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

April 5, 2001

STL LOT NUMBER: E1C280278
PO/CONTRACT: 05160-SEV002

Jay Knight
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Knight,

This report contains the analytical results for the five samples received under chain of custody by STL Los Angeles on March 28, 2001. These samples are 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 certification number 01118CA. 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

This report contains 000077 pages

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client	Project Manager	Date	Chain of Custody Number
Kennedy / Jenks	Rus Purcell	3-28-01	051643
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	Page 1 of 1
2151 Michelson Dr. Suite 100			

City	State	Zip Code	Site Contact	Lab Contact
Irvine	CA.	92612		

Project Name and Location (State)	Carrier/Waybill Number
Boeing Parcel C Demo	

Contract/Purchase Order/Quote No.: 004034.00

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/ NaOH	8260 B/ VOCs	8015 cc / TPH	6000/7000 Series Metals	Special Instructions/ Conditions of Receipt
Build-2-AK-17-032701-2	3/27/01	1140				X	X						X	X	X	Please run 7192 if total
Build-2-AK-16-032701-3	↓	1145				↓	↓						X	X	X	chrome exceeds 37 mg/kg
Build-2-AK-17-032701-4	↓	1150				↓	↓						X	X	X	~~water~~ SUB
Build-2-AK-17-032701-5	↓	1155				↓	↓						X	X	X	↓
Build-2-AK-17-032701-6	↓	1200				↓	↓						X	X	X	↓

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3-28-01	1340	1. Received By	3/28/01	1340
2. Relinquished By	3/28/01	3:40 pm	2. Received By: STL LA	3/28/01	15:40
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

000002

BOE-C6-0124268

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 3/28/01

Quantims Lot #: E1C280278
Client Name: KENNEDY JENKS
Received by: AV
Delivered by : ☒ Client ☐ Airborne ☐ Fed Ex ☐ DHL ☐ Ultra-Ex ☐ Rev B. ☐ UPS ☐ DES ☐ Other _____

Quote #: _____
Project: BOEING - PARCEL C DEMO
Date/Time Received: 3/28/01 15:40

		Initial / Date
Custody Seal Status:	☐ Intact ☐ Broken ☒ None	AV 3/28
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 3/28
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	1705										PH
VOAh /*											N/A
Sheen	1										

h:HCl n:Sodium Hydroxide zn:Zinc Acetate/Sodium Hydroxide s:H2SO4 n:HNO3 n/f:HNO3-Field filtered n/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 03/28/01 REVIEWED BY/DATE: [illegible] 3-29-01

000003

BOE-C6-0124269

EXECUTIVE SUMMARY - Detection Highlights

E1C280278

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BUILD_2_AK_17_032701_2 03/27/01 11:40 001				
C8-C9	130 J	200	mg/kg	SW846 8015B
C10-C11	1100	200	mg/kg	SW846 8015B
C12-C13	2400	200	mg/kg	SW846 8015B
C14-C15	3100	200	mg/kg	SW846 8015B
C16-C17	3400	200	mg/kg	SW846 8015B
C18-C19	2300	200	mg/kg	SW846 8015B
C20-C23	1300	200	mg/kg	SW846 8015B
C24-C27	390	200	mg/kg	SW846 8015B
C28-C31	280	200	mg/kg	SW846 8015B
C32-C35	230	200	mg/kg	SW846 8015B
C36-C39	370	200	mg/kg	SW846 8015B
Total Carbon Chain Range	15000	200	mg/kg	SW846 8015B
C6-C8	3.6	1.0	mg/kg	SW846 8015B
Mercury	0.037 B	0.10	mg/kg	SW846 7471A
Aluminum	22600	20.0	mg/kg	SW846 6010B
Arsenic	5.3	1.0	mg/kg	SW846 6010B
Barium	157	2.0	mg/kg	SW846 6010B
Beryllium	0.69	0.50	mg/kg	SW846 6010B
Cadmium	0.44 B	0.50	mg/kg	SW846 6010B
Cobalt	11.6	5.0	mg/kg	SW846 6010B
Chromium	29.9	1.0	mg/kg	SW846 6010B
Copper	35.4	2.5	mg/kg	SW846 6010B
Molybdenum	1.1 B	4.0	mg/kg	SW846 6010B
Nickel	21.3	4.0	mg/kg	SW846 6010B
Lead	6.2	0.50	mg/kg	SW846 6010B
Antimony	0.43 B	6.0	mg/kg	SW846 6010B
Selenium	0.80	0.50	mg/kg	SW846 6010B
Thallium	0.54 B	1.0	mg/kg	SW846 6010B
Vanadium	60.7	5.0	mg/kg	SW846 6010B
Zinc	71.6	2.0	mg/kg	SW846 6010B
Ethylbenzene	1000	250	ug/kg	SW846 8260B
Xylenes (total)	3900	250	ug/kg	SW846 8260B
Isopropylbenzene	590	250	ug/kg	SW846 8260B
n-Propylbenzene	1400	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	3100	250	ug/kg	SW846 8260B
tert-Butylbenzene	990	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	8600	250	ug/kg	SW846 8260B
sec-Butylbenzene	1500	250	ug/kg	SW846 8260B
n-Butylbenzene	2500	250	ug/kg	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1C280278

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BUILD_2_AK_16_032701_3 03/27/01 11:45 002				
Aluminum	26200	20.0	mg/kg	SW846 6010B
Arsenic	4.1	1.0	mg/kg	SW846 6010B
Barium	183	2.0	mg/kg	SW846 6010B
Beryllium	0.82	0.50	mg/kg	SW846 6010B
Cadmium	0.44 B	0.50	mg/kg	SW846 6010B
Cobalt	10.9	5.0	mg/kg	SW846 6010B
Chromium	30.1	1.0	mg/kg	SW846 6010B
Copper	23.6	2.5	mg/kg	SW846 6010B
Molybdenum	0.93 B	4.0	mg/kg	SW846 6010B
Nickel	19.1	4.0	mg/kg	SW846 6010B
Lead	6.6	0.50	mg/kg	SW846 6010B
Selenium	0.44 B	0.50	mg/kg	SW846 6010B
Vanadium	60.2	5.0	mg/kg	SW846 6010B
Zinc	60.4	2.0	mg/kg	SW846 6010B
BUILD_2_AK_17_032701_4 03/27/01 11:50 003				
C10-C11	26	20	mg/kg	SW846 8015B
C12-C13	85	20	mg/kg	SW846 8015B
C14-C15	130	20	mg/kg	SW846 8015B
C16-C17	160	20	mg/kg	SW846 8015B
C18-C19	110	20	mg/kg	SW846 8015B
C20-C23	61	20	mg/kg	SW846 8015B
C24-C27	18 J	20	mg/kg	SW846 8015B
C28-C31	14 J	20	mg/kg	SW846 8015B
C32-C35	11 J	20	mg/kg	SW846 8015B
Total Carbon Chain Range	630	20	mg/kg	SW846 8015B
Mercury	0.032 B	0.10	mg/kg	SW846 7471A
Aluminum	28200	20.0	mg/kg	SW846 6010B
Arsenic	5.0	1.0	mg/kg	SW846 6010B
Barium	218	2.0	mg/kg	SW846 6010B
Beryllium	0.86	0.50	mg/kg	SW846 6010B
Cadmium	0.73	0.50	mg/kg	SW846 6010B
Cobalt	12.0	5.0	mg/kg	SW846 6010B
Chromium	31.3	1.0	mg/kg	SW846 6010B
Copper	47.5	2.5	mg/kg	SW846 6010B
Molybdenum	0.68 B	4.0	mg/kg	SW846 6010B
Nickel	22.2	4.0	mg/kg	SW846 6010B
Lead	7.4	0.50	mg/kg	SW846 6010B
Vanadium	66.3	5.0	mg/kg	SW846 6010B
Zinc	87.5	2.0	mg/kg	SW846 6010B
p-Isopropyltoluene	2.7 J	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	4.8 J	5.0	ug/kg	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1C280278

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BUILD_2_AK_17_032701_4 03/27/01 11:50 003				
n-Butylbenzene	2.6 J	5.0	ug/kg	SW846 8260B
BUILD_2_AK_17_032701_5 03/27/01 11:55 004				
Aluminum	22400	20.0	mg/kg	SW846 6010B
Arsenic	3.6	1.0	mg/kg	SW846 6010B
Barium	158	2.0	mg/kg	SW846 6010B
Beryllium	0.70	0.50	mg/kg	SW846 6010B
Cadmium	0.36 B	0.50	mg/kg	SW846 6010B
Cobalt	10.6	5.0	mg/kg	SW846 6010B
Chromium	26.1	1.0	mg/kg	SW846 6010B
Copper	23.4	2.5	mg/kg	SW846 6010B
Molybdenum	0.71 B	4.0	mg/kg	SW846 6010B
Nickel	18.8	4.0	mg/kg	SW846 6010B
Lead	5.6	0.50	mg/kg	SW846 6010B
Thallium	0.63 B	1.0	mg/kg	SW846 6010B
Vanadium	51.5	5.0	mg/kg	SW846 6010B
Zinc	53.4	2.0	mg/kg	SW846 6010B
BUILD_2_AK_17_032701_6 03/27/01 12:00 005				
Aluminum	26200	20.0	mg/kg	SW846 6010B
Arsenic	3.9	1.0	mg/kg	SW846 6010B
Barium	193	2.0	mg/kg	SW846 6010B
Beryllium	0.82	0.50	mg/kg	SW846 6010B
Cadmium	0.43 B	0.50	mg/kg	SW846 6010B
Cobalt	11.0	5.0	mg/kg	SW846 6010B
Chromium	29.8	1.0	mg/kg	SW846 6010B
Copper	19.9	2.5	mg/kg	SW846 6010B
Molybdenum	0.60 B	4.0	mg/kg	SW846 6010B
Nickel	20.4	4.0	mg/kg	SW846 6010B
Lead	6.2	0.50	mg/kg	SW846 6010B
Selenium	0.57	0.50	mg/kg	SW846 6010B
Vanadium	58.1	5.0	mg/kg	SW846 6010B
Zinc	53.7	2.0	mg/kg	SW846 6010B
1,2,4-Trimethylbenzene	2.6 J	5.0	ug/kg	SW846 8260B

METHODS SUMMARY

E1C280278

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 5030

References:

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

SAMPLE SUMMARY

E1C280278

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
DX4E6	001	BUILD_2_AK_17_032701_2	03/27/01	11:40
DX4E7	002	BUILD_2_AK_16_032701_3	03/27/01	11:45
DX4E8	003	BUILD_2_AK_17_032701_4	03/27/01	11:50
DX4FA	004	BUILD_2_AK_17_032701_5	03/27/01	11:55
DX4FD	005	BUILD_2_AK_17_032701_6	03/27/01	12:00

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_032701_2

GC Semivolatiles

Lot-Sample #...:	E1C280278-001	Work Order #...:	DX4E61AC	Matrix.....:	SOLID
Date Sampled...:	03/27/01 11:40	Date Received..:	03/28/01 15:40	MS Run #.....:	1088136
Prep Date.....:	03/29/01	Analysis Date..:	04/02/01		
Prep Batch #...:	1088261	Analysis Time..:	12:00		
Dilution Factor:	20				
Analyst ID.....:	356074	Instrument ID..:	G03		
		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	2400	200	mg/kg	100
C14-C15	3100	200	mg/kg	100
C16-C17	3400	200	mg/kg	100
C18-C19	2300	200	mg/kg	100
C20-C23	1300	200	mg/kg	100
C24-C27	390	200	mg/kg	100
C28-C31	280	200	mg/kg	100
C32-C35	230	200	mg/kg	100
C36-C39	370	200	mg/kg	100
C40+	ND	200	mg/kg	100
Total Carbon Chain Range	15000	200	mg/kg	100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	0.0 SRD,*	(60 - 130)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

Diesel pattern detected;C range-C10to beyond C24.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_2

GC Volatiles

Lot-Sample #...:	E1C280278-001	**Work Order #...:**	DX4E61AD	**Matrix.....:**	SOLID
Date Sampled...:	03/27/01 11:40	**Date Received..:**	03/28/01 15:40	**MS Run #.....:**	1088247
Prep Date.....:	03/29/01	**Analysis Date..:**	03/29/01		
Prep Batch #...:	1088490	**Analysis Time..:**	09:12		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	**3.6**	**1.0**	**mg/kg**	**0.10**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	73	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_2

GC/MS Volatiles

Lot-Sample #...: E1C280278-001 **Work Order #...:** DX4E61AA **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:40 **Date Received..:** 03/28/01 15:40 **MS Run #.....:** 1095233
Prep Date.....: 04/02/01 **Analysis Date..:** 04/03/01
Prep Batch #...: 1095406 **Analysis Time..:** 22:31
Dilution Factor: 1
Analyst ID.....: 004648 **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	ND	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_032701_2

GC/MS Volatiles

Lot-Sample #...: E1C280278-001 **Work Order #...:** DX4E61AA **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	**1000**	**250**	**ug/kg**	**70**
Xylenes (total)	**3900**	**250**	**ug/kg**	**170**
Styrene	ND	500	ug/kg	100
Bromoform	ND	250	ug/kg	100
Isopropylbenzene	**590**	**250**	**ug/kg**	**120**
p-Isopropyltoluene	ND	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	**1400**	**250**	**ug/kg**	**110**
2-Chlorotoluene	ND	250	ug/kg	70
4-Chlorotoluene	ND	250	ug/kg	70
1,3,5-Trimethylbenzene	**3100**	**250**	**ug/kg**	**120**
tert-Butylbenzene	**990**	**250**	**ug/kg**	**70**
1,2,4-Trimethylbenzene	**8600**	**250**	**ug/kg**	**70**
sec-Butylbenzene	**1500**	**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	**2500**	**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	78	(60 - 140)
1,2-Dichloroethane-d4	119	(60 - 140)
Toluene-d8	90	(60 - 140)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_16_032701_3

GC Semivolatiles

Lot-Sample #...: E1C280278-002 **Work Order #...:** DX4E71AD **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:45 **Date Received..:** 03/28/01 15:40 **MS Run #.....:** 1088136
Prep Date.....: 03/29/01 **Analysis Date..:** 03/30/01
Prep Batch #...: 1088261 **Analysis Time..:** 22:55
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G03
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	ND	10	mg/kg	5.0
C24-C27	ND	10	mg/kg	5.0
C28-C31	ND	10	mg/kg	5.0
C32-C35	ND	10	mg/kg	5.0
C36-C39	ND	10	mg/kg	5.0
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	ND	10	mg/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	79	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_16_032701_3

GC Volatiles

Lot-Sample #...:	E1C280278-002	**Work Order #...:**	DX4E71AE	**Matrix.....:**	SOLID
Date Sampled...:	03/27/01 11:45	**Date Received..:**	03/28/01 15:40	**MS Run #.....:**	1088247
Prep Date.....:	03/29/01	**Analysis Date..:**	03/29/01		
Prep Batch #...:	1088490	**Analysis Time..:**	07:18		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_16_032701_3

GC/MS Volatiles

Lot-Sample #...: E1C280278-002 **Work Order #...:** DX4E71AC **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:45 **Date Received..:** 03/28/01 15:40 **MS Run #.....:** 1089226
Prep Date.....: 03/30/01 **Analysis Date..:** 03/30/01
Prep Batch #...: 1089536 **Analysis Time..:** 19:10
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

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_16_032701_3

GC/MS Volatiles

Lot-Sample #...: E1C280278-002 **Work Order #...:** DX4E71AC **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	116	(70 - 130)
1,2-Dichloroethane-d4	95	(60 - 140)
Toluene-d8	107	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_4

GC Semivolatiles

Lot-Sample #...:	E1C280278-003	**Work Order #...:**	DX4E81AD	**Matrix.....:**	SOLID
Date Sampled...:	03/27/01 11:50	**Date Received..:**	03/28/01 15:40	**MS Run #.....:**	1088136
Prep Date.....:	03/29/01	**Analysis Date..:**	03/30/01		
Prep Batch #...:	1088261	**Analysis Time..:**	23:35		
Dilution Factor:	2				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	20	mg/kg	10
C10-C11	**26**	**20**	**mg/kg**	**10**
C12-C13	**85**	**20**	**mg/kg**	**10**
C14-C15	**130**	**20**	**mg/kg**	**10**
C16-C17	**160**	**20**	**mg/kg**	**10**
C18-C19	**110**	**20**	**mg/kg**	**10**
C20-C23	**61**	**20**	**mg/kg**	**10**
C24-C27	**18 J**	**20**	**mg/kg**	**10**
C28-C31	**14 J**	**20**	**mg/kg**	**10**
C32-C35	**11 J**	**20**	**mg/kg**	**10**
C36-C39	ND	20	mg/kg	10
C40+	ND	20	mg/kg	10
Total Carbon Chain Range	**630**	**20**	**mg/kg**	**10**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	94	(60 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_4

GC Volatiles

Lot-Sample #...: E1C280278-003 **Work Order #...:** DX4E81AE **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:50 **Date Received..:** 03/28/01 15:40 **MS Run #.....:** 1088247
Prep Date.....: 03/29/01 **Analysis Date..:** 03/29/01
Prep Batch #...: 1088490 **Analysis Time..:** 07:46
Dilution Factor: 1
Analyst ID.....: 001464 **Instrument ID..:** G16
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	86	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_4

GC/MS Volatiles

Lot-Sample #...: E1C280278-003 **Work Order #...:** DX4E81AC **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:50 **Date Received..:** 03/28/01 15:40 **MS Run #.....:** 1089226
Prep Date.....: 03/30/01 **Analysis Date..:** 03/30/01
Prep Batch #...: 1089536 **Analysis Time..:** 17:31
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

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_4

GC/MS Volatiles

Lot-Sample #...: E1C280278-003 **Work Order #...:** DX4E81AC **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	**2.7 J**	**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	**4.8 J**	**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	**2.6 J**	**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	104	(70 - 130)
1,2-Dichloroethane-d4	94	(60 - 140)
Toluene-d8	100	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_5

GC Semivolatiles

Lot-Sample #...: E1C280278-004 **Work Order #...:** DX4FA1AD **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:55 **Date Received..:** 03/28/01 15:40 **MS Run #.....:** 1088136
Prep Date.....: 03/29/01 **Analysis Date..:** 03/31/01
Prep Batch #...: 1088261 **Analysis Time..:** 00:14
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G03
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	ND	10	mg/kg	5.0
C24-C27	ND	10	mg/kg	5.0
C28-C31	ND	10	mg/kg	5.0
C32-C35	ND	10	mg/kg	5.0
C36-C39	ND	10	mg/kg	5.0
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	ND	10	mg/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	80	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_5

GC Volatiles

Lot-Sample #...:	E1C280278-004	**Work Order #...:**	DX4FA1AE	**Matrix.....:**	SOLID
Date Sampled...:	03/27/01 11:55	**Date Received..:**	03/28/01 15:40	**MS Run #.....:**	1088247
Prep Date.....:	03/29/01	**Analysis Date..:**	03/29/01		
Prep Batch #...:	1088490	**Analysis Time..:**	08:15		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	86	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_5

GC/MS Volatiles

Lot-Sample #...: E1C280278-004 **Work Order #...:** DX4FA1AC **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:55 **Date Received..:** 03/28/01 15:40 **MS Run #.....:** 1089226
Prep Date.....: 03/30/01 **Analysis Date..:** 03/30/01
Prep Batch #...: 1089536 **Analysis Time..:** 18:04
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	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

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_5

GC/MS Volatiles

Lot-Sample #...: E1C280278-004 **Work Order #...:** DX4FA1AC **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	108	(70 - 130)
1,2-Dichloroethane-d4	94	(60 - 140)
Toluene-d8	104	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_6

GC Semivolatiles

Lot-Sample #...: E1C280278-005 **Work Order #...:** DX4FD1AD **Matrix.....:** SOLID
Date Sampled...: 03/27/01 12:00 **Date Received..:** 03/28/01 15:40 **MS Run #.....:** 1088136
Prep Date.....: 03/29/01 **Analysis Date..:** 03/31/01
Prep Batch #...: 1088261 **Analysis Time..:** 00:53
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G03
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	ND	10	mg/kg	5.0
C14-C15	ND	10	mg/kg	5.0
C16-C17	ND	10	mg/kg	5.0
C18-C19	ND	10	mg/kg	5.0
C20-C23	ND	10	mg/kg	5.0
C24-C27	ND	10	mg/kg	5.0
C28-C31	ND	10	mg/kg	5.0
C32-C35	ND	10	mg/kg	5.0
C36-C39	ND	10	mg/kg	5.0
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	ND	10	mg/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	85	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_6

GC Volatiles

Lot-Sample #...:	E1C280278-005	**Work Order #...:**	DX4FD1AE	**Matrix.....:**	SOLID
Date Sampled...:	03/27/01 12:00	**Date Received..:**	03/28/01 15:40	**MS Run #.....:**	1088247
Prep Date.....:	03/29/01	**Analysis Date..:**	03/29/01		
Prep Batch #...:	1088490	**Analysis Time..:**	08:43		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_6

GC/MS Volatiles

Lot-Sample #...: E1C280278-005 **Work Order #...:** DX4FD1AC **Matrix.....:** SOLID
Date Sampled...: 03/27/01 12:00 **Date Received..:** 03/28/01 15:40 **MS Run #.....:** 1089226
Prep Date.....: 03/30/01 **Analysis Date..:** 03/30/01
Prep Batch #...: 1089536 **Analysis Time..:** 18:37
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

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_6

GC/MS Volatiles

Lot-Sample #...: E1C280278-005 **Work Order #...:** DX4FD1AC **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	**2.6 J**	**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	113	(70 - 130)
1,2-Dichloroethane-d4	92	(60 - 140)
Toluene-d8	107	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

BUILD_2_AK_16_032701_3

GC/MS Volatiles

Lot-Sample #: E1C280278-002 **Work Order #:** DX4E71AC **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/kg

KENNEDY/JENKS CONSULTANTS

BUILD_2_AK_17_032701_4

GC/MS Volatiles

Lot-Sample #: E1C280278-003 **Work Order #:** DX4E81AC **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/kg

KENNEDY/JENKS CONSULTANTS

BUILD_2_AK_17_032701_5

GC/MS Volatiles

Lot-Sample #: E1C280278-004 **Work Order #:** DX4FA1AC **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/kg

KENNEDY/JENKS CONSULTANTS

BUILD_2_AK_17_032701_6

GC/MS Volatiles

Lot-Sample #: E1C280278-005 **Work Order #:** DX4FD1AC **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/kg

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_2

TOTAL Metals

Lot-Sample #...: E1C280278-001 **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:40 **Date Received..:** 03/28/01 15:40

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1088235						
Mercury	**0.037 B**	**0.10**	**mg/kg**	**SW846 7471A**	**03/29/01**	**DX4E61A0**
		Dilution Factor: 1		Analysis Time..: 15:31	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1088113	MDL.....: 0.020	
Prep Batch #...: 1088244						
Silver	ND	1.0	mg/kg	SW846 6010B	03/29/01	DX4E61AT
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Aluminum	**22600**	**20.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E61AE**
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 8.0	
Arsenic	**5.3**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E61AG**
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Barium	**157**	**2.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E61AH**
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Beryllium	**0.69**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E61AJ**
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.050	
Cadmium	**0.44 B**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E61AK**
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.050	
Cobalt	**11.6**	**5.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E61AL**
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Chromium	**29.9**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E61AX**
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_2

TOTAL Metals

Lot-Sample #...: E1C280278-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	35.4	2.5	mg/kg	SW846 6010B	03/29/01	DX4E61AM
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Molybdenum	1.1 B	4.0	mg/kg	SW846 6010B	03/29/01	DX4E61AP
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Nickel	21.3	4.0	mg/kg	SW846 6010B	03/29/01	DX4E61AQ
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Lead	6.2	0.50	mg/kg	SW846 6010B	03/29/01	DX4E61AN
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Antimony	0.43 B	6.0	mg/kg	SW846 6010B	03/29/01	DX4E61AF
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.20	
Selenium	0.80	0.50	mg/kg	SW846 6010B	03/29/01	DX4E61AR
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Thallium	0.54 B	1.0	mg/kg	SW846 6010B	03/29/01	DX4E61AU
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.50	
Vanadium	60.7	5.0	mg/kg	SW846 6010B	03/29/01	DX4E61AV
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Zinc	71.6	2.0	mg/kg	SW846 6010B	03/29/01	DX4E61AW
		Dilution Factor: 1		Analysis Time..: 22:49	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_16_032701_3

TOTAL Metals

Lot-Sample #...: E1C280278-002 Matrix.....: SOLID
Date Sampled...: 03/27/01 11:45 Date Received..: 03/28/01 15:40

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1088235						
Mercury	ND	0.10	mg/kg	SW846 7471A	03/29/01	DX4E71AA
		Dilution Factor: 1		Analysis Time..: 15:36	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1088113	MDL.....: 0.020	
Prep Batch #...: 1088244						
Silver	ND	1.0	mg/kg	SW846 6010B	03/29/01	DX4E71AU
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Aluminum	**26200**	**20.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AF**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 8.0	
Arsenic	**4.1**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AH**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Barium	**183**	**2.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AJ**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Beryllium	**0.82**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AK**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.050	
Cadmium	**0.44 B**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AL**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.050	
Cobalt	**10.9**	**5.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AM**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Chromium	**30.1**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71A0**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_16_032701_3

TOTAL Metals

Lot-Sample #...: E1C280278-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**23.6**	**2.5**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AN**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Molybdenum	**0.93 B**	**4.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AQ**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Nickel	**19.1**	**4.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AR**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Lead	**6.6**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AP**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	03/29/01	DX4E71AG
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.20	
Selenium	**0.44 B**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AT**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Thallium	ND	1.0	mg/kg	SW846 6010B	03/29/01	DX4E71AV
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.50	
Vanadium	**60.2**	**5.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AW**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Zinc	**60.4**	**2.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E71AX**
		Dilution Factor: 1		Analysis Time..: 23:33	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_4

TOTAL Metals

Lot-Sample #...: E1C280278-003 **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:50 **Date Received..:** 03/28/01 15:40

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1088235						
Mercury	**0.032 B**	**0.10**	**mg/kg**	**SW846 7471A**	**03/29/01**	**DX4E81AA**
		Dilution Factor: 1		Analysis Time..: 15:41	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1088113	MDL.....: 0.020	
Prep Batch #...: 1088244						
Silver	ND	1.0	mg/kg	SW846 6010B	03/29/01	DX4E81AU
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Aluminum	**28200**	**20.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AF**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 8.0	
Arsenic	**5.0**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AH**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Barium	**218**	**2.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AJ**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Beryllium	**0.86**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AK**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.050	
Cadmium	**0.73**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AL**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.050	
Cobalt	**12.0**	**5.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AM**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Chromium	**31.3**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81A0**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_4

TOTAL Metals

Lot-Sample #...: E1C280278-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**47.5**	**2.5**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AN**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Molybdenum	**0.68 B**	**4.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AQ**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Nickel	**22.2**	**4.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AR**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Lead	**7.4**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AP**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	03/29/01	DX4E81AG
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/29/01	DX4E81AT
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Thallium	ND	1.0	mg/kg	SW846 6010B	03/29/01	DX4E81AV
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.50	
Vanadium	**66.3**	**5.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AW**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Zinc	**87.5**	**2.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX4E81AX**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_5

TOTAL Metals

Lot-Sample #...: E1C280278-004 **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:55 **Date Received..:** 03/28/01 15:40

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1088235						
Mercury	ND	0.10	mg/kg	SW846 7471A	03/29/01	DX4FA1AA
		Dilution Factor: 1		Analysis Time..: 15:43	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1088113	MDL.....: 0.020	
Prep Batch #...: 1088244						
Silver	ND	1.0	mg/kg	SW846 6010B	03/29-03/30/01	DX4FA1AU
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Aluminum	**22400**	**20.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AF**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 8.0	
Arsenic	**3.6**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AH**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Barium	**158**	**2.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AJ**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Beryllium	**0.70**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AK**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.050	
Cadmium	**0.36 B**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AL**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.050	
Cobalt	**10.6**	**5.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AM**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Chromium	**26.1**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1A0**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_5

TOTAL Metals

Lot-Sample #...: E1C280278-004 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**23.4**	**2.5**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AN**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Molybdenum	**0.71 B**	**4.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AQ**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Nickel	**18.8**	**4.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AR**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Lead	**5.6**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AP**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	03/29-03/30/01	DX4FA1AG
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/29-03/30/01	DX4FA1AT
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Thallium	**0.63 B**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AV**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.50	
Vanadium	**51.5**	**5.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AW**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Zinc	**53.4**	**2.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FA1AX**
		Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_6

TOTAL Metals

Lot-Sample #...: E1C280278-005 **Matrix.....:** SOLID
Date Sampled...: 03/27/01 12:00 **Date Received..:** 03/28/01 15:40

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1088235						
Mercury	ND	0.10	mg/kg	SW846 7471A	03/29/01	DX4FD1AA
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1088113	MDL.....: 0.020	
Prep Batch #...: 1088244						
Silver	ND	1.0	mg/kg	SW846 6010B	03/29-03/30/01	DX4FD1AU
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Aluminum	**26200**	**20.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AF**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 8.0	
Arsenic	**3.9**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AH**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Barium	**193**	**2.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AJ**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Beryllium	**0.82**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AK**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.050	
Cadmium	**0.43 B**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AL**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.050	
Cobalt	**11.0**	**5.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AM**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Chromium	**29.8**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1A0**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AK_17_032701_6

TOTAL Metals

Lot-Sample #...: E1C280278-005 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**19.9**	**2.5**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AN**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Molybdenum	**0.60 B**	**4.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AQ**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Nickel	**20.4**	**4.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AR**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Lead	**6.2**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AP**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	03/29-03/30/01	DX4FD1AG
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.20	
Selenium	**0.57**	**0.50**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AT**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.40	
Thallium	ND	1.0	mg/kg	SW846 6010B	03/29-03/30/01	DX4FD1AV
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.50	
Vanadium	**58.1**	**5.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AW**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 0.10	
Zinc	**53.7**	**2.0**	**mg/kg**	**SW846 6010B**	**03/29-03/30/01**	**DX4FD1AX**
		Dilution Factor: 1		Analysis Time..: 00:12	Analyst ID.....: 0031192	
		Instrument ID..: M01		MS Run #.....: 1088122	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E1C280278

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		1088261	1088136
	SOLID	SW846 8015B		1088490	1088247
	SOLID	SW846 7471A		1088235	1088113
	SOLID	SW846 8260B		1095406	1095233
	SOLID	SW846 6010B		1088244	1088122
002	SOLID	SW846 8015B		1088261	1088136
	SOLID	SW846 8015B		1088490	1088247
	SOLID	SW846 7471A		1088235	1088113
	SOLID	SW846 8260B		1089536	1089226
	SOLID	SW846 6010B		1088244	1088122
003	SOLID	SW846 8015B		1088261	1088136
	SOLID	SW846 8015B		1088490	1088247
	SOLID	SW846 7471A		1088235	1088113
	SOLID	SW846 8260B		1089536	1089226
	SOLID	SW846 6010B		1088244	1088122
004	SOLID	SW846 8015B		1088261	1088136
	SOLID	SW846 8015B		1088490	1088247
	SOLID	SW846 7471A		1088235	1088113
	SOLID	SW846 8260B		1089536	1089226
	SOLID	SW846 6010B		1088244	1088122
005	SOLID	SW846 8015B		1088261	1088136
	SOLID	SW846 8015B		1088490	1088247
	SOLID	SW846 7471A		1088235	1088113
	SOLID	SW846 8260B		1089536	1089226
	SOLID	SW846 6010B		1088244	1088122

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1C280278
MB Lot-Sample #: E1C290000-261

Analysis Date..: 03/29/01
Dilution Factor: 1

Work Order #...: DX5H31AA

Prep Date.....: 03/29/01
Prep Batch #...: 1088261

Analyst ID.....: 356074

Matrix.....: SOLID

Analysis Time..: 22:51
Instrument ID..: G03

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	105	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1C280278
MB Lot-Sample #: E1C290000-490

Analysis Date..: 03/29/01
Dilution Factor: 1

Work Order #...: DX60J1AA

Prep Date.....: 03/29/01
Prep Batch #...: 1088490

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 01:37
Instrument ID..: G16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C6-C8	ND	1.0	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	86	(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 #...: E1C280278
MB Lot-Sample #: E1C300000-536

Analysis Date..: 03/30/01
Dilution Factor: 1

Work Order #...: DX9KM1AA

Prep Date.....: 03/30/01
Prep Batch #...: 1089536

Analyst ID.....: 015590

Matrix.....: SOLID

Analysis Time..: 12:29
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

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1C280278 **Work Order #...:** DX9KM1AA **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	103	(70 - 130)
1,2-Dichloroethane-d4	97	(60 - 140)
Toluene-d8	99	(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 #...: E1C280278
MB Lot-Sample #: E1D050000-406

Analysis Date..: 04/03/01
Dilution Factor: 1

Work Order #...: EAGP71AA

Prep Date.....: 04/02/01
Prep Batch #...: 1095406

Analyst ID.....: 004648

Matrix.....: SOLID

Analysis Time..: 14:51
Instrument ID..: MSG

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	ND	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 #...: E1C280278 **Work Order #...:** EAGP71AA **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	77	(60 - 140)
1,2-Dichloroethane-d4	111	(60 - 140)
Toluene-d8	84	(60 - 140)

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1C280278 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E1C290000-235 **Prep Batch #...:** 1088235						
Mercury	ND	0.10	mg/kg	SW846 7471A	03/29/01	DX5DL1AA
		Dilution Factor: 1				
		Analysis Time..: 15:27		Analyst ID.....: 021088	Instrument ID..: M04	
MB Lot-Sample #: E1C290000-244 **Prep Batch #...:** 1088244						
Aluminum	ND	20.0	mg/kg	SW846 6010B	03/29/01	DX5E71AA
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	03/29/01	DX5E71AC
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	03/29/01	DX5E71AD
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	03/29/01	DX5E71AE
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	03/29/01	DX5E71AF
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	03/29/01	DX5E71AG
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	**0.12 B**	**1.0**	**mg/kg**	**SW846 6010B**	**03/29/01**	**DX5E71AU**
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	03/29/01	DX5E71AH
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	ND	2.5	mg/kg	SW846 6010B	03/29/01	DX5E71AJ
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1C280278 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	0.50	mg/kg	SW846 6010B	03/29/01	DX5E71AK
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	03/29/01	DX5E71AL
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	ND	4.0	mg/kg	SW846 6010B	03/29/01	DX5E71AM
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	03/29/01	DX5E71AN
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	03/29/01	DX5E71AP
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	03/29/01	DX5E71AQ
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	03/29/01	DX5E71AR
		Dilution Factor: 1				
		Analysis Time..: 22:34		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	03/29/01	DX5E71AT
		Dilution Factor: 1				
		Analysis Time..: 22:34		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 Semivolatiles

Client Lot #...: E1C280278 **Work Order #...:** DX5H31AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1C290000-261
Prep Date.....: 03/29/01 **Analysis Date..:** 03/29/01
Prep Batch #...: 1088261 **Analysis Time..:** 23:30
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**238**	**mg/kg**	**95**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	97	(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 Volatiles

Client Lot #...: E1C280278 **Work Order #...:** DX60J1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1C290000-490
Prep Date.....: 03/29/01 **Analysis Date..:** 03/29/01
Prep Batch #...: 1088490 **Analysis Time..:** 00:40
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**5.45**	**mg/kg**	**109**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	117	(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 #...: E1C280278 **Work Order #...:** DX9KM1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1C300000-536
Prep Date.....: 03/30/01 **Analysis Date..:** 03/30/01
Prep Batch #...: 1089536 **Analysis Time..:** 11:23
Dilution Factor: 1 **Instrument ID..:** MSG
Analyst ID.....: 015590

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**46.2**	**ug/kg**	**92**	**SW846 8260B**
Benzene	**50.0**	**43.9**	**ug/kg**	**88**	**SW846 8260B**
Trichloroethene	**50.0**	**41.2**	**ug/kg**	**82**	**SW846 8260B**
Toluene	**50.0**	**41.8**	**ug/kg**	**84**	**SW846 8260B**
Chlorobenzene	**50.0**	**41.7**	**ug/kg**	**83**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(70 - 130)
1,2-Dichloroethane-d4	97	(60 - 140)
Toluene-d8	102	(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 #...: E1C280278 **Work Order #...:** EAGP71AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1D050000-406
Prep Date.....: 04/02/01 **Analysis Date..:** 04/03/01
Prep Batch #...: 1095406 **Analysis Time..:** 13:45
Dilution Factor: 1 **Instrument ID..:** MSG
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**2500**	**2460**	**ug/kg**	**98**	**SW846 8260B**
Benzene	**2500**	**1880**	**ug/kg**	**75**	**SW846 8260B**
Trichloroethene	**2500**	**2350**	**ug/kg**	**94**	**SW846 8260B**
Toluene	**2500**	**1990**	**ug/kg**	**79**	**SW846 8260B**
Chlorobenzene	**2500**	**2020**	**ug/kg**	**81**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	75	(60 - 140)
1,2-Dichloroethane-d4	103	(60 - 140)
Toluene-d8	85	(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 #...: E1C280278 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1C290000-235 **Prep Batch #...:** 1088235							
Mercury	0.833	0.793	mg/kg	95	SW846 7471A	03/29/01	DX5DL1AC
			Dilution Factor: 1				
			Analysis Time..: 15:29		Analyst ID.....: 021088	Instrument ID..: M04	
LCS Lot-Sample#: E1C290000-244 **Prep Batch #...:** 1088244							
Aluminum	200	173	mg/kg	87	SW846 6010B	03/29/01	DX5E71AV
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	50.0	43.7	mg/kg	87	SW846 6010B	03/29/01	DX5E71AW
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	200	189	mg/kg	95	SW846 6010B	03/29/01	DX5E71AX
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	200	200	mg/kg	100	SW846 6010B	03/29/01	DX5E71A0
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	5.00	5.61	mg/kg	112	SW846 6010B	03/29/01	DX5E71A1
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	5.00	5.37	mg/kg	107	SW846 6010B	03/29/01	DX5E71A2
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	50.0	54.2	mg/kg	108	SW846 6010B	03/29/01	DX5E71A3
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	25.0	24.7	mg/kg	99	SW846 6010B	03/29/01	DX5E71A4
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	50.0	48.1	mg/kg	96	SW846 6010B	03/29/01	DX5E71A5
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1C280278 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	100	103	mg/kg	103	SW846 6010B	03/29/01	DX5E71A6
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	50.0	52.9	mg/kg	106	SW846 6010B	03/29/01	DX5E71A7
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	200	176	mg/kg	88	SW846 6010B	03/29/01	DX5E71A8
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	5.00	4.85	mg/kg	97	SW846 6010B	03/29/01	DX5E71A9
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	200	191	mg/kg	96	SW846 6010B	03/29/01	DX5E71CA
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	50.0	53.5	mg/kg	107	SW846 6010B	03/29/01	DX5E71CC
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	50.0	51.9	mg/kg	104	SW846 6010B	03/29/01	DX5E71CD
			Dilution Factor: 1				
			Analysis Time..: 22:41		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	20.0	22.5	mg/kg	113	SW846 6010B	03/29/01	DX5E71CE
			Dilution Factor: 1				
			Analysis Time..: 22:41		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 Semivolatiles

Client Lot #...: E1C280278 **Work Order #...:** DX5H31AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1C290000-261
Prep Date.....: 03/29/01 **Analysis Date..:** 03/29/01
Prep Batch #...: 1088261 **Analysis Time..:** 23:30
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**95**	**(60 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	97	(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 #...: E1C280278 **Work Order #...:** DX60J1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1C290000-490
Prep Date.....: 03/29/01 **Analysis Date..:** 03/29/01
Prep Batch #...: 1088490 **Analysis Time..:** 00:40
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**109**	**(80 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	117	(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 #...: E1C280278 **Work Order #...:** DX9KM1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1C300000-536
Prep Date.....: 03/30/01 **Analysis Date..:** 03/30/01
Prep Batch #...: 1089536 **Analysis Time..:** 11:23
Dilution Factor: 1 **Instrument ID..:** MSG
Analyst ID.....: 015590

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**92**	**(60 - 150)**	**SW846 8260B**
Benzene	**88**	**(70 - 140)**	**SW846 8260B**
Trichloroethene	**82**	**(70 - 130)**	**SW846 8260B**
Toluene	**84**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**83**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(70 - 130)
1,2-Dichloroethane-d4	97	(60 - 140)
Toluene-d8	102	(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 #...: E1C280278 **Work Order #...:** EAGP71AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1D050000-406
Prep Date.....: 04/02/01 **Analysis Date..:** 04/03/01
Prep Batch #...: 1095406 **Analysis Time..:** 13:45
Dilution Factor: 1 **Instrument ID..:** MSG
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**98**	**(60 - 140)**	**SW846 8260B**
Benzene	**75**	**(60 - 130)**	**SW846 8260B**
Trichloroethene	**94**	**(60 - 140)**	**SW846 8260B**
Toluene	**79**	**(60 - 130)**	**SW846 8260B**
Chlorobenzene	**81**	**(60 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	75	(60 - 140)
1,2-Dichloroethane-d4	103	(60 - 140)
Toluene-d8	85	(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 #...: E1C280278 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1C290000-235 **Prep Batch #...:** 1088235					
Mercury	95	(85 - 115)	SW846 7471A	03/29/01	DX5DL1AC
		Dilution Factor: 1			
		Analysis Time..: 15:29	Analyst ID.....: 021088		Instrument ID..: M04
LCS Lot-Sample#: E1C290000-244 **Prep Batch #...:** 1088244					
Aluminum	87	(80 - 120)	SW846 6010B	03/29/01	DX5E71AV
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Antimony	87	(75 - 115)	SW846 6010B	03/29/01	DX5E71AW
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Arsenic	95	(75 - 115)	SW846 6010B	03/29/01	DX5E71AX
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Barium	100	(80 - 120)	SW846 6010B	03/29/01	DX5E71A0
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Beryllium	112	(80 - 120)	SW846 6010B	03/29/01	DX5E71A1
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Cadmium	107	(80 - 120)	SW846 6010B	03/29/01	DX5E71A2
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Cobalt	108	(80 - 120)	SW846 6010B	03/29/01	DX5E71A3
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Copper	99	(80 - 120)	SW846 6010B	03/29/01	DX5E71A4
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Lead	96	(80 - 120)	SW846 6010B	03/29/01	DX5E71A5
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1C280278 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	103	(80 - 120)	SW846 6010B	03/29/01	DX5E71A6
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Nickel	106	(80 - 120)	SW846 6010B	03/29/01	DX5E71A7
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Selenium	88	(70 - 115)	SW846 6010B	03/29/01	DX5E71A8
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Silver	97	(80 - 120)	SW846 6010B	03/29/01	DX5E71A9
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Thallium	96	(75 - 120)	SW846 6010B	03/29/01	DX5E71CA
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Vanadium	107	(80 - 120)	SW846 6010B	03/29/01	DX5E71CC
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Zinc	104	(80 - 120)	SW846 6010B	03/29/01	DX5E71CD
		Dilution Factor: 1			
		Analysis Time..: 22:41	Analyst ID.....: 003119		Instrument ID..: M01
Chromium	113	(85 - 120)	SW846 6010B	03/29/01	DX5E71CE
		Dilution Factor: 1			
		Analysis Time..: 22:41	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 #...: E1C280278 **Work Order #...:** DXT291AC-MS **Matrix.....:** SOLID
MS Lot-Sample #: E1C220325-028 DXT291AD-MSD
Date Sampled...: 03/22/01 08:40 **Date Received..:** 03/22/01 17:45 **MS Run #.....:** 1089226
Prep Date.....: 03/29/01 **Analysis Date..:** 03/29/01
Prep Batch #...: 1089428 **Analysis Time..:** 23:09
Dilution Factor: 1 **Analyst ID.....:** 015590 **Instrument ID..:** MSG

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**ND**	**50.0**	**53.1**	**ug/kg**	**106**		**SW846 8260B**
	ND	**50.0**	**50.0**	**ug/kg**	**100**	**6.1**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**53.1**	**ug/kg**	**106**		**SW846 8260B**
	ND	**50.0**	**49.9**	**ug/kg**	**100**	**6.2**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**50.0**	**54.2**	**ug/kg**	**108**		**SW846 8260B**
	ND	**50.0**	**50.5**	**ug/kg**	**101**	**7.0**	**SW846 8260B**
Toluene	**ND**	**50.0**	**52.8**	**ug/kg**	**106**		**SW846 8260B**
	ND	**50.0**	**49.7**	**ug/kg**	**99**	**6.1**	**SW846 8260B**
Trichloroethene	**ND**	**50.0**	**51.1**	**ug/kg**	**102**		**SW846 8260B**
	ND	**50.0**	**47.7**	**ug/kg**	**95**	**6.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(70 - 130)
	103	(70 - 130)
1,2-Dichloroethane-d4	96	(60 - 140)
	92	(60 - 140)
Toluene-d8	109	(70 - 130)
	104	(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

GC/MS Volatiles

Client Lot #...:	E1C280278	**Work Order #...:**	DX2A81AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1C270192-004		DX2A81AF-MSD		
Date Sampled...:	03/19/01 15:30	**Date Received..:**	03/27/01 10:00	**MS Run #.....:**	1095233
Prep Date.....:	04/02/01	**Analysis Date..:**	04/03/01		
Prep Batch #...:	1095406	**Analysis Time..:**	19:14		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSG

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**2500**	**2220**	**ug/kg**	**89**		**SW846 8260B**
	ND	**2500**	**1990**	**ug/kg**	**80**	**11**	**SW846 8260B**
Benzene	**ND**	**2500**	**2170**	**ug/kg**	**87**		**SW846 8260B**
	ND	**2500**	**1990**	**ug/kg**	**80**	**8.9**	**SW846 8260B**
Trichloroethene	**ND**	**2500**	**2250**	**ug/kg**	**90**		**SW846 8260B**
	ND	**2500**	**2070**	**ug/kg**	**83**	**8.3**	**SW846 8260B**
Toluene	**ND**	**2500**	**2000**	**ug/kg**	**80**		**SW846 8260B**
	ND	**2500**	**1850**	**ug/kg**	**74**	**7.8**	**SW846 8260B**
Chlorobenzene	**ND**	**2500**	**2020**	**ug/kg**	**81**		**SW846 8260B**
	ND	**2500**	**1880**	**ug/kg**	**75**	**7.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	74	(60 - 140)
	65	(60 - 140)
1,2-Dichloroethane-d4	107	(60 - 140)
	98	(60 - 140)
Toluene-d8	78	(60 - 140)
	72	(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

TOTAL Metals

Client Lot #...: E1C280278 **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:40 **Date Received..:** 03/28/01 15:40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1C280278-001 **Prep Batch #...:** 1088235									
Mercury									
	0.037	0.167	0.197	mg/kg	95		SW846 7471A	03/29/01	DX4E61A1
	0.037	0.167	0.202	mg/kg	98	2.5	SW846 7471A	03/29/01	DX4E61A2
			Dilution Factor: 1						
			Analysis Time..: 15:33		Instrument ID..: M04			Analyst ID.....: 021088	
			MS Run #.....: 1088113						
MS Lot-Sample #: E1C280278-001 **Prep Batch #...:** 1088244									
Aluminum									
	22600	200	23300 NC	mg/kg			SW846 6010B	03/29/01	DX4E61A3
	22600	200	23000 NC	mg/kg			SW846 6010B	03/29/01	DX4E61A4
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						
Antimony									
	0.43	50.0	13.9 N	mg/kg	27		SW846 6010B	03/29/01	DX4E61A5
	0.43	50.0	13.7 N	mg/kg	26	1.8	SW846 6010B	03/29/01	DX4E61A6
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						
Arsenic									
	5.3	200	194	mg/kg	94		SW846 6010B	03/29/01	DX4E61A7
	5.3	200	192	mg/kg	94	0.83	SW846 6010B	03/29/01	DX4E61A8
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						
Barium									
	157	200	353	mg/kg	98		SW846 6010B	03/29/01	DX4E61A9
	157	200	344	mg/kg	93	2.6	SW846 6010B	03/29/01	DX4E61CA
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						
Beryllium									
	0.69	5.00	5.96	mg/kg	106		SW846 6010B	03/29/01	DX4E61CC
	0.69	5.00	6.00	mg/kg	106	0.56	SW846 6010B	03/29/01	DX4E61CD
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1C280278 **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:40 **Date Received..:** 03/28/01 15:40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium									
	0.44	5.00	5.61	mg/kg	103		SW846 6010B	03/29/01	DX4E61CE
	0.44	5.00	5.50	mg/kg	101	2.0	SW846 6010B	03/29/01	DX4E61CF
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						
Chromium									
	29.9	20.0	50.0	mg/kg	100		SW846 6010B	03/29/01	DX4E61C5
	29.9	20.0	50.6	mg/kg	104	1.3	SW846 6010B	03/29/01	DX4E61C6
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						
Cobalt									
	11.6	50.0	63.3	mg/kg	103		SW846 6010B	03/29/01	DX4E61CG
	11.6	50.0	63.2	mg/kg	103	0.03	SW846 6010B	03/29/01	DX4E61CH
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						
Copper									
	35.4	25.0	64.5	mg/kg	117		SW846 6010B	03/29/01	DX4E61CJ
	35.4	25.0	61.3	mg/kg	104	5.2	SW846 6010B	03/29/01	DX4E61CK
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						
Lead									
	6.2	50.0	53.6	mg/kg	95		SW846 6010B	03/29/01	DX4E61CL
	6.2	50.0	53.1	mg/kg	94	0.84	SW846 6010B	03/29/01	DX4E61CM
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						
Molybdenum									
	1.1	100	95.4	mg/kg	94		SW846 6010B	03/29/01	DX4E61CN
	1.1	100	94.6	mg/kg	94	0.89	SW846 6010B	03/29/01	DX4E61CP
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						
Nickel									
	21.3	50.0	70.7	mg/kg	99		SW846 6010B	03/29/01	DX4E61CQ
	21.3	50.0	70.5	mg/kg	98	0.29	SW846 6010B	03/29/01	DX4E61CR
			Dilution Factor: 1						
			Analysis Time..: 23:08		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1088122						

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1C280278 **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:40 **Date Received..:** 03/28/01 15:40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium									
	0.80	200	179	mg/kg	89		SW846 6010B	03/29/01	DX4E61CT
	0.80	200	177	mg/kg	88	1.2	SW846 6010B	03/29/01	DX4E61CU
				Dilution Factor: 1					
				Analysis Time..: 23:08		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1088122					
Silver									
	ND	5.00	4.74	mg/kg	95		SW846 6010B	03/29/01	DX4E61CV
	ND	5.00	4.65	mg/kg	93	2.0	SW846 6010B	03/29/01	DX4E61CW
				Dilution Factor: 1					
				Analysis Time..: 23:08		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1088122					
Thallium									
	0.54	200	193	mg/kg	96		SW846 6010B	03/29/01	DX4E61CX
	0.54	200	191	mg/kg	95	0.72	SW846 6010B	03/29/01	DX4E61C0
				Dilution Factor: 1					
				Analysis Time..: 23:08		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1088122					
Vanadium									
	60.7	50.0	110	mg/kg	99		SW846 6010B	03/29/01	DX4E61C1
	60.7	50.0	110	mg/kg	98	0.45	SW846 6010B	03/29/01	DX4E61C2
				Dilution Factor: 1					
				Analysis Time..: 23:08		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1088122					
Zinc									
	71.6	50.0	123	mg/kg	103		SW846 6010B	03/29/01	DX4E61C3
	71.6	50.0	123	mg/kg	102	0.36	SW846 6010B	03/29/01	DX4E61C4
				Dilution Factor: 1					
				Analysis Time..: 23:08		Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1088122					

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 Semivolatiles

Client Lot #...:	E1C280278	**Work Order #...:**	DX4E61C7-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1C280278-001		DX4E61C8-MSD		
Date Sampled...:	03/27/01 11:40	**Date Received..:**	03/28/01 15:40	**MS Run #.....:**	1088136
Prep Date.....:	03/29/01	**Analysis Date..:**	04/02/01		
Prep Batch #...:	1088261	**Analysis Time..:**	12:39		
Dilution Factor:	20	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)	**15000**	**250**		**mg/kg**	**0.0**		**SW846 8015B**
	Qualifiers: NC,MSB						
	15000	**250**		**mg/kg**	**0.0**	**0.0**	**SW846 8015B**
	Qualifiers: NC,MSB						

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	143 *	(60 - 130)
	161 *	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E1C280278	**Work Order #...:**	DX4JH1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1C280296-002		DX4JH1AF-MSD		
Date Sampled...:	03/28/01 08:25	**Date Received..:**	03/28/01 17:10	**MS Run #.....:**	1088247
Prep Date.....:	03/29/01	**Analysis Date..:**	03/29/01		
Prep Batch #...:	1088490	**Analysis Time..:**	10:56		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G16

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**ND**	**5.00**	**4.62**	**mg/kg**	**92**		**SW846 8015B**
	ND	**5.00**	**4.85**	**mg/kg**	**97**	**4.9**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	108	(60 - 130)
	109	(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

GC/MS Volatiles

Client Lot #...:	E1C280278	**Work Order #...:**	DXT291AC-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1C220325-028		DXT291AD-MSD		
Date Sampled...:	03/22/01 08:40	**Date Received..:**	03/22/01 17:45	**MS Run #.....:**	1089226
Prep Date.....:	03/29/01	**Analysis Date..:**	03/29/01		
Prep Batch #...:	1089428	**Analysis Time..:**	23:09		
Dilution Factor:	1	**Analyst ID.....:**	015590	**Instrument ID..:**	MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**106**	**(70 - 140)**			**SW846 8260B**
	100	**(70 - 140)**	**6.1**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**106**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**6.2**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**108**	**(60 - 150)**			**SW846 8260B**
	101	**(60 - 150)**	**7.0**	**(0-30)**	**SW846 8260B**
Toluene	**106**	**(70 - 130)**			**SW846 8260B**
	99	**(70 - 130)**	**6.1**	**(0-30)**	**SW846 8260B**
Trichloroethene	**102**	**(70 - 130)**			**SW846 8260B**
	95	**(70 - 130)**	**6.9**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	106	(70 - 130)
	103	(70 - 130)
1,2-Dichloroethane-d4	96	(60 - 140)
	92	(60 - 140)
Toluene-d8	109	(70 - 130)
	104	(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 #...:	E1C280278	**Work Order #...:**	DX2A81AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1C270192-004		DX2A81AF-MSD		
Date Sampled...:	03/19/01 15:30	**Date Received..:**	03/27/01 10:00	**MS Run #.....:**	1095233
Prep Date.....:	04/02/01	**Analysis Date..:**	04/03/01		
Prep Batch #...:	1095406	**Analysis Time..:**	19:14		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**89**	**(60 - 140)**			**SW846 8260B**
	80	**(60 - 140)**	**11**	**(0-35)**	**SW846 8260B**
Benzene	**87**	**(60 - 130)**			**SW846 8260B**
	80	**(60 - 130)**	**8.9**	**(0-35)**	**SW846 8260B**
Trichloroethene	**90**	**(60 - 140)**			**SW846 8260B**
	83	**(60 - 140)**	**8.3**	**(0-35)**	**SW846 8260B**
Toluene	**80**	**(60 - 130)**			**SW846 8260B**
	74	**(60 - 130)**	**7.8**	**(0-35)**	**SW846 8260B**
Chlorobenzene	**81**	**(60 - 130)**			**SW846 8260B**
	75	**(60 - 130)**	**7.3**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	74	(60 - 140)
	65	(60 - 140)
1,2-Dichloroethane-d4	107	(60 - 140)
	98	(60 - 140)
Toluene-d8	78	(60 - 140)
	72	(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

TOTAL Metals

Client Lot #...: E1C280278 **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:40 **Date Received..:** 03/28/01 15:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1C280278-001 **Prep Batch #...:** 1088235							
Mercury	95	(80 - 120)			SW846 7471A	03/29/01	DX4E61A1
	98	(80 - 120)	2.5	(0-20)	SW846 7471A	03/29/01	DX4E61A2
		Dilution Factor: 1					
		Analysis Time..: 15:33			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1088113					
MS Lot-Sample #: E1C280278-001 **Prep Batch #...:** 1088244							
Aluminum	NC	(80 - 120)			SW846 6010B	03/29/01	DX4E61A3
	NC	(80 - 120)		(0-25)	SW846 6010B	03/29/01	DX4E61A4
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Antimony	27 N	(75 - 115)			SW846 6010B	03/29/01	DX4E61A5
	26 N	(75 - 115)	1.8	(0-25)	SW846 6010B	03/29/01	DX4E61A6
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Arsenic	94	(75 - 115)			SW846 6010B	03/29/01	DX4E61A7
	94	(75 - 115)	0.83	(0-25)	SW846 6010B	03/29/01	DX4E61A8
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Barium	98	(80 - 120)			SW846 6010B	03/29/01	DX4E61A9
	93	(80 - 120)	2.6	(0-25)	SW846 6010B	03/29/01	DX4E61CA
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Beryllium	106	(80 - 120)			SW846 6010B	03/29/01	DX4E61CC
	106	(80 - 120)	0.56	(0-25)	SW846 6010B	03/29/01	DX4E61CD
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Cadmium	103	(80 - 120)			SW846 6010B	03/29/01	DX4E61CE
	101	(80 - 120)	2.0	(0-25)	SW846 6010B	03/29/01	DX4E61CF
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1C280278 **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:40 **Date Received..:** 03/28/01 15:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	100	(85 - 120)			SW846 6010B	03/29/01	DX4E61C5
	104	(85 - 120)	1.3	(0-25)	SW846 6010B	03/29/01	DX4E61C6
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Cobalt	103	(80 - 120)			SW846 6010B	03/29/01	DX4E61CG
	103	(80 - 120)	0.03	(0-25)	SW846 6010B	03/29/01	DX4E61CH
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Copper	117	(80 - 120)			SW846 6010B	03/29/01	DX4E61CJ
	104	(80 - 120)	5.2	(0-25)	SW846 6010B	03/29/01	DX4E61CK
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Lead	95	(80 - 120)			SW846 6010B	03/29/01	DX4E61CL
	94	(80 - 120)	0.84	(0-25)	SW846 6010B	03/29/01	DX4E61CM
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Molybdenum	94	(80 - 120)			SW846 6010B	03/29/01	DX4E61CN
	94	(80 - 120)	0.89	(0-25)	SW846 6010B	03/29/01	DX4E61CP
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Nickel	99	(80 - 120)			SW846 6010B	03/29/01	DX4E61CQ
	98	(80 - 120)	0.29	(0-25)	SW846 6010B	03/29/01	DX4E61CR
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Selenium	89	(70 - 115)			SW846 6010B	03/29/01	DX4E61CT
	88	(70 - 115)	1.2	(0-25)	SW846 6010B	03/29/01	DX4E61CU
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Silver	95	(80 - 120)			SW846 6010B	03/29/01	DX4E61CV
	93	(80 - 120)	2.0	(0-25)	SW846 6010B	03/29/01	DX4E61CW
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1C280278 **Matrix.....:** SOLID
Date Sampled...: 03/27/01 11:40 **Date Received..:** 03/28/01 15:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	96	(75 - 120)			SW846 6010B	03/29/01	DX4E61CX
	95	(75 - 120)	0.72	(0-25)	SW846 6010B	03/29/01	DX4E61C0
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Vanadium	99	(80 - 120)			SW846 6010B	03/29/01	DX4E61C1
	98	(80 - 120)	0.45	(0-25)	SW846 6010B	03/29/01	DX4E61C2
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					
Zinc	103	(80 - 120)			SW846 6010B	03/29/01	DX4E61C3
	102	(80 - 120)	0.36	(0-25)	SW846 6010B	03/29/01	DX4E61C4
		Dilution Factor: 1					
		Analysis Time..: 23:08			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1088122					

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 Semivolatiles

Client Lot #...:	E1C280278	**Work Order #...:**	DX4E61C7-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1C280278-001		DX4E61C8-MSD		
Date Sampled...:	03/27/01 11:40	**Date Received..:**	03/28/01 15:40	**MS Run #.....:**	1088136
Prep Date.....:	03/29/01	**Analysis Date..:**	04/02/01		
Prep Batch #...:	1088261	**Analysis Time..:**	12:39		
Dilution Factor:	20	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**0.0 NC,MS**	**(60 - 130)**			**SW846 8015B**
	0.0 NC,MS	**(60 - 130)**	**0.0**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	143 *	(60 - 130)
	161 *	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	E1C280278	**Work Order #...:**	DX4JH1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1C280296-002		DX4JH1AF-MSD		
Date Sampled...:	03/28/01 08:25	**Date Received..:**	03/28/01 17:10	**MS Run #.....:**	1088247
Prep Date.....:	03/29/01	**Analysis Date..:**	03/29/01		
Prep Batch #...:	1088490	**Analysis Time..:**	10:56		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**92**	**(80 - 140)**			**SW846 8015B**
	97	**(80 - 140)**	**4.9**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	108	(60 - 130)
	109	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters