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

February 23, 2001

STL LOT NUMBER: **E1B160290**
PO/CONTRACT: 05160-SEV002-00-S56

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

Dear Mr. Purcell,

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on February 16, 2001. This sample is associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures meet method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading beyond 2 to 6 degrees Celsius is considered not within acceptable criteria unless otherwise noted such as limited transit time from field and test requested. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the test results provided in this report meet all the requirements of NELAC. 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

STL Committed To Your Success

SEVERN TRENT LABORATORIES

No. 203083

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Kennedy / Jenks	PROJECT NAME/NUMBER:
SEND REPORT TO: Jay Knight	**BILLING INFORMATION**
ADDRESS: 2151 Michelson Dr. Suite 100	BILL TO:
Irvine CA. 92612	ADDRESS:
PHONE: 949-261-1577	PHONE:
FAX: 949-261-2134	FAX: PO NO.:

LAB JOB NO.

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS / METHOD REQUEST: 8260B / VOCs	8015CC / TPH	6000/7000 series metals	~~PAH's~~					REMARKS/PRECAUTIONS
	Build-2-AK-17-021501-1	2-15-01	1330	Soil	2x6 Brass	None	1	X	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: Susan Penney	2-16-01	SIGNATURE: [signature]	2-16-01	SIGNATURE:	
PRINTED NAME/COMPANY: SUSAN PENNEY / KENNEDY / JENKS	TIME 1:38 PM	PRINTED NAME/COMPANY: SRL	TIME 1:40	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	**2. RECEIVED BY:**	DATE	**3. RECEIVED BY:**	DATE
SIGNATURE: [signature]	2-16-01	SIGNATURE: ADOLFO	2/16	SIGNATURE:	
PRINTED NAME/COMPANY: SRL	TIME 1:38	PRINTED NAME/COMPANY: STL	TIME 14:00	PRINTED NAME/COMPANY:	TIME

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

000002

SEVERN TRENT LABORATORIES
1721 South Grand Avenue
Santa Ana, CA 92705
Phone: (714) 258-8610 / Fax: (714) 258-0921

BOE-C6-0162290

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: 2/16/01

Quantims Lot #: EIB160290
Client Name: KENNEDY JENKS
Received by: AV
Delivered by : ☐Client ☐Airborne ☐Fed Ex ☐DHL ☐Ultra-Ex ☐Rey B. ☐UPS ☐DES ☒Other MIKE H.

Quote #:
Project: Boeing C-6
Date/Time Received: 2/16 14:00

	Initial / Date
Custody Seal Status: ☐Intact ☐Broken ☒None	AV 2/16
Custody Seal #(s): ☐No Seal #	
Sample Container(s): ☐STL-LA ☒Client ☐N/A	
Temperature(s) (COOLER/BLANK) in °C: 18°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 2/16
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										PH
VOAh /*											N/A
Brass Sleeve	1										—

h:HCl na:Sodium Hydroxide zna: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: MS 02/16/01 REVIEWED BY/DATE:

PRC Ver. 5 [illegible]

000003

EXECUTIVE SUMMARY - Detection Highlights

E1B160290

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Build_2_AK_17_021501_1 02/15/01 13:30 001				
C8-C9	130 J	200	mg/kg	SW846 8015B
C10-C11	1100	200	mg/kg	SW846 8015B
C12-C13	2500	200	mg/kg	SW846 8015B
C14-C15	3500	200	mg/kg	SW846 8015B
C16-C17	3400	200	mg/kg	SW846 8015B
C18-C19	2300	200	mg/kg	SW846 8015B
C20-C23	890	200	mg/kg	SW846 8015B
C24-C27	190 J	200	mg/kg	SW846 8015B
Total Carbon Chain Range	14000	200	mg/kg	SW846 8015B
C6-C8	15	10	mg/kg	SW846 8015B
Mercury	0.033 B	0.10	mg/kg	SW846 7471A
Aluminum	20600	20.0	mg/kg	SW846 6010B
Arsenic	4.1	1.0	mg/kg	SW846 6010B
Barium	167	2.0	mg/kg	SW846 6010B
Cadmium	0.62	0.50	mg/kg	SW846 6010B
Chromium	23.6	1.0	mg/kg	SW846 6010B
Beryllium	0.63	0.50	mg/kg	SW846 6010B
Lead	28.5	0.50	mg/kg	SW846 6010B
Cobalt	9.6	5.0	mg/kg	SW846 6010B
Copper	37.4	2.5	mg/kg	SW846 6010B
Molybdenum	0.35 B	4.0	mg/kg	SW846 6010B
Nickel	17.6	4.0	mg/kg	SW846 6010B
Vanadium	48.1	5.0	mg/kg	SW846 6010B
Zinc	89.1	2.0	mg/kg	SW846 6010B
Toluene	95 J	250	ug/kg	SW846 8260B
Ethylbenzene	420	250	ug/kg	SW846 8260B
Xylenes (total)	2400	250	ug/kg	SW846 8260B
Isopropylbenzene	230 J	250	ug/kg	SW846 8260B
p-Isopropyltoluene	1300	250	ug/kg	SW846 8260B
n-Propylbenzene	590	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	1700	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	3300	250	ug/kg	SW846 8260B
sec-Butylbenzene	820	250	ug/kg	SW846 8260B
n-Butylbenzene	1800	250	ug/kg	SW846 8260B

METHODS SUMMARY

E1B160290

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
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
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846

References:

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

SAMPLE SUMMARY

E1B160290

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
DV9GW	001	Build_2_AK_17_021501_1	02/15/01	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_2_AK_17_021501_1

GC Semivolatiles

Lot-Sample #...:	E1B160290-001	Work Order #...:	DV9GW1AC	Matrix.....:	SOLID
Date Sampled...:	02/15/01 13:30	Date Received..:	02/16/01 14:00	MS Run #.....:	1051201
Prep Date.....:	02/19/01	Analysis Date..:	02/21/01		
Prep Batch #...:	1051384	Analysis Time..:	12:36		
Dilution Factor:	20				
Analyst ID.....:	356074	Instrument ID..:	G01		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	**130 J**	**200**	**mg/kg**	**100**
C10-C11	**1100**	**200**	**mg/kg**	**100**
C12-C13	**2500**	**200**	**mg/kg**	**100**
C14-C15	**3500**	**200**	**mg/kg**	**100**
C16-C17	**3400**	**200**	**mg/kg**	**100**
C18-C19	**2300**	**200**	**mg/kg**	**100**
C20-C23	**890**	**200**	**mg/kg**	**100**
C24-C27	**190 J**	**200**	**mg/kg**	**100**
C28-C31	ND	200	mg/kg	100
C32-C35	ND	200	mg/kg	100
C36-C39	ND	200	mg/kg	100
C40+	ND	200	mg/kg	100
Total Carbon Chain Range	**14000**	**200**	**mg/kg**	**100**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	103	(60 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

000007

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_17_021501_1

GC Volatiles

Lot-Sample #...:	E1B160290-001	Work Order #...:	DV9GW1AD	Matrix.....:	SOLID
Date Sampled...:	02/15/01 13:30	Date Received..:	02/16/01 14:00	MS Run #.....:	
Prep Date.....:	02/19/01	Analysis Date..:	02/19/01		
Prep Batch #...:	1050559	Analysis Time..:	12:51		
Dilution Factor:	1				
Analyst ID.....:	001464	Instrument ID..:	G13		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	15	10	mg/kg	6.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	84	(60 - 130)

NOTE(S):

Unknown hydrocarbon pattern.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_17_021501_1

GC/MS Volatiles

Lot-Sample #...:	E1B160290-001	Work Order #...:	DV9GW1AA	Matrix.....:	SOLID
Date Sampled...:	02/15/01 13:30	Date Received..:	02/16/01 14:00	MS Run #.....:	1052192
Prep Date.....:	02/19/01	Analysis Date..:	02/20/01		
Prep Batch #...:	1052466	Analysis Time..:	15:19		
Dilution Factor:	1				
Analyst ID.....:	999998	Instrument ID..:	MSG		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	500	ug/kg	170
Chloromethane	ND	500	ug/kg	200
Vinyl chloride	ND	500	ug/kg	150
Bromomethane	ND	500	ug/kg	250
Chloroethane	ND	500	ug/kg	250
Trichlorofluoromethane	ND	500	ug/kg	70
Acrolein	ND	5000	ug/kg	2000
1,1-Dichloroethene	ND	250	ug/kg	120
Iodomethane	ND	500	ug/kg	250
Acetone	ND	1200	ug/kg	400
Carbon disulfide	ND	250	ug/kg	100
Methylene chloride	ND	250	ug/kg	50
trans-1,2-Dichloroethene	ND	250	ug/kg	120
Acrylonitrile	ND	2500	ug/kg	2000
Methyl tert-butyl ether	ND	250	ug/kg	100
1,1-Dichloroethane	ND	250	ug/kg	100
Vinyl acetate	ND	500	ug/kg	250
2,2-Dichloropropane	ND	250	ug/kg	60
cis-1,2-Dichloroethene	ND	250	ug/kg	100
2-Butanone	ND	1200	ug/kg	500
Bromochloromethane	ND	250	ug/kg	75
Chloroform	ND	250	ug/kg	70
Tetrahydrofuran	ND	1000	ug/kg	500
1,1,1-Trichloroethane	ND	250	ug/kg	70
1,1-Dichloropropene	ND	250	ug/kg	100
Carbon tetrachloride	ND	250	ug/kg	60
Benzene	ND	250	ug/kg	100
1,2-Dichloroethane	ND	250	ug/kg	70
Trichloroethene	ND	250	ug/kg	60
1,2-Dichloropropane	ND	250	ug/kg	100
Bromodichloromethane	ND	250	ug/kg	100
2-Chloroethyl vinyl ether	ND	500	ug/kg	250
cis-1,3-Dichloropropene	ND	250	ug/kg	100
4-Methyl-2-pentanone	ND	1200	ug/kg	400
Toluene	**95 J**	**250**	**ug/kg**	**60**
trans-1,3-Dichloropropene	ND	250	ug/kg	70
1,1,2-Trichloroethane	ND	250	ug/kg	100

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_17_021501_1

GC/MS Volatiles

Lot-Sample #...: E1B160290-001 **Work Order #...:** DV9GW1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	250	ug/kg	80
2-Hexanone	ND	1200	ug/kg	300
Dibromochloromethane	ND	250	ug/kg	100
1,2-Dibromoethane	ND	250	ug/kg	70
Chlorobenzene	ND	250	ug/kg	100
Ethylbenzene	**420**	**250**	**ug/kg**	**70**
Xylenes (total)	**2400**	**250**	**ug/kg**	**170**
Styrene	ND	500	ug/kg	100
Bromoform	ND	250	ug/kg	100
Isopropylbenzene	**230 J**	**250**	**ug/kg**	**120**
p-Isopropyltoluene	**1300**	**250**	**ug/kg**	**70**
Bromobenzene	ND	250	ug/kg	70
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	50
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	100
1,2,3-Trichloropropane	ND	250	ug/kg	110
n-Propylbenzene	**590**	**250**	**ug/kg**	**110**
2-Chlorotoluene	ND	250	ug/kg	70
4-Chlorotoluene	ND	250	ug/kg	70
1,3,5-Trimethylbenzene	**1700**	**250**	**ug/kg**	**120**
tert-Butylbenzene	ND	250	ug/kg	70
1,2,4-Trimethylbenzene	**3300**	**250**	**ug/kg**	**70**
sec-Butylbenzene	**820**	**250**	**ug/kg**	**70**
1,3-Dichlorobenzene	ND	250	ug/kg	70
1,4-Dichlorobenzene	ND	250	ug/kg	100
1,2-Dichlorobenzene	ND	250	ug/kg	100
n-Butylbenzene	**1800**	**250**	**ug/kg**	**70**
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	150
1,2,4-Trichloro-benzene	ND	250	ug/kg	70
Hexachlorobutadiene	ND	250	ug/kg	70
1,2,3-Trichlorobenzene	ND	250	ug/kg	70

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	73	(60 - 140)
1,2-Dichloroethane-d4	79	(60 - 140)
Toluene-d8	83	(60 - 140)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_17_021501_1

TOTAL Metals

Lot-Sample #...: E1B160290-001 Matrix.....: SOLID
Date Sampled...: 02/15/01 13:30 Date Received..: 02/16/01 14:00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1048120						
Aluminum	20600	20.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AE
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 003119	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 8.0	
Arsenic	4.1	1.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AF
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AG
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.20	
Barium	167	2.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AH
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.10	
Cadmium	0.62	0.50	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AJ
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.050	
Chromium	23.6	1.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AK
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.10	
Beryllium	0.63	0.50	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AL
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.050	
Lead	28.5	0.50	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AM
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AN
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.40	

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_17_021501_1

TOTAL Metals

Lot-Sample #...: E1B160290-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	1.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AP
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.10	
Cobalt	9.6	5.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AQ
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.10	
Copper	37.4	2.5	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AR
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.40	
Molybdenum	0.35 B	4.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AT
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.30	
Nickel	17.6	4.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AU
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AV
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.50	
Vanadium	48.1	5.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AW
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 0.10	
Zinc	89.1	2.0	mg/kg	SW846 6010B	02/17-02/19/01	DV9GW1AX
		Dilution Factor: 1		Analysis Time..: 19:23	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1048023	MDL.....: 1.0	
Prep Batch #...: 1048126						
Mercury	0.033 B	0.10	mg/kg	SW846 7471A	02/21-02/22/01	DV9GW1A0
		Dilution Factor: 1		Analysis Time..: 10:32	Analyst ID.....: 0210883	
		Instrument ID..: M04		MS Run #.....: 1048024	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E1B160290

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		1051384	1051201
	SOLID	SW846 8015B		1050559	
	SOLID	SW846 7471A		1048126	1048024
	SOLID	SW846 8260B		1052466	1052192
	SOLID	SW846 6010B		1048120	1048023

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1B160290
MB Lot-Sample #: E1B190000-559

Work Order #...: DWCKN1AA

Matrix.....: SOLID

Prep Date.....: 02/19/01
Prep Batch #...: 1050559

Analysis Time..: 12:23
Instrument ID..: G13

Analysis Date..: 02/19/01
Dilution Factor: 1

Analyst ID.....: 001464

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C6-C8	ND	10	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	75	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1B160290
MB Lot-Sample #: E1B200000-384

Work Order #...: DWD0F1AA

Matrix.....: SOLID

Prep Date.....: 02/19/01
Prep Batch #...: 1051384

Analysis Time..: 14:38
Instrument ID..: G01

Analysis Date..: 02/20/01
Dilution Factor: 1

Analyst ID.....: 356074

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C8-C9	ND	10	mg/kg	SW846 8015B
C10-C11	ND	10	mg/kg	SW846 8015B
C12-C13	ND	10	mg/kg	SW846 8015B
C14-C15	ND	10	mg/kg	SW846 8015B
C16-C17	ND	10	mg/kg	SW846 8015B
C18-C19	ND	10	mg/kg	SW846 8015B
C20-C23	ND	10	mg/kg	SW846 8015B
C24-C27	ND	10	mg/kg	SW846 8015B
C28-C31	ND	10	mg/kg	SW846 8015B
C32-C35	ND	10	mg/kg	SW846 8015B
C36-C39	ND	10	mg/kg	SW846 8015B
C40+	ND	10	mg/kg	SW846 8015B
Total Carbon Chain Range	ND	10	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	88	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1B160290
MB Lot-Sample #: E1B210000-466

Work Order #...: DWFQ01AA

Matrix.....: SOLID

Prep Date.....: 02/19/01
Prep Batch #...: 1052466

Analysis Time..: 14:44
Instrument ID..: MSG

Analysis Date..: 02/20/01
Dilution Factor: 1

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
Vinyl chloride	ND	500	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B
Acrolein	ND	5000	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
Iodomethane	ND	500	ug/kg	SW846 8260B
Acetone	**810 J**	**1200**	**ug/kg**	**SW846 8260B**
Carbon disulfide	ND	250	ug/kg	SW846 8260B
Methylene chloride	ND	250	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
Acrylonitrile	ND	2500	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
Vinyl acetate	ND	500	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
2-Butanone	ND	1200	ug/kg	SW846 8260B
Bromochloromethane	ND	250	ug/kg	SW846 8260B
Chloroform	ND	250	ug/kg	SW846 8260B
Tetrahydrofuran	ND	1000	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	250	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Benzene	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
Trichloroethene	ND	250	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	500	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	1200	ug/kg	SW846 8260B
Toluene	ND	250	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
Tetrachloroethene	ND	250	ug/kg	SW846 8260B
2-Hexanone	ND	1200	ug/kg	SW846 8260B
Dibromochloromethane	ND	250	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1B160290 Work Order #...: DWFQ01AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dibromoethane	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B
Styrene	ND	500	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Isopropylbenzene	ND	250	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	250	ug/kg	SW846 8260B
Bromobenzene	ND	250	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846 8260B
n-Propylbenzene	ND	250	ug/kg	SW846 8260B
2-Chlorotoluene	ND	250	ug/kg	SW846 8260B
4-Chlorotoluene	ND	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
tert-Butylbenzene	ND	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
sec-Butylbenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
n-Butylbenzene	ND	250	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	250	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	250	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(60 - 140)
1,2-Dichloroethane-d4	90	(60 - 140)
Toluene-d8	92	(60 - 140)

NOTE(S):

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

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1B160290 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E1B170000-120 **Prep Batch #...:** 1048120						
Aluminum	ND	20.0	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AA
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AC
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AD
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AE
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AF
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	**0.12 B**	**1.0**	**mg/kg**	**SW846 6010B**	**02/17-02/19/01**	**DV97D1AG**
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AH
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	ND	0.50	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AJ
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AK
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AL
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AM
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1B160290 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	2.5	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AN
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	**0.40 B**	**4.0**	**mg/kg**	**SW846 6010B**	**02/17-02/19/01**	**DV97D1AP**
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	ND	4.0	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AQ
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AR
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AT
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	02/17-02/19/01	DV97D1AU
		Dilution Factor: 1				
		Analysis Time..: 19:07		Analyst ID.....: 003119	Instrument ID..: M01	

MB Lot-Sample #: E1B170000-126 **Prep Batch #...:** 1048126

Mercury	ND	0.10	mg/kg	SW846 7471A	02/21-02/22/01	DV97H1AA
		Dilution Factor: 1				
		Analysis Time..: 10:28		Analyst ID.....: 021088	Instrument ID..: M04	

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 Volatiles

Client Lot #...: E1B160290
LCS Lot-Sample#: E1B190000-559
Prep Date.....: 02/19/01
Prep Batch #...: 1050559
Dilution Factor: 1
Analyst ID.....: 001464

Work Order #...: DWCKN1AC-LCS
DWCKN1AD-LCSD
Analysis Date..: 02/19/01
Analysis Time..: 11:26
Instrument ID..: G13

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	50.0	53.8	mg/kg	108		SW846 8015B
	50.0	50.1	mg/kg	100	7.1	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	98	(60 - 130)
	92	(60 - 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 Volatiles

Client Lot #...: E1B160290
LCS Lot-Sample#: E1B190000-559
Prep Date.....: 02/19/01
Prep Batch #...: 1050559
Dilution Factor: 1
Analyst ID.....: 001464

Work Order #...: DWCKN1AC-LCS
DWCKN1AD-LCSD
Analysis Date..: 02/19/01
Analysis Time..: 11:26
Instrument ID..: G13

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	108	(80 - 140)			SW846 8015B
	100	(80 - 140)	7.1	(0-40)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	98	(60 - 130)
	92	(60 - 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 Semivolatiles

Client Lot #...: E1B160290
LCS Lot-Sample#: E1B200000-384
Prep Date.....: 02/19/01
Prep Batch #...: 1051384
Dilution Factor: 1
Analyst ID.....: 356074

Work Order #...: DWD0F1AC
Analysis Date..: 02/20/01
Analysis Time..: 15:08
Instrument ID..: G01

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	250	184	mg/kg	74	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	75	(60 - 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 #...: E1B160290
LCS Lot-Sample#: E1B210000-466
Prep Date.....: 02/19/01
Prep Batch #...: 1052466
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: DWFQ01AC
Analysis Date..: 02/20/01
Analysis Time..: 13:33
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	2500	2580	ug/kg	103	SW846 8260B
Benzene	2500	2470	ug/kg	99	SW846 8260B
Trichloroethene	2500	2920	ug/kg	117	SW846 8260B
Toluene	2500	2370	ug/kg	95	SW846 8260B
Chlorobenzene	2500	2330	ug/kg	93	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 140)
1,2-Dichloroethane-d4	80	(60 - 140)
Toluene-d8	100	(60 - 140)

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 #...: E1B160290 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1B170000-120 **Prep Batch #...:** 1048120							
Aluminum	200	192	mg/kg	96	SW846 6010B	02/17-02/19/01	DV97D1AV
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	200	196	mg/kg	98	SW846 6010B	02/17-02/19/01	DV97D1AW
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	50.0	50.5	mg/kg	101	SW846 6010B	02/17-02/19/01	DV97D1AX
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	200	207	mg/kg	104	SW846 6010B	02/17-02/19/01	DV97D1A0
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	5.00	5.28	mg/kg	106	SW846 6010B	02/17-02/19/01	DV97D1A1
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	20.0	21.5	mg/kg	108	SW846 6010B	02/17-02/19/01	DV97D1A2
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	5.00	5.43	mg/kg	109	SW846 6010B	02/17-02/19/01	DV97D1A3
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	50.0	50.2	mg/kg	100	SW846 6010B	02/17-02/19/01	DV97D1A4
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	200	191	mg/kg	95	SW846 6010B	02/17-02/19/01	DV97D1A5
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	5.00	5.09	mg/kg	102	SW846 6010B	02/17-02/19/01	DV97D1A6
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1B160290 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	50.0	53.3	mg/kg	107	SW846 6010B	02/17-02/19/01	DV97D1A7
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	25.0	25.7	mg/kg	103	SW846 6010B	02/17-02/19/01	DV97D1A8
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	100	102	mg/kg	102	SW846 6010B	02/17-02/19/01	DV97D1A9
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	50.0	52.4	mg/kg	105	SW846 6010B	02/17-02/19/01	DV97D1CA
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	200	206	mg/kg	103	SW846 6010B	02/17-02/19/01	DV97D1CC
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	50.0	52.3	mg/kg	105	SW846 6010B	02/17-02/19/01	DV97D1CD
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	50.0	51.6	mg/kg	103	SW846 6010B	02/17-02/19/01	DV97D1CE
			Dilution Factor: 1				
			Analysis Time..: 19:15		Analyst ID.....: 003119	Instrument ID..: M01	

LCS Lot-Sample#: E1B170000-126 **Prep Batch #...:** 1048126

Mercury	0.833	0.823	mg/kg	99	SW846 7471A	02/21-02/22/01	DV97H1AC
			Dilution Factor: 1				
			Analysis Time..: 10:30		Analyst ID.....: 021088	Instrument ID..: M04	

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E1B160290
LCS Lot-Sample#: E1B200000-384
Prep Date.....: 02/19/01
Prep Batch #...: 1051384
Dilution Factor: 1
Analyst ID.....: 356074

Work Order #...: DWD0F1AC
Analysis Date..: 02/20/01
Analysis Time..: 15:08
Instrument ID..: G01

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	74	(60 - 130)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	75	(60 - 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 #...: E1B160290
LCS Lot-Sample#: E1B210000-466
Prep Date.....: 02/19/01
Prep Batch #...: 1052466
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: DWFQ01AC
Analysis Date..: 02/20/01
Analysis Time..: 13:33
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	103	(60 - 140)	SW846 8260B
Benzene	99	(60 - 130)	SW846 8260B
Trichloroethene	117	(60 - 140)	SW846 8260B
Toluene	95	(60 - 130)	SW846 8260B
Chlorobenzene	93	(60 - 130)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 140)
1,2-Dichloroethane-d4	80	(60 - 140)
Toluene-d8	100	(60 - 140)

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 #...: E1B160290 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1B170000-120 **Prep Batch #...:** 1048120					
Aluminum	96	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1AV
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	98	(75 - 115)	SW846 6010B	02/17-02/19/01	DV97D1AW
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	101	(75 - 115)	SW846 6010B	02/17-02/19/01	DV97D1AX
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Barium	104	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1A0
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	106	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1A1
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	108	(85 - 120)	SW846 6010B	02/17-02/19/01	DV97D1A2
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	109	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1A3
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Lead	100	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1A4
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	95	(70 - 115)	SW846 6010B	02/17-02/19/01	DV97D1A5
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Silver	102	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1A6
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1B160290 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	107	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1A7
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Copper	103	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1A8
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	102	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1A9
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	105	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1CA
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	103	(75 - 120)	SW846 6010B	02/17-02/19/01	DV97D1CC
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	105	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1CD
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	103	(80 - 120)	SW846 6010B	02/17-02/19/01	DV97D1CE
		Dilution Factor: 1			
		Analysis Time..: 19:15	Analyst ID.....: 003119	Instrument ID..: M01	

LCS Lot-Sample#: E1B170000-126 **Prep Batch #...:** 1048126

Mercury	99	(85 - 115)	SW846 7471A	02/21-02/22/01	DV97H1AC
		Dilution Factor: 1			
		Analysis Time..: 10:30	Analyst ID.....: 021088	Instrument ID..: M04	

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1B160290 **Matrix.....:** SOLID
Date Sampled...: 02/15/01 13:30 **Date Received..:** 02/16/01 14:00

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT		UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1B160290-001 **Prep Batch #...:** 1048120										
Aluminum										
	20600	200	22500	NC	mg/kg			SW846 6010B	02/17-02/19/01	DV9GW1A1
	20600	200	18900	NC	mg/kg			SW846 6010B	02/17-02/19/01	DV9GW1A2
			Dilution Factor: 1							
			Analysis Time..: 19:37			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023							
Arsenic										
	4.1	200	188		mg/kg	92		SW846 6010B	02/17-02/19/01	DV9GW1A3
	4.1	200	189		mg/kg	92	0.51	SW846 6010B	02/17-02/19/01	DV9GW1A4
			Dilution Factor: 1							
			Analysis Time..: 19:37			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023							
Antimony										
	ND	50.0	14.9	N	mg/kg	30		SW846 6010B	02/17-02/19/01	DV9GW1A5
	ND	50.0	11.5	N,*	mg/kg	23	26	SW846 6010B	02/17-02/19/01	DV9GW1A6
			Dilution Factor: 1							
			Analysis Time..: 19:37			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023							
Barium										
	167	200	348		mg/kg	91		SW846 6010B	02/17-02/19/01	DV9GW1A7
	167	200	343		mg/kg	88	1.5	SW846 6010B	02/17-02/19/01	DV9GW1A8
			Dilution Factor: 1							
			Analysis Time..: 19:37			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023							
Cadmium										
	0.62	5.00	5.70		mg/kg	102		SW846 6010B	02/17-02/19/01	DV9GW1A9
	0.62	5.00	5.51		mg/kg	98	3.3	SW846 6010B	02/17-02/19/01	DV9GW1CA
			Dilution Factor: 1							
			Analysis Time..: 19:37			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023							
Chromium										
	23.6	20.0	44.1		mg/kg	103		SW846 6010B	02/17-02/19/01	DV9GW1CC
	23.6	20.0	40.6		mg/kg	85	8.3	SW846 6010B	02/17-02/19/01	DV9GW1CD
			Dilution Factor: 1							
			Analysis Time..: 19:37			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023							

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1B160290
Date Sampled...: 02/15/01 13:30 Date Received..: 02/16/01 14:00
Matrix.....: SOLID

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	0.63	5.00	5.68	mg/kg	101		SW846 6010B	02/17-02/19/01	DV9GW1CE
	0.63	5.00	5.56	mg/kg	98	2.2	SW846 6010B	02/17-02/19/01	DV9GW1CF
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						
Lead									
	28.5	50.0	77.6	mg/kg	98		SW846 6010B	02/17-02/19/01	DV9GW1CG
	28.5	50.0	60.2 N	mg/kg	63	25	SW846 6010B	02/17-02/19/01	DV9GW1CH
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						
Selenium									
	ND	200	177	mg/kg	89		SW846 6010B	02/17-02/19/01	DV9GW1CJ
	ND	200	182	mg/kg	91	2.6	SW846 6010B	02/17-02/19/01	DV9GW1CK
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						
Silver									
	ND	5.00	4.68	mg/kg	94		SW846 6010B	02/17-02/19/01	DV9GW1CL
	ND	5.00	4.60	mg/kg	92	1.7	SW846 6010B	02/17-02/19/01	DV9GW1CM
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						
Cobalt									
	9.6	50.0	59.1	mg/kg	99		SW846 6010B	02/17-02/19/01	DV9GW1CN
	9.6	50.0	58.1	mg/kg	97	1.6	SW846 6010B	02/17-02/19/01	DV9GW1CP
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						
Copper									
	37.4	25.0	80.1 N	mg/kg	171		SW846 6010B	02/17-02/19/01	DV9GW1CQ
	37.4	25.0	58.1 *	mg/kg	83	32	SW846 6010B	02/17-02/19/01	DV9GW1CR
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						
Molybdenum									
	0.35	100	89.5	mg/kg	89		SW846 6010B	02/17-02/19/01	DV9GW1CT
	0.35	100	85.9	mg/kg	86	4.1	SW846 6010B	02/17-02/19/01	DV9GW1CU
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1B160290 **Matrix.....:** SOLID
Date Sampled...: 02/15/01 13:30 **Date Received..:** 02/16/01 14:00

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	17.6	50.0	66.1	mg/kg	97		SW846 6010B	02/17-02/19/01	DV9GW1CV
	17.6	50.0	63.3	mg/kg	91	4.3	SW846 6010B	02/17-02/19/01	DV9GW1CW
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						
Thallium									
	ND	200	191	mg/kg	96		SW846 6010B	02/17-02/19/01	DV9GW1CX
	ND	200	193	mg/kg	97	1.1	SW846 6010B	02/17-02/19/01	DV9GW1C0
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						
Vanadium									
	48.1	50.0	98.2	mg/kg	100		SW846 6010B	02/17-02/19/01	DV9GW1C1
	48.1	50.0	91.5	mg/kg	87	7.1	SW846 6010B	02/17-02/19/01	DV9GW1C2
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						
Zinc									
	89.1	50.0	134	mg/kg	91		SW846 6010B	02/17-02/19/01	DV9GW1C3
	89.1	50.0	112 N	mg/kg	45	18	SW846 6010B	02/17-02/19/01	DV9GW1C4
			Dilution Factor: 1						
			Analysis Time..: 19:37		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1048023						

MS Lot-Sample #: E1B160290-001 **Prep Batch #...:** 1048126

Mercury									
	0.033	0.167	0.192	mg/kg	95		SW846 7471A	02/21-02/22/01	DV9GW1C5
	0.033	0.167	0.192	mg/kg	95	0.0	SW846 7471A	02/21-02/22/01	DV9GW1C6
			Dilution Factor: 1						
			Analysis Time..: 10:34		Instrument ID..: M04			Analyst ID.....: 021088	
			MS Run #.....: 1048024						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

* Relative percent difference (RPD) is outside stated control limits.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1B160290	Work Order #...:	DV9GW1C7-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1B160290-001		DV9GW1C8-MSD		
Date Sampled...:	02/15/01 13:30	Date Received..:	02/16/01 14:00	MS Run #.....:	1052192
Prep Date.....:	02/19/01	Analysis Date..:	02/20/01		
Prep Batch #...:	1052466	Analysis Time..:	16:29		
Dilution Factor:	1	Analyst ID.....:	999998	Instrument ID..:	MSG

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	2500	2200	ug/kg	88		SW846 8260B
	ND	2500	2030	ug/kg	81	8.3	SW846 8260B
Benzene	ND	2500	2300	ug/kg	92		SW846 8260B
	ND	2500	2300	ug/kg	92	0.04	SW846 8260B
Trichloroethene	ND	2500	2300	ug/kg	92		SW846 8260B
	ND	2500	2180	ug/kg	87	5.4	SW846 8260B
Toluene	95	2500	1940	ug/kg	74		SW846 8260B
	95	2500	1870	ug/kg	71	3.5	SW846 8260B
Chlorobenzene	ND	2500	1900	ug/kg	76		SW846 8260B
	ND	2500	1820	ug/kg	73	4.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	75	(60 - 140)
	69	(60 - 140)
1,2-Dichloroethane-d4	85	(60 - 140)
	78	(60 - 140)
Toluene-d8	82	(60 - 140)
	79	(60 - 140)

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

GC Semivolatiles

Client Lot #...:	E1B160290	Work Order #...:	DV9TV1AD-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1B160304-023		DV9TV1AE-MSD		
Date Sampled...:	02/16/01 09:50	Date Received..:	02/16/01 17:05	MS Run #.....:	1051201
Prep Date.....:	02/19/01	Analysis Date..:	02/20/01		
Prep Batch #...:	1051384	Analysis Time..:	17:09		
Dilution Factor:	1	Analyst ID.....:	356074	Instrument ID..:	G01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)	ND	250	195	mg/kg	78		SW846 8015B
	ND	250	198	mg/kg	79	1.6	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	82	(60 - 130)
	86	(60 - 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 #...: E1B160290 Matrix.....: SOLID
Date Sampled...: 02/15/01 13:30 Date Received..: 02/16/01 14:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1B160290-001 Prep Batch #...: 1048120							
Aluminum	NC	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1A1
	NC	(80 - 120)		(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1A2
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Arsenic	92	(75 - 115)			SW846 6010B	02/17-02/19/01	DV9GW1A3
	92	(75 - 115)	0.51	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1A4
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Antimony	30 N	(75 - 115)			SW846 6010B	02/17-02/19/01	DV9GW1A5
	23 N,*	(75 - 115)	26	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1A6
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Barium	91	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1A7
	88	(80 - 120)	1.5	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1A8
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Cadmium	102	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1A9
	98	(80 - 120)	3.3	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1CA
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Chromium	103	(85 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1CC
	85	(85 - 120)	8.3	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1CD
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Beryllium	101	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1CE
	98	(80 - 120)	2.2	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1CF
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1B160290 Matrix.....: SOLID
Date Sampled...: 02/15/01 13:30 Date Received..: 02/16/01 14:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	98	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1CG
	63 N	(80 - 120)	25	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1CH
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Selenium	89	(70 - 115)			SW846 6010B	02/17-02/19/01	DV9GW1CJ
	91	(70 - 115)	2.6	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1CK
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Silver	94	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1CL
	92	(80 - 120)	1.7	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1CM
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Cobalt	99	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1CN
	97	(80 - 120)	1.6	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1CP
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Copper	171 N	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1CQ
	83 *	(80 - 120)	32	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1CR
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Molybdenum	89	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1CT
	86	(80 - 120)	4.1	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1CU
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Nickel	97	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1CV
	91	(80 - 120)	4.3	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1CW
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					
Thallium	96	(75 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1CX
	97	(75 - 120)	1.1	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1C0
		Dilution Factor: 1					
		Analysis Time..: 19:37			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1048023					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1B160290 Matrix.....: SOLID
Date Sampled...: 02/15/01 13:30 Date Received..: 02/16/01 14:00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	100	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1C1
	87	(80 - 120)	7.1	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1C2

Dilution Factor: 1
Analysis Time..: 19:37 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 1048023

Zinc	91	(80 - 120)			SW846 6010B	02/17-02/19/01	DV9GW1C3
	45 N	(80 - 120)	18	(0-25)	SW846 6010B	02/17-02/19/01	DV9GW1C4

Dilution Factor: 1
Analysis Time..: 19:37 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 1048023

MS Lot-Sample #: E1B160290-001 Prep Batch #...: 1048126

Mercury	95	(80 - 120)			SW846 7471A	02/21-02/22/01	DV9GW1C5
	95	(80 - 120)	0.0	(0-20)	SW846 7471A	02/21-02/22/01	DV9GW1C6

Dilution Factor: 1
Analysis Time..: 10:34 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 1048024

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

* Relative percent difference (RPD) is outside stated control limits.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1B160290
MS Lot-Sample #: E1B160290-001
Date Sampled...: 02/15/01 13:30
Prep Date.....: 02/19/01
Prep Batch #...: 1052466
Dilution Factor: 1

Work Order #...: DV9GW1C7-MS
DV9GW1C8-MSD
Date Received..: 02/16/01 14:00
Analysis Date..: 02/20/01
Analysis Time..: 16:29
Analyst ID.....: 999998

Matrix.....: SOLID
MS Run #.....: 1052192
Instrument ID..: MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	88	(60 - 140)			SW846 8260B
	81	(60 - 140)	8.3	(0-35)	SW846 8260B
Benzene	92	(60 - 130)			SW846 8260B
	92	(60 - 130)	0.04	(0-35)	SW846 8260B
Trichloroethene	92	(60 - 140)			SW846 8260B
	87	(60 - 140)	5.4	(0-35)	SW846 8260B
Toluene	74	(60 - 130)			SW846 8260B
	71	(60 - 130)	3.5	(0-35)	SW846 8260B
Chlorobenzene	76	(60 - 130)			SW846 8260B
	73	(60 - 130)	4.2	(0-35)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	75	(60 - 140)
	69	(60 - 140)
1,2-Dichloroethane-d4	85	(60 - 140)
	78	(60 - 140)
Toluene-d8	82	(60 - 140)
	79	(60 - 140)

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 Semivolatiles

Client Lot #...: E1B160290
MS Lot-Sample #: E1B160304-023
Date Sampled...: 02/16/01 09:50
Prep Date.....: 02/19/01
Prep Batch #...: 1051384
Dilution Factor: 1

Work Order #...: DV9TV1AD-MS
DV9TV1AE-MSD
Date Received..: 02/16/01 17:05
Analysis Date..: 02/20/01
Analysis Time..: 17:09
Analyst ID.....: 356074

Matrix.....: SOLID
MS Run #.....: 1051201
Instrument ID..: G01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	78	(60 - 130)			SW846 8015B
	79	(60 - 130)	1.6	(0-35)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	82	(60 - 130)
	86	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters