SEVERN TRENT SERVICES

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

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

May 24, 2001

STL LOT NUMBER: **E1E180310**
NELAC Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002-00-S56

Bob Logan
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 10
Irvine, CA 92612

Dear Mr. Logan,

This report contains the analytical results for the two samples received under chain of custody by Severn Trent Laboratories (STL Los Angeles) on May 18, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celcius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed in our facility meet all the requirements of NELAC. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 7142588610 ext 309.

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

000037

This report contains _____ pages.

ACCREDITED IN ACCORDANCE WITH nelac

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: Kennedy / Jenks	Project Manager: Jay Knight / Bob Logan	Date: 5-17-01	Chain of Custody Number: 052423
Address: 2151 Michelson Dr, Ste 100	Telephone Number (Area Code)/Fax Number:	Lab Number:	Page ____ of ____
City: Irvine; State: CA; Zip Code: 92612	Site Contact:	Lab Contact:	
Project Name and Location (State): Boeing C-6	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 004032.01			

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	Analysis: VOCs	TPH	*SVOCs + PAHs	Special Instructions/ Conditions of Receipt
2BB-36-9-50	5-17-01	1558				✓							X	X		
2BB-36-9-60	"	1608				✓							X	X		

Analysis (Attach list if more space is needed)

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 5-day

QC Requirements (Specify): *run SVOCs + PAHs on sample with highest TPH in each boring

1. Relinquished By: Jay Knight	Date: 5-18-01	Time: 0735	1. Received By: [illegible]	Date: 5/18/01	Time: 0735
2. Relinquished By: [illegible]	Date: 5-18-01	Time: 1800	2. Received By: [illegible]	Date: 5/18/01	Time: 18:00
3. Relinquished By: [illegible]	Date: 5/18/01	Time: 1647	3. Received By: [illegible]	Date: 5-18-01	Time: 1647

Comments:

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

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BOE-C6-0122694

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 5/18/01

Quantims Lot #: E1E180310
Quote #: 38629
Client Name: Kennedy Jenks
Project: Boeing C6
Received by: Pacolla
Date/Time Received: 5/18/01 18:00

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

Initial / Date

Custody Seal Status: ☐Intact ☐Broken ☒None ..... AR 5/18/01
Custody Seal #(s): ☒No Seal # .....
Sample Container(s): ☒STL-LA ☒Client ☐N/A .....
Temperature(s) (COOLER/BLANK) in °C: 6°C (CORRECTED TEMP).....
Thermometer Used : ☒IR (Infra-red) ☐Digital (Probe) .....
Samples: ☒Intact ☐Broken ☐Other .....
Anomalies: ☒No ☐Yes (See Clouseau) .....
Labeled by ..... AR
Labeling checked by .....

Turn Around Time: ☐RUSH-24HR ☐RUSH-48HR ☐RUSH-72HR ☒NORMAL ..... 5 days
Short-Hold Notification: ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☒N/A ...
Outside Analysis(es) (Test/Lab/Date Sent Out) : none.

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

Fraction	1, 2										PH
VOAh /*											N/A
Sleeve	1										

h:HCl nn:Sodium Hydroxide znna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/lf: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: Pacolla 5/18/01 REVIEWED BY/DATE: [illegible] 5-21-01

PRC Ver. 5 030200 KAF

QA/AC/STL/Project/Sample Control Forms

000003

EXECUTIVE SUMMARY - Detection Highlights

E1E180310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
2BB_36_9_50 05/17/01 15:58 001				
C6-C8	1.3	1.0	mg/kg	SW846 8015B
1,1-Dichloroethene	16	5.0	ug/kg	SW846 8260B
Methylene chloride	7.5	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	30	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	12	5.0	ug/kg	SW846 8260B
Chloroform	3.8 J	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	150	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	45	5.0	ug/kg	SW846 8260B
Trichloroethene	94	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	120	25	ug/kg	SW846 8260B
Toluene	2.4 J	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	20	5.0	ug/kg	SW846 8260B
2BB_36_9_60 05/17/01 16:08 002				
C6-C8	16	1.0	mg/kg	SW846 8015B
1,1-Dichloroethene	520	250	ug/kg	SW846 8260B
1,1-Dichloroethane	180 J	250	ug/kg	SW846 8260B
2-Butanone	2700	1200	ug/kg	SW846 8260B
1,1,1-Trichloroethane	1700	250	ug/kg	SW846 8260B
1,2-Dichloroethane	150 J	250	ug/kg	SW846 8260B
Trichloroethene	670	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	440 J	1200	ug/kg	SW846 8260B
Toluene	510	250	ug/kg	SW846 8260B

METHODS SUMMARY

E1E180310

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

E1E180310

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EDMFC	001	2BB_36_9_50	05/17/01	15:58
EDMFD	002	2BB_36_9_60	05/17/01	16:08

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: 2BB_36_9_50

GC Semivolatiles

Lot-Sample #...: E1E180310-001 **Work Order #...:** EDMFC1AC **Matrix.....:** SOLID
Date Sampled...: 05/17/01 15:58 **Date Received..:** 05/18/01 18:00 **MS Run #.....:** 1141266
Prep Date.....: 05/21/01 **Analysis Date..:** 05/24/01
Prep Batch #...: 1141505 **Analysis Time..:** 03:58
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	91	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_50

GC Volatiles

Lot-Sample #...:	E1E180310-001	**Work Order #...:**	EDMFC1AD	**Matrix.....:**	SOLID
Date Sampled...:	05/17/01 15:58	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1141292
Prep Date.....:	05/19/01	**Analysis Date..:**	05/19/01		
Prep Batch #...:	1141542	**Analysis Time..:**	09:56		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G15		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	**1.3**	**1.0**	**mg/kg**	**0.10**

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

NOTE(S):

Unknown peaks were detected.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_50

GC/MS Volatiles

Lot-Sample #...: E1E180310-001 **Work Order #...:** EDMFC1AA **Matrix.....:** SOLID
Date Sampled...: 05/17/01 15:58 **Date Received..:** 05/18/01 18:00 **MS Run #.....:** 1142191
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142341 **Analysis Time..:** 14:15
Dilution Factor: 1
Analyst ID.....: 004648 **Instrument ID..:** MSD
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	**16**	**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	**7.5**	**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	**30**	**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	**12**	**5.0**	**ug/kg**	**2.0**
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	**3.8 J**	**5.0**	**ug/kg**	**1.0**
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	**150**	**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	**45**	**5.0**	**ug/kg**	**1.0**
Trichloroethene	**94**	**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	**120**	**25**	**ug/kg**	**10**
Toluene	**2.4 J**	**5.0**	**ug/kg**	**2.0**
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	**20**	**5.0**	**ug/kg**	**3.0**

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_50

GC/MS Volatiles

Lot-Sample #...: E1E180310-001 **Work Order #...:** EDMFC1AA **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	94	(70 - 130)
1,2-Dichloroethane-d4	105	(60 - 140)
Toluene-d8	96	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_60

GC Semivolatiles

Lot-Sample #...:	E1E180310-002	**Work Order #...:**	EDMFD1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/17/01 16:08	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1141266
Prep Date.....:	05/21/01	**Analysis Date..:**	05/24/01		
Prep Batch #...:	1141505	**Analysis Time..:**	04:37		
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	74	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_60

GC Volatiles

Lot-Sample #...:	E1E180310-002	**Work Order #...:**	EDMFD1AD	**Matrix.....:**	SOLID
Date Sampled...:	05/17/01 16:08	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1141292
Prep Date.....:	05/19/01	**Analysis Date..:**	05/19/01		
Prep Batch #...:	1141542	**Analysis Time..:**	10:23		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G15		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	**16**	**1.0**	**mg/kg**	**0.10**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	102	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_60

GC/MS Volatiles

Lot-Sample #...: E1E180310-002 **Work Order #...:** EDMFD1AA **Matrix.....:** SOLID
Date Sampled...: 05/17/01 16:08 **Date Received..:** 05/18/01 18:00 **MS Run #.....:** 1142285
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142472 **Analysis Time..:** 22:26
Dilution Factor: 1
Analyst ID.....: 015590 **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	**520**	**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	**180 J**	**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	**2700**	**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	**1700**	**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	**150 J**	**250**	**ug/kg**	**70**
Trichloroethene	**670**	**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	**440 J**	**1200**	**ug/kg**	**400**
Toluene	**510**	**250**	**ug/kg**	**60**
trans-1,3-Dichloropropene	ND	250	ug/kg	70
1,1,2-Trichloroethane	ND	250	ug/kg	100

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_60

GC/MS Volatiles

Lot-Sample #...: E1E180310-002 **Work Order #...:** EDMFD1AA **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	ND	250	ug/kg	70
Xylenes (total)	ND	250	ug/kg	170
Styrene	ND	500	ug/kg	100
Bromoform	ND	250	ug/kg	100
Isopropylbenzene	ND	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	ND	250	ug/kg	110
2-Chlorotoluene	ND	250	ug/kg	70
4-Chlorotoluene	ND	250	ug/kg	70
1,3,5-Trimethylbenzene	ND	250	ug/kg	120
tert-Butylbenzene	ND	250	ug/kg	70
1,2,4-Trimethylbenzene	ND	250	ug/kg	70
sec-Butylbenzene	ND	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	ND	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	98	(60 - 140)
1,2-Dichloroethane-d4	121	(60 - 140)
Toluene-d8	105	(60 - 140)

NOTE(S):

J Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E1E180310

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		1141505	1141266
	SOLID	SW846 8015B		1141542	1141292
	SOLID	SW846 8260B		1142341	1142191
002	SOLID	SW846 8015B		1141505	1141266
	SOLID	SW846 8015B		1141542	1141292
	SOLID	SW846 8260B		1142472	1142285

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1E180310
MB Lot-Sample #: E1E210000-505

Work Order #...: EDN511AA

Matrix.....: SOLID

Prep Date.....: 05/21/01
Prep Batch #...: 1141505

Analysis Time..: 17:02
Instrument ID..: G03

Analysis Date..: 05/22/01
Dilution Factor: 1

Analyst ID.....: 356074

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	93	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1E180310
MB Lot-Sample #: E1E210000-542

Work Order #...: EDN7D1AA
Prep Date.....: 05/19/01
Prep Batch #...: 1141542
Analyst ID.....: 001464

Matrix.....: SOLID
Analysis Time..: 05:57
Instrument ID..: G15

Analysis Date..: 05/19/01
Dilution Factor: 1

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)	90	(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 #...: E1E180310 **Work Order #...:** EDQGR1AA **Matrix.....:** SOLID
MB Lot-Sample #: E1E220000-341

Prep Date.....: 05/21/01 **Analysis Time..:** 11:02
Analysis Date..: 05/21/01 **Prep Batch #...:** 1142341 **Instrument ID..:** MSD
Dilution Factor: 1

Analyst ID.....: 004648

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 #...: E1E180310 **Work Order #...:** EDQGR1AA **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	91	(70 - 130)
1,2-Dichloroethane-d4	98	(60 - 140)
Toluene-d8	94	(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 #...: E1E180310 **Work Order #...:** EDQ771AA **Matrix.....:** SOLID
MB Lot-Sample #: E1E220000-472

Prep Date.....: 05/21/01 **Analysis Time..:** 14:50
Analysis Date..: 05/21/01 **Prep Batch #...:** 1142472 **Instrument ID..:** MSG
Dilution Factor: 1

Analyst ID.....: 015590

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 #...: E1E180310 **Work Order #...:** EDQ771AA **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	89	(60 - 140)
1,2-Dichloroethane-d4	110	(60 - 140)
Toluene-d8	95	(60 - 140)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E1E180310 **Work Order #...:** EDN511AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E210000-505
Prep Date.....: 05/21/01 **Analysis Date..:** 05/22/01
Prep Batch #...: 1141505 **Analysis Time..:** 17:41
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**188**	**mg/kg**	**75**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	83	(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 #...: E1E180310 **Work Order #...:** EDN7D1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E210000-542
Prep Date.....: 05/19/01 **Analysis Date..:** 05/19/01
Prep Batch #...: 1141542 **Analysis Time..:** 05:04
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**5.99**	**mg/kg**	**120**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	115	(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 #...: E1E180310 **Work Order #...:** EDQGR1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E220000-341
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142341 **Analysis Time..:** 10:02
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**50.5**	**ug/kg**	**101**	**SW846 8260B**
Benzene	**50.0**	**47.0**	**ug/kg**	**94**	**SW846 8260B**
Trichloroethene	**50.0**	**54.3**	**ug/kg**	**109**	**SW846 8260B**
Toluene	**50.0**	**44.4**	**ug/kg**	**89**	**SW846 8260B**
Chlorobenzene	**50.0**	**46.0**	**ug/kg**	**92**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(70 - 130)
1,2-Dichloroethane-d4	92	(60 - 140)
Toluene-d8	93	(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 #...: E1E180310 **Work Order #...:** EDQ771AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E220000-472
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142472 **Analysis Time..:** 13:45
Dilution Factor: 1 **Instrument ID..:** MSG
Analyst ID.....: 015590

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**2500**	**3220**	**ug/kg**	**129**	**SW846 8260B**
Benzene	**2500**	**2780**	**ug/kg**	**111**	**SW846 8260B**
Trichloroethene	**2500**	**2900**	**ug/kg**	**116**	**SW846 8260B**
Toluene	**2500**	**2360**	**ug/kg**	**94**	**SW846 8260B**
Chlorobenzene	**2500**	**2440**	**ug/kg**	**97**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(60 - 140)
1,2-Dichloroethane-d4	117	(60 - 140)
Toluene-d8	105	(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

GC Semivolatiles

Client Lot #...: E1E180310 **Work Order #...:** EDN511AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E210000-505
Prep Date.....: 05/21/01 **Analysis Date..:** 05/22/01
Prep Batch #...: 1141505 **Analysis Time..:** 17:41
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**75**	**(60 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	83	(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 #...: E1E180310 **Work Order #...:** EDN7D1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E210000-542
Prep Date.....: 05/19/01 **Analysis Date..:** 05/19/01
Prep Batch #...: 1141542 **Analysis Time..:** 05:04
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**120**	**(80 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	115	(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 #...: E1E180310 **Work Order #...:** EDQGR1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E220000-341
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142341 **Analysis Time..:** 10:02
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**101**	**(60 - 150)**	**SW846 8260B**
Benzene	**94**	**(70 - 140)**	**SW846 8260B**
Trichloroethene	**109**	**(70 - 130)**	**SW846 8260B**
Toluene	**89**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**92**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(70 - 130)
1,2-Dichloroethane-d4	92	(60 - 140)
Toluene-d8	93	(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 #...: E1E180310 **Work Order #...:** EDQ771AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E220000-472
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142472 **Analysis Time..:** 13:45
Dilution Factor: 1 **Instrument ID..:** MSG
Analyst ID.....: 015590

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**129**	**(60 - 140)**	**SW846 8260B**
Benzene	**111**	**(60 - 130)**	**SW846 8260B**
Trichloroethene	**116**	**(60 - 140)**	**SW846 8260B**
Toluene	**94**	**(60 - 130)**	**SW846 8260B**
Chlorobenzene	**97**	**(60 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(60 - 140)
1,2-Dichloroethane-d4	117	(60 - 140)
Toluene-d8	105	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDKC81AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E170301-016		EDKC81AF-MSD		
Date Sampled...:	05/17/01 12:55	**Date Received..:**	05/17/01 18:00	**MS Run #.....:**	1142285
Prep Date.....:	05/21/01	**Analysis Date..:**	05/21/01		
Prep Batch #...:	1142472	**Analysis Time..:**	20:16		
Dilution Factor:	4	**Analyst ID.....:**	015590	**Instrument ID..:**	MSG

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**550**	**2500**	**2040**	**ug/kg**	**60 MSC**		**SW846 8260B**
	550	**2500**	**2570**	**ug/kg**	**81**	**23**	**SW846 8260B**
Benzene	**ND**	**2500**	**2060**	**ug/kg**	**82**		**SW846 8260B**
	ND	**2500**	**2190**	**ug/kg**	**88**	**6.2**	**SW846 8260B**
Trichloroethene	**1200**	**2500**	**2740**	**ug/kg**	**61**		**SW846 8260B**
	1200	**2500**	**2930**	**ug/kg**	**69**	**6.6**	**SW846 8260B**
Toluene	**7100**	**2500**	**6380**	**ug/kg**	**0.0**		**SW846 8260B**
	Qualifiers: a,MSC						
	7100	**2500**	**6360**	**ug/kg**	**0.0**	**0.0**	**SW846 8260B**
	Qualifiers: a,MSC						
Chlorobenzene	**ND**	**2500**	**1810**	**ug/kg**	**72**		**SW846 8260B**
	ND	**2500**	**1890**	**ug/kg**	**75**	**4.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	72	(60 - 140)
	77	(60 - 140)
1,2-Dichloroethane-d4	86	(60 - 140)
	94	(60 - 140)
Toluene-d8	74	(60 - 140)
	83	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDKDE1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E170301-021		EDKDE1AF-MSD		
Date Sampled...:	05/17/01 15:47	**Date Received..:**	05/17/01 18:00	**MS Run #.....:**	1141292
Prep Date.....:	05/19/01	**Analysis Date..:**	05/19/01		
Prep Batch #...:	1141542	**Analysis Time..:**	08:10		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**ND**	**5.00**	**6.27**	**mg/kg**	**125**		**SW846 8015B**
	ND	**5.00**	**6.48**	**mg/kg**	**130**	**3.3**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	121	(60 - 130)
	122	(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/MS Volatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDME11AG-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E180309-001		EDME11AH-MSD		
Date Sampled...:	05/18/01 07:30	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1142191
Prep Date.....:	05/21/01	**Analysis Date..:**	05/21/01		
Prep Batch #...:	1142341	**Analysis Time..:**	13:14		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**2.8**	**50.0**	**51.9**	**ug/kg**	**98**		**SW846 8260B**
	2.8	**50.0**	**57.1**	**ug/kg**	**109**	**9.6**	**SW846 8260B**
Benzene	**ND**	**50.0**	**50.2**	**ug/kg**	**100**		**SW846 8260B**
	ND	**50.0**	**51.2**	**ug/kg**	**102**	**2.1**	**SW846 8260B**
Trichloroethene	**7.6**	**50.0**	**54.2**	**ug/kg**	**93**		**SW846 8260B**
	7.6	**50.0**	**57.6**	**ug/kg**	**100**	**6.2**	**SW846 8260B**
Toluene	**ND**	**50.0**	**45.9**	**ug/kg**	**92**		**SW846 8260B**
	ND	**50.0**	**47.7**	**ug/kg**	**95**	**3.8**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**46.3**	**ug/kg**	**93**		**SW846 8260B**
	ND	**50.0**	**47.1**	**ug/kg**	**94**	**1.6**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(70 - 130)
	97	(70 - 130)
1,2-Dichloroethane-d4	105	(60 - 140)
	105	(60 - 140)
Toluene-d8	97	(70 - 130)
	98	(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 Semivolatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDMFL1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E180311-006		EDMFL1AF-MSD		
Date Sampled...:	05/18/01 08:59	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1141266
Prep Date.....:	05/21/01	**Analysis Date..:**	05/22/01		
Prep Batch #...:	1141505	**Analysis Time..:**	18:59		
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**	**265**	**mg/kg**	**106**		**SW846 8015B**
	ND	**250**	**224**	**mg/kg**	**89**	**17**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	104	(60 - 130)
	86	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDKC81AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E170301-016		EDKC81AF-MSD		
Date Sampled...:	05/17/01 12:55	**Date Received..:**	05/17/01 18:00	**MS Run #.....:**	1142285
Prep Date.....:	05/21/01	**Analysis Date..:**	05/21/01		
Prep Batch #...:	1142472	**Analysis Time..:**	20:16		
Dilution Factor:	4	**Analyst ID.....:**	015590	**Instrument ID..:**	MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**60 MSC**	**(60 - 140)**			**SW846 8260B**
	81	**(60 - 140)**	**23**	**(0-35)**	**SW846 8260B**
Benzene	**82**	**(60 - 130)**			**SW846 8260B**
	88	**(60 - 130)**	**6.2**	**(0-35)**	**SW846 8260B**
Trichloroethene	**61**	**(60 - 140)**			**SW846 8260B**
	69	**(60 - 140)**	**6.6**	**(0-35)**	**SW846 8260B**
Toluene	**0.0 a,MSC**	**(60 - 130)**			**SW846 8260B**
	0.0 a,MSC	**(60 - 130)**	**0.0**	**(0-35)**	**SW846 8260B**
Chlorobenzene	**72**	**(60 - 130)**			**SW846 8260B**
	75	**(60 - 130)**	**4.3**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	72	(60 - 140)
	77	(60 - 140)
1,2-Dichloroethane-d4	86	(60 - 140)
	94	(60 - 140)
Toluene-d8	74	(60 - 140)
	83	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDKDE1AE-MS EDKDE1AF-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E170301-021				
Date Sampled...:	05/17/01 15:47	**Date Received..:**	05/17/01 18:00	**MS Run #.....:**	1141292
Prep Date.....:	05/19/01	**Analysis Date..:**	05/19/01		
Prep Batch #...:	1141542	**Analysis Time..:**	08:10		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**125**	**(80 - 140)**			**SW846 8015B**
	130	**(80 - 140)**	**3.3**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	121	(60 - 130)
	122	(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 #...:	E1E180310	**Work Order #...:**	EDME11AG-MS EDME11AH-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E180309-001				
Date Sampled...:	05/18/01 07:30	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1142191
Prep Date.....:	05/21/01	**Analysis Date..:**	05/21/01		
Prep Batch #...:	1142341	**Analysis Time..:**	13:14		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**98**	**(60 - 150)**			**SW846 8260B**
	109	**(60 - 150)**	**9.6**	**(0-30)**	**SW846 8260B**
Benzene	**100**	**(70 - 140)**			**SW846 8260B**
	102	**(70 - 140)**	**2.1**	**(0-30)**	**SW846 8260B**
Trichloroethene	**93**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**6.2**	**(0-30)**	**SW846 8260B**
Toluene	**92**	**(70 - 130)**			**SW846 8260B**
	95	**(70 - 130)**	**3.8**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**93**	**(70 - 130)**			**SW846 8260B**
	94	**(70 - 130)**	**1.6**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(70 - 130)
	97	(70 - 130)
1,2-Dichloroethane-d4	105	(60 - 140)
	105	(60 - 140)
Toluene-d8	97	(70 - 130)
	98	(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 Semivolatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDMFL1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E180311-006		EDMFL1AF-MSD		
Date Sampled...:	05/18/01 08:59	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1141266
Prep Date.....:	05/21/01	**Analysis Date..:**	05/22/01		
Prep Batch #...:	1141505	**Analysis Time..:**	18:59		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**106**	**(60 - 130)**			**SW846 8015B**
	89	**(60 - 130)**	**17**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	104	(60 - 130)
	86	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

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

May 24, 2001

STL LOT NUMBER: **E1E180310**
NELAC Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002-00-S56

Bob Logan
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 10
Irvine, CA 92612

Dear Mr. Logan,

This report contains the analytical results for the two samples received under chain of custody by Severn Trent Laboratories (STL Los Angeles) on May 18, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celcius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed in our facility meet all the requirements of NELAC. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 7142588610 ext 309.

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

000037

This report contains _____ pages.

Chain of Custody Record

STL-4124 (0700)

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Client: Kennedy / Jenks	Project Manager: Jay Knight / Bob Logan	Date: 5-17-01	Chain of Custody Number: 052423
Address: 2151 Michelson Dr, Ste 100	Telephone Number (Area Code)/Fax Number:	Lab Number:	Page ____ of ____
City: Irvine; State: CA; Zip Code: 92612	Site Contact:	Lab Contact:	
Project Name and Location (State): Boeing C-6	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 004032.01			

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		Analysis: VOCs	TPH	*SVOCs + PAHs	Special Instructions/ Conditions of Receipt
2BB-36-9-50	5-17-01	1558				✓									X	X		
2BB-36-9-60	"	1608				✓									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 5-day

QC Requirements (Specify): *run SVOCs + PAHs on sample with highest TPH in each boring

1. Relinquished By: Jay Knight	Date: 5-18-01	Time: 0735	1. Received By: [signature]	Date: 5/18/01	Time: 0735
2. Relinquished By: [signature]	Date: 5-18-01	Time: 1800	2. Received By: [signature] Pacoak	Date: 5/18/01	Time: 18:00
3. Relinquished By: [signature]	Date: 5/18/01	Time: 1647	3. Received By: [signature]	Date: 5-18-01	Time: 1647

Comments:

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

BOE-C6-0122731

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 5/18/01

Quantims Lot #: E/E180310
Quote #: 38629
Client Name: Kennedy Jenks
Project: Boeing C6
Received by: Pacolek
Date/Time Received: 5/18/01 18:00
Delivered by : ☐Client ☐Airborne ☐Fed Ex ☐DHL ☐Ultra-Ex ☐Rey B. ☐UPS ☐DES ☒Other Hi'Ket.

Initial / Date

Custody Seal Status: ☐Intact ☐Broken ☒None ..... AR 5/18/01
Custody Seal #(s): ☒No Seal # .....
Sample Container(s): ☒STL-LA ☒Client ☐N/A .....
Temperature(s) (COOLER/BLANK) in °C: 6°C (CORRECTED TEMP).....
Thermometer Used : ☒IR (Infra-red) ☐Digital (Probe) .....
Samples: ☒Intact ☐Broken ☐Other .....
Anomalies: ☒No ☐Yes (See Clouseau) .....
Labeled by ..... AR
Labeling checked by .....

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL ..... 5 days
Short-Hold Notification: ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☒N/A ...
Outside Analysis(es) (Test/Lab/Date Sent Out) : – none.

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

Fraction	1, 2										PH
VOAh /*											N/A
Sleeve	1										

h:HCl na:Sodium Hydroxide zna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/fl: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: Pacolek 5/18/01 REVIEWED BY/DATE: Y Smith 5-21-01

FRC Ver. 3 030200 KW

BOE-C6-0122732

METHODS SUMMARY

E1E180310

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

EXECUTIVE SUMMARY - Detection Highlights

E1E180310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
2BB_36_9_50 05/17/01 15:58 001				
C6-C8	1.3	1.0	mg/kg	SW846 8015B
1,1-Dichloroethene	16	5.0	ug/kg	SW846 8260B
Methylene chloride	7.5	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	30	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	12	5.0	ug/kg	SW846 8260B
Chloroform	3.8 J	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	150	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	45	5.0	ug/kg	SW846 8260B
Trichloroethene	94	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	120	25	ug/kg	SW846 8260B
Toluene	2.4 J	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	20	5.0	ug/kg	SW846 8260B
2BB_36_9_60 05/17/01 16:08 002				
C6-C8	16	1.0	mg/kg	SW846 8015B
1,1-Dichloroethene	520	250	ug/kg	SW846 8260B
1,1-Dichloroethane	180 J	250	ug/kg	SW846 8260B
2-Butanone	2700	1200	ug/kg	SW846 8260B
1,1,1-Trichloroethane	1700	250	ug/kg	SW846 8260B
1,2-Dichloroethane	150 J	250	ug/kg	SW846 8260B
Trichloroethene	670	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	440 J	1200	ug/kg	SW846 8260B
Toluene	510	250	ug/kg	SW846 8260B

SAMPLE SUMMARY

E1E180310

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EDMFC	001	2BB_36_9_50	05/17/01	15:58
EDMFD	002	2BB_36_9_60	05/17/01	16:08

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: 2BB_36_9_50

GC Semivolatiles

Lot-Sample #...: E1E180310-001 **Work Order #...:** EDMFC1AC **Matrix.....:** SOLID
Date Sampled...: 05/17/01 15:58 **Date Received..:** 05/18/01 18:00 **MS Run #.....:** 1141266
Prep Date.....: 05/21/01 **Analysis Date..:** 05/24/01
Prep Batch #...: 1141505 **Analysis Time..:** 03:58
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	91	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_50

GC Volatiles

Lot-Sample #...:	E1E180310-001	**Work Order #...:**	EDMFC1AD	**Matrix.....:**	SOLID
Date Sampled...:	05/17/01 15:58	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1141292
Prep Date.....:	05/19/01	**Analysis Date..:**	05/19/01		
Prep Batch #...:	1141542	**Analysis Time..:**	09:56		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G15		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	**1.3**	**1.0**	**mg/kg**	**0.10**

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

NOTE(S):

Unknown peaks were detected.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_50

GC/MS Volatiles

Lot-Sample #...: E1E180310-001 **Work Order #...:** EDMFC1AA **Matrix.....:** SOLID
Date Sampled...: 05/17/01 15:58 **Date Received..:** 05/18/01 18:00 **MS Run #.....:** 1142191
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142341 **Analysis Time..:** 14:15
Dilution Factor: 1
Analyst ID.....: 004648 **Instrument ID..:** MSD
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	**16**	**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	**7.5**	**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	**30**	**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	**12**	**5.0**	**ug/kg**	**2.0**
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	**3.8 J**	**5.0**	**ug/kg**	**1.0**
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	**150**	**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	**45**	**5.0**	**ug/kg**	**1.0**
Trichloroethene	**94**	**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	**120**	**25**	**ug/kg**	**10**
Toluene	**2.4 J**	**5.0**	**ug/kg**	**2.0**
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	**20**	**5.0**	**ug/kg**	**3.0**

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_50

GC/MS Volatiles

Lot-Sample #...: E1E180310-001 **Work Order #...:** EDMFC1AA **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	94	(70 - 130)
1,2-Dichloroethane-d4	105	(60 - 140)
Toluene-d8	96	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_60

GC Semivolatiles

Lot-Sample #...:	E1E180310-002	**Work Order #...:**	EDMFD1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/17/01 16:08	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1141266
Prep Date.....:	05/21/01	**Analysis Date..:**	05/24/01		
Prep Batch #...:	1141505	**Analysis Time..:**	04:37		
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	74	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_60

GC Volatiles

Lot-Sample #...:	E1E180310-002	**Work Order #...:**	EDMFD1AD	**Matrix.....:**	SOLID
Date Sampled...:	05/17/01 16:08	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1141292
Prep Date.....:	05/19/01	**Analysis Date..:**	05/19/01		
Prep Batch #...:	1141542	**Analysis Time..:**	10:23		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G15		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	**16**	**1.0**	**mg/kg**	**0.10**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	102	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_60

GC/MS Volatiles

Lot-Sample #...: E1E180310-002 **Work Order #...:** EDMFD1AA **Matrix.....:** SOLID
Date Sampled...: 05/17/01 16:08 **Date Received..:** 05/18/01 18:00 **MS Run #.....:** 1142285
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142472 **Analysis Time..:** 22:26
Dilution Factor: 1
Analyst ID.....: 015590 **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	**520**	**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	**180 J**	**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	**2700**	**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	**1700**	**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	**150 J**	**250**	**ug/kg**	**70**
Trichloroethene	**670**	**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	**440 J**	**1200**	**ug/kg**	**400**
Toluene	**510**	**250**	**ug/kg**	**60**
trans-1,3-Dichloropropene	ND	250	ug/kg	70
1,1,2-Trichloroethane	ND	250	ug/kg	100

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2BB_36_9_60

GC/MS Volatiles

Lot-Sample #...: E1E180310-002 **Work Order #...:** EDMFD1AA **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	ND	250	ug/kg	70
Xylenes (total)	ND	250	ug/kg	170
Styrene	ND	500	ug/kg	100
Bromoform	ND	250	ug/kg	100
Isopropylbenzene	ND	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	ND	250	ug/kg	110
2-Chlorotoluene	ND	250	ug/kg	70
4-Chlorotoluene	ND	250	ug/kg	70
1,3,5-Trimethylbenzene	ND	250	ug/kg	120
tert-Butylbenzene	ND	250	ug/kg	70
1,2,4-Trimethylbenzene	ND	250	ug/kg	70
sec-Butylbenzene	ND	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	ND	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	98	(60 - 140)
1,2-Dichloroethane-d4	121	(60 - 140)
Toluene-d8	105	(60 - 140)

NOTE(S):

J Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E1E180310

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		1141505	1141266
	SOLID	SW846 8015B		1141542	1141292
	SOLID	SW846 8260B		1142341	1142191
002	SOLID	SW846 8015B		1141505	1141266
	SOLID	SW846 8015B		1141542	1141292
	SOLID	SW846 8260B		1142472	1142285

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1E180310
MB Lot-Sample #: E1E210000-505

Work Order #...: EDN511AA

Matrix.....: SOLID

Prep Date.....: 05/21/01

Analysis Time..: 17:02

Analysis Date..: 05/22/01

Prep Batch #...: 1141505

Instrument ID..: G03

Dilution Factor: 1

Analyst ID.....: 356074

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	93	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1E180310
MB Lot-Sample #: E1E210000-542

Analysis Date..: 05/19/01
Dilution Factor: 1

Work Order #...: EDN7D1AA

Prep Date.....: 05/19/01
Prep Batch #...: 1141542

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 05:57
Instrument ID..: G15

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)	90	(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 #...: E1E180310
MB Lot-Sample #: E1E220000-341
Analysis Date..: 05/21/01
Dilution Factor: 1

Work Order #...: EDQGR1AA
Prep Date.....: 05/21/01
Prep Batch #...: 1142341
Analyst ID.....: 004648

Matrix.....: SOLID
Analysis Time..: 11:02
Instrument ID..: MSD

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 #...: E1E180310 **Work Order #...:** EDQGR1AA **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	91	(70 - 130)
1,2-Dichloroethane-d4	98	(60 - 140)
Toluene-d8	94	(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 #...: E1E180310 **Work Order #...:** EDQ771AA **Matrix.....:** SOLID
MB Lot-Sample #: E1E220000-472

Prep Date.....: 05/21/01 **Analysis Time..:** 14:50
Analysis Date..: 05/21/01 **Prep Batch #...:** 1142472 **Instrument ID..:** MSG
Dilution Factor: 1

Analyst ID.....: 015590

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 #...: E1E180310 Work Order #...: EDQ771AA 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	89	(60 - 140)
1,2-Dichloroethane-d4	110	(60 - 140)
Toluene-d8	95	(60 - 140)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E1E180310 **Work Order #...:** EDN511AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E210000-505
Prep Date.....: 05/21/01 **Analysis Date..:** 05/22/01
Prep Batch #...: 1141505 **Analysis Time..:** 17:41
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**188**	**mg/kg**	**75**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	83	(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 #...: E1E180310 **Work Order #...:** EDN7D1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E210000-542
Prep Date.....: 05/19/01 **Analysis Date..:** 05/19/01
Prep Batch #...: 1141542 **Analysis Time..:** 05:04
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**5.99**	**mg/kg**	**120**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	115	(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 #...: E1E180310 **Work Order #...:** EDQGR1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E220000-341
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142341 **Analysis Time..:** 10:02
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**50.5**	**ug/kg**	**101**	**SW846 8260B**
Benzene	**50.0**	**47.0**	**ug/kg**	**94**	**SW846 8260B**
Trichloroethene	**50.0**	**54.3**	**ug/kg**	**109**	**SW846 8260B**
Toluene	**50.0**	**44.4**	**ug/kg**	**89**	**SW846 8260B**
Chlorobenzene	**50.0**	**46.0**	**ug/kg**	**92**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(70 - 130)
1,2-Dichloroethane-d4	92	(60 - 140)
Toluene-d8	93	(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 #...: E1E180310 **Work Order #...:** EDQ771AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E220000-472
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142472 **Analysis Time..:** 13:45
Dilution Factor: 1 **Instrument ID..:** MSG
Analyst ID.....: 015590

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**2500**	**3220**	**ug/kg**	**129**	**SW846 8260B**
Benzene	**2500**	**2780**	**ug/kg**	**111**	**SW846 8260B**
Trichloroethene	**2500**	**2900**	**ug/kg**	**116**	**SW846 8260B**
Toluene	**2500**	**2360**	**ug/kg**	**94**	**SW846 8260B**
Chlorobenzene	**2500**	**2440**	**ug/kg**	**97**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(60 - 140)
1,2-Dichloroethane-d4	117	(60 - 140)
Toluene-d8	105	(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

GC Semivolatiles

Client Lot #...: E1E180310 **Work Order #...:** EDN511AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E210000-505
Prep Date.....: 05/21/01 **Analysis Date..:** 05/22/01
Prep Batch #...: 1141505 **Analysis Time..:** 17:41
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**75**	**(60 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	83	(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 #...: E1E180310 **Work Order #...:** EDN7D1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E210000-542
Prep Date.....: 05/19/01 **Analysis Date..:** 05/19/01
Prep Batch #...: 1141542 **Analysis Time..:** 05:04
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**120**	**(80 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	115	(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 #...: E1E180310 **Work Order #...:** EDQGR1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E220000-341
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142341 **Analysis Time..:** 10:02
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**101**	**(60 - 150)**	**SW846 8260B**
Benzene	**94**	**(70 - 140)**	**SW846 8260B**
Trichloroethene	**109**	**(70 - 130)**	**SW846 8260B**
Toluene	**89**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**92**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(70 - 130)
1,2-Dichloroethane-d4	92	(60 - 140)
Toluene-d8	93	(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 #...: E1E180310 **Work Order #...:** EDQ771AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E220000-472
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142472 **Analysis Time..:** 13:45
Dilution Factor: 1 **Instrument ID..:** MSG
Analyst ID.....: 015590

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**129**	**(60 - 140)**	**SW846 8260B**
Benzene	**111**	**(60 - 130)**	**SW846 8260B**
Trichloroethene	**116**	**(60 - 140)**	**SW846 8260B**
Toluene	**94**	**(60 - 130)**	**SW846 8260B**
Chlorobenzene	**97**	**(60 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(60 - 140)
1,2-Dichloroethane-d4	117	(60 - 140)
Toluene-d8	105	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDKC81AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E170301-016		EDKC81AF-MSD		
Date Sampled...:	05/17/01 12:55	**Date Received..:**	05/17/01 18:00	**MS Run #.....:**	1142285
Prep Date.....:	05/21/01	**Analysis Date..:**	05/21/01		
Prep Batch #...:	1142472	**Analysis Time..:**	20:16		
Dilution Factor:	4	**Analyst ID.....:**	015590	**Instrument ID..:**	MSG

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**550**	**2500**	**2040**	**ug/kg**	**60 MSC**		**SW846 8260B**
	550	**2500**	**2570**	**ug/kg**	**81**	**23**	**SW846 8260B**
Benzene	**ND**	**2500**	**2060**	**ug/kg**	**82**		**SW846 8260B**
	ND	**2500**	**2190**	**ug/kg**	**88**	**6.2**	**SW846 8260B**
Trichloroethene	**1200**	**2500**	**2740**	**ug/kg**	**61**		**SW846 8260B**
	1200	**2500**	**2930**	**ug/kg**	**69**	**6.6**	**SW846 8260B**
Toluene	**7100**	**2500**	**6380**	**ug/kg**	**0.0**		**SW846 8260B**
	Qualifiers: a,MSC						
	7100	**2500**	**6360**	**ug/kg**	**0.0**	**0.0**	**SW846 8260B**
	Qualifiers: a,MSC						
Chlorobenzene	**ND**	**2500**	**1810**	**ug/kg**	**72**		**SW846 8260B**
	ND	**2500**	**1890**	**ug/kg**	**75**	**4.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	72	(60 - 140)
	77	(60 - 140)
1,2-Dichloroethane-d4	86	(60 - 140)
	94	(60 - 140)
Toluene-d8	74	(60 - 140)
	83	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDKDE1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E170301-021		EDKDE1AF-MSD		
Date Sampled...:	05/17/01 15:47	**Date Received..:**	05/17/01 18:00	**MS Run #.....:**	1141292
Prep Date.....:	05/19/01	**Analysis Date..:**	05/19/01		
Prep Batch #...:	1141542	**Analysis Time..:**	08:10		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**ND**	**5.00**	**6.27**	**mg/kg**	**125**		**SW846 8015B**
	ND	**5.00**	**6.48**	**mg/kg**	**130**	**3.3**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	121	(60 - 130)
	122	(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/MS Volatiles

Client Lot #...:	E1E180310	Work Order #...:	EDME11AG-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1E180309-001		EDME11AH-MSD		
Date Sampled...:	05/18/01 07:30	Date Received..:	05/18/01 18:00	MS Run #.....:	1142191
Prep Date.....:	05/21/01	Analysis Date..:	05/21/01		
Prep Batch #...:	1142341	Analysis Time..:	13:14		
Dilution Factor:	1	Analyst ID.....:	004648	Instrument ID..:	MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	2.8	50.0	51.9	ug/kg	98		SW846 8260B
	2.8	50.0	57.1	ug/kg	109	9.6	SW846 8260B
Benzene	ND	50.0	50.2	ug/kg	100		SW846 8260B
	ND	50.0	51.2	ug/kg	102	2.1	SW846 8260B
Trichloroethene	7.6	50.0	54.2	ug/kg	93		SW846 8260B
	7.6	50.0	57.6	ug/kg	100	6.2	SW846 8260B
Toluene	ND	50.0	45.9	ug/kg	92		SW846 8260B
	ND	50.0	47.7	ug/kg	95	3.8	SW846 8260B
Chlorobenzene	ND	50.0	46.3	ug/kg	93		SW846 8260B
	ND	50.0	47.1	ug/kg	94	1.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(70 - 130)
	97	(70 - 130)
1,2-Dichloroethane-d4	105	(60 - 140)
	105	(60 - 140)
Toluene-d8	97	(70 - 130)
	98	(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 Semivolatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDMFL1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E180311-006		EDMFL1AF-MSD		
Date Sampled...:	05/18/01 08:59	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1141266
Prep Date.....:	05/21/01	**Analysis Date..:**	05/22/01		
Prep Batch #...:	1141505	**Analysis Time..:**	18:59		
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**	**265**	**mg/kg**	**106**		**SW846 8015B**
	ND	**250**	**224**	**mg/kg**	**89**	**17**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	104	(60 - 130)
	86	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDKC81AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E170301-016		EDKC81AF-MSD		
Date Sampled...:	05/17/01 12:55	**Date Received..:**	05/17/01 18:00	**MS Run #.....:**	1142285
Prep Date.....:	05/21/01	**Analysis Date..:**	05/21/01		
Prep Batch #...:	1142472	**Analysis Time..:**	20:16		
Dilution Factor:	4	**Analyst ID.....:**	015590	**Instrument ID..:**	MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**60 MSC**	**(60 - 140)**			**SW846 8260B**
	81	**(60 - 140)**	**23**	**(0-35)**	**SW846 8260B**
Benzene	**82**	**(60 - 130)**			**SW846 8260B**
	88	**(60 - 130)**	**6.2**	**(0-35)**	**SW846 8260B**
Trichloroethene	**61**	**(60 - 140)**			**SW846 8260B**
	69	**(60 - 140)**	**6.6**	**(0-35)**	**SW846 8260B**
Toluene	**0.0 a,MSC**	**(60 - 130)**			**SW846 8260B**
	0.0 a,MSC	**(60 - 130)**	**0.0**	**(0-35)**	**SW846 8260B**
Chlorobenzene	**72**	**(60 - 130)**			**SW846 8260B**
	75	**(60 - 130)**	**4.3**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	72	(60 - 140)
	77	(60 - 140)
1,2-Dichloroethane-d4	86	(60 - 140)
	94	(60 - 140)
Toluene-d8	74	(60 - 140)
	83	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDKDE1AE-MS EDKDE1AF-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E170301-021				
Date Sampled...:	05/17/01 15:47	**Date Received..:**	05/17/01 18:00	**MS Run #.....:**	1141292
Prep Date.....:	05/19/01	**Analysis Date..:**	05/19/01		
Prep Batch #...:	1141542	**Analysis Time..:**	08:10		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**125**	**(80 - 140)**			**SW846 8015B**
	130	**(80 - 140)**	**3.3**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	121	(60 - 130)
	122	(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 #...:	E1E180310	**Work Order #...:**	EDME11AG-MS EDME11AH-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E180309-001				
Date Sampled...:	05/18/01 07:30	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1142191
Prep Date.....:	05/21/01	**Analysis Date..:**	05/21/01		
Prep Batch #...:	1142341	**Analysis Time..:**	13:14		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**98**	**(60 - 150)**			**SW846 8260B**
	109	**(60 - 150)**	**9.6**	**(0-30)**	**SW846 8260B**
Benzene	**100**	**(70 - 140)**			**SW846 8260B**
	102	**(70 - 140)**	**2.1**	**(0-30)**	**SW846 8260B**
Trichloroethene	**93**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**6.2**	**(0-30)**	**SW846 8260B**
Toluene	**92**	**(70 - 130)**			**SW846 8260B**
	95	**(70 - 130)**	**3.8**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**93**	**(70 - 130)**			**SW846 8260B**
	94	**(70 - 130)**	**1.6**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(70 - 130)
	97	(70 - 130)
1,2-Dichloroethane-d4	105	(60 - 140)
	105	(60 - 140)
Toluene-d8	97	(70 - 130)
	98	(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 Semivolatiles

Client Lot #...:	E1E180310	**Work Order #...:**	EDMFL1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E180311-006		EDMFL1AF-MSD		
Date Sampled...:	05/18/01 08:59	**Date Received..:**	05/18/01 18:00	**MS Run #.....:**	1141266
Prep Date.....:	05/21/01	**Analysis Date..:**	05/22/01		
Prep Batch #...:	1141505	**Analysis Time..:**	18:59		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**106**	**(60 - 130)**			**SW846 8015B**
	89	**(60 - 130)**	**17**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	104	(60 - 130)
	86	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters