AP - 001

STAGE 1 & 2 WORKPLANS

DATE:

MAR. 29, 1999

R.T. HICKS CONSULTANTS, LTD.

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Mr. William Olson
State of New Mexico
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

March 29, 1999

Re: **Brickland Refinery Site, Sunland Park, New Mexico**
Construction Quality Assurance Plan and Work Plan Approval

Dear Bill,

On behalf of Huntsman Polymers Corporation (Huntsman), Hicks Consultants is pleased to submit the following two documents for your approval. These submittals are the Work Plan and the Construction Quality Assurance Plan for the Brickland Refinery Site. The documents are requirements of the Stage 2 Abatement Plan that was approved on December 17, 1998.

Sampling and analytical work defining the distribution of lead in the near-surface soils is included with these documents. Several sampling events were required in December and February to complete this determination. The contour lines indicating the regulatory level of 400 mg/kg is also indicated on the plate. After the approval of the documents, bids will be requested to install the cover.

Thank you in advance for your consideration and timely review of the documents. As always, if there are any additional questions that should arise, please feel free to contact me at (972) 985-7948 or Roger Martin of Huntsman at (915) 640-8275.

Best Regards,

Todd

Todd Carver

Enclosures:

cc: Roger Martin, Huntsman
Randy Hicks, Hicks Consultants

Work Plan for Soil Cover

Date: March 29, 1999

Re: Brickland Refinery Site, Sunland Park, New Mexico

Introduction

Huntsman Polymers Corporation (Huntsman) is the current owner of the property known as The Brickland Refinery Site. The site is located at 3010 Old McNutt Road near Sunland Park, New Mexico in Dona Ana County. Huntsman is seeking to resolve outstanding regulatory issues of the New Mexico Water Quality Control Commission (NMWQCC) as administered by the New Mexico Oil Conservation Division (NMOCD). Previous submissions addressed Abatement Plan requirements for Stage 1 (site characterization) and Stage 2 (abatement method selection and design). NMOCD approved the Stage 1 Abatement Plan on May 21, 1997 and the Stage 2 Abatement Plan on December 17, 1998. BDM Environmental prepared both of these submissions for Huntsman. The Stage 2 Abatement Plan Proposal identified the need for a soil cover to help isolate lead from the biosphere, minimizing the potential for inhalation, ingestion and adsorption. Huntsman provided preliminary descriptions of the soil cover work plan and the construction quality assurance (CQA) plan in the Stage 2 Abatement Plan and other written responses to NMOCD's questions. Hicks Consultants submits this memorandum for approval as the final work plan to construct the soil cover required by the Stage 2 Abatement Plan proposal.

In order to produce a cover that will have longevity with minimal maintenance, the design must consider compaction and composition factors. In addition to the Stage 1 and Stage 2 Abatement Plan proposals, Hicks Consultants employed the EPA publications entitled *Seminar Publication: Design and Construction of RCRA/CERCLA Final Covers (EPA/625/4-91/025)* and *Technical Guidance Document: Quality Assurance and Quality Control for Waste Containment Facilities (EPA/600/R-93/182)* as guidance for developing this work plan.

Lateral Extent of Soil Cover:

This submission describes work elements necessary to install a soil cover over areas of the Site where near surface samples (0-6 inches deep) exhibit lead concentration above 400 mg/kg. Hicks Consultants used shallow soil sampling results from field campaigns conducted in December 1998 and February 1999 and analytical results from previous BDM sampling events to define the extent of the soil cover. Table 1

shows the lead concentration of each of these samples and Figure 1 provides a map showing these results and the planned extent of the soil cover.

Surface/Subgrade Preparation:
The majority of the site is relatively smooth and flat and will accept the soil cover with little or no surface/subgrade preparation. However, in the north end of the site, construction rubble covers a large portion of the original grade. In other areas, vegetation, rock, large boulders, building foundations, and discarded trash interrupt the otherwise smooth ground surface.

The site areas where the construction rubble is at least 6 inches thick do not require an additional soil cover. The construction rubble serves the same purpose as placing a new soil cover: it minimizes exposure to any lead that may exist in surface or near-surface soil.

Areas where the rubble is less than 6 inches thick (or non-existent) shall be cleared of all objectionable materials (e.g. trash, large rocks, vegetation). Grading of the Site should be conducted as to smooth the general immediate area yet maintain the natural contour of the area. Section 201 of the New Mexico Standard Specification for Public Works Construction provides guidance on clearing and grubbing; Section 210 provides guidance on land leveling. Areas near fences and other large, impervious obstructions (such as foundations) shall be cleared directly up to the fence or object. Since the cover does not have any requirements for hydraulic conductivity, there is no need to do further sub-grade or surface preparation. All materials removed during this preparation shall be deposited on-site at a location approved by the project manager.

Cover Construction Material:
The soil used in the construction of the cover shall be natural sub-base material suitable for street construction as described in the New Mexico Standard Specifications for Public Works Construction (Section 303). The cover will be constructed in one lift. The material shall contain a satisfactory composition of fines, gravel, stones and rocks and have a plasticity index sufficient to enable compaction to the desired levels. The material will be imported from off-site and free of any deleterious substance. The earth-work contractor will submit a representative sample of the proposed material to the soils laboratory for testing and the project manager for approval prior to its use.

Compaction and Cover Parameters:
The soil shall be compacted with a smooth wheeled roller to a target of 95% of maximum density for the body of the cover and a minimum of 70 % where obstructions such as fence lines and other immovable objects exist. All testing

shall be conducted according to the American Society for Testing and Materials (ASTM) test method D1557 (dry weights). The minimum compacted thickness of the cover shall be 6 inches as determined by relative elevation measurements at the site. The edge of the cover shall extend at least one foot beyond the area of concern as defined in Figure 1.

All sides of the cover shall be sloped at approximately 3% grade to reduce erosion. The contractor will place erosion markers at the corners of the cover and along an approximately 100-foot grid traversing the cover. These markers will aid in rapid determination of new erosion. The markers will be constructed of a 2-inch pipe with cap or a similar device placed at grade so that if the marker is observed, the amount of erosion is easily measured. No sealing between the marker and the completed cover is required.

Inspection and Documentation of Cover Installation:
The General Contractor's Personnel will inspect and test the cover in accordance with the Construction Quality Assurance (CQA) Plan to determine if it meets the design parameters. Compaction testing (water content and density) shall be conducted in the field approximately once per 1000 cubic yards of cover. If the cover is approximately 6 inches in thickness, this calculates to one sample every 54,000 square feet of coverage. However, to account for varying heights in the sub-grade, the cover will be tested once every 40,000 square feet. Additionally, each separate cover area, regardless of actual size, will be tested at least once. The CQA covers documentation requirements for the cover installation. Documentation including, but not limited to, photographs, construction logs, figures used in the construction, as-constructed drawings and a report covering the project will be collected. Copies of all documentation will be provided to Huntsman, the City of Sunland Park, NMOCD (2 copies), and R.T. Hicks Consultants.

Health and Safety Plan:
The contractor installing the cover shall develop a Health and Safety Plan with information provided by personnel familiar with the site. The condition of concern is inhalation of lead via suspension of loose soil due to disturbance by construction equipment. Leveling is to be kept to a minimum and, when required, shall be done with a minimum of disturbance. All personnel will wear dust masks during these activities and at other times designated by the contractor's Health and Safety Officer. The contractor's Health and Safety Officer will determine general personal protection requirements. At a minimum, we expect these to include hard hats, safety shoes, leather gloves and long coveralls in addition to the dust masks. Site visitors will adhere to the Contractor's Heath and Safety Plan.

Post-Installation Inspections:
Semi-annual inspections shall be conducted to identify any deterioration of the cover. The City of Sunland Park may conduct these inspections in accordance with an agreement with Huntsman. We anticipate inspection by Sunland Park employees where the cover lies in the area of their proposed future operations. Hicks Consultants will coordinate training for Sunland Park personnel, to advise them of requirements for inspection of the cover and notification to Huntsman.

Regulatory Approval:
Huntsman will not commence site work until NMOCD has approved the Work Plan, the CQA Plan, the Health and Safety Plan, and the construction plans and specifications.

R.T. Hicks Consultants, Ltd.

Construction Quality Assurance Plan

Date: March 29, 1999

Re: Brickland Refinery Site, Sunland Park, New Mexico

Introduction

The Construction Quality Assurance (CQA) Plan provides a set of planned activities and procedures that document to the owner and permitting agency that the soil cover for the above-mentioned site meets design specifications. The CQA describes the protocol for inspection, verification and evaluation of materials and construction methods used to complete the work elements described in the work plan.

Hicks Consultants referred to two EPA documents to develop this CQA Plan. These resources were the *Technical Guidance Document: Construction Quality Assurance for Hazardous Waste Land Disposal Facilities (EPA/530-(S)SW-86-031)* and the *Technical Guidance Document: Quality Assurance and Quality Control for Waste Containment Facilities (EPA/600/R-93/182)*. Although the Brickland Refinery Site is neither a hazardous land disposal facility nor a "containment" facility, the guidance documents provide insight and information applicable to soil cover for lead-containing soils.

This CQA plan is a site-specific document that addresses the following five areas:

1. **Responsibility and Authority** – delineates the responsibilities of all people involved with the construction of the cover.
2. **CQA Personnel Qualifications** – identifies the qualifications of the CQA officer and inspection personnel.
3. **Inspection Activities** – lists the observations and tests that will be conducted to demonstrate that the construction meets or exceeds the design parameters.
4. **Sampling Strategies** – describes the sampling activities, frequency of testing, location of samples, and methods used.
5. **Documentation** – includes detailed reporting requirements for logs and other data.

Responsibility and Authority

The following entities are involved with coordination of the project:

Permitting Agency - **The New Mexico Oil Conservation Division (NMOCD).**
Agency Contact - Mr. William Olson
Phone number - (505) 827-7154
Responsibilities - Approval of the CQA Plan and the Work Plan
Review of, and a repository for, the final project report

Facility Owner - **Huntsman Polymers Corporation.**
Company Contact - Mr. Reggie Baker
Phone Number - (915) 640-8760
Responsibilities - General direction of the project
Selection of the parties assisting in the cover installation
Main repository for records

Design Engineer/Consultants - **Hicks Consultants, Ltd.**
Company Contact - Mr. Todd Carver
Phone Number - (972) 985-7948
Responsibilities - Prepare documents required for approval by the agency
Prepare the bid package for the contractors
Delineate the area to be included under the cover
Establish with the general contractor where and how to place and construct the erosion markers
Provide the design of the cover along with the CQA Officer/Engineer

CQA Officer/Engineer - **Hicks Consultants, Ltd.**
Company Contact - Mr. Claude Schleyer, P.E.
Phone Number - (505) 248-4619
Responsibilities - Review the design criteria
Design the construction of the cover
Review the raw materials to be recommended for the cover
Review the results for the compaction testing
Provide expert information on the overall project

General Contractor/Construction Contractor-**To Be Determined**
Responsibilities – Prepare a site-specific Health and Safety Plan (HASP)
Provide training and personal protection equipment to personnel present on site
Review with design engineer and facility owner the overall plan for the cover installation

Arrange procurement and transportation of raw materials to the site
Ensure raw materials meet established specifications
Clear the area and install the cover over the designated area
Coordinate the compaction of the cover
Provide quality assurance (compaction) testing and documentation as required using qualified personnel
Set erosion markers where required
Furnish designated reports and photographs
Completes summary report for the project

Soils laboratory - **To Be Determined**
Responsibilities - Provide laboratory compactability curve and optimum water contact for soil to be used in the cover by contractor

Personnel Qualifications

Owner's Representative – Mr. Reggie Baker, Huntsman Polymers, has knowledge of the project, the site, the specifications for the cover installation and the requirements of the agency.

Design Engineer/Consultant – Mr. Todd Carver, Hicks Consultants, Ltd., is a degreed engineer who possesses an intimate knowledge of the site, the parties involved and the regulatory requirements. He is familiar with the testing for the constituents of concern and the area where the cover is to be located. He has managerial experience to enable coordination of all aspects of the project with the agency, owner and contractor.

CQA Officer – Mr. Claude Schleyer, Hicks Consultants, Ltd., is a degreed civil engineer and registered Professional Engineer in the State of New Mexico (license number 8209). He has experience in the construction of covers at similar sites, such as landfills.

CQC Personnel – Employed by the general contractor, selected personnel will be familiar with compaction, water content and density testing and have sufficient experience to perform these analyses.

General Contractor/Construction Contractor – The selected contractor will have experience in installations of this type and size. Personnel will be trained and familiar with hazardous waste handling and have knowledge of general health and safety procedures and requirements. Where applicable, they will be certified in the operation of the equipment employed on the site. The contractor will provide documentation of insurance for worker compensation, vehicle insurance and

liability. They must be (or will prepare paperwork to become) on the Huntsman approved contractor's list.

Soils Laboratory – The selected laboratory will be certified to perform the required soils testing. Personnel will be trained in using the test equipment and experienced in analysis and reporting.

Inspection Activities

Before the cover installation begins, the design engineer, the CQA engineer and the contractor will meet on site to transfer and coordinate knowledge of the requirements for all records. The Quality Assurance Engineer or his representative will conduct the inspections outlined below.

Pre-construction

(1) Conduct visual inspection of the cover raw material. The soil must conform to the specifications of the New Mexico Standard Specification for Public Works Construction (Section 303) and should be free of any deleterious materials.

(2) Provide analytical testing for the raw material. The General Contractor will provide the CQA Engineer with documentation that the cover raw material meets the specifications for Public Works Construction (Section 303 for sub-base preparation).

(3) Determine the optimum compaction curve for the raw material. Field and laboratory personnel will determine the compaction parameters for the raw material and develop moisture content and compaction curves (Modified Proctor test-ASTM D-1557). The CQA Engineer will witness a portion of the testing program and review all test results.

Site Preparation

(4) Visually inspect the site. Before cover installation, The CQA Engineer will verify that the area is grubbed and leveled, that markers are set to indicate both the depth and areal extent of the cover and that the area is clear of all removable obstructions.

(5) Reach agreement on special areas. Through inspection and discussion, The CQA Engineer and the General Contractor will address areas of concern where obstructions, such as concrete foundations, are not readily movable.

Cover Installation

(6) Provide documentation on the weather. The General Contractor will note the weather conditions in the field log to document that the weather will not adversely affect the installation of the cover.

(7) Visually inspect the loads of incoming raw material. Each load received on site will be inspected by the General Contractor for determination of deleterious components contained in the material. The results of each inspection will be documented in the field log. Periodically the CQA Engineer will independently inspect the raw material.

(8) Visually inspect the cover. The CQA Engineer will check the minimum depth, the areal extent and the designated slope at the edges of the cover against design parameters.

(9) Conduct compaction testing for cover during installation. The General Contractor will conduct the water content, rapid test method, (ASTM method D-3017 nuclear test or ASTM D-4643 microwave oven) and total density, rapid test method, (ASTM D-2922 nuclear or equivalent) once per 40,000 square feet of coverage. A minimum of one test per non-continuous cover location will also be performed, regardless of area. Field testers will record the number of passes of the roller required to achieve the desired compaction and record the compaction levels achieved in areas with immovable obstacles. The General Contractor shall retain records of testing and observations in a field log book. Periodically, the CQA Engineer will witness this testing program.

Post Installation

(10) Visually inspect and record the location of erosion markers. The contractor will note on a drawing the location of each marker relative to the cover area.

(11) Visually inspect special areas. The CQA Engineer will determine whether coverage is adequate in areas with immovable objects such as fence lines and foundations.

The General Contractor will provide all inspection records and logs to the CQA engineer and the design engineer. The engineers will review these records as soon after construction as possible to ensure all required records are present.

Sampling Strategy

The format referenced by EPA includes this section as a discussion for the detailed description of extensive sampling and delineation of the frequency of testing. Since this project is not particularly complex, in comparison with landfill and containment construction activities, the sampling strategy is straightforward. Therefore, this section is abbreviated to only list the sampling requirements. Rather than repeat what has been stated in the inspection activities section, reference is made to that section of the document.

Raw Materials-Hicks Consultants recommends duplicate qualification testing by the soils laboratory for the raw material to document that the material meets specifications. The material to be tested should be representative of the borrow material. Samples of the raw material should also be viewed by the CQA engineer. Random sampling from the incoming loads of raw material may be conducted at the request of the CQA engineer.

Cover Construction-Personnel will test compactive properties every 40,000 square feet of cover and in each discontinuous cover. Previous qualification of the raw material will demonstrate that the soil can be compacted to the desired level. Therefore, sampling on site will aid in refining the compaction techniques required to achieve the target level.

Documentation

The Final Construction Report from the Contractor shall contain:

- The testing and compaction curves developed as qualification of the raw material
- The location and result of each compaction test plotted on a site map.
- All records of visual observations as indicated in the inspection activities section
- All construction or field log books and records
- Photographs of selected construction activities and field testing programs

The CQA Engineer will review the Contractors Final Report against his own field notes. Hicks Consulting will then issue an opinion letter regarding the conformance of the final installation with the design specifications. Final payment to the General Contractor shall be withheld until any deficiencies in the opinion letter are resolved.

TABLE 1
Analytical Results for Lead in Soils-Brickland Refinery Site

Fraction	Sample ID	ALLResult	MthRepUnits	Sample Date	CalcRDL	CompRegDescrip
9812170-01A	**B28**	**491**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-02A	**B32**	**782**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-03A	**B41**	**207**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812170-04A	**B42**	**296**	mg / Kg	12/15/1998	10	Test: SW846-7000 series AA-FL
9812170-05A	**B43**	**265**	mg / Kg	12/15/1998	10	Test: SW846-7000 series AA-FL
9812170-06A	**B51**	**26.4**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812170-07A	**B52**	**11.2**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812170-08A	**B53**	**353**	mg / Kg	12/15/1998	10	Test: SW846-7000 series AA-FL
9812170-09A	**B54**	**338**	mg / Kg	12/15/1998	10	Test: SW846-7000 series AA-FL
9812170-10A	**C12**	**566**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-11A	**C13**	**458**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-12A	**C14**	**672**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-13A	**C15**	**471**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-14A	**C16**	**644**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-15A	**C17**	**298**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-18A	**C22**	**1950**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812170-19A	**C23**	**1140**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812170-20A	**C24**	**1630**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812170-21A	**C25**	**1050**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812170-22A	**C26**	**165**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812170-24A	**C32**	**421**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-25A	**C33**	**1660**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812170-26A	**C34**	**6380**	mg / Kg	12/15/1998	250	Test: SW846-7000 series AA-FL
9812170-27A	**C35**	**464**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-31A	**C43**	**544**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-32A	**C44**	**5190**	mg / Kg	12/15/1998	250	Test: SW846-7000 series AA-FL
9812170-33A	**C45**	**980**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812170-34A	**C46**	**10.2**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812170-35A	**G42**	**10.9**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812170-16A	**C18**	**623**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812170-17A	**C21**	**1290**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812170-23A	**C27**	**87.6**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812170-28A	**C36**	**153**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812170-29A	**C37**	**16.4**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812170-30A	**C42**	**598**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL

Fraction	Sample ID	ALLResult	MthRepUnits	Sample Date	CalcRDL	CompRegDescrip
9812168-01A	**F55**	**975**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812168-02A	**F56**	**907**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-03A	**F57**	**124**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-04A	**F58**	**722**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-05A	**F59**	**506**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812168-06A	**F510**	**ND**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-07A	**F45**	**1840**	mg / Kg	12/15/1998	125	Test: SW846-7000 series AA-FL
9812168-08A	**F46**	**1640**	mg / Kg	12/15/1998	125	Test: SW846-7000 series AA-FL
9812168-09A	**F47**	**465**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-10A	**F48**	**204**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-11A	**F54**	**1320**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812168-12A	**G74**	**8.6**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-13A	**F79**	**729**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-14A	**F710**	**825**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-15A	**F15**	**319**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-16A	**F16**	**108**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-17A	**F17**	**144**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-18A	**F18**	**381**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-19A	**F19**	**98.0**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-20A	**F110**	**937**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-21A	**F25**	**1180**	mg / Kg	12/15/1998	125	Test: SW846-7000 series AA-FL
9812168-22A	**F26**	**1110**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812168-23A	**F27**	**759**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-24A	**F28**	**775**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-25A	**F63**	**768**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-26A	**F64**	**1720**	mg / Kg	12/15/1998	125	Test: SW846-7000 series AA-FL
9812168-27A	**F65**	**1090**	mg / Kg	12/15/1998	125	Test: SW846-7000 series AA-FL
9812168-28A	**F66**	**893**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-29A	**F67**	**390**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-30A	**F68**	**556**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-31A	**F69**	**207**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-32A	**F610**	**22.9**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-33A	**F75**	**964**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-34A	**F76**	**69.7**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-35A	**F77**	**342**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-36A	**F78**	**147**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-37A	**G24**	**6.9**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-38A	**G25**	**104**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-39A	**G26**	**27.8**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-40A	**G31**	**15.3**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-41A	**G32**	**12.1**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-42A	**G33**	**12.0**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-43A	**G34**	**257**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812168-44A	**G35**	**ND**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-45A	**G36**	**6.9**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-46A	**G37**	**12.2**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-47A	**G43**	**7.1**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812168-48A	**G44**	**5.9**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL

Fraction	Sample ID	ALLResult	MthRepUnits	Sample Date	CalcRDL	CompRegDescrip
9812169-01A	**G45**	**6.4**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-02A	**G46**	**20.2**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-03A	**G47**	**7.9**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-04A	**G48**	**51.6**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-05A	**G51**	**6.2**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-06A	**G52**	**ND**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-07A	**G53**	**ND**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-08A	**G54**	**ND**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-09A	**G12**	**58.2**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-10A	**G21**	**17.1**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-11A	**G27**	**267**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812169-12A	**G31**	**18.0**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-13A	**G55**	**6.2**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-14A	**G56**	**8.0**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-15A	**G57**	**ND**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-16A	**G58**	**ND**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-17A	**G61**	**17.6**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-18A	**G62**	**59.6**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-19A	**G63**	**6.6**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-20A	**G64**	**8.6**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-21A	**G65**	**6.2**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-22A	**G66**	**9.3**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-23A	**G67**	**33.3**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-24A	**G72**	**142**	mg / Kg	12/15/1998	5	Test: SW846-7000 series AA-FL
9812169-25A	**F89**	**958**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812169-26A	**F810**	**938**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812169-27A	**B14**	**652**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812169-28A	**B15**	**521**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL
9812169-29A	**B16**	**1660**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812169-30A	**B17**	**3630**	mg / Kg	12/15/1998	125	Test: SW846-7000 series AA-FL
9812169-31A	**B22**	**1160**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812169-32A	**B23**	**238**	mg / Kg	12/15/1998	10	Test: SW846-7000 series AA-FL
9812169-33A	**B24**	**6170**	mg / Kg	12/15/1998	500	Test: SW846-7000 series AA-FL
9812169-34A	**B25**	**1160**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812169-35A	**B26**	**1190**	mg / Kg	12/15/1998	50	Test: SW846-7000 series AA-FL
9812169-36A	**B27**	**468**	mg / Kg	12/15/1998	25	Test: SW846-7000 series AA-FL

Fraction	Sample ID	ALLResult	MthRepUnits	Sample Date	RunDF	CalcRDL	CompRegDescrip
9812167-01A	**E15**	**1200**	mg / Kg	12/15/1998	25	125	Test: SW846-7000 series AA-FL
9812167-02A	**E16**	**688**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-03A	**E17**	**267**	mg / Kg	12/15/1998	3	15	Test: SW846-7000 series AA-FL
9812167-04A	**E21**	**444**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-05A	**E22**	**270**	mg / Kg	12/15/1998	3	15	Test: SW846-7000 series AA-FL
9812167-06A	**E23**	**92.4**	mg / Kg	12/15/1998	1	5	Test: SW846-7000 series AA-FL
9812167-07A	**E24**	**1040**	mg / Kg	12/15/1998	10	50	Test: SW846-7000 series AA-FL
9812167-08A	**E25**	**1030**	mg / Kg	12/15/1998	10	50	Test: SW846-7000 series AA-FL
9812167-09A	**E26**	**847**	mg / Kg	12/15/1998	10	50	Test: SW846-7000 series AA-FL
9812167-10A	**E27**	**175**	mg / Kg	12/15/1998	1	5	Test: SW846-7000 series AA-FL
9812167-11A	**E31**	**ND**	mg / Kg	12/15/1998	1	5	Test: SW846-7000 series AA-FL
9812167-12A	**E32**	**13.1**	mg / Kg	12/15/1998	1	5	Test: SW846-7000 series AA-FL
9812167-13A	**E33**	**1280**	mg / Kg	12/15/1998	10	50	Test: SW846-7000 series AA-FL
9812167-14A	**E34**	**362**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-15A	**E35**	**1950**	mg / Kg	12/15/1998	10	50	Test: SW846-7000 series AA-FL
9812167-16A	**E36**	**477**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-17A	**E37**	**1720**	mg / Kg	12/15/1998	10	50	Test: SW846-7000 series AA-FL
9812167-18A	**E43**	**993**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-19A	**E44**	**24.9**	mg / Kg	12/15/1998	10	1	Test: SW846-7000 series AA-FL
9812167-20A	**E45**	**34.0**	mg / Kg	12/15/1998	10	1	Test: SW846-7000 series AA-FL
9812167-21A	**G13**	**0.7**	mg / Kg	12/15/1998	1	0.1	Test: SW846-7000 series AA-FL
9812167-22A	**G14**	**1.2**	mg / Kg	12/15/1998	1	0.1	Test: SW846-7000 series AA-FL
9812167-23A	**G22**	**1.4**	mg / Kg	12/15/1998	1	0.1	Test: SW846-7000 series AA-FL
9812167-24A	**G23**	**22.9**	mg / Kg	12/15/1998	1	5	Test: SW846-7000 series AA-FL
9812167-25A	**E46**	**44.1**	mg / Kg	12/15/1998	25	2.5	Test: SW846-7000 series AA-FL
9812167-26A	**E47**	**67.6**	mg / Kg	12/15/1998	25	2.5	Test: SW846-7000 series AA-FL
9812167-27A	**E52**	**6.3**	mg / Kg	12/15/1998	5	0.5	Test: SW846-7000 series AA-FL
9812167-28A	**E53**	**15.1**	mg / Kg	12/15/1998	5	0.5	Test: SW846-7000 series AA-FL
9812167-29A	**E55**	**18.7**	mg / Kg	12/15/1998	5	0.5	Test: SW846-7000 series AA-FL
9812167-30A	**E56**	**960**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-31A	**E63**	**430**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-32A	**E64**	**13.6**	mg / Kg	12/15/1998	5	0.5	Test: SW846-7000 series AA-FL
9812167-33A	**E65**	**535**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-34A	**E12**	**137**	mg / Kg	12/15/1998	1	5	Test: SW846-7000 series AA-FL
9812167-35A	**E13**	**18.0**	mg / Kg	12/15/1998	1	5	Test: SW846-7000 series AA-FL
9812167-36A	**E14**	**5.5**	mg / Kg	12/15/1998	1	5	Test: SW846-7000 series AA-FL
9812167-37A	**F29**	**876**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-38A	**F210**	**65.6**	mg / Kg	12/15/1998	1	5	Test: SW846-7000 series AA-FL
9812167-39A	**F35**	**1240**	mg / Kg	12/15/1998	10	50	Test: SW846-7000 series AA-FL
9812167-40A	**F36**	**518**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-41A	**F37**	**1340**	mg / Kg	12/15/1998	10	50	Test: SW846-7000 series AA-FL
9812167-42A	**F38**	**530**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-43A	**F39**	**530**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-44A	**F310**	**55.2**	mg / Kg	12/15/1998	1	5	Test: SW846-7000 series AA-FL
9812167-45A	**F85**	**775**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-46A	**F86**	**219**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-47A	**F87**	**565**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL
9812167-48A	**F88**	**564**	mg / Kg	12/15/1998	5	25	Test: SW846-7000 series AA-FL

Fraction	Sample ID	ALLResult	MthRepUnits	Sample Date	CompRegDescrip
9902077-01A	BC32	277	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-02A	ED31	268	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-03A	ED35	634	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-04A	ED48	593	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-05A	ED44	23.4	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-06A	ED47	654	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-07A	ED32	864	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-08A	ED36	669	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-09A	BC33	20.0	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-10A	BC23	36.2	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-11A	BC27	1610	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-12A	BC26	430	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-13A	BC21	273	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-14A	BC34	247	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-15A	BC25	208	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-16A	ED33	262	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-17A	ED37	846	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-18A	ED46	510	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-19A	ED45	820	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-20A	ED38	570	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-21A	ED34	ND	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-22A	ED19	413	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-23A	BC22	129	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902077-24A	ED17	490	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL

Fraction	Sample ID	ALLResult	MthRepUnits	Sample Date	CompRegDescrip
9902076-01A	ED86	108	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-02A	ED87	264	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-03A	ED88	292	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-04A	ED89	72.5	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-05A	ED810	426	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-06A	ED811	804	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-07A	ED812	442	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-08A	ED714	1770	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-09A	F74	1540	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-10A	ED43	7.6	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-11A	ED51	701	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-12A	ED56	412	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-13A	ED108	338	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-14A	ED97	468	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-15A	ED911	450	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-16A	ED42	98.9	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-17A	ED52	986	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-18A	ED69	242	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-19A	ED106	306	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-20A	ED98	423	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-21A	912	218	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-22A	ED41	525	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-23A	ED54	49.4	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-24A	ED610	208	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-25A	ED95	321	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-26A	ED99	350	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-27A	ED814	358	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-28A	F84	416	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-29A	ED910	229	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-30A	ED96	86.4	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-31A	ED55	430	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902076-32A	ED1011	193	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL

Fraction	Sample ID	ALLResult	MthRepUnits	Sample Date	CompRegDescrip
9902075-01A	ED18	2180	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-02A	BC35	182	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-03A	BC36	1300	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-04A	BC37	717	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-05A	BC38	287	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-06A	ED12	127	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-07A	ED13	508	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-08A	ED14	167	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-09A	ED15	170	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-10A	ED16	208	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-11A	ED22	63.6	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-12A	ED23	224	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-13A	ED24	151	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-14A	ED25	274	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-15A	ED26	508	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-16A	ED27	201	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-17A	ED28	1070	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-18A	ED49	322	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-19A	ED59	591	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-20A	ED410	299	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-21A	ED411	466	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-22A	ED512	653	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-23A	ED77	548	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-24A	ED68	346	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-25A	ED66	52.2	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-26A	ED57	1160	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-27A	ED65	272	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-28A	ED53	169	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-29A	ED78	105	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-30A	ED79	182	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-31A	ED710	871	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-32A	ED1010	135	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-33A	ED109	62.2	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-34A	ED107	217	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-35A	ED105	428	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902075-36A	ED85	40.4	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL

Fraction	Sample ID	ALLResult	MthRepUnits	Sample Date	CompRegDescrip
9902074-01A	BC17	143	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-02A	A33	103	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-03A	B18	521	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-04A	BC14	151	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-05A	BC18	900	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-06A	BC39	742	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-07A	BC49	765	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-08A	BC48	1310	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-09A	BC59	1270	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-10A	BC58	1040	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-11A	BC57	618	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-12A	BC47	1100	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-13A	F410	211	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-14A	A35	85.8	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-15A	BC12	275	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-16A	BC16	1230	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-17A	F49	372	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-18A	A34	63.6	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-19A	BC11	481	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-20A	BC15	181	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-21A	BC28	818	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-22A	A32	177	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-23A	A36	156	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-24A	BC13	203	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-25A	A17	478	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-26A	A16	172	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-27A	A26	112	mg / Kg	2/8/99	Test: SW846 3050A/7000 series AA-FL
9902074-28A	A25	80.1	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-29A	A14	999	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-30A	A31	114	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-31A	A21	338	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-32A	A22	210	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-33A	A23	187	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-34A	A24	411	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-35A	A15	141	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL
9902074-36A	BC24	494	mg / Kg	2/5/99	Test: SW846 3050A/7000 series AA-FL

Fraction	Sample ID	Sample Date	ALLResult	MthRepUn	CompRegDescrip
9902234-01A	CD 61	2/25/1999	275	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-02A	CD 62	2/25/1999	406	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-03A	CD 63	2/25/1999	395	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-04A	CD 64	2/25/1999	692	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-05A	CD 65	2/25/1999	1160	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-06A	CD 66	2/25/1999	258	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-07A	CD 67	2/25/1999	553	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-08A	CD 68	2/25/1999	817	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-09A	CD 69	2/25/1999	136	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-10A	CD 610	2/25/1999	560	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-11A	CD 611	2/25/1999	1400	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-12A	CD 71	2/25/1999	80.0	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-13A	CD 72	2/25/1999	165	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-14A	CD 73	2/25/1999	1790	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-15A	CD 74	2/25/1999	585	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-16A	CD 75	2/25/1999	284	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-17A	CD 76	2/25/1999	292	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-18A	CD 77	2/25/1999	147	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-19A	CD 78	2/25/1999	783	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-20A	CD 79	2/25/1999	76.2	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-21A	CD 710	2/25/1999	171	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-22A	CD 711	2/25/1999	946	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-23A	CD 81	2/25/1999	137	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-24A	CD 82	2/25/1999	206	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-25A	CD 83	2/25/1999	886	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-26A	CD 84	2/25/1999	138	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-27A	CD 85	2/25/1999	708	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-28A	CD 86	2/25/1999	514	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-29A	CD 87	2/25/1999	317	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-30A	CD 88	2/25/1999	686	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-31A	CD 89	2/25/1999	355	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-32A	CD 810	2/25/1999	181	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-33A	CD 811	2/25/1999	296	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-34A	CD 91	2/25/1999	190	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-35A	CD 92	2/25/1999	280	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-36A	CD 93	2/25/1999	1600	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-37A	CD 94	2/25/1999	1560	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-38A	CD 95	2/25/1999	742	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-39A	CD 96	2/25/1999	574	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-40A	CD 97	2/25/1999	625	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-41A	CD 98	2/25/1999	949	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-42A	CD 99	2/25/1999	1210	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-43A	CD 910	2/25/1999	509	mg / Kg	Test: SW846 3050A/7000 series AA-FL
9902234-44A	CD 911	2/25/1999	119	mg / Kg	Test: SW846 3050A/7000 series AA-FL

Fraction	Sample ID	ALLResult	MthRepUnits	Sample Date	CompRegDescrip
9902235-01A	CD 101	52.9	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-02A	CD 102	193	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-03A	CD 103	119	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-04A	CD 104	143	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-05A	CD 105	18.3	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-06A	CD 106	80.8	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-07A	CD 107	13.0	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-08A	CD 108	273	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-09A	CD 109	1020	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-10A	CD 1010	420	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-11A	CD 1011	547	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-12A	CD 1101	40.8	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-13A	CD 1102	400	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-14A	CD 1103	137	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-15A	CD 1104	722	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-16A	CD 1105	1060	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-17A	CD 1106	564	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-18A	CD 1107	586	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-19A	CD 1108	503	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-20A	CD 1109	761	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-21A	CD 1110	568	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL
9902235-22A	CD 1111	564	mg / Kg	2/25/1999	Test: SW846 3050A/7000 series AA-FL