00011			
Cobalt (Co)	0.03	-0.00210			
Chromium (Cr)	0.01	0.00000			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/13/95	1330

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Copper (Cu)	0.01	-0.00058			
Magnesium (Mg)	0.5	0.01509			
Sodium (Na)	1	0.02756			
Nickel (Ni)	0.04	-0.00016			
Lead (Pb)	0.05	-0.00012			
Antimony (Sb)	0.1	0.00748			
Selenium (Se)	0.1	-0.00074			
Thallium (Tl)	0.1	0.00058			
Vanadium (V)	0.05	-0.00092			
Zinc (Zn)	0.01	0.00000			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/13/95	1338

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	1.02944	1.00			102.9
Aluminum (Al)	0.05	0.93222	1.00			93.2
Arsenic (As)	0.05	1.02532	1.00			102.5
Barium (Ba)	0.01	0.99539	1.00			99.5
Beryllium (Be)	0.005	1.01304	1.00			101.3
Cadmium (Cd)	0.005	0.96350	1.00			96.3
Cobalt (Co)	0.03	0.96576	1.00			96.6
Chromium (Cr)	0.01	0.96753	1.00			96.8
Copper (Cu)	0.01	1.02121	1.00			102.1
Nickel (Ni)	0.04	0.98273	1.00			98.3
Lead (Pb)	0.05	0.95405	1.00			95.4
Antimony (Sb)	0.1	1.03663	1.00			103.7
Selenium (Se)	0.1	0.96219	1.00			96.2
Thallium (Tl)	0.1	0.92533	1.00			92.5
Vanadium (V)	0.05	0.98505	1.00			98.5
Zinc (Zn)	0.01	0.96709	1.00			96.7

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
LCS	Laboratory Control Sample	950825A				09/13/95 1354

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	1.04692	1.00			104.7
Aluminum (Al)	0.05	0.92942	1.00			92.9
Arsenic (As)	0.05	1.02987	1.00			103.0
Barium (Ba)	0.01	1.00825	1.00			100.8
Beryllium (Be)	0.005	1.03591	1.00			103.6
Cadmium (Cd)	0.005	0.97633	1.00			97.6
Cobalt (Co)	0.03	0.98265	1.00			98.3
Chromium (Cr)	0.01	0.98658	1.00			98.7
Copper (Cu)	0.01	1.03541	1.00			103.5
Nickel (Ni)	0.04	1.00028	1.00			100.0
Lead (Pb)	0.05	0.96532	1.00			96.5
Antimony (Sb)	0.1	1.04522	1.00			104.5
Selenium (Se)	0.1	0.96929	1.00			96.9
Thallium (Tl)	0.1	0.94532	1.00			94.5
Vanadium (V)	0.05	1.00331	1.00			100.3
Zinc (Zn)	0.01	0.97912	1.00			97.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MD	Method Duplicate		954212-4	Total		09/13/95 1428

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Silver (Ag)	0.01	-0.00115		-0.00108			0.00007
Aluminum (Al)	0.05	-0.14081		0.03394			0.17475
Arsenic (As)	0.05	0.01722		-0.00210			0.01932
Barium (Ba)	0.01	0.13536		0.13313		2	
Beryllium (Be)	0.005	-0.00004		0.00000			0.00004
Cadmium (Cd)	0.005	0.00344		0.00166			0.00178
Cobalt (Co)	0.03	-0.00085		-0.00013			0.00072
Chromium (Cr)	0.01	-0.00070		-0.00086			0.00016
Copper (Cu)	0.01	0.18011		0.16928		6	
Magnesium (Mg)	0.5	5.07279		5.05537		0	

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QUALITY CONTROL REPORT
Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MD	Method Duplicate		954212-4	Total		09/13/95 1428

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Sodium (Na)	1	21.41160		21.02790		2	
Nickel (Ni)	0.04	0.01524		0.01081			0.00443
Lead (Pb)	0.05	0.00254		0.00397			0.00143
Antimony (Sb)	0.1	0.01476		0.01241			0.00235
Selenium (Se)	0.1	-0.00586		-0.00402			0.00184
Thallium (Tl)	0.1	0.17625		0.00074			0.17551
Vanadium (V)	0.05	0.00067		0.00031			0.00036
Zinc (Zn)	0.01	0.08322		0.08313		0	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike	950821D	954212-4	Total		09/13/95 1442

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	0.99675	1.000	-0.00108		99.8
Aluminum (Al)	0.05	2.24210	2.0000	0.03394		110.4
Arsenic (As)	0.05	1.04696	1.000	-0.00210		104.9
Barium (Ba)	0.01	1.15922	1.000	0.13313		102.6
Beryllium (Be)	0.005	1.05489	1.000	0.00000		105.5
Cadmium (Cd)	0.005	0.93712	1.000	0.00166		93.5
Cobalt (Co)	0.03	0.92368	1.000	-0.00013		92.4
Chromium (Cr)	0.01	0.95181	1.000	-0.00086		95.3
Copper (Cu)	0.01	1.21476	1.000	0.16928		104.5
Magnesium (Mg)	0.5	56.51728	50.00	5.05537		102.9
Sodium (Na)	1	72.45906	50.000	21.02790		102.9
Nickel (Ni)	0.04	0.92654	1.000	0.01081		91.6
Lead (Pb)	0.05	0.91941	1.000	0.00397		91.5
Antimony (Sb)	0.1	1.05777	1.00	0.01241		104.5
Selenium (Se)	0.1	0.99642	1.000	-0.00402		100.0
Thallium (Tl)	0.1	0.94818	1.000	0.00074		94.7
Vanadium (V)	0.05	1.02631	1.000	0.00031		102.6
Zinc (Zn)	0.01	1.04044	1.000	0.08313		95.7

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/13/95	1501

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	9.63006	10.0			96.3
Arsenic (As)	0.05	2.59491	2.5			103.8
Barium (Ba)	0.01	4.96558	5.0			99.3
Beryllium (Be)	0.005	2.51625	2.5			100.7
Cadmium (Cd)	0.005	0.96911	1.0			96.9
Cobalt (Co)	0.03	2.41476	2.5			96.6
Chromium (Cr)	0.01	2.38978	2.5			95.6
Copper (Cu)	0.01	2.58312	2.50			103.3
Nickel (Ni)	0.04	2.47673	2.5			99.1
Lead (Pb)	0.05	0.95942	1.0			95.9
Antimony (Sb)	0.1	2.63997	2.5			105.6
Selenium (Se)	0.1	2.58934	2.5			103.6
Thallium (Tl)	0.1	0.98162	1.0			98.2
Vanadium (V)	0.05	2.45124	2.5			98.0
Zinc (Zn)	0.01	2.43529	2.5			97.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/13/95	1507

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	2.57722	2.500			103.1
Magnesium (Mg)	0.5	97.76043	100.00			97.8
Sodium (Na)	1	50.77328	50.0			101.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/13/95	1522

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	-0.00178			
Aluminum (Al)	0.05	0.00225			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/13/95	1522

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Arsenic (As)	0.05	0.00022			
Barium (Ba)	0.01	0.00032			
Beryllium (Be)	0.005	-0.00004			
Cadmium (Cd)	0.005	0.00023			
Cobalt (Co)	0.03	0.00168			
Chromium (Cr)	0.01	-0.00180			
Copper (Cu)	0.01	-0.00130			
Magnesium (Mg)	0.5	0.01277			
Sodium (Na)	1	0.01087			
Nickel (Ni)	0.04	0.00136			
Lead (Pb)	0.05	0.00082			
Antimony (Sb)	0.1	-0.00472			
Selenium (Se)	0.1	-0.00438			
Thallium (Tl)	0.1	-0.00933			
Vanadium (V)	0.05	0.00185			
Zinc (Zn)	0.01	0.00060			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/13/95	1608

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	9.70710	10.0			97.1
Arsenic (As)	0.05	2.60039	2.5			104.0
Barium (Ba)	0.01	4.57323	5.0			91.5
Beryllium (Be)	0.005	2.51766	2.5			100.7
Cadmium (Cd)	0.005	0.97744	1.0			97.7
Cobalt (Co)	0.03	2.39115	2.5			95.6
Chromium (Cr)	0.01	2.38976	2.5			95.6
Copper (Cu)	0.01	2.52044	2.50			100.8
Nickel (Ni)	0.04	2.48683	2.5			99.5
Lead (Pb)	0.05	0.96008	1.0			96.0

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/13/95	1608

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Antimony (Sb)	0.1	2.31641	2.5			92.7
Selenium (Se)	0.1	2.60791	2.5			104.3
Thallium (Tl)	0.1	0.97161	1.0			97.2
Vanadium (V)	0.05	2.42699	2.5			97.1
Zinc (Zn)	0.01	2.44640	2.5			97.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/13/95	1649

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	2.52311	2.500			100.9
Magnesium (Mg)	0.5	97.45069	100.00			97.5
Sodium (Na)	1	53.23696	50.0			106.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950911D				09/13/95	1708

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	-0.00186			
Aluminum (Al)	0.05	-0.01561			
Arsenic (As)	0.05	-0.00379			
Barium (Ba)	0.01	0.00021			
Beryllium (Be)	0.005	0.00005			
Cadmium (Cd)	0.005	-0.00019			
Cobalt (Co)	0.03	-0.00194			
Chromium (Cr)	0.01	0.00048			
Copper (Cu)	0.01	-0.00157			
Magnesium (Mg)	0.5	0.00276			
Sodium (Na)	1	-0.00309			
Nickel (Ni)	0.04	-0.00098			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950911D				09/13/95	1708

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Lead (Pb)	0.05	-0.00170			
Antimony (Sb)	0.1	-0.00125			
Selenium (Se)	0.1	-0.00418			
Thallium (Tl)	0.1	-0.00241			
Vanadium (V)	0.05	-0.00209			
Zinc (Zn)	0.01	-0.00017			

MD	Method Duplicate		954153-1	Total		09/13/95	1732

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Silver (Ag)	0.01	-0.00084		-0.00103			0.00019
Aluminum (Al)	0.05	4.40359		4.27258		3	
Arsenic (As)	0.05	-0.00097		-0.00023			0.00074
Barium (Ba)	0.01	0.00724		0.00636			0.00088
Beryllium (Be)	0.005	0.00016		0.00011			0.00005
Cadmium (Cd)	0.005	-0.00021		0.00008			0.00029
Cobalt (Co)	0.03	0.00020		0.00167			0.00147
Chromium (Cr)	0.01	0.00523		0.00652			0.00129
Copper (Cu)	0.01	-0.00135		-0.00085			0.00050
Magnesium (Mg)	0.5	0.25285		0.14922			0.10363
Sodium (Na)	1	7.15022		6.71501		6	
Nickel (Ni)	0.04	0.00261		0.00220			0.00041
Lead (Pb)	0.05	0.00206		0.00164			0.00042
Antimony (Sb)	0.1	-0.00098		-0.00493			0.00395
Selenium (Se)	0.1	0.00838		0.00579			0.00259
Thallium (Tl)	0.1	-0.00547		-0.00760			0.00213
Vanadium (V)	0.05	-0.00422		-0.00106			0.00316
Zinc (Zn)	0.01	0.01085		0.01301			0.00216

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CORE LABORATORIES

QUALITY CONTROL REPORT
Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/13/95	1750

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	-0.00284			
Aluminum (Al)	0.05	-0.01789			
Arsenic (As)	0.05	0.00172			
Barium (Ba)	0.01	0.00032			
Beryllium (Be)	0.005	0.00005			
Cadmium (Cd)	0.005	0.00008			
Cobalt (Co)	0.03	0.00024			
Chromium (Cr)	0.01	-0.00160			
Copper (Cu)	0.01	-0.00271			
Magnesium (Mg)	0.5	0.10086			
Sodium (Na)	1	-0.02614			
Nickel (Ni)	0.04	-0.00003			
Lead (Pb)	0.05	0.00052			
Antimony (Sb)	0.1	0.00829			
Selenium (Se)	0.1	-0.00834			
Thallium (Tl)	0.1	-0.00705			
Vanadium (V)	0.05	-0.00106			
Zinc (Zn)	0.01	-0.00070			

LCS	Laboratory Control Sample	950825A				09/13/95	1756

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	0.98726	1.00			98.7
Aluminum (Al)	0.05	0.95948	1.00			95.9
Arsenic (As)	0.05	1.02034	1.00			102.0
Barium (Ba)	0.01	0.87226	1.00			87.2
Beryllium (Be)	0.005	0.99960	1.00			100.0
Cadmium (Cd)	0.005	0.95701	1.00			95.7
Cobalt (Co)	0.03	0.93337	1.00			93.3
Chromium (Cr)	0.01	0.95491	1.00			95.5

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950825A				09/13/95	1756

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Copper (Cu)	0.01	0.95764	1.00			95.8
Nickel (Ni)	0.04	0.97177	1.00			97.2
Lead (Pb)	0.05	0.94980	1.00			95.0
Antimony (Sb)	0.1	0.90487	1.00			90.5
Selenium (Se)	0.1	0.99061	1.00			99.1
Thallium (Tl)	0.1	0.92691	1.00			92.7
Vanadium (V)	0.05	0.94647	1.00			94.6
Zinc (Zn)	0.01	0.98900	1.00			98.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954265-1	Total		09/13/95	1820

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Silver (Ag)	0.01	0.02890		0.03208			0.00318
Aluminum (Al)	0.05	-0.05430		-0.09094			0.03664
Arsenic (As)	0.05	0.06652		0.07159			0.00507
Barium (Ba)	0.01	0.02844		0.02656			0.00188
Beryllium (Be)	0.005	0.00103		0.00116			0.00013
Cadmium (Cd)	0.005	0.00786		0.00729			0.00057
Cobalt (Co)	0.03	-0.00267		-0.00187			0.00080
Chromium (Cr)	0.01	0.34445		0.32748		5	
Copper (Cu)	0.01	0.09150		0.08857		3	
Nickel (Ni)	0.04	0.02194		0.02181			0.00013
Lead (Pb)	0.05	-0.02414		-0.02291			0.00123
Antimony (Sb)	0.1	0.22046		0.20784			0.01262
Selenium (Se)	0.1	-0.02358		-0.03074			0.00716
Thallium (Tl)	0.1	0.09843		0.09169			0.00674
Vanadium (V)	0.05	0.04039		0.04359			0.00320
Zinc (Zn)	0.01	0.02608		0.02657			0.00049

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/13/95	1839

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	9.63428	10.0			96.3
Arsenic (As)	0.05	2.44090	2.5			97.6
Barium (Ba)	0.01	4.87336	5.0			97.5
Beryllium (Be)	0.005	2.49666	2.5			99.9
Cadmium (Cd)	0.005	1.01694	1.0			101.7
Cobalt (Co)	0.03	2.39280	2.5			95.7
Chromium (Cr)	0.01	2.38855	2.5			95.5
Copper (Cu)	0.01	2.52732	2.50			101.1
Nickel (Ni)	0.04	2.45209	2.5			98.1
Lead (Pb)	0.05	1.01937	1.0			101.9
Antimony (Sb)	0.1	2.73944	2.5			109.6
Selenium (Se)	0.1	2.40837	2.5			96.3
Thallium (Tl)	0.1	1.04129	1.0			104.1
Vanadium (V)	0.05	2.42202	2.5			96.9
Zinc (Zn)	0.01	2.46736	2.5			98.7

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/13/95	1851

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	2.49753	2.500			99.9
Magnesium (Mg)	0.5	99.42382	100.00			99.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950911D				09/13/95	1859

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	0.00178			
Aluminum (Al)	0.05	0.00301			
Arsenic (As)	0.05	0.00033			

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950911D				09/13/95	1859

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Barium (Ba)	0.01	0.00053			
Beryllium (Be)	0.005	-0.00000			
Cadmium (Cd)	0.005	-0.00007			
Cobalt (Co)	0.03	-0.00023			
Chromium (Cr)	0.01	-0.00031			
Copper (Cu)	0.01	0.00018			
Magnesium (Mg)	0.5	0.00137			
Sodium (Na)	1	0.00266			
Nickel (Ni)	0.04	-0.00262			
Lead (Pb)	0.05	0.00385			
Antimony (Sb)	0.1	0.00019			
Selenium (Se)	0.1	-0.00239			
Thallium (Tl)	0.1	0.00277			
Vanadium (V)	0.05	-0.00000			
Zinc (Zn)	0.01	-0.00013			

MS	Matrix Spike	950821D	954265-2	Total	5	09/13/95	2014

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	0.24053	0.20000	0.00795		116.3
Aluminum (Al)	0.05	0.50572	0.40000	0.03476		117.7
Arsenic (As)	0.05	0.23302	0.20000	0.01040		111.3
Barium (Ba)	0.01	0.22038	0.20000	0.04199		89.2
Beryllium (Be)	0.005	0.20023	0.20000	0.00026		100.0
Cadmium (Cd)	0.005	0.19602	0.20000	0.00169		97.2
Cobalt (Co)	0.03	0.19541	0.20000	0.00238		96.5
Chromium (Cr)	0.01	0.35680	0.20000	0.16027		98.3
Copper (Cu)	0.01	0.28048	0.20000	0.06008		110.2
Nickel (Ni)	0.04	0.24467	0.20000	0.06880		87.9
Lead (Pb)	0.05	0.29593	0.20000	0.11510		90.4

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954265-2	Total	5	09/13/95	2014

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Antimony (Sb)	0.1	0.27932	0.20000	0.06063		109.3
Selenium (Se)	0.1	0.17369	0.20000	-0.00259		88.1
Thallium (Tl)	0.1	0.22864	0.20000	0.03185		98.4
Vanadium (V)	0.05	0.22084	0.20000	0.01597		102.4
Zinc (Zn)	0.01	0.23163	0.20000	0.06531		83.2

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISA	Interference Check Sample A	950612I				09/13/95	2017

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	554.92846	500			111.0
Magnesium (Mg)	0.5	511.25363	500			102.3
Sodium (Na)	5	529.30450	500			105.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/13/95	2023

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	1.11119	1.000			111.1
Aluminum (Al)	0.05	536.48248	500			107.3
Arsenic (As)	0.05	1.09604	1.000			109.6
Barium (Ba)	0.01	0.55889	0.5000			111.8
Beryllium (Be)	0.005	0.53840	0.5000			107.7
Cadmium (Cd)	0.005	1.02082	1.000			102.1
Cobalt (Co)	0.03	0.48053	0.5000			96.1
Chromium (Cr)	0.01	0.50944	0.5000			101.9
Copper (Cu)	0.01	0.53571	0.5000			107.1
Magnesium (Mg)	0.5	502.02462	500			100.4
Sodium (Na)	5	514.25244	500			102.9
Nickel (Ni)	0.04	0.94671	1.000			94.7

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/13/95	2023

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Lead (Pb)	0.05	1.00271	1.000			100.3
Antimony (Sb)	0.1	1.05896	1.000			105.9
Selenium (Se)	0.1	1.09386	1.000			109.4
Thallium (Tl)	0.1	1.02886	1.000			102.9
Vanadium (V)	0.05	0.53695	0.5000			107.4
Zinc (Zn)	0.01	0.98391	1.000			98.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/13/95	2029

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Aluminum (Al)	0.05	9.88641	10.0			98.9
Arsenic (As)	0.05	2.55345	2.5			102.1
Barium (Ba)	0.01	5.01063	5.0			100.2
Beryllium (Be)	0.005	2.62849	2.5			105.1
Cadmium (Cd)	0.005	1.04390	1.0			104.4
Cobalt (Co)	0.03	2.50534	2.5			100.2
Chromium (Cr)	0.01	2.50232	2.5			100.1
Copper (Cu)	0.01	2.54701	2.50			101.9
Nickel (Ni)	0.04	2.57197	2.5			102.9
Lead (Pb)	0.05	1.03976	1.0			104.0
Antimony (Sb)	0.1	2.72351	2.5			108.9
Selenium (Se)	0.1	2.57309	2.5			102.9
Thallium (Tl)	0.1	1.03591	1.0			103.6
Vanadium (V)	0.05	2.53003	2.5			101.2
Zinc (Zn)	0.01	2.54166	2.5			101.7

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1923

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/13/95	2040

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Silver (Ag)	0.01	2.44231	2.500			97.7
Magnesium (Mg)	0.5	100.09265	100.00			100.1

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/13/95	2047

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Silver (Ag)	0.01	0.00203			
Aluminum (Al)	0.05	0.00761			
Arsenic (As)	0.05	-0.00320			
Barium (Ba)	0.01	0.00046			
Beryllium (Be)	0.005	0.00020			
Cadmium (Cd)	0.005	-0.00013			
Cobalt (Co)	0.03	0.00175			
Chromium (Cr)	0.01	0.00050			
Copper (Cu)	0.01	0.00199			
Magnesium (Mg)	0.5	0.01657			
Sodium (Na)	1	0.02262			
Nickel (Ni)	0.04	0.00085			
Lead (Pb)	0.05	-0.00337			
Antimony (Sb)	0.1	-0.00146			
Selenium (Se)	0.1	0.00027			
Thallium (Tl)	0.1	0.01809			
Vanadium (V)	0.05	0.00206			
Zinc (Zn)	0.01	-0.00051			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950426E				09/11/95	1752

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.97279	1.00			97.3

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/11/95	1805

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00482			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/11/95	1825

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	1.00497	1.000			100.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0911				09/11/95	1844

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00481			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	1852

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.98153	1.00			98.2

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		951954-1	Total		09/11/95	1857

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/11/95	1920

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.72925	2.5			109.2

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	1945

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00035			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	951953-1	Total		09/11/95	2036

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
PDS	Post Digestion Spike	950821D	951953-1	Total		09/11/95	2054

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

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0906				09/11/95	2127

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00436			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2147

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.94924	1.00			94.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2155

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.95675	1.00			95.7

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/11/95	2158

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.61416	2.5			104.6

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	2228

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00444			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MD	Method Duplicate		954147-1	Total		09/11/95 2241

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MS	Matrix Spike	950821D	954187-1	Total		09/11/95 2247

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
MB	Method Blank	0901				09/11/95 2314

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00182			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
LCS	Laboratory Control Sample	950426E				09/11/95 2329

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.92640	1.00			92.6

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date Time
CCV	Continuing Calibration Verification	950727J				09/11/95 2334

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.58094	2.5			103.2

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/11/95	2339

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00331			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E				09/11/95	2345

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	1.00049	1.00			100.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954183-2	Total		09/12/95	0042

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/12/95	0059

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.31461	2.5			92.6

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/12/95	0136

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	-0.00265			

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954188-1	Total		09/12/95	0152

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

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/12/95	0207

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.93002	1.000			93.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/12/95	0214

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.44744	2.5			97.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/12/95	0242

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00116			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1958

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950426E				09/14/95	1327

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	193.95758	200			97.0
Tin (Sn)	0.05	1.00676	1.00			100.7

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank	950911D				09/14/95	1339

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1	-0.00200			
Tin (Sn)	0.05	-0.00119			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISA	Interference Check Sample A	950612I				09/14/95	1347

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	499.48962	500			99.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/14/95	1351

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	477.24060	500			95.4
Tin (Sn)	0.05	0.99345	1.000			99.3

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0907				09/14/95	1355

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1	0.00681			

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CORE LABORATORIES

QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1958

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0907				09/14/95	1355

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Tin (Sn)	0.05	0.00361			

LCS	Laboratory Control Sample	950426E				09/14/95	1359

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	187.82284	200			93.9
Tin (Sn)	0.05	0.98150	1.00			98.2

MD	Method Duplicate		954153-1	Total		09/14/95	1410

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Calcium (Ca)	1	241.86026		234.80715		3	
Tin (Sn)	0.05	0.00623		0.00013			0.00610

MS	Matrix Spike	950821D	954200-1	Total	5	09/14/95	1425

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	195.61300	10.00000	186.43176		91.8
Tin (Sn)	0.05	0.19775	0.20000	0.00046		98.6

CCV	Continuing Calibration Verification	950727J				09/14/95	1440

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.39662	2.5			95.9

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1958

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/14/95	1453

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	109.71876	100.00			109.7

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950911D				09/14/95	1501

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1	-0.00112			
Tin (Sn)	0.05	0.00070			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0907				09/14/95	1534

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1	0.08996			
Tin (Sn)	0.05	0.00702			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/14/95	1538

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.50240	2.5			100.1

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/14/95	1553

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	100.76882	100.00			100.8

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QUALITY CONTROL REPORT
Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1958

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950911D				09/14/95	1559

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1	0.00105			
Tin (Sn)	0.05	-0.00369			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954227-1	Total Rec.		09/14/95	1619

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Calcium (Ca)	1	285.87548		311.02236		8	
Tin (Sn)	0.05	-0.00178		0.00676			0.00854

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MS	Matrix Spike	950821D	954229-1	Total Rec.		09/14/95	1629

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	316.98449	50.00	275.70520		82.6
Tin (Sn)	0.05	0.83731	1.00	0.00952		82.8

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISA	Interference Check Sample A	950612I				09/14/95	1632

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	453.09863	500			90.6

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/14/95	1658

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	453.58584	500			90.7

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Metals Analysis (ICAP)
Method Code.....: 6010
Batch Code.....: 1958

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

Calc Code.....:
Equipment Code..: ICPT
Import Code.....: ICP02

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ISB	Interference Check Sample B	950816E				09/14/95	1658

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	0.81449	1.000			81.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950727J				09/14/95	1703

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Tin (Sn)	0.05	2.68596	2.5			107.4

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950605D				09/14/95	1713

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	% REC
Calcium (Ca)	1	92.90346	100.00			92.9

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank	950911D				09/14/95	1722

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Calcium (Ca)	1	0.00218			
Tin (Sn)	0.05	0.00024			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0612				09/09/95	1214

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			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0612				09/09/95	1214

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			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0612				09/09/95	1214

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-Nitrosopyrolidine	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			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0612				09/09/95	1214

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
1,2,4-Trichlorobenzene	10	ND			
O,O,O-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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0620				09/09/95	1857

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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0620				09/09/95	1857

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			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0620				09/09/95	1857

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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0620				09/09/95	1857

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-Nitrosopyrolidine	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			
O,O,O-Triethyl phosphorothioate	10	ND			
1,3,5-Trinitrobenzene	10	ND			
Benzoic acid	50	ND			
4-Chloro-3-methylphenol	10	ND			
2-Chlorophenol	10	ND			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0620				09/09/95	1857

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			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	MB0612				09/14/95	2104

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Dibenzo(a,j)acridine	10	ND			
Hexachlorophene	100	ND			
Kepone	50	ND			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank					09/15/95	0024

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Dibenzo(a,j)acridine	10	ND			
Hexachlorophene	100	ND			
Kepone	50	ND			

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QUALITY CONTROL REPORT
Report Date: 09/21/95

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.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0614				09/13/95	1731

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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

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.: 954182

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			

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QUALITY CONTROL REPORT

Report Date: 09/21/95

Method Description.: Potassium (FLAA)
Method Code.....: 7610
Batch Code.....: 2085

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

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

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	950426C			50	09/21/95	1245

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Potassium (K)	0.1	2.01	2.00000			100.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
ICB	Initial Calibration Blank					09/21/95	1247

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Potassium (K)	0.1	-0.04			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MB	Method Blank	0905				09/21/95	1248

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Potassium (K)	0.1	-0.01			

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	950426E			50	09/21/95	1250

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Potassium (K)	0.1	2.03	2.00000			101.5

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
PDS	Post Digestion Spike	950728D	954205-1	Total	200	09/21/95	1253

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Potassium (K)	0.1	3.12	2.50000	0.93		87.6

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QUALITY CONTROL REPORT
Report Date: 09/21/95

Method Description.: Potassium (FLAA)
Method Code.....: 7610
Batch Code.....: 2085

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

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

Analyst ...: lmt
Job Number.: 954182

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
MD	Method Duplicate		954182-4	Total		09/21/95	1257

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value	RPD	ABS Diff.
Potassium (K)	0.1	3.49		3.39		3	

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	950830H			2	09/21/95	1258

Test Description	Detection Limit	QC Value	Diluted Value	Orig. Value	Alt. Value	% REC
Potassium (K)	0.1	5.10	5.00000			102.0

QC Type	Description	Reag. Code	Lab ID	MTX	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank					09/21/95	1300

Test Description	Detection Limit	QC Value	True Value	Orig. Value	Alt. Value
Potassium (K)	0.1	0.01			

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QUALITY CONTROL REPORT
SURROGATE RECOVERIES
Report Date: 09/21/95

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.: 954182

Surrogate	Test Matrix	Dilution Factor
4-Bromofluorobenzene	Solid	2.74

Lab ID	QC Type	Result	Units	True Value	Percent Recovery	Flag	Date	Time
	MB	49.0	ug/L	50.1861	98		09/01/95	1909
	RS	49.5	ug/L	50.1861	99		09/01/95	2013
954178-6		49.8	ug/L	50.1861	99		09/01/95	2046
954178-7		49.7	ug/L	50.1861	99		09/01/95	2118
954178-8		49.6	ug/L	50.1861	99		09/01/95	2150
954178-9		48.5	ug/L	50.1861	97		09/01/95	2222
954182-2		50.16	ug/L	50.1861	100		09/01/95	2253
954182-3		49.2	ug/L	50.1861	98		09/01/95	2326
954182-3	MST	50.9	ug/L	50.1861	101		09/01/95	2358
954182-3	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
	MB	50.6	ug/L	50.1095	101		09/01/95	1909
	RS	50.1	ug/L	50.1095	100		09/01/95	2013
954178-6		52.0	ug/L	50.1095	104		09/01/95	2046
954178-7		52.4	ug/L	50.1095	105		09/01/95	2118
954178-8		51.0	ug/L	50.1095	102		09/01/95	2150
954178-9		50.8	ug/L	50.1095	101		09/01/95	2222
954182-2		51.5	ug/L	50.1095	103		09/01/95	2253
954182-3		52.8	ug/L	50.1095	105		09/01/95	2326
954182-3	MST	52.5	ug/L	50.1095	105		09/01/95	2358
954182-3	MTD	52.8	ug/L	50.1095	105		09/02/95	0030

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QUALITY CONTROL REPORT
SURROGATE RECOVERIES
Report Date: 09/21/95

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.: 954182

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

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QUALITY CONTROL REPORT
SURROGATE RECOVERIES
Report Date: 09/21/95

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.: 954182

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

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QUALITY CONTROL REPORT
SURROGATE RECOVERIES
Report Date: 09/21/95

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.: 954182

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

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QUALITY CONTROL REPORT
SURROGATE RECOVERIES
Report Date: 09/21/95

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.: 954182

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

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QUALITY CONTROL REPORT
SURROGATE RECOVERIES
Report Date: 09/21/95

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.: 954182

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

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QUALITY CONTROL REPORT
SURROGATE RECOVERIES
Report Date: 09/21/95

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.: 954182

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

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QUALITY CONTROL REPORT
SURROGATE RECOVERIES
Report Date: 09/21/95

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.: 954182

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

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/21/95

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%

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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 Recovery	RPD	Soil 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-Dintrotoluene	24-96%	38	28-89%	47
Pentachlorophenol	9-103%	50	17-109%	47
Pyrene	26-127%	31	35-142%	36

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(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, 1989

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(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

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(7) EPA 600/4-88-03, Methods For The Determination of Organics Compounds in Drinking Water, December 1988

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(14) ASTM, Section 5, Petroleum Products, Lubricants, and Fossil Fuels, Volume 05.05, Gaseous Fuels, Coal, and Coke

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Q U A L I T Y A S S U R A N C E M E T H O D S

R E F E R E N C E S A N D N O T E S

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(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

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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.

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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.

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