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 28, 2001

STL LOT NUMBER: E1D230167
PO/CONTRACT: PO/CONTRACT: 05160-SEV002-00-S56

Bob Logan
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Logan,

This report contains the analytical results for the 10 samples received under chain of custody by STL Los Angeles on April 23, 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

000042

This report contains _____ pages.

000001

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	4-18-01	051861

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
2151 Michelson Dr. Suite 100	949-261-1577		

City	State	Zip Code	Site Contact	Lab Contact
~~Bake~~ Irvine	CA.	92612	Shane Scrimshire	

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

Contract/Purchase Order/Quote No.

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	SPISCC/TPH	Special Instructions/ Conditions of Receipt
Build-1-M-14-041801-1	4-18-01	1345				X	X						X	Please run 8270/
Build-1-M-14-041801-2		1355				X	X						X	SVOC if TPH is
Build-1-M-13-041801-1		1405				X	X						X	detected
Build-1-M-13-041801-2		1410				X	X						X	
Build-1-M-12-041801-1		1420				X	X						X	
Build-1-M-12-041801-2		1425				X	X						X	
Build-1-M-11-041901-1	4-19-01	0710				X	X						X	
Build-1-M-11-041901-2		0715				X	X						X	
Build-1-M-10-041901-1		0730				X	X						X	
Build-1-M-10-041901-2		0740				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 lee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: 5 day ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By [signature]	4-23-01	1310	1. Received By [signature]	4-23-01	1310
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

BOE-C6-0122338

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 04/23/01

Quantims Lot #: ED230167
Quote #:
Client Name: Kennedy Jenks
Project: Boeing C-1
Received by: MH
Date/Time Received: 04/23/01 @ 1310
Delivered by : [x] Client [ ] Airborne [ ] Fed Ex [ ] DHL [ ] Ultra-Ex [ ] Rey B.
[ ] UPS [ ] DES [ ] Other

Initial / Date

Custody Seal Status: [x] Intact [ ] Broken [ ] None ..... AB 04/23/01
Custody Seal #(s): [ ] No Seal # .....
Sample Container(s): [ ] STL-LA [x] Client [ ] N/A .....
Temperature(s) (COOLER/BLANK) in °C: 6°C (CORRECTED TEMP).....
Thermometer Used : [x] IR (Infra-red) [ ] Digital (Probe) .....
Samples: [x] Intact [ ] Broken [ ] Other .....
Anomalies: [x] No [ ] Yes (See Clouseau) .....
Labeled by .....
Labeling checked by .....

Turn Around Time: [ ] RUSH–24HR [ ] RUSH–48HR [ ] RUSH–72HR [x] NORMAL .....
Short-Hold Notification: [ ] Ph [ ] Wet Chem [ ] Metals (Filter/Pres). [ ] Encore [x] N/A ...
Outside Analysis(es) (Test/Lab/Date Sent Out) :

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

Fraction	1→10										PH
VOAh /*											N/A
Skeee	1										

h:HCl na:Sodium Hydoxide zna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/f/l:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA

*** Number of VOA's w/ Headspace present**

LOGGED BY/DATE: AB 04/23/01 REVIEWED BY/DATE:

PRC Ver. 5 030200 KRF

000003

BOE-C6-0122339

EXECUTIVE SUMMARY - Detection Highlights

E1D230167

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BUILD_1_M_14_041801_1 04/18/01 13:45	**001**			
C10-C11	740	200	mg/kg	SW846 8015B
C12-C13	3800	200	mg/kg	SW846 8015B
C14-C15	5400	200	mg/kg	SW846 8015B
C16-C17	3600	200	mg/kg	SW846 8015B
C18-C19	2200	200	mg/kg	SW846 8015B
C20-C23	1200	200	mg/kg	SW846 8015B
C24-C27	770	200	mg/kg	SW846 8015B
C28-C31	940	200	mg/kg	SW846 8015B
C32-C35	1200	200	mg/kg	SW846 8015B
C36-C39	1100	200	mg/kg	SW846 8015B
C40+	1800	200	mg/kg	SW846 8015B
Total Carbon Chain Range	23000	200	mg/kg	SW846 8015B
BUILD_1_M_14_041801_2 04/18/01 13:55	**002**			
C10-C11	310	100	mg/kg	SW846 8015B
C12-C13	1500	100	mg/kg	SW846 8015B
C14-C15	1900	100	mg/kg	SW846 8015B
C16-C17	1200	100	mg/kg	SW846 8015B
C18-C19	780	100	mg/kg	SW846 8015B
C20-C23	480	100	mg/kg	SW846 8015B
C24-C27	350	100	mg/kg	SW846 8015B
C28-C31	380	100	mg/kg	SW846 8015B
C32-C35	460	100	mg/kg	SW846 8015B
C36-C39	360	100	mg/kg	SW846 8015B
C40+	780	100	mg/kg	SW846 8015B
Total Carbon Chain Range	8500	100	mg/kg	SW846 8015B
BUILD_1_M_13_041801_1 04/18/01 14:05	**003**			
C10-C11	75 J	100	mg/kg	SW846 8015B
C12-C13	420	100	mg/kg	SW846 8015B
C14-C15	710	100	mg/kg	SW846 8015B
C16-C17	620	100	mg/kg	SW846 8015B
C18-C19	400	100	mg/kg	SW846 8015B
C20-C23	340	100	mg/kg	SW846 8015B
C24-C27	350	100	mg/kg	SW846 8015B
C28-C31	410	100	mg/kg	SW846 8015B
C32-C35	410	100	mg/kg	SW846 8015B
C36-C39	430	100	mg/kg	SW846 8015B
C40+	650	100	mg/kg	SW846 8015B
Total Carbon Chain Range	4800	100	mg/kg	SW846 8015B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1D230167

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BUILD_1_M_12_041801_1 04/18/01 14:20	**005**			
C10-C11	250	200	mg/kg	SW846 8015B
C12-C13	1100	200	mg/kg	SW846 8015B
C14-C15	1500	200	mg/kg	SW846 8015B
C16-C17	1300	200	mg/kg	SW846 8015B
C18-C19	760	200	mg/kg	SW846 8015B
C20-C23	630	200	mg/kg	SW846 8015B
C24-C27	340	200	mg/kg	SW846 8015B
C28-C31	240	200	mg/kg	SW846 8015B
C32-C35	250	200	mg/kg	SW846 8015B
C36-C39	310	200	mg/kg	SW846 8015B
Total Carbon Chain Range	6700	200	mg/kg	SW846 8015B
BUILD_1_M_12_041801_2 04/18/01 14:25	**006**			
C10-C11	230	100	mg/kg	SW846 8015B
C12-C13	1100	100	mg/kg	SW846 8015B
C14-C15	1600	100	mg/kg	SW846 8015B
C16-C17	1100	100	mg/kg	SW846 8015B
C18-C19	630	100	mg/kg	SW846 8015B
C20-C23	420	100	mg/kg	SW846 8015B
C24-C27	280	100	mg/kg	SW846 8015B
C28-C31	280	100	mg/kg	SW846 8015B
C32-C35	330	100	mg/kg	SW846 8015B
C36-C39	410	100	mg/kg	SW846 8015B
C40+	370	100	mg/kg	SW846 8015B
Total Carbon Chain Range	6700	100	mg/kg	SW846 8015B
BUILD_1_M_10_041901_1 04/19/01 07:30	**009**			
C10-C11	210	100	mg/kg	SW846 8015B
C12-C13	970	100	mg/kg	SW846 8015B
C14-C15	1500	100	mg/kg	SW846 8015B
C16-C17	1100	100	mg/kg	SW846 8015B
C18-C19	840	100	mg/kg	SW846 8015B
C20-C23	870	100	mg/kg	SW846 8015B
C24-C27	440	100	mg/kg	SW846 8015B
C28-C31	250	100	mg/kg	SW846 8015B
C32-C35	180	100	mg/kg	SW846 8015B
C36-C39	230	100	mg/kg	SW846 8015B
C40+	330	100	mg/kg	SW846 8015B
Total Carbon Chain Range	6900	100	mg/kg	SW846 8015B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1D230167

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BUILD_1_M_10_041901_2 04/19/01 07:40	**010**			
C10-C11	200	100	mg/kg	SW846 8015B
C12-C13	770	100	mg/kg	SW846 8015B
C14-C15	1100	100	mg/kg	SW846 8015B
C16-C17	910	100	mg/kg	SW846 8015B
C18-C19	610	100	mg/kg	SW846 8015B
C20-C23	540	100	mg/kg	SW846 8015B
C24-C27	270	100	mg/kg	SW846 8015B
C28-C31	190	100	mg/kg	SW846 8015B
C32-C35	170	100	mg/kg	SW846 8015B
C36-C39	280	100	mg/kg	SW846 8015B
C40+	260	100	mg/kg	SW846 8015B
Total Carbon Chain Range	5300	100	mg/kg	SW846 8015B

METHODS SUMMARY

E1D230167

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

E1D230167

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EA8LT	001	BUILD_1_M_14_041801_1	04/18/01	13:45
EA8LX	002	BUILD_1_M_14_041801_2	04/18/01	13:55
EA8L0	003	BUILD_1_M_13_041801_1	04/18/01	14:05
EA8L2	004	BUILD_1_M_13_041801_2	04/18/01	14:10
EA8L3	005	BUILD_1_M_12_041801_1	04/18/01	14:20
EA8L4	006	BUILD_1_M_12_041801_2	04/18/01	14:25
EA8L5	007	BUILD_1_M_11_041901_1	04/19/01	07:10
EA8L6	008	BUILD_1_M_11_041901_2	04/19/01	07:15
EA8L8	009	BUILD_1_M_10_041901_1	04/19/01	07:30
EA8L9	010	BUILD_1_M_10_041901_2	04/19/01	07:40

NOTE(S):

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_14_041801_1

GC Semivolatiles

Lot-Sample #...:	E1D230167-001	**Work Order #...:**	EA8LT1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/18/01 13:45	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	1114151
Prep Date.....:	04/24/01	**Analysis Date..:**	04/25/01		
Prep Batch #...:	1114281	**Analysis Time..:**	20:20		
Dilution Factor:	20				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	200	mg/kg	100
C10-C11	**740**	**200**	**mg/kg**	**100**
C12-C13	**3800**	**200**	**mg/kg**	**100**
C14-C15	**5400**	**200**	**mg/kg**	**100**
C16-C17	**3600**	**200**	**mg/kg**	**100**
C18-C19	**2200**	**200**	**mg/kg**	**100**
C20-C23	**1200**	**200**	**mg/kg**	**100**
C24-C27	**770**	**200**	**mg/kg**	**100**
C28-C31	**940**	**200**	**mg/kg**	**100**
C32-C35	**1200**	**200**	**mg/kg**	**100**
C36-C39	**1100**	**200**	**mg/kg**	**100**
C40+	**1800**	**200**	**mg/kg**	**100**
Total Carbon Chain Range	**23000**	**200**	**mg/kg**	**100**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	200 I,*	(60 - 130)

NOTE(S):

I Matrix interference.

* Surrogate recovery is outside stated control limits.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_14_041801_1

GC Volatiles

Lot-Sample #...:	E1D230167-001	**Work Order #...:**	EA8LT1AC	**Matrix.....:**	SOLID
Date Sampled...:	04/18/01 13:45	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	
Prep Date.....:	04/23/01	**Analysis Date..:**	04/24/01		
Prep Batch #...:	1114490	**Analysis Time..:**	14:31		
Dilution Factor:	4				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND G	40	mg/kg	24

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	101	(60 - 130)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_14_041801_2

GC Semivolatiles

Lot-Sample #...:	E1D230167-002	Work Order #...:	EA8LX1AA	Matrix.....:	SOLID
Date Sampled...:	04/18/01 13:55	Date Received..:	04/23/01 13:10	MS Run #.....:	1114151
Prep Date.....:	04/24/01	Analysis Date..:	04/25/01		
Prep Batch #...:	1114281	Analysis Time..:	20:59		
Dilution Factor:	10				
Analyst ID.....:	356074	Instrument ID..:	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	100	mg/kg	50
C10-C11	310	100	mg/kg	50
C12-C13	1500	100	mg/kg	50
C14-C15	1900	100	mg/kg	50
C16-C17	1200	100	mg/kg	50
C18-C19	780	100	mg/kg	50
C20-C23	480	100	mg/kg	50
C24-C27	350	100	mg/kg	50
C28-C31	380	100	mg/kg	50
C32-C35	460	100	mg/kg	50
C36-C39	360	100	mg/kg	50
C40+	780	100	mg/kg	50
Total Carbon Chain Range	8500	100	mg/kg	50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	151 I,*	(60 - 130)

NOTE(S):

I Matrix interference.

* Surrogate recovery is outside stated control limits.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_14_041801_2

GC Volatiles

Lot-Sample #...:	E1D230167-002	**Work Order #...:**	EA8LX1AC	**Matrix.....:**	SOLID
Date Sampled...:	04/18/01 13:55	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	
Prep Date.....:	04/23/01	**Analysis Date..:**	04/24/01		
Prep Batch #...:	1114490	**Analysis Time..:**	12:37		
Dilution Factor:	2				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND G	20	mg/kg	12

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(60 - 130)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_13_041801_1

GC Semivolatiles

Lot-Sample #...:	E1D230167-003	**Work Order #...:**	EA8L01AA	**Matrix.....:**	SOLID
Date Sampled...:	04/18/01 14:05	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	1114151
Prep Date.....:	04/24/01	**Analysis Date..:**	04/25/01		
Prep Batch #...:	1114281	**Analysis Time..:**	23:36		
Dilution Factor:	10				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	100	mg/kg	50
C10-C11	**75 J**	**100**	**mg/kg**	**50**
C12-C13	**420**	**100**	**mg/kg**	**50**
C14-C15	**710**	**100**	**mg/kg**	**50**
C16-C17	**620**	**100**	**mg/kg**	**50**
C18-C19	**400**	**100**	**mg/kg**	**50**
C20-C23	**340**	**100**	**mg/kg**	**50**
C24-C27	**350**	**100**	**mg/kg**	**50**
C28-C31	**410**	**100**	**mg/kg**	**50**
C32-C35	**410**	**100**	**mg/kg**	**50**
C36-C39	**430**	**100**	**mg/kg**	**50**
C40+	**650**	**100**	**mg/kg**	**50**
Total Carbon Chain Range	**4800**	**100**	**mg/kg**	**50**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	125	(60 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_13_041801_1

GC Volatiles

Lot-Sample #...:	E1D230167-003	**Work Order #...:**	EA8L01AC	**Matrix.....:**	SOLID
Date Sampled...:	04/18/01 14:05	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	
Prep Date.....:	04/23/01	**Analysis Date..:**	04/24/01		
Prep Batch #...:	1114490	**Analysis Time..:**	11:40		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	77	(60 - 130)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_13_041801_2

GC Semivolatiles

Lot-Sample #...: E1D230167-004 **Work Order #...:** EA8L21AA **Matrix.....:** SOLID
Date Sampled...: 04/18/01 14:10 **Date Received..:** 04/23/01 13:10 **MS Run #.....:** 1114151
Prep Date.....: 04/24/01 **Analysis Date..:** 04/25/01
Prep Batch #...: 1114281 **Analysis Time..:** 16:26
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	76	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_13_041801_2

GC Volatiles

Lot-Sample #...:	E1D230167-004	**Work Order #...:**	EA8L21AC	**Matrix.....:**	SOLID
Date Sampled...:	04/18/01 14:10	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	1114264
Prep Date.....:	04/23/01	**Analysis Date..:**	04/23/01		
Prep Batch #...:	1114488	**Analysis Time..:**	17:44		
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_1_M_12_041801_1

GC Semivolatiles

Lot-Sample #...:	E1D230167-005	**Work Order #...:**	EA8L31AA	**Matrix.....:**	SOLID
Date Sampled...:	04/18/01 14:20	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	1114151
Prep Date.....:	04/24/01	**Analysis Date..:**	04/26/01		
Prep Batch #...:	1114281	**Analysis Time..:**	00:15		
Dilution Factor:	20				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	200	mg/kg	100
C10-C11	**250**	**200**	**mg/kg**	**100**
C12-C13	**1100**	**200**	**mg/kg**	**100**
C14-C15	**1500**	**200**	**mg/kg**	**100**
C16-C17	**1300**	**200**	**mg/kg**	**100**
C18-C19	**760**	**200**	**mg/kg**	**100**
C20-C23	**630**	**200**	**mg/kg**	**100**
C24-C27	**340**	**200**	**mg/kg**	**100**
C28-C31	**240**	**200**	**mg/kg**	**100**
C32-C35	**250**	**200**	**mg/kg**	**100**
C36-C39	**310**	**200**	**mg/kg**	**100**
C40+	ND	200	mg/kg	100
Total Carbon Chain Range	**6700**	**200**	**mg/kg**	**100**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	166 I,*	(60 - 130)

NOTE(S):

* Surrogate recovery is outside stated control limits.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_12_041801_1

GC Volatiles

Lot-Sample #...:	E1D230167-005	**Work Order #...:**	EA8L31AC	**Matrix.....:**	SOLID
Date Sampled...:	04/18/01 14:20	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	
Prep Date.....:	04/23/01	**Analysis Date..:**	04/24/01		
Prep Batch #...:	1114490	**Analysis Time..:**	13:06		
Dilution Factor:	2				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND G	20	mg/kg	12

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	106	(60 - 130)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_12_041801_2

GC Semivolatiles

Lot-Sample #...:	E1D230167-006	**Work Order #...:**	EA8L41AA	**Matrix.....:**	SOLID
Date Sampled...:	04/18/01 14:25	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	1114151
Prep Date.....:	04/24/01	**Analysis Date..:**	04/26/01		
Prep Batch #...:	1114281	**Analysis Time..:**	00:54		
Dilution Factor:	10				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	100	mg/kg	50
C10-C11	**230**	**100**	**mg/kg**	**50**
C12-C13	**1100**	**100**	**mg/kg**	**50**
C14-C15	**1600**	**100**	**mg/kg**	**50**
C16-C17	**1100**	**100**	**mg/kg**	**50**
C18-C19	**630**	**100**	**mg/kg**	**50**
C20-C23	**420**	**100**	**mg/kg**	**50**
C24-C27	**280**	**100**	**mg/kg**	**50**
C28-C31	**280**	**100**	**mg/kg**	**50**
C32-C35	**330**	**100**	**mg/kg**	**50**
C36-C39	**410**	**100**	**mg/kg**	**50**
C40+	**370**	**100**	**mg/kg**	**50**
Total Carbon Chain Range	**6700**	**100**	**mg/kg**	**50**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	139 I,*	(60 - 130)

NOTE(S):

I Matrix interference.

* Surrogate recovery is outside stated control limits.

000013

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_12_041801_2

GC Volatiles

Lot-Sample #...:	E1D230167-006	**Work Order #...:**	EA8L41AC	**Matrix.....:**	SOLID
Date Sampled...:	04/18/01 14:25	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	
Prep Date.....:	04/23/01	**Analysis Date..:**	04/24/01		
Prep Batch #...:	1114490	**Analysis Time..:**	12:09		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	87	(60 - 130)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

000520

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_11_041901_1

GC Semivolatiles

Lot-Sample #...: E1D230167-007 **Work Order #...:** EA8L51AA **Matrix.....:** SOLID
Date Sampled...: 04/19/01 07:10 **Date Received..:** 04/23/01 13:10 **MS Run #.....:** 1114151
Prep Date.....: 04/24/01 **Analysis Date..:** 04/25/01
Prep Batch #...: 1114281 **Analysis Time..:** 17:05
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	81	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_11_041901_1

GC Volatiles

Lot-Sample #...:	E1D230167-007	**Work Order #...:**	EA8L51AC	**Matrix.....:**	SOLID
Date Sampled...:	04/19/01 07:10	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	1114264
Prep Date.....:	04/23/01	**Analysis Date..:**	04/24/01		
Prep Batch #...:	1114488	**Analysis Time..:**	11:08		
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_1_M_11_041901_2

GC Semivolatiles

Lot-Sample #...: E1D230167-008 **Work Order #...:** EA8L61AA **Matrix.....:** SOLID
Date Sampled...: 04/19/01 07:15 **Date Received..:** 04/23/01 13:10 **MS Run #.....:** 1114151
Prep Date.....: 04/24/01 **Analysis Date..:** 04/25/01
Prep Batch #...: 1114281 **Analysis Time..:** 17:44
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_1_M_11_041901_2

GC Volatiles

Lot-Sample #...:	E1D230167-008	**Work Order #...:**	EA8L61AC	**Matrix.....:**	SOLID
Date Sampled...:	04/19/01 07:15	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	1114264
Prep Date.....:	04/23/01	**Analysis Date..:**	04/23/01		
Prep Batch #...:	1114488	**Analysis Time..:**	18:12		
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_1_M_10_041901_1

GC Semivolatiles

Lot-Sample #...:	E1D230167-009	**Work Order #...:**	EA8L81AA	**Matrix.....:**	SOLID
Date Sampled...:	04/19/01 07:30	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	1114151
Prep Date.....:	04/24/01	**Analysis Date..:**	04/26/01		
Prep Batch #...:	1114281	**Analysis Time..:**	01:33		
Dilution Factor:	10				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	100	mg/kg	50
C10-C11	**210**	**100**	**mg/kg**	**50**
C12-C13	**970**	**100**	**mg/kg**	**50**
C14-C15	**1500**	**100**	**mg/kg**	**50**
C16-C17	**1100**	**100**	**mg/kg**	**50**
C18-C19	**840**	**100**	**mg/kg**	**50**
C20-C23	**870**	**100**	**mg/kg**	**50**
C24-C27	**440**	**100**	**mg/kg**	**50**
C28-C31	**250**	**100**	**mg/kg**	**50**
C32-C35	**180**	**100**	**mg/kg**	**50**
C36-C39	**230**	**100**	**mg/kg**	**50**
C40+	**330**	**100**	**mg/kg**	**50**
Total Carbon Chain Range	**6900**	**100**	**mg/kg**	**50**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	146 I,*	(60 - 130)

NOTE(S):

I Matrix interference.

* Surrogate recovery is outside stated control limits.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_10_041901_1

GC Volatiles

Lot-Sample #...:	E1D230167-009	**Work Order #...:**	EA8L81AC	**Matrix.....:**	SOLID
Date Sampled...:	04/19/01 07:30	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	
Prep Date.....:	04/23/01	**Analysis Date..:**	04/24/01		
Prep Batch #...:	1114490	**Analysis Time..:**	13:34		
Dilution Factor:	2				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND G	20	mg/kg	12

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(60 - 130)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_10_041901_2

GC Semivolatiles

Lot-Sample #...:	E1D230167-010	**Work Order #...:**	EA8L91AA	**Matrix.....:**	SOLID
Date Sampled...:	04/19/01 07:40	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	1114151
Prep Date.....:	04/24/01	**Analysis Date..:**	04/26/01		
Prep Batch #...:	1114281	**Analysis Time..:**	02:12		
Dilution Factor:	10				
Analyst ID.....:	356074	**Instrument ID..:**	G03		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	100	mg/kg	50
C10-C11	**200**	**100**	**mg/kg**	**50**
C12-C13	**770**	**100**	**mg/kg**	**50**
C14-C15	**1100**	**100**	**mg/kg**	**50**
C16-C17	**910**	**100**	**mg/kg**	**50**
C18-C19	**610**	**100**	**mg/kg**	**50**
C20-C23	**540**	**100**	**mg/kg**	**50**
C24-C27	**270**	**100**	**mg/kg**	**50**
C28-C31	**190**	**100**	**mg/kg**	**50**
C32-C35	**170**	**100**	**mg/kg**	**50**
C36-C39	**280**	**100**	**mg/kg**	**50**
C40+	**260**	**100**	**mg/kg**	**50**
Total Carbon Chain Range	**5300**	**100**	**mg/kg**	**50**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	115	(60 - 130)

000527

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_1_M_10_041901_2

GC Volatiles

Lot-Sample #...:	E1D230167-010	**Work Order #...:**	EA8L91AC	**Matrix.....:**	SOLID
Date Sampled...:	04/19/01 07:40	**Date Received..:**	04/23/01 13:10	**MS Run #.....:**	
Prep Date.....:	04/23/01	**Analysis Date..:**	04/24/01		
Prep Batch #...:	1114490	**Analysis Time..:**	14:02		
Dilution Factor:	2				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND G	20	mg/kg	12

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

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

E1D230167

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		1114281	1114151
	SOLID	SW846 8015B		1114490	
002	SOLID	SW846 8015B		1114281	1114151
	SOLID	SW846 8015B		1114490	
003	SOLID	SW846 8015B		1114281	1114151
	SOLID	SW846 8015B		1114490	
004	SOLID	SW846 8015B		1114281	1114151
	SOLID	SW846 8015B		1114488	1114264
005	SOLID	SW846 8015B		1114281	1114151
	SOLID	SW846 8015B		1114490	
006	SOLID	SW846 8015B		1114281	1114151
	SOLID	SW846 8015B		1114490	
007	SOLID	SW846 8015B		1114281	1114151
	SOLID	SW846 8015B		1114488	1114264
008	SOLID	SW846 8015B		1114281	1114151
	SOLID	SW846 8015B		1114488	1114264
009	SOLID	SW846 8015B		1114281	1114151
	SOLID	SW846 8015B		1114490	
010	SOLID	SW846 8015B		1114281	1114151
	SOLID	SW846 8015B		1114490	

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1D230167
MB Lot-Sample #: E1D240000-281

Analysis Date..: 04/25/01
Dilution Factor: 1

Work Order #...: EA9J01AA

Prep Date.....: 04/24/01
Prep Batch #...: 1114281

Analyst ID.....: 356074

Matrix.....: SOLID

Analysis Time..: 15:08
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	88	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1D230167
MB Lot-Sample #: E1D240000-488

Analysis Date..: 04/23/01
Dilution Factor: 1

Work Order #...: ECAAX1AA

Prep Date.....: 04/23/01
Prep Batch #...: 1114488

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 12:58
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)	92	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1D230167
MB Lot-Sample #: E1D240000-490

Analysis Date..: 04/23/01
Dilution Factor: 1

Work Order #...: ECAA21AA

Prep Date.....: 04/23/01
Prep Batch #...: 1114490

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 20:35
Instrument ID..: G16

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

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

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E1D230167 **Work Order #...:** ECAA21AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E1D240000-490 ECAA21AD-LCSD
Prep Date.....: 04/23/01 **Analysis Date..:** 04/23/01
Prep Batch #...: 1114490 **Analysis Time..:** 19:38
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**50.0**	**60.0**	**mg/kg**	**120**		**SW846 8015B**
	50.0	**58.8**	**mg/kg**	**118**	**2.0**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene **(TFT)**	129	(60 - 130)
	129	(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 #...: E1D230167
LCS Lot-Sample#: E1D240000-490
Prep Date.....: 04/23/01
Prep Batch #...: 1114490
Dilution Factor: 1
Analyst ID.....: 001464

Work Order #...: ECAA21AC-LCS
ECAA21AD-LCSD
Analysis Date..: 04/23/01
Analysis Time..: 19:38
Instrument ID..: G16

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**120**	**(80 - 140)**			**SW846 8015B**
	118	**(80 - 140)**	**2.0**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene **(TFT)**	129	(60 - 130)
	129	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E1D230167 **Work Order #...:** EA9J01AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1D240000-281
Prep Date.....: 04/24/01 **Analysis Date..:** 04/25/01
Prep Batch #...: 1114281 **Analysis Time..:** 15:47
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**216**	**mg/kg**	**86**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	90	(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 #...: E1D230167 **Work Order #...:** ECAAX1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1D240000-488
Prep Date.....: 04/23/01 **Analysis Date..:** 04/23/01
Prep Batch #...: 1114488 **Analysis Time..:** 12:29
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**5.55**	**mg/kg**	**111**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	123	(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 Semivolatiles

Client Lot #...: E1D230167 **Work Order #...:** EA9J01AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1D240000-281
Prep Date.....: 04/24/01 **Analysis Date..:** 04/25/01
Prep Batch #...: 1114281 **Analysis Time..:** 15:47
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**86**	**(60 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	90	(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 #...: E1D230167 **Work Order #...:** ECAAX1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1D240000-488
Prep Date.....: 04/23/01 **Analysis Date..:** 04/23/01
Prep Batch #...: 1114488 **Analysis Time..:** 12:29
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**111**	**(80 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	123	(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 DATA REPORT

GC Volatiles

Client Lot #...:	E1D230167	**Work Order #...:**	EA6201AF-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1D200330-007		EA6201AG-MSD		
Date Sampled...:	04/20/01 08:45	**Date Received..:**	04/20/01 17:00	**MS Run #.....:**	1114264
Prep Date.....:	04/23/01	**Analysis Date..:**	04/23/01		
Prep Batch #...:	1114488	**Analysis Time..:**	16:47		
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**	**6.04**	**mg/kg**	**121**		**SW846 8015B**
	ND	**5.00**	**5.81**	**mg/kg**	**116**	**4.0**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	115	(60 - 130)
	115	(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 DATA REPORT

GC Semivolatiles

Client Lot #...:	E1D230167	**Work Order #...:**	EA8RW1AG-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1D230180-017		EA8RW1AH-MSD		
Date Sampled...:	04/23/01 14:35	**Date Received..:**	04/23/01 16:55	**MS Run #.....:**	1114151
Prep Date.....:	04/24/01	**Analysis Date..:**	04/25/01		
Prep Batch #...:	1114281	**Analysis Time..:**	19:02		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)	**ND**	**250**	**175**	**mg/kg**	**70**		**SW846 8015B**
	ND	**250**	**229**	**mg/kg**	**92**	**27**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	72	(60 - 130)
	97	(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 Volatiles

Client Lot #...:	E1D230167	**Work Order #...:**	EA6201AF-MS EA6201AG-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1D200330-007				
Date Sampled...:	04/20/01 08:45	**Date Received..:**	04/20/01 17:00	**MS Run #.....:**	1114264
Prep Date.....:	04/23/01	**Analysis Date..:**	04/23/01		
Prep Batch #...:	1114488	**Analysis Time..:**	16:47		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**121**	**(80 - 140)**			**SW846 8015B**
	116	**(80 - 140)**	**4.0**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	115	(60 - 130)
	115	(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 Semivolatiles

Client Lot #...:	E1D230167	**Work Order #...:**	EA8RW1AG-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1D230180-017		EA8RW1AH-MSD		
Date Sampled...:	04/23/01 14:35	**Date Received..:**	04/23/01 16:55	**MS Run #.....:**	1114151
Prep Date.....:	04/24/01	**Analysis Date..:**	04/25/01		
Prep Batch #...:	1114281	**Analysis Time..:**	19:02		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**70**	**(60 - 130)**			**SW846 8015B**
	92	**(60 - 130)**	**27**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	72	(60 - 130)
	97	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters