SEVERN TRENT SERVICES

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

Tel: 714 258 8610
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May 15, 2001

STL LOT NUMBER: **E1E140185**
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 additional analytical results for the three samples requested on May 14, 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

This report contains 000062 pages.

STL Los Angeles is a part of Severn Trent Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

BOE-C6-0124008

SEVERN TRENT SERVICES

CHANGE ORDER

Lab Analysis No.	E1E140185
Client Name	Kennedy Jenks
Contact	Shane Scrimshire

- [ ] CANCEL Work
- [x] ADD Work
- [ ] Chain of Custody Discrepancy
- [ ] TAT Change
- [ ] Matrix
- [ ] Sample Problem
- [ ] Tests Not Defined
- [ ] Other

E1E100305

EXPLANATION/RESOLUTION

Build-2-AN-23-051001-2 = metals
Build-2-AN-20-051001-1 } 8015CC; 8260 VOCs
Build-2-AN-19-051001-1 } metals; PCB 8082

48 Hour Rush

Initiated By: [signature]

Date/Time: 5/14/01 1500

Received By: _____

Date/Time: _____

000002

Distribution:
Original - Sample Control/Job Folder; Yellow - Lab; Pink - Initiator

ENS—3008

Chain of Custody Record

E1E100305

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client	Project Manager	Date	Chain of Custody Number
[illegible]	[illegible]	5-10-01	024784
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of**
3151 Madison Dr. Suite 100	[illegible]		

City	State	Zip Code	Site Contact	Lab Contact
[illegible]	CA.	92619	[illegible]	

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

Contract/Purchase Order/Quote No.: [illegible]

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	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Special Instructions/ Conditions of Receipt
[illegible]	5/9/01	[illegible]				X	X							X	X	X								[illegible]
[illegible]	↓	[illegible]				↓	↓							X	X	X								[illegible]
[illegible]	5/9/01	0950				↓	↓							X	X	X	X	24 Hr	24 Hr					[illegible]
[illegible]	↓	[illegible]				↓	↓							X	X	X	X	Hold						↓
[illegible]	↓	[illegible]				↓	↓							X	X	X	X	Hold						↓
[illegible]	↓	[illegible]				↓	↓							X	X	X	X	Hold						↓

5/14

48 HR

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

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

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

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By [illegible]	5-10-01	[illegible]	1. Received By [illegible]	[illegible]	[illegible]
2. Relinquished By [illegible]	[illegible]	[illegible]	2. Received By [illegible]	[illegible]	[illegible]
3. Relinquished By			3. Received By		

Comments

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

000003

BOE-C6-0124010

EXECUTIVE SUMMARY - Detection Highlights

E1E140185

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BUILD_2_AN_23_051001_2 05/10/01 11:15 001				
Aluminum	26900	20.0	mg/kg	SW846 6010B
Cobalt	12.4	5.0	mg/kg	SW846 6010B
Chromium	30.4	1.0	mg/kg	SW846 6010B
Nickel	22.0	4.0	mg/kg	SW846 6010B
Lead	6.7	0.50	mg/kg	SW846 6010B
Arsenic	3.1	1.0	mg/kg	SW846 6010B
Barium	197	2.0	mg/kg	SW846 6010B
Beryllium	0.88	0.50	mg/kg	SW846 6010B
Copper	22.1	2.5	mg/kg	SW846 6010B
Selenium	0.47 B	0.50	mg/kg	SW846 6010B
Thallium	0.88 B	1.0	mg/kg	SW846 6010B
Vanadium	54.6	5.0	mg/kg	SW846 6010B
Zinc	51.5	2.0	mg/kg	SW846 6010B
BUILD_2_AN_20_051001_1 05/10/01 11:20 002				
C18-C19	5.3 J	10	mg/kg	SW846 8015B
C20-C23	9.2 J	10	mg/kg	SW846 8015B
C24-C27	15	10	mg/kg	SW846 8015B
C28-C31	29	10	mg/kg	SW846 8015B
C32-C35	25	10	mg/kg	SW846 8015B
C36-C39	8.5 J	10	mg/kg	SW846 8015B
Total Carbon Chain Range	96	10	mg/kg	SW846 8015B
Mercury	0.024 B	0.10	mg/kg	SW846 7471A
Aluminum	19300	20.0	mg/kg	SW846 6010B
Arsenic	72.9	1.0	mg/kg	SW846 6010B
Barium	141	2.0	mg/kg	SW846 6010B
Beryllium	0.57	0.50	mg/kg	SW846 6010B
Cobalt	9.9	5.0	mg/kg	SW846 6010B
Chromium	21.8	1.0	mg/kg	SW846 6010B
Copper	48.1	2.5	mg/kg	SW846 6010B
Nickel	15.3	4.0	mg/kg	SW846 6010B
Lead	13.2	0.50	mg/kg	SW846 6010B
Thallium	0.97 B	1.0	mg/kg	SW846 6010B
Vanadium	42.5	5.0	mg/kg	SW846 6010B
Zinc	103	2.0	mg/kg	SW846 6010B
Acetone	32	25	ug/kg	SW846 8260B
BUILD_2_AN_19_051001_1 05/10/01 11:25 003				
C20-C23	6.0 J	10	mg/kg	SW846 8015B
C24-C27	14	10	mg/kg	SW846 8015B
C28-C31	32	10	mg/kg	SW846 8015B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1E140185

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BUILD_2_AN_19_051001_1 05/10/01 11:25 003				
C32-C35	28	10	mg/kg	SW846 8015B
C36-C39	15	10	mg/kg	SW846 8015B
Total Carbon Chain Range	100	10	mg/kg	SW846 8015B
Mercury	0.043 B	0.10	mg/kg	SW846 7471A
Aluminum	21800	20.0	mg/kg	SW846 6010B
Arsenic	32.0	1.0	mg/kg	SW846 6010B
Barium	152	2.0	mg/kg	SW846 6010B
Beryllium	0.66	0.50	mg/kg	SW846 6010B
Cobalt	11.2	5.0	mg/kg	SW846 6010B
Chromium	25.8	1.0	mg/kg	SW846 6010B
Copper	45.1	2.5	mg/kg	SW846 6010B
Nickel	18.7	4.0	mg/kg	SW846 6010B
Lead	29.2	0.50	mg/kg	SW846 6010B
Selenium	0.48 B	0.50	mg/kg	SW846 6010B
Thallium	0.90 B	1.0	mg/kg	SW846 6010B
Vanadium	50.6	5.0	mg/kg	SW846 6010B
Zinc	66.2	2.0	mg/kg	SW846 6010B
Acetone	33	25	ug/kg	SW846 8260B

METHODS SUMMARY

E1E140185

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
PCBs by SW-846 8082	SW846 8082	SW846 3550
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

E1E140185

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EDCRT	001	BUILD_2_AN_23_051001_2	05/10/01	11:15
EDCR4	002	BUILD_2_AN_20_051001_1	05/10/01	11:20
EDCR8	003	BUILD_2_AN_19_051001_1	05/10/01	11:25

NOTE(S):

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_20_051001_1

GC Semivolatiles

Lot-Sample #...: E1E140185-002 **Work Order #...:** EDCR41AC **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:20 **Date Received..:** 05/10/01 17:45 **MS Run #.....:** 1134253
Prep Date.....: 05/14/01 **Analysis Date..:** 05/15/01
Prep Batch #...: 1134480 **Analysis Time..:** 13:45
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G02
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	**5.3 J**	**10**	**mg/kg**	**5.0**
C20-C23	**9.2 J**	**10**	**mg/kg**	**5.0**
C24-C27	**15**	**10**	**mg/kg**	**5.0**
C28-C31	**29**	**10**	**mg/kg**	**5.0**
C32-C35	**25**	**10**	**mg/kg**	**5.0**
C36-C39	**8.5 J**	**10**	**mg/kg**	**5.0**
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	**96**	**10**	**mg/kg**	**5.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	90	(60 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_20_051001_1

GC Volatiles

Lot-Sample #...: E1E140185-002 **Work Order #...:** EDCR41AD **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:20 **Date Received..:** 05/10/01 17:45 **MS Run #.....:** 1135240
Prep Date.....: 05/14/01 **Analysis Date..:** 05/14/01
Prep Batch #...: 1135429 **Analysis Time..:** 19:25
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)	90	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_20_051001_1

GC Semivolatiles

Lot-Sample #...: E1E140185-002 **Work Order #...:** EDCR41A1 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:20 **Date Received..:** 05/10/01 17:45 **MS Run #.....:** 1135301
Prep Date.....: 05/15/01 **Analysis Date..:** 05/18/01
Prep Batch #...: 1135502 **Analysis Time..:** 02:18
Dilution Factor: 2
Analyst ID.....: 018568 **Instrument ID..:** G8B
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	66	ug/kg	20
Aroclor 1221	ND	66	ug/kg	20
Aroclor 1232	ND	66	ug/kg	20
Aroclor 1242	ND	66	ug/kg	20
Aroclor 1248	ND	66	ug/kg	20
Aroclor 1254	ND	66	ug/kg	20
Aroclor 1260	ND	66	ug/kg	20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	67	(60 - 140)
Tetrachloro-m-xylene	76	(60 - 140)

NOTE(S):

High sulfur content.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_20_051001_1

GC/MS Volatiles

Lot-Sample #...: E1E140185-002 **Work Order #...:** EDCR41AA **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:20 **Date Received..:** 05/10/01 17:45 **MS Run #.....:** 1135098
Prep Date.....: 05/14/01 **Analysis Date..:** 05/14/01
Prep Batch #...: 1135229 **Analysis Time..:** 21:56
Dilution Factor: 1
Analyst ID.....: 015590 **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	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	**32**	**25**	**ug/kg**	**15**
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_20_051001_1

GC/MS Volatiles

Lot-Sample #...: E1E140185-002 **Work Order #...:** EDCR41AA **Matrix.....:** SOLID

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(70 - 130)
1,2-Dichloroethane-d4	94	(60 - 140)
Toluene-d8	98	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_19_051001_1

GC Semivolatiles

Lot-Sample #...: E1E140185-003 **Work Order #...:** EDCR81AE **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:25 **Date Received..:** 05/10/01 17:45 **MS Run #.....:** 1134253
Prep Date.....: 05/14/01 **Analysis Date..:** 05/15/01
Prep Batch #...: 1134480 **Analysis Time..:** 14:24
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G02
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	**6.0 J**	**10**	**mg/kg**	**5.0**
C24-C27	**14**	**10**	**mg/kg**	**5.0**
C28-C31	**32**	**10**	**mg/kg**	**5.0**
C32-C35	**28**	**10**	**mg/kg**	**5.0**
C36-C39	**15**	**10**	**mg/kg**	**5.0**
C40+	ND	10	mg/kg	5.0
Total Carbon Chain Range	**100**	**10**	**mg/kg**	**5.0**

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

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_19_051001_1

GC Volatiles

Lot-Sample #...: E1E140185-003 **Work Order #...:** EDCR81AF **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:25 **Date Received..:** 05/10/01 17:45 **MS Run #.....:** 1135240
Prep Date.....: 05/14/01 **Analysis Date..:** 05/14/01
Prep Batch #...: 1135429 **Analysis Time..:** 19:53
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)	91	(60 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_19_051001_1

GC Semivolatiles

Lot-Sample #...: E1E140185-003 **Work Order #...:** EDCR81AC **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:25 **Date Received..:** 05/10/01 17:45 **MS Run #.....:** 1135301
Prep Date.....: 05/15/01 **Analysis Date..:** 05/18/01
Prep Batch #...: 1135502 **Analysis Time..:** 02:58
Dilution Factor: 1
Analyst ID.....: 018568 **Instrument ID..:** G8B
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	66	ug/kg	10
Aroclor 1221	ND	33	ug/kg	10
Aroclor 1232	ND	33	ug/kg	10
Aroclor 1242	ND	33	ug/kg	10
Aroclor 1248	ND	33	ug/kg	10
Aroclor 1254	ND	33	ug/kg	10
Aroclor 1260	ND	33	ug/kg	10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	90	(60 - 140)
Tetrachloro-m-xylene	100	(60 - 140)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_19_051001_1

GC/MS Volatiles

Lot-Sample #...: E1E140185-003 **Work Order #...:** EDCR81AD **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:25 **Date Received..:** 05/10/01 17:45 **MS Run #.....:** 1135098
Prep Date.....: 05/14/01 **Analysis Date..:** 05/14/01
Prep Batch #...: 1135229 **Analysis Time..:** 22:27
Dilution Factor: 1
Analyst ID.....: 015590 **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	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	**33**	**25**	**ug/kg**	**15**
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_19_051001_1

GC/MS Volatiles

Lot-Sample #...: E1E140185-003 **Work Order #...:** EDCR81AD **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	92	(60 - 140)
Toluene-d8	97	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_23_051001_2

TOTAL Metals

Lot-Sample #...: E1E140185-001 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:15 **Date Received..:** 05/10/01 17:45

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1135269						
Mercury	ND	0.10	mg/kg	SW846 7471A	05/17/01	EDCRT1AV
		Dilution Factor: 1		Analysis Time..: 18:48	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1135120	MDL.....: 0.020	
Prep Batch #...: 1136468						
Silver	ND	1.0	mg/kg	SW846 6010B	05/17/01	EDCRT1AP
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Aluminum	**26900**	**20.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCRT1AA**
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 8.0	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/17/01	EDCRT1AG
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.050	
Cobalt	**12.4**	**5.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCRT1AH**
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Chromium	**30.4**	**1.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCRT1AU**
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/17/01	EDCRT1AL
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.30	
Nickel	**22.0**	**4.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCRT1AM**
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.30	
Lead	**6.7**	**0.50**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCRT1AK**
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.30	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_23_051001_2

TOTAL Metals

Lot-Sample #...: E1E140185-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	3.1	1.0	mg/kg	SW846 6010B	05/17/01	EDCRT1AD
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.40	
Barium	197	2.0	mg/kg	SW846 6010B	05/17/01	EDCRT1AE
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Beryllium	0.88	0.50	mg/kg	SW846 6010B	05/17/01	EDCRT1AF
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.050	
Copper	22.1	2.5	mg/kg	SW846 6010B	05/17/01	EDCRT1AJ
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/17/01	EDCRT1AC
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.20	
Selenium	0.47 B	0.50	mg/kg	SW846 6010B	05/17/01	EDCRT1AN
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.40	
Thallium	0.88 B	1.0	mg/kg	SW846 6010B	05/17/01	EDCRT1AQ
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.50	
Vanadium	54.6	5.0	mg/kg	SW846 6010B	05/17/01	EDCRT1AR
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Zinc	51.5	2.0	mg/kg	SW846 6010B	05/17/01	EDCRT1AT
		Dilution Factor: 1		Analysis Time..: 21:12	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_20_051001_1

TOTAL Metals

Lot-Sample #...: E1E140185-002 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:20 **Date Received..:** 05/10/01 17:45

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1135269						
Mercury	**0.024 B**	**0.10**	**mg/kg**	**SW846 7471A**	**05/17/01**	**EDCR41A0**
		Dilution Factor: 1		Analysis Time..: 18:50	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1135120	MDL.....: 0.020	
Prep Batch #...: 1136468						
Silver	ND	1.0	mg/kg	SW846 6010B	05/17/01	EDCR41AT
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Aluminum	**19300**	**20.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AE**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 8.0	
Arsenic	**72.9**	**1.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AG**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.40	
Barium	**141**	**2.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AH**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Beryllium	**0.57**	**0.50**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AJ**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/17/01	EDCR41AK
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.050	
Cobalt	**9.9**	**5.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AL**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Chromium	**21.8**	**1.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AX**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_20_051001_1

TOTAL Metals

Lot-Sample #...: E1E140185-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**48.1**	**2.5**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AM**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.40	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/17/01	EDCR41AP
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.30	
Nickel	**15.3**	**4.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AQ**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.30	
Lead	**13.2**	**0.50**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AN**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/17/01	EDCR41AF
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/17/01	EDCR41AR
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.40	
Thallium	**0.97 B**	**1.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AU**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.50	
Vanadium	**42.5**	**5.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AV**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Zinc	**103**	**2.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR41AW**
		Dilution Factor: 1		Analysis Time..: 21:20	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_19_051001_1

TOTAL Metals

Lot-Sample #...: E1E140185-003 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:25 **Date Received..:** 05/10/01 17:45

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1135270						
Mercury	**0.043 B**	**0.10**	**mg/kg**	**SW846 7471A**	**05/17/01**	**EDCR81AA**
		Dilution Factor: 1		Analysis Time..: 19:34	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1135121	MDL.....: 0.020	
Prep Batch #...: 1136468						
Silver	ND	1.0	mg/kg	SW846 6010B	05/17/01	EDCR81AV
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031191	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Aluminum	**21800**	**20.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AG**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 8.0	
Arsenic	**32.0**	**1.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AJ**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.40	
Barium	**152**	**2.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AK**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Beryllium	**0.66**	**0.50**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AL**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/17/01	EDCR81AM
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.050	
Cobalt	**11.2**	**5.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AN**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Chromium	**25.8**	**1.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81A1**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: BUILD_2_AN_19_051001_1

TOTAL Metals

Lot-Sample #...: E1E140185-003 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**45.1**	**2.5**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AP**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.40	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/17/01	EDCR81AR
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.30	
Nickel	**18.7**	**4.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AT**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.30	
Lead	**29.2**	**0.50**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AQ**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/17/01	EDCR81AH
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.20	
Selenium	**0.48 B**	**0.50**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AU**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.40	
Thallium	**0.90 B**	**1.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AW**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.50	
Vanadium	**50.6**	**5.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81AX**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 0.10	
Zinc	**66.2**	**2.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDCR81A0**
		Dilution Factor: 1		Analysis Time..: 21:28	Analyst ID.....: 0031193	
		Instrument ID..: M01		MS Run #.....: 1136223	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E1E140185

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 7471A		1135269	1135120
	SOLID	SW846 6010B		1136468	1136223
002	SOLID	SW846 8015B		1134480	1134253
	SOLID	SW846 8015B		1135429	1135240
	SOLID	SW846 7471A		1135269	1135120
	SOLID	SW846 8082		1135502	1135301
	SOLID	SW846 8260B		1135229	1135098
	SOLID	SW846 6010B		1136468	1136223
003	SOLID	SW846 8015B		1134480	1134253
	SOLID	SW846 8015B		1135429	1135240
	SOLID	SW846 7471A		1135270	1135121
	SOLID	SW846 8082		1135502	1135301
	SOLID	SW846 8260B		1135229	1135098
	SOLID	SW846 6010B		1136468	1136223

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1E140185
MB Lot-Sample #: E1E140000-480

Analysis Date..: 05/15/01
Dilution Factor: 1

Work Order #...: EDCTE1AA

Prep Date.....: 05/14/01
Prep Batch #...: 1134480

Analyst ID.....: 356074

Matrix.....: SOLID

Analysis Time..: 12:27
Instrument ID..: G02

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	94	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1E140185
MB Lot-Sample #: E1E140000-480

Analysis Date..: 05/16/01
Dilution Factor: 1

Work Order #...: EDCTE1AD

Prep Date.....: 05/14/01
Prep Batch #...: 1134480

Analyst ID.....: 356074

Matrix.....: SOLID

Analysis Time..: 12:31
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	76	(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 #...: E1E140185
MB Lot-Sample #: E1E150000-229

Analysis Date..: 05/14/01
Dilution Factor: 1

Work Order #...: EDDF71AA

Prep Date.....: 05/14/01
Prep Batch #...: 1135229

Analyst ID.....: 015590

Matrix.....: SOLID

Analysis Time..: 21:26
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 #...: E1E140185 **Work Order #...:** EDDF71AA **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	90	(60 - 140)
Toluene-d8	95	(70 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1E140185
MB Lot-Sample #: E1E150000-429

Analysis Date..: 05/14/01
Dilution Factor: 1

Work Order #...: EDELX1AA

Prep Date.....: 05/14/01
Prep Batch #...: 1135429

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 12:11
Instrument ID..: G16

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

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

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1E140185
MB Lot-Sample #: E1E150000-502
Work Order #...: EDE3H1AA
Matrix.....: SOLID
Prep Date.....: 05/15/01
Analysis Time..: 19:01
Analysis Date..: 05/17/01
Prep Batch #...: 1135502
Instrument ID..: G8B
Dilution Factor: 1
Analyst ID.....: 018568

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	97	(60 - 140)
Tetrachloro-m-xylene	99	(60 - 140)

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E1E150000-269 **Prep Batch #...:** 1135269						
Mercury	ND	0.10	mg/kg	SW846 7471A	05/17/01	EDDNM1AA
		Dilution Factor: 1				
		Analysis Time..: 18:44		Analyst ID.....: 021088	Instrument ID..: M04	
MB Lot-Sample #: E1E150000-270 **Prep Batch #...:** 1135270						
Mercury	ND	0.10	mg/kg	SW846 7471A	05/17/01	EDDNT1AA
		Dilution Factor: 1				
		Analysis Time..: 19:31		Analyst ID.....: 021088	Instrument ID..: M04	
MB Lot-Sample #: E1E160000-468 **Prep Batch #...:** 1136468						
Aluminum	ND	20.0	mg/kg	SW846 6010B	05/17/01	EDG691CD
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/17/01	EDG691AC
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	05/17/01	EDG691AA
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	05/17/01	EDG691AD
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	05/17/01	EDG691AG
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/17/01	EDG691AE
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	**0.13 B**	**1.0**	**mg/kg**	**SW846 6010B**	**05/17/01**	**EDG691AF**
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	05/17/01	EDG691AL
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	2.5	mg/kg	SW846 6010B	05/17/01	EDG691AM
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	ND	0.50	mg/kg	SW846 6010B	05/17/01	EDG691AH
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/17/01	EDG691AN
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	ND	4.0	mg/kg	SW846 6010B	05/17/01	EDG691AP
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/17/01	EDG691AJ
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	05/17/01	EDG691AK
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	05/17/01	EDG691AQ
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	05/17/01	EDG691AR
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	05/17/01	EDG691AT
		Dilution Factor: 1				
		Analysis Time..: 20:55		Analyst ID.....: 003119	Instrument ID..: M01	

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E1E140185 **Work Order #...:** EDCTE1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E140000-480
Prep Date.....: 05/14/01 **Analysis Date..:** 05/15/01
Prep Batch #...: 1134480 **Analysis Time..:** 13:06
Dilution Factor: 1 **Instrument ID..:** G02
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**212**	**mg/kg**	**85**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	92	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E1E140185 **Work Order #...:** EDCTE1AE **Matrix.....:** SOLID
LCS Lot-Sample#: E1E140000-480
Prep Date.....: 05/14/01 **Analysis Date..:** 05/16/01
Prep Batch #...: 1134480 **Analysis Time..:** 13:10
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**176**	**mg/kg**	**71**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	79	(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 #...: E1E140185 **Work Order #...:** EDDF71AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E150000-229
Prep Date.....: 05/14/01 **Analysis Date..:** 05/14/01
Prep Batch #...: 1135229 **Analysis Time..:** 20:56
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 015590

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**53.7**	**ug/kg**	**107**	**SW846 8260B**
Benzene	**50.0**	**50.2**	**ug/kg**	**100**	**SW846 8260B**
Trichloroethene	**50.0**	**54.4**	**ug/kg**	**109**	**SW846 8260B**
Toluene	**50.0**	**48.3**	**ug/kg**	**97**	**SW846 8260B**
Chlorobenzene	**50.0**	**49.3**	**ug/kg**	**99**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(70 - 130)
1,2-Dichloroethane-d4	98	(60 - 140)
Toluene-d8	96	(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 Volatiles

Client Lot #...: E1E140185 **Work Order #...:** EDELX1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E150000-429
Prep Date.....: 05/14/01 **Analysis Date..:** 05/14/01
Prep Batch #...: 1135429 **Analysis Time..:** 11:42
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**5.21**	**mg/kg**	**104**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	114	(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 #...: E1E140185 **Work Order #...:** EDE3H1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E150000-502
Prep Date.....: 05/15/01 **Analysis Date..:** 05/17/01
Prep Batch #...: 1135502 **Analysis Time..:** 19:40
Dilution Factor: 1 **Instrument ID..:** G8B
Analyst ID.....: 018568

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aroclor 1016	**333**	**365**	**ug/kg**	**110**	**SW846 8082**
Aroclor 1260	**333**	**338**	**ug/kg**	**101**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	104	(60 - 140)
Tetrachloro-m-xylene	73	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1E150000-269 **Prep Batch #...:** 1135269							
Mercury	0.833	0.808	mg/kg	97	SW846 7471A	05/17/01	EDDNM1AC
			Dilution Factor: 1				
			Analysis Time..: 18:46		Analyst ID.....: 021088	Instrument ID..: M04	
LCS Lot-Sample#: E1E150000-270 **Prep Batch #...:** 1135270							
Mercury	0.833	0.795	mg/kg	95	SW846 7471A	05/17/01	EDDNT1AC
			Dilution Factor: 1				
			Analysis Time..: 19:33		Analyst ID.....: 021088	Instrument ID..: M04	
LCS Lot-Sample#: E1E160000-468 **Prep Batch #...:** 1136468							
Arsenic	200	186	mg/kg	93	SW846 6010B	05/17/01	EDG691AU
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	50.0	47.3	mg/kg	95	SW846 6010B	05/17/01	EDG691AV
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	200	204	mg/kg	102	SW846 6010B	05/17/01	EDG691AW
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	5.00	5.13	mg/kg	103	SW846 6010B	05/17/01	EDG691AX
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	20.0	20.7	mg/kg	104	SW846 6010B	05/17/01	EDG691A0
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	5.00	5.22	mg/kg	104	SW846 6010B	05/17/01	EDG691A1
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	50.0	47.4	mg/kg	95	SW846 6010B	05/17/01	EDG691A2
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	200	178	mg/kg	89	SW846 6010B	05/17/01	EDG691A3
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	5.00	4.89	mg/kg	98	SW846 6010B	05/17/01	EDG691A4
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	50.0	51.3	mg/kg	102	SW846 6010B	05/17/01	EDG691A5
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	25.0	25.3	mg/kg	101	SW846 6010B	05/17/01	EDG691A6
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	100	99.6	mg/kg	100	SW846 6010B	05/17/01	EDG691A7
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	50.0	50.0	mg/kg	100	SW846 6010B	05/17/01	EDG691A8
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	200	196	mg/kg	98	SW846 6010B	05/17/01	EDG691A9
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	50.0	50.8	mg/kg	102	SW846 6010B	05/17/01	EDG691CA
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	50.0	50.0	mg/kg	100	SW846 6010B	05/17/01	EDG691CC
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	
Aluminum	200	181	mg/kg	91	SW846 6010B	05/17/01	EDG691CE
			Dilution Factor: 1				
			Analysis Time..: 21:03		Analyst ID.....: 003119	Instrument ID..: M01	

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E1E140185 **Work Order #...:** EDCTE1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E140000-480
Prep Date.....: 05/14/01 **Analysis Date..:** 05/15/01
Prep Batch #...: 1134480 **Analysis Time..:** 13:06
Dilution Factor: 1 **Instrument ID..:** G02
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**85**	**(60 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	92	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E1E140185 **Work Order #...:** EDCTE1AE **Matrix.....:** SOLID
LCS Lot-Sample#: E1E140000-480
Prep Date.....: 05/14/01 **Analysis Date..:** 05/16/01
Prep Batch #...: 1134480 **Analysis Time..:** 13:10
Dilution Factor: 1 **Instrument ID..:** G03
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**71**	**(60 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	79	(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 #...: E1E140185 **Work Order #...:** EDDF71AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E150000-229
Prep Date.....: 05/14/01 **Analysis Date..:** 05/14/01
Prep Batch #...: 1135229 **Analysis Time..:** 20:56
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 015590

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**107**	**(60 - 150)**	**SW846 8260B**
Benzene	**100**	**(70 - 140)**	**SW846 8260B**
Trichloroethene	**109**	**(70 - 130)**	**SW846 8260B**
Toluene	**97**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**99**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(70 - 130)
1,2-Dichloroethane-d4	98	(60 - 140)
Toluene-d8	96	(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 Volatiles

Client Lot #...: E1E140185 **Work Order #...:** EDELX1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E150000-429
Prep Date.....: 05/14/01 **Analysis Date..:** 05/14/01
Prep Batch #...: 1135429 **Analysis Time..:** 11:42
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**104**	**(80 - 140)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	114	(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 #...: E1E140185 **Work Order #...:** EDE3H1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1E150000-502
Prep Date.....: 05/15/01 **Analysis Date..:** 05/17/01
Prep Batch #...: 1135502 **Analysis Time..:** 19:40
Dilution Factor: 1 **Instrument ID..:** G8B
Analyst ID.....: 018568

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**110**	**(65 - 130)**	**SW846 8082**
Aroclor 1260	**101**	**(70 - 130)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	104	(60 - 140)
Tetrachloro-m-xylene	73	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1E150000-269 **Prep Batch #...:** 1135269					
Mercury	97	(85 - 115)	SW846 7471A	05/17/01	EDDNM1AC
		Dilution Factor: 1			
		Analysis Time..: 18:46	Analyst ID.....: 021088		Instrument ID..: M04
LCS Lot-Sample#: E1E150000-270 **Prep Batch #...:** 1135270					
Mercury	95	(85 - 115)	SW846 7471A	05/17/01	EDDNT1AC
		Dilution Factor: 1			
		Analysis Time..: 19:33	Analyst ID.....: 021088		Instrument ID..: M04
LCS Lot-Sample#: E1E160000-468 **Prep Batch #...:** 1136468					
Arsenic	93	(75 - 115)	SW846 6010B	05/17/01	EDG691AU
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Antimony	95	(75 - 115)	SW846 6010B	05/17/01	EDG691AV
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Barium	102	(80 - 120)	SW846 6010B	05/17/01	EDG691AW
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Cadmium	103	(80 - 120)	SW846 6010B	05/17/01	EDG691AX
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Chromium	104	(85 - 120)	SW846 6010B	05/17/01	EDG691A0
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Beryllium	104	(80 - 120)	SW846 6010B	05/17/01	EDG691A1
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Lead	95	(80 - 120)	SW846 6010B	05/17/01	EDG691A2
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	89	(70 - 115)	SW846 6010B	05/17/01	EDG691A3
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Silver	98	(80 - 120)	SW846 6010B	05/17/01	EDG691A4
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Cobalt	102	(80 - 120)	SW846 6010B	05/17/01	EDG691A5
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Copper	101	(80 - 120)	SW846 6010B	05/17/01	EDG691A6
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Molybdenum	100	(80 - 120)	SW846 6010B	05/17/01	EDG691A7
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Nickel	100	(80 - 120)	SW846 6010B	05/17/01	EDG691A8
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Thallium	98	(75 - 120)	SW846 6010B	05/17/01	EDG691A9
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Vanadium	102	(80 - 120)	SW846 6010B	05/17/01	EDG691CA
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Zinc	100	(80 - 120)	SW846 6010B	05/17/01	EDG691CC
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01
Aluminum	91	(80 - 120)	SW846 6010B	05/17/01	EDG691CE
		Dilution Factor: 1			
		Analysis Time..: 21:03	Analyst ID.....: 003119		Instrument ID..: M01

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...:	E1E140185	**Work Order #...:**	EC9DJ1AC-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E110287-173		EC9DJ1AD-MSD		
Date Sampled...:	05/11/01 11:26	**Date Received..:**	05/11/01 13:15	**MS Run #.....:**	1134253
Prep Date.....:	05/14/01	**Analysis Date..:**	05/16/01		
Prep Batch #...:	1134480	**Analysis Time..:**	11:13		
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**	**199**	**mg/kg**	**80**		**SW846 8015B**
	ND	**250**	**163**	**mg/kg**	**65**	**20**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	95	(60 - 130)
	76	(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 #...: E1E140185 **Work Order #...:** EDCCN1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: E1E140148-028 EDCCN1AF-MSD
Date Sampled...: 05/09/01 14:22 **Date Received..:** 05/12/01 12:45 **MS Run #.....:** 1135301
Prep Date.....: 05/15/01 **Analysis Date..:** 05/18/01
Prep Batch #...: 1135502 **Analysis Time..:** 00:19
Dilution Factor: 1 **Analyst ID.....:** 018568 **Instrument ID..:** G8B

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aroclor 1016	**ND**	**333**	**380**	**ug/kg**	**114**		**SW846 8082**
	ND	**333**	**373**	**ug/kg**	**112**	**1.7**	**SW846 8082**
Aroclor 1260	**ND**	**333**	**354**	**ug/kg**	**106**		**SW846 8082**
	ND	**333**	**359**	**ug/kg**	**108**	**1.5**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	103	(60 - 140)
	102	(60 - 140)
Tetrachloro-m-xylene	97	(60 - 140)
	102	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID
Date Sampled...: 05/11/01 11:10 **Date Received..:** 05/12/01 12:45

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT		UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1E140148-041 **Prep Batch #...:** 1135269										
Mercury										
	11.4	0.167	9.55	NC	mg/kg			SW846 7471A	05/17-05/18/01	EDCDR1A3
	11.4	0.167	10.6	NC	mg/kg			SW846 7471A	05/17-05/18/01	EDCDR1A4
			Dilution Factor: 10							
			Analysis Time..: 11:32			Instrument ID..: M04			Analyst ID.....: 021088	
			MS Run #.....: 1135120							
MS Lot-Sample #: E1E140148-041 **Prep Batch #...:** 1136468										
Aluminum										
	9690	200	14900	NC	mg/kg			SW846 6010B	05/17-05/18/01	EDCDR1DN
	9690	200	13500	NC	mg/kg			SW846 6010B	05/17-05/18/01	EDCDR1DP
			Dilution Factor: 5							
			Analysis Time..: 10:39			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223							
Antimony										
	1.5	50.0	21.4	N	mg/kg	40		SW846 6010B	05/17-05/18/01	EDCDR1CM
	1.5	50.0	21.7	N	mg/kg	40	1.6	SW846 6010B	05/17-05/18/01	EDCDR1CN
			Dilution Factor: 5							
			Analysis Time..: 10:39			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223							
Arsenic										
	18.7	200	246		mg/kg	114		SW846 6010B	05/17-05/18/01	EDCDR1CK
	18.7	200	246		mg/kg	114	0.08	SW846 6010B	05/17-05/18/01	EDCDR1CL
			Dilution Factor: 5							
			Analysis Time..: 10:39			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223							
Barium										
	785	200	1500	N	mg/kg	358		SW846 6010B	05/17-05/18/01	EDCDR1CP
	785	200	1560	N	mg/kg	389	4.0	SW846 6010B	05/17-05/18/01	EDCDR1CQ
			Dilution Factor: 5							
			Analysis Time..: 10:39			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223							
Beryllium										
	ND	5.00	5.40		mg/kg	108		SW846 6010B	05/17-05/18/01	EDCDR1CW
	ND	5.00	5.64		mg/kg	113	4.4	SW846 6010B	05/17-05/18/01	EDCDR1CX
			Dilution Factor: 5							
			Analysis Time..: 10:39			Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223							

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID
Date Sampled...: 05/11/01 11:10 **Date Received..:** 05/12/01 12:45

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium									
	17.0	5.00	14.9 N	mg/kg	0.0		SW846 6010B	05/17-05/18/01	EDCDR1CR
	17.0	5.00	17.7 N,*	mg/kg	14	200	SW846 6010B	05/17-05/18/01	EDCDR1CT
			Dilution Factor: 5						
			Analysis Time..: 10:39		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223						
Chromium									
	162	20.0	1010 NC	mg/kg			SW846 6010B	05/17-05/18/01	EDCDR1CU
	162	20.0	998 NC	mg/kg			SW846 6010B	05/17-05/18/01	EDCDR1CV
			Dilution Factor: 5						
			Analysis Time..: 10:39		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223						
Cobalt									
	20.7	50.0	91.2 N	mg/kg	141		SW846 6010B	05/17-05/18/01	EDCDR1C6
	20.7	50.0	99.7 N	mg/kg	158	8.8	SW846 6010B	05/17-05/18/01	EDCDR1C7
			Dilution Factor: 5						
			Analysis Time..: 10:39		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223						
Copper									
	50.3	25.0	170 N	mg/kg	478		SW846 6010B	05/17-05/18/01	EDCDR1C8
	50.3	25.0	168 N	mg/kg	469	1.3	SW846 6010B	05/17-05/18/01	EDCDR1C9
			Dilution Factor: 5						
			Analysis Time..: 10:39		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223						
Lead									
	577	50.0	3250 NC	mg/kg			SW846 6010B	05/17-05/18/01	EDCDR1C0
	577	50.0	3370 NC	mg/kg			SW846 6010B	05/17-05/18/01	EDCDR1C1
			Dilution Factor: 5						
			Analysis Time..: 10:39		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223						
Molybdenum									
	34.4	100	149	mg/kg	115		SW846 6010B	05/17-05/18/01	EDCDR1DA
	34.4	100	153	mg/kg	119	2.6	SW846 6010B	05/17-05/18/01	EDCDR1DC
			Dilution Factor: 5						
			Analysis Time..: 10:39		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223						
Nickel									
	30.7	50.0	73.3	mg/kg	85		SW846 6010B	05/17-05/18/01	EDCDR1DD
	30.7	50.0	77.6	mg/kg	94	5.8	SW846 6010B	05/17-05/18/01	EDCDR1DE
			Dilution Factor: 5						
			Analysis Time..: 10:39		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136223						

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID
Date Sampled...: 05/11/01 11:10 **Date Received..:** 05/12/01 12:45

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium									
	4.8	200	180	mg/kg	87		SW846 6010B	05/17-05/18/01	EDCDR1C2
	4.8	200	186	mg/kg	91	3.5	SW846 6010B	05/17-05/18/01	EDCDR1C3
				Dilution Factor: 5					
				Analysis Time..: 10:39	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1136223					
Silver									
	ND	5.00	4.71	mg/kg	94		SW846 6010B	05/17-05/18/01	EDCDR1C4
	ND	5.00	5.33	mg/kg	107	12	SW846 6010B	05/17-05/18/01	EDCDR1C5
				Dilution Factor: 5					
				Analysis Time..: 10:39	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1136223					
Thallium									
	3.6	200	172	mg/kg	84		SW846 6010B	05/17-05/18/01	EDCDR1DF
	3.6	200	178	mg/kg	87	3.4	SW846 6010B	05/17-05/18/01	EDCDR1DG
				Dilution Factor: 5					
				Analysis Time..: 10:39	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1136223					
Vanadium									
	31.3	50.0	73.4	mg/kg	84		SW846 6010B	05/17-05/18/01	EDCDR1DH
	31.3	50.0	74.9	mg/kg	87	2.1	SW846 6010B	05/17-05/18/01	EDCDR1DJ
				Dilution Factor: 5					
				Analysis Time..: 10:39	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1136223					
Zinc									
	495	50.0	1340 NC	mg/kg			SW846 6010B	05/17-05/18/01	EDCDR1DK
	495	50.0	1980 NC	mg/kg			SW846 6010B	05/17-05/18/01	EDCDR1DL
				Dilution Factor: 5					
				Analysis Time..: 10:39	Instrument ID..: M01			Analyst ID.....: 003119	
				MS Run #.....: 1136223					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

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

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1E140185	**Work Order #...:**	EDCR41A2-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E140185-002		EDCR41A3-MSD		
Date Sampled...:	05/10/01 11:20	**Date Received..:**	05/10/01 17:45	**MS Run #.....:**	1135098
Prep Date.....:	05/14/01	**Analysis Date..:**	05/14/01		
Prep Batch #...:	1135229	**Analysis Time..:**	22:57		
Dilution Factor:	1	**Analyst ID.....:**	015590	**Instrument ID..:**	MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**50.0**	**55.1**	**ug/kg**	**110**		**SW846 8260B**
	ND	**50.0**	**56.5**	**ug/kg**	**113**	**2.6**	**SW846 8260B**
Benzene	**ND**	**50.0**	**51.5**	**ug/kg**	**103**		**SW846 8260B**
	ND	**50.0**	**51.8**	**ug/kg**	**104**	**0.48**	**SW846 8260B**
Trichloroethene	**ND**	**50.0**	**54.6**	**ug/kg**	**109**		**SW846 8260B**
	ND	**50.0**	**55.7**	**ug/kg**	**111**	**2.1**	**SW846 8260B**
Toluene	**ND**	**50.0**	**49.9**	**ug/kg**	**100**		**SW846 8260B**
	ND	**50.0**	**50.4**	**ug/kg**	**101**	**0.97**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**50.7**	**ug/kg**	**101**		**SW846 8260B**
	ND	**50.0**	**50.6**	**ug/kg**	**101**	**0.11**	**SW846 8260B**

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

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:25 **Date Received..:** 05/10/01 17:45

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1E140185-003 **Prep Batch #...:** 1135270									
Mercury									
	0.043	0.167	0.207	mg/kg	98		SW846 7471A	05/17/01	EDCR81A2
	0.043	0.167	0.200	mg/kg	94	3.3	SW846 7471A	05/17/01	EDCR81A3

Dilution Factor: 1
Analysis Time..: 19:36 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 1135121

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E1E140185	**Work Order #...:**	EDCR81A4-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E140185-003		EDCR81A5-MSD		
Date Sampled...:	05/10/01 11:25	**Date Received..:**	05/10/01 17:45	**MS Run #.....:**	1135240
Prep Date.....:	05/14/01	**Analysis Date..:**	05/15/01		
Prep Batch #...:	1135429	**Analysis Time..:**	11:37		
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**	**5.09**	**mg/kg**	**102**		**SW846 8015B**
	ND	**5.00**	**5.05**	**mg/kg**	**101**	**0.93**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	114	(60 - 130)
	117	(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 #...:	E1E140185	**Work Order #...:**	EC9DJ1AC-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E110287-173		EC9DJ1AD-MSD		
Date Sampled...:	05/11/01 11:26	**Date Received..:**	05/11/01 13:15	**MS Run #.....:**	1134253
Prep Date.....:	05/14/01	**Analysis Date..:**	05/16/01		
Prep Batch #...:	1134480	**Analysis Time..:**	11:13		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**80**	**(60 - 130)**			**SW846 8015B**
	65	**(60 - 130)**	**20**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	95	(60 - 130)
	76	(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 #...:	E1E140185	**Work Order #...:**	EDCCN1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E140148-C28		EDCCN1AF-MSD		
Date Sampled...:	05/09/01 14:22	**Date Received..:**	05/12/01 12:45	**MS Run #.....:**	1135301
Prep Date.....:	05/15/01	**Analysis Date..:**	05/18/01		
Prep Batch #...:	1135502	**Analysis Time..:**	00:19		
Dilution Factor:	1	**Analyst ID.....:**	018568	**Instrument ID..:**	G8B

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**114**	**(65 - 130)**			**SW846 8082**
	112	**(65 - 130)**	**1.7**	**(0-30)**	**SW846 8082**
Aroclor 1260	**106**	**(70 - 130)**			**SW846 8082**
	108	**(70 - 130)**	**1.5**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	103	(60 - 140)
	102	(60 - 140)
Tetrachloro-m-xylene	97	(60 - 140)
	102	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID
Date Sampled...: 05/11/01 11:10 **Date Received..:** 05/12/01 12:45

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1E140148-041 **Prep Batch #...:** 1135269							
Mercury	NC	(80 - 120)			SW846 7471A	05/17-05/18/01	EDCDR1A3
	NC	(80 - 120)		(0-20)	SW846 7471A	05/17-05/18/01	EDCDR1A4
		Dilution Factor: 10					
		Analysis Time..: 11:32			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1135120					
MS Lot-Sample #: E1E140148-041 **Prep Batch #...:** 1136468							
Aluminum	NC	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1DN
	NC	(80 - 120)		(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1DP
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Antimony	40 N	(75 - 115)			SW846 6010B	05/17-05/18/01	EDCDR1CM
	40 N	(75 - 115)	1.6	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1CN
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Arsenic	114	(75 - 115)			SW846 6010B	05/17-05/18/01	EDCDR1CK
	114	(75 - 115)	0.08	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1CL
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Barium	358 N	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1CP
	389 N	(80 - 120)	4.0	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1CQ
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Beryllium	108	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1CW
	113	(80 - 120)	4.4	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1CX
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Cadmium	0.0 N	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1CR
	14 N,*	(80 - 120)	200	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1CT
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID
Date Sampled...: 05/11/01 11:10 **Date Received..:** 05/12/01 12:45

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	NC	(85 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1CU
	NC	(85 - 120)		(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1CV
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Cobalt	141 N	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1C6
	158 N	(80 - 120)	8.8	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1C7
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Copper	478 N	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1C8
	469 N	(80 - 120)	1.3	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1C9
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Lead	NC	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1C0
	NC	(80 - 120)		(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1C1
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Molybdenum	115	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1DA
	119	(80 - 120)	2.6	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1DC
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Nickel	85	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1DD
	94	(80 - 120)	5.8	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1DE
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Selenium	87	(70 - 115)			SW846 6010B	05/17-05/18/01	EDCDR1C2
	91	(70 - 115)	3.5	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1C3
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Silver	94	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1C4
	107	(80 - 120)	12	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1C5
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID
Date Sampled...: 05/11/01 11:10 **Date Received..:** 05/12/01 12:45

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	84	(75 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1DF
	87	(75 - 120)	3.4	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1DG
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Vanadium	84	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1DH
	87	(80 - 120)	2.1	(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1DJ
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					
Zinc	NC	(80 - 120)			SW846 6010B	05/17-05/18/01	EDCDR1DK
	NC	(80 - 120)		(0-25)	SW846 6010B	05/17-05/18/01	EDCDR1DL
		Dilution Factor: 5					
		Analysis Time..: 10:39			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136223					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1E140185	**Work Order #...:**	EDCR41A2-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E140185-002		EDCR41A3-MSD		
Date Sampled...:	05/10/01 11:20	**Date Received..:**	05/10/01 17:45	**MS Run #.....:**	1135098
Prep Date.....:	05/14/01	**Analysis Date..:**	05/14/01		
Prep Batch #...:	1135229	**Analysis Time..:**	22:57		
Dilution Factor:	1	**Analyst ID.....:**	015590	**Instrument ID..:**	MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**110**	**(60 - 150)**			**SW846 8260B**
	113	**(60 - 150)**	**2.6**	**(0-30)**	**SW846 8260B**
Benzene	**103**	**(70 - 140)**			**SW846 8260B**
	104	**(70 - 140)**	**0.48**	**(0-30)**	**SW846 8260B**
Trichloroethene	**109**	**(70 - 130)**			**SW846 8260B**
	111	**(70 - 130)**	**2.1**	**(0-30)**	**SW846 8260B**
Toluene	**100**	**(70 - 130)**			**SW846 8260B**
	101	**(70 - 130)**	**0.97**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**101**	**(70 - 130)**			**SW846 8260B**
	101	**(70 - 130)**	**0.11**	**(0-30)**	**SW846 8260B**

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

TOTAL Metals

Client Lot #...: E1E140185 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 11:25 **Date Received..:** 05/10/01 17:45

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1E140185-003 **Prep Batch #...:** 1135270							
Mercury	98	(80 - 120)			SW846 7471A	05/17/01	EDCR81A2
	94	(80 - 120)	3.3	(0-20)	SW846 7471A	05/17/01	EDCR81A3

Dilution Factor: 1
Analysis Time..: 19:36 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 1135121

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E1E140185 **Work Order #...:** EDCR81A4-MS **Matrix.....:** SOLID
MS Lot-Sample #: E1E140185-003 EDCR81A5-MSD
Date Sampled...: 05/10/01 11:25 **Date Received..:** 05/10/01 17:45 **MS Run #.....:** 1135240
Prep Date.....: 05/14/01 **Analysis Date..:** 05/15/01
Prep Batch #...: 1135429 **Analysis Time..:** 11:37
Dilution Factor: 1 **Analyst ID.....:** 001464 **Instrument ID..:** G16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**102**	**(80 - 140)**			**SW846 8015B**
	101	**(80 - 140)**	**0.93**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	114	(60 - 130)
	117	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters