SEVERN TRENT SERVICES

**STL Los Angeles**
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

December 27, 2000

STL LOT NUMBER: **E0L160151**
PO/CONTRACT: 05160-SEV002

Rus Purcell
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Purcell,

This report contains the analytical results for the four samples received under chain of custody by STL Los Angeles on December 16, 2000. These samples are associated with your Boeing C-6 project.

All applicable quality control procedures met method-specified acceptance criteria. Matrix related anomalies are footnoted within the report.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 714-258-8610.

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

BOE-C6-0168594

No. 203082

# SEVERN TRENT LABORATORIES

Committed To *Your* Success

# CHAIN OF CUSTODY RECORD

| CUSTOMER INFORMATION | PROJECT INFORMATION |
|---|---|
| COMPANY: Kennedy / Jenks | PROJECT NAME/NUMBER: 0040'34.00 |
| SEND REPORT TO: Jay Knight | BILLING INFORMATION |
| ADDRESS: 2151 Michelson Dr. #100 | BILL TO: Boeing Realty Corp. |
| Irvine CA. 92612 | ADDRESS: |
| PHONE: 949-261-1577 | PHONE: |
| FAX: | FAX: PO NO.: |

| SAMPLE NO. | SAMPLE DESCRIPTION | SAMPLE DATE | SAMPLE TIME | SAMPLE MATRIX | CONTAINER | PRESERV. | NUMBER OF CONTAINERS | 8260B / VOCs | 6000 / 7000 metals | | | | | | | REMARKS/PRECAUTIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Build-1-J-4-121500-1 | 12-15-00 | 1000 | Soil | 2x6 brass | None | | X | X | | | | | | | |
| | Build-1-J-4-121500-2 | ↓ | 1010 | ↓ | ↓ | ↓ | | X | X | | | | | | | |
| | Build-1-J-4-121500-3 | | 1020 | | ↓ | | | X | X | | | | | | | |
| | Build-1-H-7-121500-1 | ↓ | 1330 | ↓ | 1x6" Poly | ↓ | | X | X | | | | | | | |

SAMPLER:

SHIPMENT METHOD:

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

| 1. RELINQUISHED BY: | DATE | 2. RELINQUISHED BY: | DATE | 3. RELINQUISHED BY: | DATE |
|---|---|---|---|---|---|
| SIGNATURE: | 12-15-00 | SIGNATURE: | 12/15/00 | SIGNATURE: | |
| PRINTED NAME/COMPANY: Kennedy / Jenks | TIME 1500 | PRINTED NAME/COMPANY: JR | TIME 1750 | PRINTED NAME/COMPANY: | TIME |
| 1. RECEIVED BY: | DATE | 2. RECEIVED BY: | DATE | 3. RECEIVED BY: | DATE |
| SIGNATURE: | 12-15-00 | SIGNATURE: Nelly Villalobos | 12/15 | SIGNATURE: | |
| PRINTED NAME/COMPANY: JR | TIME 1620 | PRINTED NAME/COMPANY: STL | TIME 1750 | PRINTED NAME/COMPANY: | TIME |

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

LAB JOB NO.

000002


**SEVERN TRENT LABORATORIES**

1721 South Grand Avenue
Santa Ar \ 92705

Phone: (714) 258-8610 / Fax: (714) 258-0921

# SEVERN TRENT LABORATORIES, INC. STANDARD TERMS AND CONDITIONS

**ACCEPTANCE.** Severn Trent Laboratories, Inc. (hereafter referred to as "STL") offers and will accept orders for services (as defined herein) only under the following Standard Terms and Conditions (the "Terms"). These Terms shall not apply if STL and the Customer shall have executed a separate agreement in writing. If specific Terms are not incorporated in the separate agreement those Terms will apply to the Customer. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of STL. Customer's order for services shall be subject to the Terms and the Terms shall be binding upon receipt of samples to STL. Either party may terminate this agreement at any time by giving written notice of such termination to the other party. Upon termination the customer is subject to payment for all services rendered and expenses incurred up to date in accordance with the applicable Price Schedule.

**INSURANCE.** STL maintains insurance coverage with minimum limits as follows: (a) Comprehensive General Liability- $1,000,000 each occurrence $2,000,000 annual aggregate; (b) Comprehensive Automotive Liability Bodily Injury and Property Damage- $1,000,000 each occurrence. (c) Workman's Compensation- $500,000 each occurrence and $500,000 each employee; STL and Customer agree to furnish the other, upon request, certificates attesting to the existence of insurance coverage.

**INDEPENDENT CONTRACTOR.** STL's relationship with Customer under this agreement shall be that of an independent contractor. Nothing in this Agreement shall be construed to designate STL, or any of its employees or subcontractors, as employees, joint venturers or partners of Customer.

**SUBCONTRACTING.** STL shall have the right to subcontract any and all services, duties, and obligations hereunder, in whole or in part with the consent of the Customer in a timely response which shall not be unreasonably refused. Subcontractor shall be bound by the same Terms of performance as STL.

**BILLING.** All fees are charged or billed directly to the Customer. The billing of a third party will not be accepted without a statement, signed by the third party, which acknowledges and accepts payment responsibility.

**PAYMENT.** Payment in advance is required for all Customers except those whose credit has been established with STL. Customers with STL approved credit, terms are Net 30 days, after which time a 1-1/2% per month late charge is added to all unpaid balances. Failure of the Customer to pay according to Terms gives STL the right to withhold delivery of future data until all past due invoices have been settled. Customer shall pay all costs and expenses incident to the collection of past due amounts, including reasonable attorney's fees. No retainage of fees by the customer is allowed without the consent of STL.

**MODIFICATIONS.** If the sample received is of unknown character than in the original quote, or if due to the composition of the sample the original procedure specified is not practicable or likely to produce reliable results, Customer will be promptly notified. Modified procedures will be suggested and STL may quote new prices for such modifications. Upon agreement of such modification, the original quote shall be deemed amended and the samples in question shall be deemed to have been received.

**TIME OF PERFORMANCE.** STL will use its best efforts to comply with storage, processing and analytical time limits requested by the Customer. Unless specifically agreed to in writing between STL and Customer, the time performance of any testing or other services performed by STL under this agreement is not guaranteed and STL shall have no liability for failure to perform such services within the time requested. Quick turnaround times are available at a premium cost which will be defined in the quote, providing STL workload availability.

**LIMITATION OF DAMAGES.** STL is not an insurer of services rendered and the payments mentioned are based solely on the value of the services provided pursuant to this agreement. STL's liability to the Customer and the Customer's exclusive remedy for any cause of action alleged against STL, whether based in contract, tort, or otherwise, shall be limited solely to the amount paid by the Customer for the services performed. In no event shall STL be liable for incidental or consequential damages including, without limitation, business interruption, loss of use, or loss of profits incurred by the Customer, its subsidiaries, affiliates, successors or assigns, arising out of or related to this agreement or the performance of services hereunder.

**WARRANTY.** STL makes no warranty or representation, express or implied, or guarantee of results from the performance of services pursuant to this Agreement. Any information, recommendation, interpretation, or opinion by STL is based upon inferences and assumptions which are subject to error, and with respect to which analysis may differ. Accordingly, STL does not assume any liability with respect to the use of, or for damages resulting from the use of, any information, data, test results, analysis, apparatus, method, or process disclosed by STL. STL makes no presentation or warranty of any kind, including but not limited to, the warranties of fitness for a particular purpose or merchantability, nor are any such warranties to be implied with respect to the data or service furnished. STL assumes no responsibility with respect to Customer's use thereof.

**LIMITATION ACTION.** No action, regardless of form, arising out of or brought in connection with any services provided under this Agreement may be brought by the Customer more than one year after the performance of said services by STL. It is expressly agreed that STL shall have no liability to Customer unless that liability arises out of the willful misconduct or gross negligence of STL or its duly authorized employees.

**CONFIDENTIALITY.** Data and the sample materials provided by Customer or at Customer's request and the result obtained by STL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Customer has failed to pay STL for all services rendered or is otherwise in breach of this Agreement) subject to any disclosure required by law or legal process. STL's reports and the data and information provided therein are for the exclusive use and benefit of Customer and Customer agrees there shall be no third party beneficiary of such reports, data, or information. Customer will not disclose to any third party any information concerning STL's technical information, software programs, or other formulations.

**SEVERABILITY.** The provisions of this Agreement shall be severable, and if any clause, sentence, paragraph, provision or other part hereof shall be adjudged by any court of competent jurisdiction to be invalid, such judgment shall not affect, impair or invalidate the remainder hereof, which remainder shall continue in full force and effect.

**WAIVER.** No waiver by either party of any breach, default or violation of any term, warranty, representation, agreement, covenant, condition or provision hereof shall constitute a waiver of any subsequent breach, default or violation of the same or any other term, warranty, representation, agreement, covenant, condition or provision hereof. All waivers must be in writing.

**FORCE MAJEURE.** Obligation of either party under this Agreement shall be suspended, and such party shall not be liable for damages or other remedies while such party is prevented from complying therewith, in whole or in part, due to contingencies beyond its reasonable control, including, but not limited to, strikes, riots, war, fire, act of God, injunction, compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or any instrumentality, matrix interference or unknown highly contaminated samples that impact instrument operations thereof, whether now existing or hereafter created, inability to secure materials or obtain necessary permits, provided, however, the party so prevented from complying with its obligations hereunder shall promptly notify the other party thereof.

**LITIGATION.** All costs associated with compliance to any subpoena for documents, for testimony in court of law, or for any other purpose relating to work performed by STL, in connection with work performed for the Customer, shall be paid by the Customer. Such costs shall include, but are not limited to, hourly charges for persons involved in responding to subpoenas, travel and accommodations, mileage, attorney's preparation of testifier and advice of counsel in connection with response to subpoenas, and all other expenses deemed reasonable and associated with said litigation.

**HAZARDOUS WASTE.** Unused portions of samples found or suspected to be hazardous according to state or federal guidelines may be returned to the Customer upon completion of the analytical work. The cost of returning the sample may be invoiced to the Customer. The sample portions thereof remain the property of the Customer at all times. All radioactive or dioxin containing samples will be returned to the sampling site or to the Customer at the Customer's expense.

**RETENTION OF SAMPLES.** All routine samples are retained in our storage facilities for 30 days after report generation unless prior arrangements have been made. Samples may be held longer per Customers request for an additional fee.

**RETENTION OF REPORTS.** STL shall retain copies of analytical reports for a period of 5 years after report date, after which such reports may be destroyed or returned to the Customer at Customers expense. If Customer requests additional copies of such analytical reports during the retention period, an additional charge will apply for the preparation and printing of such reports.

**COMPLIANCE WITH LAW.** In the performance of all services to be provided hereunder, STL and Customer agree to comply with all applicable Federal, State and local laws and ordinances and all lawful orders, rules and regulations of any constituted authority.

**APPLICABLE LAW.** The validity, performance and construction of this Agreement shall be governed by and construed in accordance with the laws of the State of Delaware.

DRAFT — REVISION 1/27/99

# STL – LOS ANGELES
## PROJECT RECEIPT CHECKLIST

Date: 12/15/00

Quantims Lot #: EOL 160151

Quote #:

Client Name: KENNEDY / JENKS

Project: 004034.00

Received by: AV

Date/Time Received: 12/15 . 17:50

Delivered by : ☐Client ☐Airborne ☐Fed Ex ☐DHL ☐Ultra-Ex ☐Rey B. ☐UPS ☐DES ☒Other MIKE H.

Initial / Date

Custody Seal Status: ☐Intact ☐Broken ☒None ..... 12/15 AV

Custody Seal #(s): ☐No Seal # .....

Sample Container(s): ☐STL-LA ☒Client ☐N/A .....

Temperature(s) (COOLER/BLANK) in °C: 16°C (CORRECTED TEMP).....

Thermometer Used : ☒IR (Infra-red) ☐Digital (Probe) .....

Samples: ☒Intact ☐Broken ☐Other .....

Anomalies: ☒No ☐Yes (See Clouseau) .....

Labeled by .....

Labeling checked by .....

Turn Around Time: ☐RUSH-24HR ☐RUSH-48HR ☐RUSH-72HR ☒NORMAL ..... AV 12/15

Short-Hold Notification: ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☐N/A ...

Outside Analysis(es) (Test/Lab/Date Sent Out) :

********** LEAVE NO BLANK SPACES ; USE N/A **********

| Fraction | 1 TO 3 | 4 | | | | | | | | | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOAh /* | | | | | | | | | | | N/A |
| Poly Sleeve | ⊕ | 1 | | | | | | | | | |
| Brass Sleeve | 1 | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

h:HCl ss:Sodium Hydroxide zone:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/f/l:HNO3-Lab filtered

CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: AB 12/16/00 REVIEWED BY/DATE: [signature]

000003

BOE-C6-0168596

# EXECUTIVE SUMMARY - Detection Highlights

E0L160151

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **Build-1-j-4-121500-1 12/15/00 10:00 001** | | | | |
| Mercury | 0.063 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 23600 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 3.8 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.48 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 141 | 2.0 | mg/kg | SW846 6010B |
| Cadmium | 0.40 B | 0.50 | mg/kg | SW846 6010B |
| Chromium | 25.3 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.63 | 0.50 | mg/kg | SW846 6010B |
| Lead | 4.4 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 9.3 | 5.0 | mg/kg | SW846 6010B |
| Copper | 34.7 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 1.3 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 16.0 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.85 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 52.1 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 74.5 | 2.0 | mg/kg | SW846 6010B |
| **Build-1-J-4-121500-2 12/15/00 10:10 002** | | | | |
| Mercury | 0.036 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 23200 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.0 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.36 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 141 | 2.0 | mg/kg | SW846 6010B |
| Cadmium | 0.51 | 0.50 | mg/kg | SW846 6010B |
| Chromium | 25.8 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.66 | 0.50 | mg/kg | SW846 6010B |
| Lead | 6.5 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 11.0 | 5.0 | mg/kg | SW846 6010B |
| Copper | 57.6 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 1.5 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 18.3 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.60 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 54.1 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 83.3 | 2.0 | mg/kg | SW846 6010B |
| Trichloroethene | 6.2 | 5.0 | ug/kg | SW846 8260B |
| **Build-1-J-4-121500-3 12/15/00 10:20 003** | | | | |
| Mercury | 0.073 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 26100 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.2 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.48 B | 6.0 | mg/kg | SW846 6010B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E0L160151

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **Build-1-J-4-121500-3 12/15/00 10:20** | **003** | | | |
| Barium | 152 | 2.0 | mg/kg | SW846 6010B |
| Cadmium | 0.51 | 0.50 | mg/kg | SW846 6010B |
| Chromium | 28.7 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.69 | 0.50 | mg/kg | SW846 6010B |
| Lead | 4.8 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 9.9 | 5.0 | mg/kg | SW846 6010B |
| Copper | 28.3 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 1.7 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 18.5 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.68 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 61.8 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 81.1 | 2.0 | mg/kg | SW846 6010B |
| **Build-1-H-4-121500-1 12/15/00 13:30** | **004** | | | |
| Mercury | 0.21 | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 18800 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 5.9 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.33 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 121 | 2.0 | mg/kg | SW846 6010B |
| Cadmium | 0.54 | 0.50 | mg/kg | SW846 6010B |
| Chromium | 21.0 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.54 | 0.50 | mg/kg | SW846 6010B |
| Lead | 12.0 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 8.9 | 5.0 | mg/kg | SW846 6010B |
| Copper | 82.1 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 1.3 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 14.7 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.56 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 43.7 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 56.1 | 2.0 | mg/kg | SW846 6010B |
| Acetone | 69 | 25 | ug/kg | SW846 8260B |
| Methylene chloride | 6.2 | 5.0 | ug/kg | SW846 8260B |

# METHODS SUMMARY

**E0L160151**

| PARAMETER | ANALYTICAL METHOD | PREPARATION METHOD |
|---|---|---|
| Inductively Coupled Plasma (ICP) Metals | SW846 6010B | SW846 3050B |
| Mercury in Solid Waste (Manual Cold-Vapor) | SW846 7471A | SW846 7471A |
| Volatile Organics by GC/MS | SW846 8260B | SW846 5030 |

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

**E0L160151**

| WO # | SAMPLE# | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|---|
| DRKFX | 001 | Build-1-j-4-121500-1 | 12/15/00 | 10:00 |
| DRKF3 | 002 | Build-1-J-4-121500-2 | 12/15/00 | 10:10 |
| DRKF6 | 003 | Build-1-J-4-121500-3 | 12/15/00 | 10:20 |
| DRKF7 | 004 | Build-1-H-4-121500-1 | 12/15/00 | 13:30 |

**NOTE(S):**

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-j-4-121500-1

GC/MS Volatiles

Lot-Sample #...: E0L160151-001 Work Order #...: DRKFX1AA Matrix.....: SOLID
Date Sampled...: 12/15/00 10:00 Date Received..: 12/15/00 17:50 MS Run #.....: 0358061
Prep Date.....: 12/22/00 Analysis Date..: 12/23/00
Prep Batch #...: 0358179 Analysis Time..: 06:45
Dilution Factor: 1
Analyst ID.....: 015590 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-j-4-121500-1

GC/MS Volatiles

Lot-Sample #...: E0L160151-001 Work Order #...: DRKFX1AA Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 97 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 136 | (60 - 140) |
| Toluene-d8 | 97 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-J-4-121500-2

GC/MS Volatiles

**Lot-Sample #...:** E0L160151-002 **Work Order #...:** DRKF31AA **Matrix.....:** SOLID
**Date Sampled...:** 12/15/00 10:10 **Date Received..:** 12/15/00 17:50 **MS Run #.....:** 0358064
**Prep Date.....:** 12/23/00 **Analysis Date..:** 12/23/00
**Prep Batch #...:** 0358182 **Analysis Time..:** 11:04
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **6.2** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-J-4-121500-2

GC/MS Volatiles

Lot-Sample #...: E0L160151-002 Work Order #...: DRKF31AA Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 106 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 129 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-J-4-121500-3

GC/MS Volatiles

**Lot-Sample #...:** E0L160151-003 **Work Order #...:** DRKF61AA **Matrix.....:** SOLID
**Date Sampled...:** 12/15/00 10:20 **Date Received..:** 12/15/00 17:50 **MS Run #.....:** 0358064
**Prep Date.....:** 12/23/00 **Analysis Date..:** 12/23/00
**Prep Batch #...:** 0358182 **Analysis Time..:** 10:32
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-J-4-121500-3

GC/MS Volatiles

Lot-Sample #...: E0L160151-003 Work Order #...: DRKF61AA Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 97 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 125 | (60 - 140) |
| Toluene-d8 | 96 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-H-4-121500-1

GC/MS Volatiles

Lot-Sample #...: E0L160151-004 Work Order #...: DRKF71AA Matrix.....: SOLID
Date Sampled...: 12/15/00 13:30 Date Received..: 12/15/00 17:50 MS Run #.....: 0358064
Prep Date.....: 12/23/00 Analysis Date..: 12/23/00
Prep Batch #...: 0358182 Analysis Time..: 09:59
Dilution Factor: 1
Analyst ID.....: 015590 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| **Acetone** | **69** | **25** | **ug/kg** | **15** |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| **Methylene chloride** | **6.2** | **5.0** | **ug/kg** | **3.0** |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-H-4-121500-1

GC/MS Volatiles

Lot-Sample #...: E0L160151-004 Work Order #...: DRKF71AA Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 126 | (60 - 140) |
| Toluene-d8 | 98 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-j-4-121500-1

TOTAL Metals

Lot-Sample #...: E0L160151-001 Matrix.....: SOLID
Date Sampled...: 12/15/00 10:00 Date Received..: 12/15/00 17:50

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0353339 | | | | | | |
| Mercury | 0.063 B | 0.10 | mg/kg | SW846 7471A | 12/20-12/21/00 | DRKFX1AW |
| | | Dilution Factor: 1 | | Analysis Time..: 15:35 | Analyst ID.....: 021088 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0353168 | MDL.....: 0.020 | |
| Prep Batch #...: 0354418 | | | | | | |
| Aluminum | 23600 | 20.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AC |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031198 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 8.0 | |
| Arsenic | 3.8 | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AD |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Antimony | 0.48 B | 6.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AE |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.20 | |
| Barium | 141 | 2.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AF |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Cadmium | 0.40 B | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AG |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.050 | |
| Chromium | 25.3 | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AH |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Beryllium | 0.63 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AJ |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.050 | |
| Lead | 4.4 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AK |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-j-4-121500-1

TOTAL Metals

Lot-Sample #...: E0L160151-001 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AL |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AM |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Cobalt | 9.3 | 5.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AN |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Copper | 34.7 | 2.5 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AP |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Molybdenum | 1.3 B | 4.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AQ |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |
| Nickel | 16.0 | 4.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AR |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |
| Thallium | 0.85 B | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AT |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.50 | |
| Vanadium | 52.1 | 5.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AU |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Zinc | 74.5 | 2.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKFX1AV |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 1.0 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-J-4-121500-2

TOTAL Metals

Lot-Sample #...: E0L160151-002 Matrix.....: SOLID
Date Sampled...: 12/15/00 10:10 Date Received..: 12/15/00 17:50

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0353339 | | | | | | |
| Mercury | 0.036 B | 0.10 | mg/kg | SW846 7471A | 12/20-12/21/00 | DRKF31AW |
| | | Dilution Factor: 1 | | Analysis Time..: 15:37 | Analyst ID.....: 021088 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0353168 | MDL.....: 0.020 | |
| Prep Batch #...: 0354418 | | | | | | |
| Aluminum | 23200 | 20.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AC |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031198 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 8.0 | |
| Arsenic | 4.0 | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AD |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Antimony | 0.36 B | 6.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AE |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.20 | |
| Barium | 141 | 2.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AF |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Cadmium | 0.51 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AG |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.050 | |
| Chromium | 25.8 | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AH |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Beryllium | 0.66 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AJ |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.050 | |
| Lead | 6.5 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AK |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-J-4-121500-2

TOTAL Metals

Lot-Sample #...: E0L160151-002 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AL |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AM |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Cobalt | 11.0 | 5.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AN |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Copper | 57.6 | 2.5 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AP |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Molybdenum | 1.5 B | 4.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AQ |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |
| Nickel | 18.3 | 4.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AR |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |
| Thallium | 0.60 B | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AT |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.50 | |
| Vanadium | 54.1 | 5.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AU |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Zinc | 83.3 | 2.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF31AV |
| | | Dilution Factor: 1 | | Analysis Time..: 17:50 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 1.0 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-J-4-121500-3

TOTAL Metals

Lot-Sample #...: E0L160151-003 Matrix.....: SOLID
Date Sampled...: 12/15/00 10:20 Date Received..: 12/15/00 17:50

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0353339 | | | | | | |
| Mercury | 0.073 B | 0.10 | mg/kg | SW846 7471A | 12/20-12/21/00 | DRKF61AW |
| | | Dilution Factor: 1 | | Analysis Time..: 15:39 | Analyst ID.....: 021088 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0353168 | MDL.....: 0.020 | |
| Prep Batch #...: 0354418 | | | | | | |
| Aluminum | 26100 | 20.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AC |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031198 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 8.0 | |
| Arsenic | 4.2 | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AD |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Antimony | 0.48 B | 6.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AE |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.20 | |
| Barium | 152 | 2.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AF |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Cadmium | 0.51 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AG |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.050 | |
| Chromium | 28.7 | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AH |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Beryllium | 0.69 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AJ |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.050 | |
| Lead | 4.8 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AK |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-J-4-121500-3

TOTAL Metals

Lot-Sample #...: E0L160151-003 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AL |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AM |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Cobalt | 9.9 | 5.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AN |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Copper | 28.3 | 2.5 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AP |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Molybdenum | 1.7 B | 4.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AQ |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |
| Nickel | 18.5 | 4.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AR |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |
| Thallium | 0.68 B | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AT |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.50 | |
| Vanadium | 61.8 | 5.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AU |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Zinc | 81.1 | 2.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF61AV |
| | | Dilution Factor: 1 | | Analysis Time..: 17:58 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 1.0 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-H-4-121500-1

TOTAL Metals

Lot-Sample #...: E0L160151-004 Matrix.....: SOLID
Date Sampled...: 12/15/00 13:30 Date Received..: 12/15/00 17:50

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0353339 | | | | | | |
| Mercury | 0.21 | 0.10 | mg/kg | SW846 7471A | 12/20-12/21/00 | DRKF71AW |
| | | Dilution Factor: 1 | | Analysis Time..: 15:40 | Analyst ID.....: 021088 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0353168 | MDL.....: 0.020 | |
| Prep Batch #...: 0354418 | | | | | | |
| Aluminum | 18800 | 20.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AC |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031198 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 8.0 | |
| Arsenic | 5.9 | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AD |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Antimony | 0.33 B | 6.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AE |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.20 | |
| Barium | 121 | 2.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AF |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Cadmium | 0.54 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AG |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.050 | |
| Chromium | 21.0 | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AH |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Beryllium | 0.54 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AJ |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.050 | |
| Lead | 12.0 | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AK |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build-1-H-4-121500-1

TOTAL Metals

Lot-Sample #...: E0L160151-004 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AL |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AM |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Cobalt | 8.9 | 5.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AN |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Copper | 82.1 | 2.5 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AP |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.40 | |
| Molybdenum | 1.3 B | 4.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AQ |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |
| Nickel | 14.7 | 4.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AR |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.30 | |
| Thallium | 0.56 B | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AT |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.50 | |
| Vanadium | 43.7 | 5.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AU |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 0.10 | |
| Zinc | 56.1 | 2.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRKF71AV |
| | | Dilution Factor: 1 | | Analysis Time..: 18:06 | Analyst ID.....: 0031195 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0354245 | MDL.....: 1.0 | |

NOTE(S):

B Estimated result. Result is less than RL.

# QC DATA ASSOCIATION SUMMARY

E0L160151

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 001 | SOLID | SW846 7471A | | 0353339 | 0353168 |
| | SOLID | SW846 8260B | | 0358179 | 0358061 |
| | SOLID | SW846 6010B | | 0354418 | 0354245 |
| 002 | SOLID | SW846 7471A | | 0353339 | 0353168 |
| | SOLID | SW846 8260B | | 0358182 | 0358064 |
| | SOLID | SW846 6010B | | 0354418 | 0354245 |
| 003 | SOLID | SW846 7471A | | 0353339 | 0353168 |
| | SOLID | SW846 8260B | | 0358182 | 0358064 |
| | SOLID | SW846 6010B | | 0354418 | 0354245 |
| 004 | SOLID | SW846 7471A | | 0353339 | 0353168 |
| | SOLID | SW846 8260B | | 0358182 | 0358064 |
| | SOLID | SW846 6010B | | 0354418 | 0354245 |

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0L160151
MB Lot-Sample #: E0L230000-179

Analysis Date..: 12/22/00
Dilution Factor: 1

Work Order #...: DR00Q1AA

Prep Date.....: 12/22/00
Prep Batch #...: 0358179

Analyst ID.....: 015590

Matrix.....: SOLID

Analysis Time..: 22:37
Instrument ID..: MSG

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 50 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |

(Continued on next page)

## METHOD BLANK REPORT

### GC/MS Volatiles

Client Lot #...: E0L160151 Work Order #...: DR00Q1AA Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 106 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 129 | (60 - 140) |
| Toluene-d8 | 102 | (70 - 130) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E0L160151
**MB Lot-Sample #:** E0L230000-182

**Work Order #...:** DR00V1AA

**Matrix.....:** SOLID

**Prep Date.....:** 12/23/00
**Prep Batch #...:** 0358182

**Analysis Time..:** 09:26
**Instrument ID..:** MSG

**Analysis Date..:** 12/23/00
**Dilution Factor:** 1

**Analyst ID.....:** 015590

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 50 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |

(Continued on next page)

## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E0L160151 **Work Order #...:** DR00V1AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 114 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 135 | (60 - 140) |
| Toluene-d8 | 108 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **MB Lot-Sample #:** E0L180000-339 **Prep Batch #...:** 0353339 | | | | | | |
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 12/20-12/21/00 | DRLF31AA |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 14:56 | | Analyst ID.....: 021088 | Instrument ID..: M04 | |
| **MB Lot-Sample #:** E0L190000-418 **Prep Batch #...:** 0354418 | | | | | | |
| Aluminum | ND | 20.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AA |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Arsenic | ND | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AC |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| **Antimony** | **0.29 B** | **6.0** | **mg/kg** | **SW846 6010B** | **12/19-12/20/00** | **DRPE11AD** |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Barium | ND | 2.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AE |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AF |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| **Chromium** | **0.11 B** | **1.0** | **mg/kg** | **SW846 6010B** | **12/19-12/20/00** | **DRPE11AG** |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Beryllium | ND | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AH |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Lead | ND | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AJ |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AK |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

(Continued on next page)

## METHOD BLANK REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AL |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cobalt | ND | 5.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AM |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Copper | ND | 2.5 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AN |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Molybdenum | ND | 4.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AP |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Nickel | ND | 4.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AQ |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Thallium | ND | 1.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AR |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Vanadium | ND | 5.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AT |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Zinc | ND | 2.0 | mg/kg | SW846 6010B | 12/19-12/20/00 | DRPE11AU |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:41 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E0L160151 Work Order #...: DR00Q1AC Matrix.....: SOLID
LCS Lot-Sample#: E0L230000-179
Prep Date.....: 12/22/00 Analysis Date..: 12/22/00
Prep Batch #...: 0358179 Analysis Time..: 22:05
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 015590

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 66.6 | ug/kg | 133 | SW846 8260B |
| Benzene | 50.0 | 55.4 | ug/kg | 111 | SW846 8260B |
| Trichloroethene | 50.0 | 58.1 | ug/kg | 116 | SW846 8260B |
| Toluene | 50.0 | 46.2 | ug/kg | 92 | SW846 8260B |
| Chlorobenzene | 50.0 | 48.1 | ug/kg | 96 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 127 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

Client Lot #...: E0L160151 Work Order #...: DR00V1AC Matrix.....: SOLID
LCS Lot-Sample#: E0L230000-182
Prep Date.....: 12/23/00 Analysis Date..: 12/23/00
Prep Batch #...: 0358182 Analysis Time..: 08:54
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 015590

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 66.5 | ug/kg | 133 | SW846 8260B |
| Benzene | 50.0 | 58.9 | ug/kg | 118 | SW846 8260B |
| Trichloroethene | 50.0 | 61.5 | ug/kg | 123 | SW846 8260B |
| Toluene | 50.0 | 48.4 | ug/kg | 97 | SW846 8260B |
| Chlorobenzene | 50.0 | 48.9 | ug/kg | 98 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 101 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 126 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| **LCS Lot-Sample#:** E0L180000-339 **Prep Batch #...:** 0353339 | | | | | | | |
| Mercury | 0.833 | 0.798 | mg/kg | 96 | SW846 7471A | 12/20-12/21/00 | DRLF31AC |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 14:57 | | Analyst ID.....: 021088 | Instrument ID..: M04 | |
| **LCS Lot-Sample#:** E0L190000-418 **Prep Batch #...:** 0354418 | | | | | | | |
| Aluminum | 200 | 190 | mg/kg | 95 | SW846 6010B | 12/19-12/20/00 | DRPE11AV |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Arsenic | 200 | 183 | mg/kg | 92 | SW846 6010B | 12/19-12/20/00 | DRPE11AW |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Antimony | 50.0 | 44.7 | mg/kg | 89 | SW846 6010B | 12/19-12/20/00 | DRPE11AX |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Barium | 200 | 203 | mg/kg | 101 | SW846 6010B | 12/19-12/20/00 | DRPE11A0 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cadmium | 5.00 | 5.08 | mg/kg | 102 | SW846 6010B | 12/19-12/20/00 | DRPE11A1 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Chromium | 20.0 | 20.7 | mg/kg | 103 | SW846 6010B | 12/19-12/20/00 | DRPE11A2 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Beryllium | 5.00 | 4.90 | mg/kg | 98 | SW846 6010B | 12/19-12/20/00 | DRPE11A3 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Lead | 50.0 | 49.5 | mg/kg | 99 | SW846 6010B | 12/19-12/20/00 | DRPE11A4 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Selenium | 200 | 181 | mg/kg | 91 | SW846 6010B | 12/19-12/20/00 | DRPE11A5 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

(Continued on next page)

## LABORATORY CONTROL SAMPLE DATA REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| Silver | 5.00 | 4.95 | mg/kg | 99 | SW846 6010B | 12/19-12/20/00 | DRPE11A6 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cobalt | 50.0 | 52.7 | mg/kg | 105 | SW846 6010B | 12/19-12/20/00 | DRPE11A7 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Copper | 25.0 | 25.6 | mg/kg | 102 | SW846 6010B | 12/19-12/20/00 | DRPE11A8 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Molybdenum | 100 | 96.1 | mg/kg | 96 | SW846 6010B | 12/19-12/20/00 | DRPE11A9 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Nickel | 50.0 | 52.2 | mg/kg | 104 | SW846 6010B | 12/19-12/20/00 | DRPE11CA |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Thallium | 200 | 198 | mg/kg | 99 | SW846 6010B | 12/19-12/20/00 | DRPE11CC |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Vanadium | 50.0 | 49.6 | mg/kg | 99 | SW846 6010B | 12/19-12/20/00 | DRPE11CD |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Zinc | 50.0 | 48.7 | mg/kg | 97 | SW846 6010B | 12/19-12/20/00 | DRPE11CE |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:47 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E0L160151 Work Order #...: DR00Q1AC Matrix.....: SOLID
LCS Lot-Sample#: E0L230000-179
Prep Date.....: 12/22/00 Analysis Date..: 12/22/00
Prep Batch #...: 0358179 Analysis Time..: 22:05
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 015590

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| 1,1-Dichloroethene | 133 | (60 - 150) | SW846 8260B |
| Benzene | 111 | (70 - 140) | SW846 8260B |
| Trichloroethene | 116 | (70 - 130) | SW846 8260B |
| Toluene | 92 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 96 | (70 - 130) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 127 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E0L160151 Work Order #...: DR00V1AC Matrix.....: SOLID
LCS Lot-Sample#: E0L230000-182
Prep Date.....: 12/23/00 Analysis Date..: 12/23/00
Prep Batch #...: 0358182 Analysis Time..: 08:54
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 015590

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| 1,1-Dichloroethene | 133 | (60 - 150) | SW846 8260B |
| Benzene | 118 | (70 - 140) | SW846 8260B |
| Trichloroethene | 123 | (70 - 130) | SW846 8260B |
| Toluene | 97 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 98 | (70 - 130) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 101 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 126 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|
| **LCS Lot-Sample#:** E0L180000-339 **Prep Batch #...:** 0353339 | | | | | |
| Mercury | 96 | (85 - 115) | SW846 7471A | 12/20-12/21/00 | DRLF31AC |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 14:57 | Analyst ID.....: 021088 | Instrument ID..: M04 | |
| **LCS Lot-Sample#:** E0L190000-418 **Prep Batch #...:** 0354418 | | | | | |
| Aluminum | 95 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11AV |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Arsenic | 92 | (75 - 115) | SW846 6010B | 12/19-12/20/00 | DRPE11AW |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Antimony | 89 | (75 - 115) | SW846 6010B | 12/19-12/20/00 | DRPE11AX |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Barium | 101 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11A0 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cadmium | 102 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11A1 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Chromium | 103 | (85 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11A2 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Beryllium | 98 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11A3 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Lead | 99 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11A4 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Selenium | 91 | (70 - 115) | SW846 6010B | 12/19-12/20/00 | DRPE11A5 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | Instrument ID..: M01 | |

(Continued on next page)

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|
| Silver | 99 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11A6 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Cobalt | 105 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11A7 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Copper | 102 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11A8 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Molybdenum | 96 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11A9 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Nickel | 104 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11CA |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Thallium | 99 | (75 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11CC |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Vanadium | 99 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11CD |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Zinc | 97 | (80 - 120) | SW846 6010B | 12/19-12/20/00 | DRPE11CE |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:47 | Analyst ID.....: 003119 | | Instrument ID..: M01 |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

# MATRIX SPIKE SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #...: E0L160151 Work Order #...: DRJV61A1-MS Matrix.....: SOLID
MS Lot-Sample #: E0L150339-031 DRJV61A2-MSD
Date Sampled...: 12/15/00 13:59 Date Received..: 12/15/00 17:15 MS Run #.....: 0358061
Prep Date.....: 12/22/00 Analysis Date..: 12/22/00
Prep Batch #...: 0358179 Analysis Time..: 23:43
Dilution Factor: 1 Analyst ID.....: 015590 Instrument ID..: MSG

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | 50.0 | 53.3 | ug/kg | 107 | | SW846 8260B |
| | ND | 50.0 | 55.0 | ug/kg | 110 | 3.1 | SW846 8260B |
| Benzene | ND | 50.0 | 49.6 | ug/kg | 99 | | SW846 8260B |
| | ND | 50.0 | 48.8 | ug/kg | 98 | 1.7 | SW846 8260B |
| Trichloroethene | ND | 50.0 | 49.9 | ug/kg | 100 | | SW846 8260B |
| | ND | 50.0 | 49.4 | ug/kg | 99 | 0.96 | SW846 8260B |
| Toluene | ND | 50.0 | 45.9 | ug/kg | 92 | | SW846 8260B |
| | ND | 50.0 | 45.7 | ug/kg | 91 | 0.54 | SW846 8260B |
| Chlorobenzene | ND | 50.0 | 46.6 | ug/kg | 93 | | SW846 8260B |
| | ND | 50.0 | 46.3 | ug/kg | 93 | 0.51 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| | 101 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 130 | (60 - 140) |
| | 113 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |
| | 102 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID
**Date Sampled...:** 12/15/00 08:30 **Date Received..:** 12/15/00 17:50

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|
| **MS Lot-Sample #:** E0L160148-001 **Prep Batch #...:** 0353339 | | | | | | | | | |
| Mercury | | | | | | | | | |
| | 0.032 | 0.167 | 0.190 | mg/kg | 95 | | SW846 7471A | 12/20-12/21/00 | DRKDF1A2 |
| | 0.032 | 0.167 | 0.197 | mg/kg | 99 | 3.4 | SW846 7471A | 12/20-12/21/00 | DRKDF1A3 |

Dilution Factor: 1
Analysis Time..: 15:01 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 0353168

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## MATRIX SPIKE SAMPLE DATA REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID
**Date Sampled...:** 12/15/00 10:00 **Date Received..:** 12/15/00 17:50

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|
| **MS Lot-Sample #:** E0L160151-001 **Prep Batch #...:** 0354418 | | | | | | | | | |
| Aluminum | | | | | | | | | |
| | 23600 | 200 | 26300 NC | mg/kg | | | SW846 6010B | 12/19-12/20/00 | DRKFX1AX |
| | 23600 | 200 | 24800 NC | mg/kg | | | SW846 6010B | 12/19-12/20/00 | DRKFX1A0 |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0354245 | | | | | | |
| Arsenic | | | | | | | | | |
| | 3.8 | 200 | 184 | mg/kg | 90 | | SW846 6010B | 12/19-12/20/00 | DRKFX1A1 |
| | 3.8 | 200 | 178 | mg/kg | 87 | 3.4 | SW846 6010B | 12/19-12/20/00 | DRKFX1A2 |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0354245 | | | | | | |
| Antimony | | | | | | | | | |
| | 0.48 | 50.0 | 18.5 N | mg/kg | 36 | | SW846 6010B | 12/19-12/20/00 | DRKFX1A3 |
| | 0.48 | 50.0 | 19.0 N | mg/kg | 37 | 2.6 | SW846 6010B | 12/19-12/20/00 | DRKFX1A4 |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0354245 | | | | | | |
| Barium | | | | | | | | | |
| | 141 | 200 | 339 | mg/kg | 99 | | SW846 6010B | 12/19-12/20/00 | DRKFX1A5 |
| | 141 | 200 | 343 | mg/kg | 101 | 1.2 | SW846 6010B | 12/19-12/20/00 | DRKFX1A6 |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0354245 | | | | | | |
| Cadmium | | | | | | | | | |
| | 0.40 | 5.00 | 5.26 | mg/kg | 97 | | SW846 6010B | 12/19-12/20/00 | DRKFX1A7 |
| | 0.40 | 5.00 | 5.07 | mg/kg | 93 | 3.6 | SW846 6010B | 12/19-12/20/00 | DRKFX1A8 |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0354245 | | | | | | |
| Chromium | | | | | | | | | |
| | 25.3 | 20.0 | 45.9 | mg/kg | 103 | | SW846 6010B | 12/19-12/20/00 | DRKFX1A9 |
| | 25.3 | 20.0 | 44.4 | mg/kg | 95 | 3.4 | SW846 6010B | 12/19-12/20/00 | DRKFX1CA |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0354245 | | | | | | |

(Continued on next page)

## MATRIX SPIKE SAMPLE DATA REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID
**Date Sampled...:** 12/15/00 10:00 **Date Received..:** 12/15/00 17:50

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|
| Beryllium | | | | | | | | | |
| | 0.63 | 5.00 | 5.61 | mg/kg | 100 | | SW846 6010B | 12/19-12/20/00 | DRKFX1CC |
| | 0.63 | 5.00 | 5.38 | mg/kg | 95 | 4.1 | SW846 6010B | 12/19-12/20/00 | DRKFX1CD |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0354245 | | | | | |
| Lead | | | | | | | | | |
| | 4.4 | 50.0 | 52.4 | mg/kg | 96 | | SW846 6010B | 12/19-12/20/00 | DRKFX1CE |
| | 4.4 | 50.0 | 50.3 | mg/kg | 92 | 4.2 | SW846 6010B | 12/19-12/20/00 | DRKFX1CF |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0354245 | | | | | |
| Selenium | | | | | | | | | |
| | ND | 200 | 181 | mg/kg | 90 | | SW846 6010B | 12/19-12/20/00 | DRKFX1CG |
| | ND | 200 | 174 | mg/kg | 87 | 4.1 | SW846 6010B | 12/19-12/20/00 | DRKFX1CH |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0354245 | | | | | |
| Silver | | | | | | | | | |
| | ND | 5.00 | 4.59 | mg/kg | 92 | | SW846 6010B | 12/19-12/20/00 | DRKFX1CJ |
| | ND | 5.00 | 4.40 | mg/kg | 88 | 4.4 | SW846 6010B | 12/19-12/20/00 | DRKFX1CK |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0354245 | | | | | |
| Cobalt | | | | | | | | | |
| | 9.3 | 50.0 | 60.4 | mg/kg | 102 | | SW846 6010B | 12/19-12/20/00 | DRKFX1CL |
| | 9.3 | 50.0 | 59.2 | mg/kg | 100 | 2.1 | SW846 6010B | 12/19-12/20/00 | DRKFX1CM |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 3119 | |
| | | | | MS Run #.....: 0354245 | | | | | |
| Copper | | | | | | | | | |
| | 34.7 | 25.0 | 63.1 | mg/kg | 114 | | SW846 6010B | 12/19-12/20/00 | DRKFX1CN |
| | 34.7 | 25.0 | 52.2 N | mg/kg | 70 | 19 | SW846 6010B | 12/19-12/20/00 | DRKFX1CP |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0354245 | | | | | |
| Molybdenum | | | | | | | | | |
| | 1.3 | 100 | 93.6 | mg/kg | 92 | | SW846 6010B | 12/19-12/20/00 | DRKFX1CQ |
| | 1.3 | 100 | 90.5 | mg/kg | 89 | 3.3 | SW846 6010B | 12/19-12/20/00 | DRKFX1CR |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0354245 | | | | | |

(Continued on next page)

## MATRIX SPIKE SAMPLE DATA REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID
**Date Sampled...:** 12/15/00 10:00 **Date Received..:** 12/15/00 17:50

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|
| Nickel | | | | | | | | | |
| | 16.0 | 50.0 | 65.7 | mg/kg | 99 | | SW846 6010B | 12/19-12/20/00 | DRKFX1CT |
| | 16.0 | 50.0 | 64.3 | mg/kg | 97 | 2.1 | SW846 6010B | 12/19-12/20/00 | DRKFX1CU |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0354245 | | | | | |
| Thallium | | | | | | | | | |
| | 0.85 | 200 | 195 | mg/kg | 97 | | SW846 6010B | 12/19-12/20/00 | DRKFX1CV |
| | 0.85 | 200 | 187 | mg/kg | 93 | 4.0 | SW846 6010B | 12/19-12/20/00 | DRKFX1CW |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0354245 | | | | | |
| Vanadium | | | | | | | | | |
| | 52.1 | 50.0 | 102 | mg/kg | 99 | | SW846 6010B | 12/19-12/20/00 | DRKFX1CX |
| | 52.1 | 50.0 | 101 | mg/kg | 99 | 0.27 | SW846 6010B | 12/19-12/20/00 | DRKFX1C0 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0354245 | | | | | |
| Zinc | | | | | | | | | |
| | 74.5 | 50.0 | 122 | mg/kg | 95 | | SW846 6010B | 12/19-12/20/00 | DRKFX1C1 |
| | 74.5 | 50.0 | 117 | mg/kg | 86 | 4.0 | SW846 6010B | 12/19-12/20/00 | DRKFX1C2 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 17:20 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0354245 | | | | | |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E0L160151 | Work Order #...: | DRKF31AX-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0L160151-002 | | DRKF31A0-MSD | | |
| Date Sampled...: | 12/15/00 10:10 | Date Received..: | 12/15/00 17:50 | MS Run #.....: | 0358064 |
| Prep Date.....: | 12/23/00 | Analysis Date..: | 12/23/00 | | |
| Prep Batch #...: | 0358182 | Analysis Time..: | 11:37 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 015590 | Instrument ID..: | MSG |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | 50.0 | 58.8 | ug/kg | 118 | | SW846 8260B |
| | ND | 50.0 | 58.6 | ug/kg | 117 | 0.25 | SW846 8260B |
| Benzene | ND | 50.0 | 53.4 | ug/kg | 107 | | SW846 8260B |
| | ND | 50.0 | 53.0 | ug/kg | 106 | 0.75 | SW846 8260B |
| Trichloroethene | 6.2 | 50.0 | 56.6 | ug/kg | 101 | | SW846 8260B |
| | 6.2 | 50.0 | 56.8 | ug/kg | 101 | 0.38 | SW846 8260B |
| Toluene | ND | 50.0 | 47.0 | ug/kg | 94 | | SW846 8260B |
| | ND | 50.0 | 48.9 | ug/kg | 98 | 3.9 | SW846 8260B |
| Chlorobenzene | ND | 50.0 | 48.0 | ug/kg | 96 | | SW846 8260B |
| | ND | 50.0 | 49.4 | ug/kg | 99 | 2.8 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 101 | (70 - 130) |
| | 110 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 131 | (60 - 140) |
| | 131 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |
| | 100 | (70 - 130) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E0L160151 | Work Order #...: | DRJV61A1-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0L150339-031 | | DRJV61A2-MSD | | |
| Date Sampled...: | 12/15/00 13:59 | Date Received..: | 12/15/00 17:15 | MS Run #.....: | 0358061 |
| Prep Date.....: | 12/22/00 | Analysis Date..: | 12/22/00 | | |
| Prep Batch #...: | 0358179 | Analysis Time..: | 23:43 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 015590 | Instrument ID..: | MSG |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 107 | (60 - 150) | | | SW846 8260B |
| | 110 | (60 - 150) | 3.1 | (0-30) | SW846 8260B |
| Benzene | 99 | (70 - 140) | | | SW846 8260B |
| | 98 | (70 - 140) | 1.7 | (0-30) | SW846 8260B |
| Trichloroethene | 100 | (70 - 130) | | | SW846 8260B |
| | 99 | (70 - 130) | 0.96 | (0-30) | SW846 8260B |
| Toluene | 92 | (70 - 130) | | | SW846 8260B |
| | 91 | (70 - 130) | 0.54 | (0-30) | SW846 8260B |
| Chlorobenzene | 93 | (70 - 130) | | | SW846 8260B |
| | 93 | (70 - 130) | 0.51 | (0-30) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| | 101 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 130 | (60 - 140) |
| | 113 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |
| | 102 | (70 - 130) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID
**Date Sampled...:** 12/15/00 08:30 **Date Received..:** 12/15/00 17:50

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| **MS Lot-Sample #:** E0L160148-001 **Prep Batch #...:** 0353339 | | | | | | | |
| Mercury | 95 | (80 - 120) | | | SW846 7471A | 12/20-12/21/00 | DRKDF1A2 |
| | 99 | (80 - 120) | 3.4 | (0-20) | SW846 7471A | 12/20-12/21/00 | DRKDF1A3 |

Dilution Factor: 1
Analysis Time..: 15:01 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 0353168

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID
**Date Sampled...:** 12/15/00 10:00 **Date Received..:** 12/15/00 17:50

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| **MS Lot-Sample #:** E0L160151-001 **Prep Batch #...:** 0354418 | | | | | | | |
| Aluminum | NC | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1AX |
| | NC | (80 - 120) | | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1A0 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Arsenic | 90 | (75 - 115) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1A1 |
| | 87 | (75 - 115) | 3.4 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1A2 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Antimony | 36 N | (75 - 115) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1A3 |
| | 37 N | (75 - 115) | 2.6 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1A4 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Barium | 99 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1A5 |
| | 101 | (80 - 120) | 1.2 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1A6 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Cadmium | 97 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1A7 |
| | 93 | (80 - 120) | 3.6 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1A8 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Chromium | 103 | (85 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1A9 |
| | 95 | (85 - 120) | 3.4 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1CA |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Beryllium | 100 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1CC |
| | 95 | (80 - 120) | 4.1 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1CD |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |

(Continued on next page)

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID
**Date Sampled...:** 12/15/00 10:00 **Date Received..:** 12/15/00 17:50

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| Lead | 96 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1CE |
| | 92 | (80 - 120) | 4.2 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1CF |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Selenium | 90 | (70 - 115) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1CG |
| | 87 | (70 - 115) | 4.1 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1CH |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Silver | 92 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1CJ |
| | 88 | (80 - 120) | 4.4 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1CK |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Cobalt | 102 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1CL |
| | 100 | (80 - 120) | 2.1 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1CM |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 3119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Copper | 114 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1CN |
| | 70 N | (80 - 120) | 19 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1CP |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Molybdenum | 92 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1CQ |
| | 89 | (80 - 120) | 3.3 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1CR |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Nickel | 99 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1CT |
| | 97 | (80 - 120) | 2.1 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1CU |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Thallium | 97 | (75 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1CV |
| | 93 | (75 - 120) | 4.0 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1CW |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |

(Continued on next page)

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### TOTAL Metals

**Client Lot #...:** E0L160151 **Matrix.....:** SOLID
**Date Sampled...:** 12/15/00 10:00 **Date Received..:** 12/15/00 17:50

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| Vanadium | 99 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1CX |
| | 99 | (80 - 120) | 0.27 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1C0 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |
| Zinc | 95 | (80 - 120) | | | SW846 6010B | 12/19-12/20/00 | DRKFX1C1 |
| | 86 | (80 - 120) | 4.0 | (0-25) | SW846 6010B | 12/19-12/20/00 | DRKFX1C2 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 17:20 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0354245 | | | | | |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E0L160151 Work Order #...: DRKF31AX-MS Matrix.....: SOLID
MS Lot-Sample #: E0L160151-002 DRKF31A0-MSD
Date Sampled...: 12/15/00 10:10 Date Received..: 12/15/00 17:50 MS Run #.....: 0358064
Prep Date.....: 12/23/00 Analysis Date..: 12/23/00
Prep Batch #...: 0358182 Analysis Time..: 11:37
Dilution Factor: 1 Analyst ID.....: 015590 Instrument ID..: MSG

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 118 | (60 - 150) | | | SW846 8260B |
| | 117 | (60 - 150) | 0.25 | (0-30) | SW846 8260B |
| Benzene | 107 | (70 - 140) | | | SW846 8260B |
| | 106 | (70 - 140) | 0.75 | (0-30) | SW846 8260B |
| Trichloroethene | 101 | (70 - 130) | | | SW846 8260B |
| | 101 | (70 - 130) | 0.38 | (0-30) | SW846 8260B |
| Toluene | 94 | (70 - 130) | | | SW846 8260B |
| | 98 | (70 - 130) | 3.9 | (0-30) | SW846 8260B |
| Chlorobenzene | 96 | (70 - 130) | | | SW846 8260B |
| | 99 | (70 - 130) | 2.8 | (0-30) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 101 | (70 - 130) |
| | 110 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 131 | (60 - 140) |
| | 131 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |
| | 100 | (70 - 130) |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters