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 21, 2001

STL LOT NUMBER: **E1E100312**
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 27 samples received under chain of custody by Severn Trent Laboratories (STL Los Angeles) on May 10, 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 000152 pages.

ACCREDITED IN ACCORDANCE WITH nelac

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

BOE-C6-0123063

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: KENNEDY-JENKS CONSULTANTS	Project Manager: BOB LOWN	Date: 5/10/01	Chain of Custody Number: 052409
Address: 2151 MICHELSON DR #100	Telephone Number (Area Code)/Fax Number: 949 261 1577	Lab Number: E1E100312	Page 1 of
City: IRVINE; State: CA; Zip Code: 92612	Site Contact: JAY KNIGHT	Lab Contact:	
Project Name and Location (State): BOEING C-6	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC	TPH	METALS	Special Instructions/ Conditions of Receipt
2-199-5	5/10/01	0852				X	X						X	X	X	
2-199-10		0859				X	X						X	X	X	
2-199-15		0906				X	X						X	X	X	
2-211-5		0936				X	X						X	X	X	
2-211-10		0940				X	X						X	X	X	
2-211-15		0947				X	X						X	X	X	
S24-5-5		1121				X	X						X			
S24-5-20		1131				X	X						X			
S24-5-25		1136				X	X						X			
S24-5-30		1144				X	X						X			
S24-5-40		1152				X	X						X			
S24-5-50		1201				X	X						X			

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5-DAY

QC Requirements (Specify):

1. Relinquished By	Date 5/10/01	Time 1630	1. Received By	Date 5-10-01	Time 1635
2. Relinquished By	Date 5-10-01	Time 1745	2. Received By	Date 5-10-01	Time 17:50
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments:

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

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BOE-C6-0123064

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: VIGNNOOY JONES CONSULTANTS	Project Manager: BOB LOGAN	Date: 5/10/01	Chain of Custody Number: 052410
Address: 2151 MICHELSON DR #100	Telephone Number (Area Code)/Fax Number: 949 261 1577	Lab Number	Page 2 of 3
City: IRVINE; State: CA; Zip Code: 92612	Site Contact: JAY KNIGHT	Lab Contact	
Project Name and Location (State): BOEING C-6	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

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 (Attach list if more space is needed): VOC	Special Instructions/ Conditions of Receipt
S-24-5-60	5/10/01	1207				X	X						X	
S24-6-10		1343				✓	✓						X	
S24-6-20		1352				X	X						X	
S24-6-25		1358				X	X						X	
S24-6-30		1413				X	X						X	
S24-6-40		1418				X	X						X	
S24-6-50		1424				X	X						X	
S24-6-60		1430				X	X						X	
S24-4-10		1543				X	X						X	
S24-4-20		1550				X	X						X	
S24-4-25		1554				X	X						X	
S24-4-30	✓	1600				X	X						X	

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 DAY

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5/10/01	1630	1. Received By	5-10-01	1630
2. Relinquished By	5-10-01	1745	2. Received By	5-10	17:45
3. Relinquished By			3. Received By		

Comments

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

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BOE-C6-0123065

[redacted]

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: Kaufman Banks Consultants	Project Manager: Bob Lewis	Date: 5/10/01	Chain of Custody Number: 052411
Address: 2151 Michelson	Telephone Number (Area Code)/Fax Number: 949/261-1577	Lab Number	Page 3 of 3
City: Irvine; State: CA; Zip Code: 92612	Site Contact: Jay Knight	Lab Contact	
Project Name and Location (State): Bonita C-6	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

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 (Attach list if more space is needed): VOC	Special Instructions/ Conditions of Receipt
S24-4-40	5/10/01	1607				X	X						X	
S24-4-50	5/10/01	1616				X	X						X	
S24-4-62	5/10/01	1626				X	X						X	

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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)

	Date	Time		Date	Time
1. Relinquished By	5/10/01	1630	1. Received By	5-10-01	1630
2. Relinquished By	5-10-01	1745	2. Received By	5-10-01	17:45
3. Relinquished By			3. Received By		

Comments

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

BOE-C6-0123066

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 05-10-2001

Quantims Lot #: E1E100312

Quote #: 38629

Client Name: Kennedy Jenks

Project: Boeing C-6

Received by: A Ricolta

Date/Time Received: 05/10 1750

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

Initial / Date

Custody Seal Status: ☐Intact ☐Broken ☒None ..... AR 5/10/01

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 RS .....

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	1-6	7-27									PH
VOAh *											N/A
Psleeve	1	3									—
Bsleeve		1									—

H:HCl Na:Sodium Hydroxide Zn:Zinc Acetate/Sodium Hydroxide S: H2SO4 N:HNO3 N/F:HNO3-Field Filtered N/L:HNO3-Lab Filtered

CGL: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: Pacolta 5/10/01 REVIEWED BY/DATE: J Strait 5-11-01

000005

BOE-C6-0123067

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_5_5

GC/MS Volatiles

Lot-Sample #...: E1E100312-007
Date Sampled...: 05/10/01 11:21
Prep Date.....: 05/12/01
Prep Batch #...: 1134267
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EC6091AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/12/01
Analysis Time..: 03:37

Instrument ID..: MSG
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1134131

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	**11**	**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: S24_5_5

GC/MS Volatiles

Lot-Sample #...: E1E100312-007 Work Order #...: EC6091AA 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	98	(70 - 130)
1,2-Dichloroethane-d4	92	(60 - 140)
Toluene-d8	102	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_5_20

GC/MS Volatiles

Lot-Sample #...: E1E100312-008
Date Sampled...: 05/10/01 11:31
Prep Date.....: 05/12/01
Prep Batch #...: 1134267
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EC61A1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/12/01
Analysis Time..: 04:09

Instrument ID..: MSG
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1134131

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	**5.9**	**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	**5.1**	**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	**58**	**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: S24_5_20

GC/MS Volatiles

Lot-Sample #...: E1E100312-008 Work Order #...: EC61A1AA 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	98	(60 - 140)
Toluene-d8	105	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_5_25

GC/MS Volatiles

Lot-Sample #...: E1E100312-009
Date Sampled...: 05/10/01 11:36
Prep Date.....: 05/14/01
Prep Batch #...: 1135227
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EC61C1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/14/01
Analysis Time..: 13:50

Instrument ID..: MSG
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1135099

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	**3.8 J**	**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: S24_5_25

GC/MS Volatiles

Lot-Sample #...: E1E100312-009 **Work Order #...:** EC61C1AA **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	103	(70 - 130)
1,2-Dichloroethane-d4	93	(60 - 140)
Toluene-d8	106	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_5_30

GC/MS Volatiles

Lot-Sample #...: E1E100312-010
Date Sampled...: 05/10/01 11:44
Prep Date.....: 05/14/01
Prep Batch #...: 1135227
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EC61D1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/14/01
Analysis Time..: 18:44

Instrument ID..: MSG
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1135099

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_5_30

GC/MS Volatiles

Lot-Sample #...: E1E100312-010 Work Order #...: EC61D1AA 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	101	(70 - 130)
1,2-Dichloroethane-d4	92	(60 - 140)
Toluene-d8	103	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_5_40

GC/MS Volatiles

Lot-Sample #...: E1E100312-011
Date Sampled...: 05/10/01 11:52
Prep Date.....: 05/12/01
Prep Batch #...: 1134267
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EC61E1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/12/01
Analysis Time..: 05:47

Instrument ID..: MSG
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1134131

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	**4.3 J**	**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	**6.2**	**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	**3.3 J**	**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	**64**	**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: S24_5_40

GC/MS Volatiles

Lot-Sample #...: E1E100312-011 **Work Order #...:** EC61E1AA **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	101	(70 - 130)
1,2-Dichloroethane-d4	99	(60 - 140)
Toluene-d8	104	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_5_50

GC/MS Volatiles

Lot-Sample #...: E1E100312-012
Date Sampled...: 05/10/01 12:01
Prep Date.....: 05/16/01
Prep Batch #...: 1137297
Dilution Factor: 10
Analyst ID.....: 004648

Work Order #...: EC61F1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/17/01
Analysis Time..: 10:27

Instrument ID..: MSG
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1137161

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	5000	ug/kg	1700
Chloromethane	ND	5000	ug/kg	2000
Vinyl chloride	ND	5000	ug/kg	1500
Bromomethane	ND	5000	ug/kg	2500
Chloroethane	ND	5000	ug/kg	2500
Trichlorofluoromethane	ND	5000	ug/kg	700
Acrolein	ND	50000	ug/kg	20000
1,1-Dichloroethene	ND	2500	ug/kg	1200
Iodomethane	ND	5000	ug/kg	2500
Acetone	ND	12000	ug/kg	4000
Carbon disulfide	ND	2500	ug/kg	1000
Methylene chloride	ND	2500	ug/kg	500
trans-1,2-Dichloroethene	ND	2500	ug/kg	1200
Acrylonitrile	ND	25000	ug/kg	20000
Methyl tert-butyl ether	ND	2500	ug/kg	1000
1,1-Dichloroethane	ND	2500	ug/kg	1000
Vinyl acetate	ND	5000	ug/kg	2500
2,2-Dichloropropane	ND	2500	ug/kg	600
cis-1,2-Dichloroethene	ND	2500	ug/kg	1000
2-Butanone	ND	12000	ug/kg	5000
Bromochloromethane	ND	2500	ug/kg	750
Chloroform	ND	2500	ug/kg	700
Tetrahydrofuran	ND	10000	ug/kg	5000
1,1,1-Trichloroethane	**820 J**	**2500**	**ug/kg**	**700**
1,1-Dichloropropene	ND	2500	ug/kg	1000
Carbon tetrachloride	ND	2500	ug/kg	600
Benzene	ND	2500	ug/kg	1000
1,2-Dichloroethane	ND	2500	ug/kg	700
Trichloroethene	**82000**	**2500**	**ug/kg**	**600**
1,2-Dichloropropane	ND	2500	ug/kg	1000
Bromodichloromethane	ND	2500	ug/kg	1000
2-Chloroethyl vinyl ether	ND	5000	ug/kg	2500
cis-1,3-Dichloropropene	ND	2500	ug/kg	1000
4-Methyl-2-pentanone	ND	12000	ug/kg	4000
Toluene	ND	2500	ug/kg	600
trans-1,3-Dichloropropene	ND	2500	ug/kg	700
1,1,2-Trichloroethane	ND	2500	ug/kg	1000

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_5_50

GC/MS Volatiles

Lot-Sample #...: E1E100312-012 Work Order #...: EC61F1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	2500	ug/kg	800
2-Hexanone	ND	12000	ug/kg	3000
Dibromochloromethane	ND	2500	ug/kg	1000
1,2-Dibromoethane	ND	2500	ug/kg	700
Chlorobenzene	ND	2500	ug/kg	1000
Ethylbenzene	ND	2500	ug/kg	700
Xylenes (total)	ND	2500	ug/kg	1700
Styrene	ND	5000	ug/kg	1000
Bromoform	ND	2500	ug/kg	1000
Isopropylbenzene	ND	2500	ug/kg	1200
p-Isopropyltoluene	ND	2500	ug/kg	700
Bromobenzene	ND	2500	ug/kg	700
1,1,1,2-Tetrachloroethane	ND	2500	ug/kg	500
1,1,2,2-Tetrachloroethane	ND	2500	ug/kg	1000
1,2,3-Trichloropropane	ND	2500	ug/kg	1100
n-Propylbenzene	ND	2500	ug/kg	1100
2-Chlorotoluene	ND	2500	ug/kg	700
4-Chlorotoluene	ND	2500	ug/kg	700
1,3,5-Trimethylbenzene	ND	2500	ug/kg	1200
tert-Butylbenzene	ND	2500	ug/kg	700
1,2,4-Trimethylbenzene	**1500 J**	**2500**	**ug/kg**	**700**
sec-Butylbenzene	ND	2500	ug/kg	700
1,3-Dichlorobenzene	ND	2500	ug/kg	700
1,4-Dichlorobenzene	ND	2500	ug/kg	1000
1,2-Dichlorobenzene	ND	2500	ug/kg	1000
n-Butylbenzene	ND	2500	ug/kg	700
1,2-Dibromo-3-chloro-propane	ND	5000	ug/kg	1500
1,2,4-Trichloro-benzene	ND	2500	ug/kg	700
Hexachlorobutadiene	ND	2500	ug/kg	700
1,2,3-Trichlorobenzene	ND	2500	ug/kg	700

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	0.0 SRD,NC	(60 - 140)
1,2-Dichloroethane-d4	0.0 SRD,NC	(60 - 140)
Toluene-d8	0.0 SRD,NC	(60 - 140)

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_5_60

GC/MS Volatiles

Lot-Sample #...: E1E100312-013 **Work Order #...:** EC61G1AA **Matrix.....:** SOLID
Date Sampled...: 05/10/01 12:07 **Date Received..:** 05/10/01 17:50 **MS Run #.....:** 1137223
Prep Date.....: 05/16/01 **Analysis Date..:** 05/16/01
Prep Batch #...: 1137379 **Analysis Time..:** 14:02
Dilution Factor: 5
Analyst ID.....: 004648 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	50	ug/kg	5.0
Chloromethane	ND	50	ug/kg	15
Vinyl chloride	ND	50	ug/kg	10
Bromomethane	ND	50	ug/kg	10
Chloroethane	ND	50	ug/kg	10
Trichlorofluoromethane	ND	50	ug/kg	10
Acrolein	ND	500	ug/kg	150
1,1-Dichloroethene	ND	25	ug/kg	10
Iodomethane	ND	50	ug/kg	25
Acetone	ND	120	ug/kg	75
Carbon disulfide	ND	25	ug/kg	10
Methylene chloride	ND	25	ug/kg	15
trans-1,2-Dichloroethene	ND	25	ug/kg	10
Acrylonitrile	ND	250	ug/kg	150
Methyl tert-butyl ether	ND	25	ug/kg	5.0
1,1-Dichloroethane	ND	25	ug/kg	5.0
Vinyl acetate	ND	50	ug/kg	25
2,2-Dichloropropane	ND	25	ug/kg	10
cis-1,2-Dichloroethene	ND	25	ug/kg	10
2-Butanone	ND	120	ug/kg	75
Bromochloromethane	ND	25	ug/kg	5.0
Chloroform	ND	25	ug/kg	5.0
Tetrahydrofuran	ND	100	ug/kg	50
1,1,1-Trichloroethane	ND	25	ug/kg	5.0
1,1-Dichloropropene	ND	25	ug/kg	5.0
Carbon tetrachloride	ND	25	ug/kg	5.0
Benzene	ND	25	ug/kg	10
1,2-Dichloroethane	ND	25	ug/kg	5.0
Trichloroethene	**310**	**25**	**ug/kg**	**10**
1,2-Dichloropropane	ND	25	ug/kg	5.0
Bromodichloromethane	ND	25	ug/kg	5.0
2-Chloroethyl vinyl ether	ND	50	ug/kg	25
cis-1,3-Dichloropropene	ND	25	ug/kg	5.0
4-Methyl-2-pentanone	ND	120	ug/kg	50
Toluene	ND	25	ug/kg	10
trans-1,3-Dichloropropene	ND	25	ug/kg	15
1,1,2-Trichloroethane	ND	25	ug/kg	15

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_5_60

GC/MS Volatiles

Lot-Sample #...: E1E100312-013 **Work Order #...:** EC61G1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	25	ug/kg	10
2-Hexanone	ND	120	ug/kg	50
Dibromochloromethane	ND	25	ug/kg	25
1,2-Dibromoethane	ND	25	ug/kg	15
Chlorobenzene	ND	25	ug/kg	10
Ethylbenzene	ND	25	ug/kg	10
Xylenes (total)	ND	25	ug/kg	15
Styrene	ND	50	ug/kg	10
Bromoform	ND	25	ug/kg	15
Isopropylbenzene	ND	25	ug/kg	10
p-Isopropyltoluene	ND	25	ug/kg	10
Bromobenzene	ND	25	ug/kg	10
1,1,1,2-Tetrachloroethane	ND	25	ug/kg	15
1,1,2,2-Tetrachloroethane	ND	25	ug/kg	15
1,2,3-Trichloropropane	ND	25	ug/kg	15
n-Propylbenzene	ND	25	ug/kg	10
2-Chlorotoluene	ND	25	ug/kg	10
4-Chlorotoluene	ND	25	ug/kg	10
1,3,5-Trimethylbenzene	ND	25	ug/kg	10
tert-Butylbenzene	ND	25	ug/kg	10
1,2,4-Trimethylbenzene	ND	25	ug/kg	10
sec-Butylbenzene	ND	25	ug/kg	10
1,3-Dichlorobenzene	ND	25	ug/kg	10
1,4-Dichlorobenzene	ND	25	ug/kg	10
1,2-Dichlorobenzene	ND	25	ug/kg	10
n-Butylbenzene	ND	25	ug/kg	10
1,2-Dibromo-3-chloro-propane	ND	50	ug/kg	15
1,2,4-Trichloro-benzene	ND	25	ug/kg	10
Hexachlorobutadiene	ND	25	ug/kg	10
1,2,3-Trichlorobenzene	ND	25	ug/kg	10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(70 - 130)
1,2-Dichloroethane-d4	96	(60 - 140)
Toluene-d8	97	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_6_10

GC/MS Volatiles

Lot-Sample #...: E1E100312-014
Date Sampled...: 05/10/01 13:43
Prep Date.....: 05/12/01
Prep Batch #...: 1134437
Dilution Factor: 1
Analyst ID.....: 015590

Work Order #...: EC61H1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/12/01
Analysis Time..: 00:29

Instrument ID..: MSD
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1134104

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	**9.3**	**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: S24_6_10

GC/MS Volatiles

Lot-Sample #...: E1E100312-014 **Work Order #...:** EC61H1AA **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	90	(70 - 130)
1,2-Dichloroethane-d4	89	(60 - 140)
Toluene-d8	97	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_6_20

GC/MS Volatiles

Lot-Sample #...: E1E100312-015 **Work Order #...:** EC61J1AA **Matrix.....:** SOLID
Date Sampled...: 05/10/01 13:52 **Date Received..:** 05/10/01 17:50 **MS Run #.....:** 1134104
Prep Date.....: 05/12/01 **Analysis Date..:** 05/12/01
Prep Batch #...: 1134437 **Analysis Time..:** 00:59
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	**2.3 J**	**5.0**	**ug/kg**	**2.0**
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	**3.3 J**	**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	**7.6**	**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	**5.0**	**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	**140**	**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: S24_6_20

GC/MS Volatiles

Lot-Sample #...: E1E100312-015 Work Order #...: EC61J1AA 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	90	(70 - 130)
1,2-Dichloroethane-d4	87	(60 - 140)
Toluene-d8	97	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_6_25

GC/MS Volatiles

Lot-Sample #...: E1E100312-016
Date Sampled...: 05/10/01 13:58
Prep Date.....: 05/12/01
Prep Batch #...: 1134437
Dilution Factor: 1
Analyst ID.....: 015590

Work Order #...: EC61K1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/12/01
Analysis Time..: 01:30

Instrument ID..: MSD
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1134104

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	**2.8 J**	**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	**48**	**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: S24_6_25

GC/MS Volatiles

Lot-Sample #...: E1E100312-016 Work Order #...: EC61K1AA 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	90	(70 - 130)
1,2-Dichloroethane-d4	89	(60 - 140)
Toluene-d8	98	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_6_30

GC/MS Volatiles

Lot-Sample #...: E1E100312-017 **Work Order #...:** EC61M1AA **Matrix.....:** SOLID
Date Sampled...: 05/10/01 14:13 **Date Received..:** 05/10/01 17:50 **MS Run #.....:** 1134104
Prep Date.....: 05/12/01 **Analysis Date..:** 05/12/01
Prep Batch #...: 1134437 **Analysis Time..:** 03:01
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	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	**28**	**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: S24_6_30

GC/MS Volatiles

Lot-Sample #...: E1E100312-017 Work Order #...: EC61M1AA 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	91	(70 - 130)
1,2-Dichloroethane-d4	89	(60 - 140)
Toluene-d8	98	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_6_40

GC/MS Volatiles

Lot-Sample #...: E1E100312-018
Date Sampled...: 05/10/01 14:18
Prep Date.....: 05/14/01
Prep Batch #...: 1135227
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EC61N1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/14/01
Analysis Time..: 20:22

Instrument ID..: MSG
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1135099

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	**7.6**	**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: S24_6_40

GC/MS Volatiles

Lot-Sample #...: E1E100312-018 Work Order #...: EC61N1AA 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	85	(60 - 140)
Toluene-d8	96	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_6_50

GC/MS Volatiles

Lot-Sample #...: E1E100312-019
Date Sampled...: 05/10/01 14:24
Prep Date.....: 05/12/01
Prep Batch #...: 1134437
Dilution Factor: 1
Analyst ID.....: 015590

Work Order #...: EC61P1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/12/01
Analysis Time..: 04:01

Instrument ID..: MSD
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1134104

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	**2.7 J**	**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	**5.8**	**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	**100**	**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: S24_6_50

GC/MS Volatiles

Lot-Sample #...: E1E100312-019 Work Order #...: EC61P1AA 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	93	(70 - 130)
1,2-Dichloroethane-d4	90	(60 - 140)
Toluene-d8	100	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_6_60

GC/MS Volatiles

Lot-Sample #...: E1E100312-020
Date Sampled...: 05/10/01 14:30
Prep Date.....: 05/16/01
Prep Batch #...: 1137297
Dilution Factor: 20
Analyst ID.....: 004648

Work Order #...: EC61Q1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/17/01
Analysis Time..: 12:37

Instrument ID..: MSG
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1137161

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10000	ug/kg	3400
Chloromethane	ND	10000	ug/kg	4000
Vinyl chloride	ND	10000	ug/kg	3000
Bromomethane	ND	10000	ug/kg	5000
Chloroethane	ND	10000	ug/kg	5000
Trichlorofluoromethane	ND	10000	ug/kg	1400
Acrolein	ND	100000	ug/kg	40000
1,1-Dichloroethene	ND	5000	ug/kg	2400
Iodomethane	ND	10000	ug/kg	5000
Acetone	ND	25000	ug/kg	8000
Carbon disulfide	ND	5000	ug/kg	2000
Methylene chloride	ND	5000	ug/kg	1000
trans-1,2-Dichloroethene	ND	5000	ug/kg	2400
Acrylonitrile	ND	50000	ug/kg	40000
Methyl tert-butyl ether	ND	5000	ug/kg	2000
1,1-Dichloroethane	ND	5000	ug/kg	2000
Vinyl acetate	ND	10000	ug/kg	5000
2,2-Dichloropropane	ND	5000	ug/kg	1200
cis-1,2-Dichloroethene	ND	5000	ug/kg	2000
2-Butanone	ND	25000	ug/kg	10000
Bromochloromethane	ND	5000	ug/kg	1500
Chloroform	ND	5000	ug/kg	1400
Tetrahydrofuran	ND	20000	ug/kg	10000
1,1,1-Trichloroethane	ND	5000	ug/kg	1400
1,1-Dichloropropene	ND	5000	ug/kg	2000
Carbon tetrachloride	ND	5000	ug/kg	1200
Benzene	ND	5000	ug/kg	2000
1,2-Dichloroethane	ND	5000	ug/kg	1400
Trichloroethene	**340000**	**5000**	**ug/kg**	**1200**
1,2-Dichloropropane	ND	5000	ug/kg	2000
Bromodichloromethane	ND	5000	ug/kg	2000
2-Chloroethyl vinyl ether	ND	10000	ug/kg	5000
cis-1,3-Dichloropropene	ND	5000	ug/kg	2000
4-Methyl-2-pentanone	ND	25000	ug/kg	8000
Toluene	ND	5000	ug/kg	1200
trans-1,3-Dichloropropene	ND	5000	ug/kg	1400
1,1,2-Trichloroethane	ND	5000	ug/kg	2000

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_6_60

GC/MS Volatiles

Lot-Sample #...: E1E100312-020 **Work Order #...:** EC61Q1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tetrachloroethene	ND	5000	ug/kg	1600
2-Hexanone	ND	25000	ug/kg	6000
Dibromochloromethane	ND	5000	ug/kg	2000
1,2-Dibromoethane	ND	5000	ug/kg	1400
Chlorobenzene	ND	5000	ug/kg	2000
Ethylbenzene	ND	5000	ug/kg	1400
Xylenes (total)	ND	5000	ug/kg	3400
Styrene	ND	10000	ug/kg	2000
Bromoform	ND	5000	ug/kg	2000
Isopropylbenzene	ND	5000	ug/kg	2400
p-Isopropyltoluene	ND	5000	ug/kg	1400
Bromobenzene	ND	5000	ug/kg	1400
1,1,1,2-Tetrachloroethane	ND	5000	ug/kg	1000
1,1,2,2-Tetrachloroethane	ND	5000	ug/kg	2000
1,2,3-Trichloropropane	ND	5000	ug/kg	2200
n-Propylbenzene	ND	5000	ug/kg	2200
2-Chlorotoluene	ND	5000	ug/kg	1400
4-Chlorotoluene	ND	5000	ug/kg	1400
1,3,5-Trimethylbenzene	ND	5000	ug/kg	2400
tert-Butylbenzene	ND	5000	ug/kg	1400
1,2,4-Trimethylbenzene	**4000 J**	**5000**	**ug/kg**	**1400**
sec-Butylbenzene	ND	5000	ug/kg	1400
1,3-Dichlorobenzene	ND	5000	ug/kg	1400
1,4-Dichlorobenzene	ND	5000	ug/kg	2000
1,2-Dichlorobenzene	ND	5000	ug/kg	2000
n-Butylbenzene	**1900 J**	**5000**	**ug/kg**	**1400**
1,2-Dibromo-3-chloro-propane	ND	10000	ug/kg	3000
1,2,4-Trichloro-benzene	ND	5000	ug/kg	1400
Hexachlorobutadiene	ND	5000	ug/kg	1400
1,2,3-Trichlorobenzene	ND	5000	ug/kg	1400

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	0.0 SRD,NC	(60 - 140)
1,2-Dichloroethane-d4	0.0 SRD,NC	(60 - 140)
Toluene-d8	0.0 SRD,NC	(60 - 140)

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_4_10

GC/MS Volatiles

Lot-Sample #...: E1E100312-021
Date Sampled...: 05/10/01 15:43
Prep Date.....: 05/15/01
Prep Batch #...: 1136330
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EC61T1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/15/01
Analysis Time..: 16:58

Instrument ID..: MSG
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1136131

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_4_10

GC/MS Volatiles

Lot-Sample #...: E1E100312-021 Work Order #...: EC61T1AA 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	98	(70 - 130)
1,2-Dichloroethane-d4	93	(60 - 140)
Toluene-d8	101	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_4_20

GC/MS Volatiles

Lot-Sample #...: E1E100312-022
Date Sampled...: 05/10/01 15:50
Prep Date.....: 05/14/01
Prep Batch #...: 1135227
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EC61V1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/14/01
Analysis Time..: 21:28

Instrument ID..: MSG
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1135099

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	**2.7 J**	**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	**4.1 J**	**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	**4.4 J**	**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	**100**	**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: S24_4_20

GC/MS Volatiles

Lot-Sample #...: E1E100312-022 Work Order #...: EC61V1AA 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	96	(70 - 130)
1,2-Dichloroethane-d4	93	(60 - 140)
Toluene-d8	101	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_4_25

GC/MS Volatiles

Lot-Sample #...: E1E100312-023
Date Sampled...: 05/10/01 15:54
Prep Date.....: 05/12/01
Prep Batch #...: 1134437
Dilution Factor: 1
Analyst ID.....: 015590

Work Order #...: EC61W1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/12/01
Analysis Time..: 06:03

Instrument ID..: MSD
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1134104

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	**20**	**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: S24_4_25

GC/MS Volatiles

Lot-Sample #...: E1E100312-023 Work Order #...: EC61W1AA 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	87	(70 - 130)
1,2-Dichloroethane-d4	88	(60 - 140)
Toluene-d8	98	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_4_30

GC/MS Volatiles

Lot-Sample #...: E1E100312-024
Date Sampled...: 05/10/01 16:00
Prep Date.....: 05/12/01
Prep Batch #...: 1134437
Dilution Factor: 1
Analyst ID.....: 015590

Work Order #...: EC61X1AA
Date Received..: 05/10/01 17:50
Analysis Date..: 05/12/01
Analysis Time..: 06:33

Instrument ID..: MSD
Method.....: SW846 8260B

Matrix.....: SOLID
MS Run #.....: 1134104

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	**19**	**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: S24_4_30

GC/MS Volatiles

Lot-Sample #...: E1E100312-024 Work Order #...: EC61X1AA 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	89	(70 - 130)
1,2-Dichloroethane-d4	88	(60 - 140)
Toluene-d8	96	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_4_40

GC/MS Volatiles

Lot-Sample #...: E1E100312-025 **Work Order #...:** EC6181AA **Matrix.....:** SOLID
Date Sampled...: 05/10/01 16:07 **Date Received..:** 05/10/01 17:50 **MS Run #.....:** 1134104
Prep Date.....: 05/12/01 **Analysis Date..:** 05/12/01
Prep Batch #...: 1134437 **Analysis Time..:** 07:03
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	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	**2.7 J**	**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	**52**	**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: S24_4_40

GC/MS Volatiles

Lot-Sample #...: E1E100312-025 Work Order #...: EC6181AA 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	90	(70 - 130)
1,2-Dichloroethane-d4	90	(60 - 140)
Toluene-d8	96	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_4_50

GC/MS Volatiles

Lot-Sample #...: E1E100312-026 **Work Order #...:** EC62A1AA **Matrix.....:** SOLID
Date Sampled...: 05/10/01 16:16 **Date Received..:** 05/10/01 17:50 **MS Run #.....:** 1134104
Prep Date.....: 05/12/01 **Analysis Date..:** 05/12/01
Prep Batch #...: 1134437 **Analysis Time..:** 07:34
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	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	**2.0 J**	**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	**2.1 J**	**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	**2.6 J**	**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	**150**	**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: S24_4_50

GC/MS Volatiles

Lot-Sample #...: E1E100312-026 Work Order #...: EC62A1AA 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	89	(70 - 130)
1,2-Dichloroethane-d4	90	(60 - 140)
Toluene-d8	99	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: S24_4_62

GC/MS Volatiles

Lot-Sample #...: E1E100312-027 **Work Order #...:** EC62E1AA **Matrix.....:** SOLID
Date Sampled...: 05/10/01 16:26 **Date Received..:** 05/10/01 17:50 **MS Run #.....:** 1134104
Prep Date.....: 05/12/01 **Analysis Date..:** 05/12/01
Prep Batch #...: 1134437 **Analysis Time..:** 08:04
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	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	**190**	**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: S24_4_62

GC/MS Volatiles

Lot-Sample #...: E1E100312-027 Work Order #...: EC62E1AA 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	90	(70 - 130)
1,2-Dichloroethane-d4	89	(60 - 140)
Toluene-d8	98	(70 - 130)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_199_5

TOTAL Metals

Lot-Sample #...: E1E100312-001 Matrix.....: SOLID
Date Sampled...: 05/10/01 08:52 Date Received..: 05/10/01 17:50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1134385						
Mercury	0.034 B	0.10	mg/kg	SW846 7471A	05/15-05/16/01	EC60P1A0
		Dilution Factor: 1		Analysis Time..: 11:50	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1134181	MDL.....: 0.020	
Prep Batch #...: 1136333						
Silver	ND	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AT
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031191	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Aluminum	28800	20.0	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AE
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 8.0	
Arsenic	3.5	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AG
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Barium	187	2.0	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AH
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Beryllium	0.83	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AJ
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AK
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cobalt	11.2	5.0	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AL
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Chromium	30.2	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AX
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_199_5

TOTAL Metals

Lot-Sample #...: E1E100312-001

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**20.7**	**2.5**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC60P1AM**
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AP
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Nickel	**22.3**	**4.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC60P1AQ**
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Lead	**6.2**	**0.50**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC60P1AN**
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Vanadium	**59.8**	**5.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC60P1AV**
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AF
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC60P1AR
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Thallium	**1.6**	**1.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC60P1AU**
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.50	
Zinc	**56.1**	**2.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC60P1AW**
		Dilution Factor: 1		Analysis Time..: 06:45	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_199_10

TOTAL Metals

Lot-Sample #...: E1E100312-002 Matrix.....: SOLID
Date Sampled...: 05/10/01 08:59 Date Received..: 05/10/01 17:50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1134385						
Mercury	0.049 B	0.10	mg/kg	SW846 7471A	05/15-05/16/01	EC6031AA
		Dilution Factor: 1		Analysis Time..: 11:53	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1134181	MDL.....: 0.020	
Prep Batch #...: 1136333						
Silver	ND	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AU
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031191	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Aluminum	22500	20.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AF
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 8.0	
Arsenic	4.5	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AH
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Barium	142	2.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AJ
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Beryllium	0.65	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AK
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AL
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cobalt	11.1	5.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AM
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Chromium	29.1	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031A0
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_199_10

TOTAL Metals

Lot-Sample #...: E1E100312-002

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AQ
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Copper	30.9	2.5	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AN
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Nickel	21.5	4.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AR
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Lead	6.1	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AP
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AG
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AT
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Thallium	1.4	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AV
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.50	
Vanadium	58.7	5.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AW
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Zinc	63.7	2.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6031AX
		Dilution Factor: 1		Analysis Time..: 07:15	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_199_15

TOTAL Metals

Lot-Sample #...: E1E100312-003 Matrix.....: SOLID
Date Sampled...: 05/10/01 09:06 Date Received..: 05/10/01 17:50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1134385						
Mercury	0.070 B	0.10	mg/kg	SW846 7471A	05/15-05/16/01	EC6051AA
		Dilution Factor: 1		Analysis Time..: 11:55	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1134181	MDL.....: 0.020	
Prep Batch #...: 1136333						
Silver	ND	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6051AU
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031191	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Aluminum	26600	20.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6051AF
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 8.0	
Arsenic	5.1	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6051AH
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Barium	178	2.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6051AJ
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Beryllium	0.77	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6051AK
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6051AL
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cobalt	15.9	5.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6051AM
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Chromium	31.6	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6051A0
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_199_15

TOTAL Metals

Lot-Sample #...: E1E100312-003

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**34.0**	**2.5**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6051AN**
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6051AQ
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Nickel	**22.4**	**4.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6051AR**
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Lead	**7.8**	**0.50**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6051AP**
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6051AG
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6051AT
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Vanadium	**70.3**	**5.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6051AW**
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Thallium	**1.5**	**1.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6051AV**
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.50	
Zinc	**85.3**	**2.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6051AX**
		Dilution Factor: 1		Analysis Time..: 07:21	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_211_5

TOTAL Metals

Lot-Sample #...: E1E100312-004 Matrix.....: SOLID
Date Sampled...: 05/10/01 09:36 Date Received..: 05/10/01 17:50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1134385						
Mercury	**0.047 B**	**0.10**	**mg/kg**	**SW846 7471A**	**05/15-05/16/01**	**EC6061AA**
		Dilution Factor: 1		Analysis Time..: 11:57	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1134181	MDL.....: 0.020	
Prep Batch #...: 1136333						
Silver	ND	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6061AU
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031191	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Aluminum	**23900**	**20.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AF**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 8.0	
Arsenic	**4.1**	**1.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AH**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Barium	**172**	**2.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AJ**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Beryllium	**0.69**	**0.50**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AK**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6061AL
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cobalt	**12.5**	**5.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AM**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Chromium	**27.7**	**1.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061A0**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_211_5

TOTAL Metals

Lot-Sample #...: E1E100312-004

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**28.4**	**2.5**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AN**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6061AQ
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Nickel	**20.2**	**4.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AR**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Lead	**6.5**	**0.50**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AP**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6061AG
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6061AT
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Thallium	**1.0**	**1.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AV**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.50	
Vanadium	**60.2**	**5.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AW**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Zinc	**69.9**	**2.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6061AX**
		Dilution Factor: 1		Analysis Time..: 07:30	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_211_10

TOTAL Metals

Lot-Sample #...: E1E100312-005 Matrix.....: SOLID
Date Sampled...: 05/10/01 09:40 Date Received..: 05/10/01 17:50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1134385						
Mercury	**0.054 B**	**0.10**	**mg/kg**	**SW846 7471A**	**05/15-05/16/01**	**EC6071AA**
		Dilution Factor: 1		Analysis Time..: 11:59	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1134281	MDL.....: 0.020	
Prep Batch #...: 1136333						
Silver	ND	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6071AU
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031191	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Aluminum	**22100**	**20.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AF**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 8.0	
Arsenic	**4.4**	**1.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AH**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Barium	**120**	**2.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AJ**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Beryllium	**0.66**	**0.50**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AK**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6071AL
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cobalt	**12.0**	**5.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AM**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Chromium	**26.5**	**1.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071A0**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_211_10

TOTAL Metals

Lot-Sample #...: E1E100312-005

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**28.5**	**2.5**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AN**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6071AQ
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Nickel	**20.5**	**4.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AR**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Lead	**6.2**	**0.50**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AP**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6071AG
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6071AT
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Thallium	**1.0**	**1.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AV**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.50	
Vanadium	**56.4**	**5.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AW**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Zinc	**64.7**	**2.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EC6071AX**
		Dilution Factor: 1		Analysis Time..: 07:38	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_211_15

TOTAL Metals

Lot-Sample #...: E1E100312-006 Matrix.....: SOLID
Date Sampled...: 05/10/01 09:47 Date Received..: 05/10/01 17:50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1134385						
Mercury	0.054 B	0.10	mg/kg	SW846 7471A	05/15-05/16/01	EC6081AA
		Dilution Factor: 1		Analysis Time..: 12:01	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1134181	MDL.....: 0.020	
Prep Batch #...: 1136333						
Silver	ND	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AU
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031191	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Aluminum	25700	20.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AF
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 8.0	
Arsenic	4.1	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AH
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Barium	151	2.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AJ
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Beryllium	0.73	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AK
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AL
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.050	
Cobalt	14.1	5.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AM
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Chromium	29.3	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081A0
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: 2_211_15

TOTAL Metals

Lot-Sample #...: E1E100312-006

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	21.9	4.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AR
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Lead	6.4	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AP
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Copper	33.2	2.5	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AN
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AQ
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.30	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AG
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.20	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AT
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.40	
Thallium	1.2	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AV
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.50	
Vanadium	66.2	5.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AW
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 0.10	
Zinc	79.5	2.0	mg/kg	SW846 6010B	05/16-05/18/01	EC6081AX
		Dilution Factor: 1		Analysis Time..: 08:01	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1136140	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E1E100312

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		1131381	1131188
	SOLID	SW846 8015B		1134447	1135231
	SOLID	SW846 7471A		1134385	1134181
	SOLID	SW846 8260B		1134267	1134131
	SOLID	SW846 6010B		1136333	1136140
002	SOLID	SW846 8015B		1131381	1131188
	SOLID	SW846 8015B		1134447	1135231
	SOLID	SW846 7471A		1134385	1134181
	SOLID	SW846 8260B		1134267	1134131
	SOLID	SW846 6010B		1136333	1136140
003	SOLID	SW846 8015B		1131381	1131188
	SOLID	SW846 8015B		1134447	1135231
	SOLID	SW846 7471A		1134385	1134181
	SOLID	SW846 8260B		1134267	1134131
	SOLID	SW846 6010B		1136333	1136140
004	SOLID	SW846 8015B		1131381	1131188
	SOLID	SW846 8015B		1134447	1135231
	SOLID	SW846 7471A		1134385	1134181
	SOLID	SW846 8260B		1134267	1134131
	SOLID	SW846 6010B		1136333	1136140
005	SOLID	SW846 8015B		1131381	1131188
	SOLID	SW846 8015B		1134447	1135231
	SOLID	SW846 7471A		1134385	1134181
	SOLID	SW846 8260B		1134267	1134131
	SOLID	SW846 6010B		1136333	1136140
006	SOLID	SW846 8015B		1131381	1131188
	SOLID	SW846 8015B		1134447	1135231
	SOLID	SW846 7471A		1134385	1134181
	SOLID	SW846 8260B		1134267	1134131
	SOLID	SW846 6010B		1136333	1136140
007	SOLID	SW846 8260B		1134267	1134131
008	SOLID	SW846 8260B		1134267	1134131
009	SOLID	SW846 8260B		1135227	1135099

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QC DATA ASSOCIATION SUMMARY

E1E100312

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	SOLID	SW846 8260B		1135227	1135099
011	SOLID	SW846 8260B		1134267	1134131
012	SOLID	SW846 8260B		1137297	1137161
013	SOLID	SW846 8260B		1137379	1137223
014	SOLID	SW846 8260B		1134437	1134104
015	SOLID	SW846 8260B		1134437	1134104
016	SOLID	SW846 8260B		1134437	1134104
017	SOLID	SW846 8260B		1134437	1134104
018	SOLID	SW846 8260B		1135227	1135099
019	SOLID	SW846 8260B		1134437	1134104
020	SOLID	SW846 8260B		1137297	1137161
021	SOLID	SW846 8260B		1136330	1136131
022	SOLID	SW846 8260B		1135227	1135099
023	SOLID	SW846 8260B		1134437	1134104
024	SOLID	SW846 8260B		1134437	1134104
025	SOLID	SW846 8260B		1134437	1134104
026	SOLID	SW846 8260B		1134437	1134104
027	SOLID	SW846 8260B		1134437	1134104

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1E100312
MB Lot-Sample #: E1E110000-381

Analysis Date..: 05/12/01
Dilution Factor: 1

Work Order #...: EC8XM1AA

Prep Date.....: 05/11/01
Prep Batch #...: 1131381

Analyst ID.....: 356074

Matrix.....: SOLID

Analysis Time..: 13:45
Instrument ID..: G01

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	86	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1E100312
MB Lot-Sample #: E1E140000-267

Analysis Date..: 05/11/01
Dilution Factor: 1

Work Order #...: EDAVT1AA

Prep Date.....: 05/11/01
Prep Batch #...: 1134267

Analyst ID.....: 004648

Matrix.....: SOLID

Analysis Time..: 22:09
Instrument ID..: MSG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1E100312 **Work Order #...:** EDAVT1AA **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	97	(70 - 130)
1,2-Dichloroethane-d4	90	(60 - 140)
Toluene-d8	102	(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 #...: E1E100312
MB Lot-Sample #: E1E140000-437

Analysis Date..: 05/11/01
Dilution Factor: 1

Work Order #...: EDCLT1AA

Prep Date.....: 05/11/01
Prep Batch #...: 1134437

Analyst ID.....: 015590

Matrix.....: SOLID

Analysis Time..: 23:29
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 #...: E1E100312 **Work Order #...:** EDCLT1AA **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	89	(70 - 130)
1,2-Dichloroethane-d4	85	(60 - 140)
Toluene-d8	97	(70 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1E100312
MB Lot-Sample #: E1E140000-447

Analysis Date..: 05/11/01
Dilution Factor: 1

Work Order #...: EDCMD1AA

Prep Date.....: 05/11/01
Prep Batch #...: 1134447

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 11:12
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)	93	(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 #...: E1E100312
MB Lot-Sample #: E1E150000-227

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

Work Order #...: EDDGN1AA

Prep Date.....: 05/14/01
Prep Batch #...: 1135227

Analyst ID.....: 004648

Matrix.....: SOLID

Analysis Time..: 13:08
Instrument ID..: MSG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

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GC/MS Volatiles

Client Lot #...: E1E100312 **Work Order #...:** EDDGN1AA **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	105	(70 - 130)
1,2-Dichloroethane-d4	94	(60 - 140)
Toluene-d8	109	(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 #...: E1E100312
MB Lot-Sample #: E1E160000-330

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

Work Order #...: EDF661AA

Prep Date.....: 05/15/01
Prep Batch #...: 1136330

Analyst ID.....: 004648

Matrix.....: SOLID

Analysis Time..: 10:48
Instrument ID..: MSG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

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GC/MS Volatiles

Client Lot #...: E1E100312 **Work Order #...:** EDF661AA **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	101	(70 - 130)
1,2-Dichloroethane-d4	90	(60 - 140)
Toluene-d8	99	(70 - 130)

NOTE(S):

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

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GC/MS Volatiles

Client Lot #...: E1E100312
MB Lot-Sample #: E1E170000-297

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

Work Order #...: EDH5D1AA

Prep Date.....: 05/16/01
Prep Batch #...: 1137297

Analyst ID.....: 004648

Matrix.....: SOLID

Analysis Time..: 11:15
Instrument ID..: MSG

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

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1E100312 **Work Order #...:** EDH5D1AA **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	91	(60 - 140)
1,2-Dichloroethane-d4	110	(60 - 140)
Toluene-d8	97	(60 - 140)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1E100312
MB Lot-Sample #: E1E170000-379

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

Work Order #...: EDJMN1AA

Prep Date.....: 05/16/01
Prep Batch #...: 1137379

Analyst ID.....: 004648

Matrix.....: SOLID

Analysis Time..: 10:20
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 #...: E1E100312 **Work Order #...:** EDJMN1AA **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	92	(70 - 130)
1,2-Dichloroethane-d4	96	(60 - 140)
Toluene-d8	96	(70 - 130)

NOTE(S) :

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1E100312

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E1E140000-385 **Prep Batch #...:** 1134385						
Mercury	ND	0.10	mg/kg	SW846 7471A	05/15-05/16/01	EDCEC1AA
		Dilution Factor: 1				
		Analysis Time..: 11:23		Analyst ID.....: 021088	Instrument ID..: M04	
MB Lot-Sample #: E1E160000-333 **Prep Batch #...:** 1136333						
Aluminum	ND	20.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AA
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AC
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AD
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AE
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AF
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AG
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	**0.12 B**	**1.0**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EDF8K1AU**
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AH
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	**0.57 B**	**2.5**	**mg/kg**	**SW846 6010B**	**05/16-05/18/01**	**EDF8K1AJ**
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1E100312 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AK
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AL
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	ND	4.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AM
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AN
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AP
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AQ
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AR
		Dilution Factor: 1				
		Analysis Time..: 06:30		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	05/16-05/18/01	EDF8K1AT
		Dilution Factor: 1				
		Analysis Time..: 06:30		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 #...: E1E100312
LCS Lot-Sample#: E1E110000-381
Prep Date.....: 05/11/01
Prep Batch #...: 1131381
Dilution Factor: 1
Analyst ID.....: 356074

Work Order #...: EC8XM1AC

Analysis Date..: 05/12/01
Analysis Time..: 14:15
Instrument ID..: G01

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**212**	**mg/kg**	**85**	**SW846 8015B**
Diesel Range Organics (C10-C25)	**250**	**207**	**mg/kg**	**83**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	86	(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 #...: E1E100312
LCS Lot-Sample#: E1E140000-267
Prep Date.....: 05/11/01
Prep Batch #...: 1134267
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EDAVT1AC

Analysis Date..: 05/11/01
Analysis Time..: 21:36
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**46.2**	**ug/kg**	**92**	**SW846 8260B**
Benzene	**50.0**	**43.4**	**ug/kg**	**87**	**SW846 8260B**
Trichloroethene	**50.0**	**44.2**	**ug/kg**	**88**	**SW846 8260B**
Toluene	**50.0**	**45.3**	**ug/kg**	**91**	**SW846 8260B**
Chlorobenzene	**50.0**	**45.5**	**ug/kg**	**91**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(70 - 130)
1,2-Dichloroethane-d4	92	(60 - 140)
Toluene-d8	101	(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 #...: E1E100312
LCS Lot-Sample#: E1E140000-437
Prep Date.....: 05/11/01
Prep Batch #...: 1134437
Dilution Factor: 1
Analyst ID.....: 015590

Work Order #...: EDCLT1AC

Analysis Date..: 05/11/01
Analysis Time..: 22:58
Instrument ID..: MSD

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**47.5**	**ug/kg**	**95**	**SW846 8260B**
Benzene	**50.0**	**48.1**	**ug/kg**	**96**	**SW846 8260B**
Trichloroethene	**50.0**	**57.3**	**ug/kg**	**115**	**SW846 8260B**
Toluene	**50.0**	**49.6**	**ug/kg**	**99**	**SW846 8260B**
Chlorobenzene	**50.0**	**50.8**	**ug/kg**	**102**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(70 - 130)
1,2-Dichloroethane-d4	89	(60 - 140)
Toluene-d8	100	(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 #...: E1E100312
LCS Lot-Sample#: E1E140000-447
Prep Date.....: 05/11/01
Prep Batch #...: 1134447
Dilution Factor: 1
Analyst ID.....: 001464

Work Order #...: EDCMD1AC
Analysis Date..: 05/11/01
Analysis Time..: 10:43
Instrument ID..: G16

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**5.89**	**mg/kg**	**118**	**SW846 8015B**

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E1E100312
LCS Lot-Sample#: E1E150000-227
Prep Date.....: 05/14/01
Prep Batch #...: 1135227
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EDDGN1AC

Analysis Date..: 05/14/01
Analysis Time..: 12:02
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**59.5**	**ug/kg**	**119**	**SW846 8260B**
Benzene	**50.0**	**53.0**	**ug/kg**	**106**	**SW846 8260B**
Trichloroethene	**50.0**	**55.9**	**ug/kg**	**112**	**SW846 8260B**
Toluene	**50.0**	**50.7**	**ug/kg**	**101**	**SW846 8260B**
Chlorobenzene	**50.0**	**55.9**	**ug/kg**	**112**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	117	(70 - 130)
1,2-Dichloroethane-d4	104	(60 - 140)
Toluene-d8	116	(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 #...: E1E100312
LCS Lot-Sample#: E1E160000-330
Prep Date.....: 05/15/01
Prep Batch #...: 1136330
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EDF661AC
Analysis Date..: 05/15/01
Analysis Time..: 09:42
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**54.8**	**ug/kg**	**110**	**SW846 8260B**
Benzene	**50.0**	**48.0**	**ug/kg**	**96**	**SW846 8260B**
Trichloroethene	**50.0**	**51.3**	**ug/kg**	**103**	**SW846 8260B**
Toluene	**50.0**	**47.4**	**ug/kg**	**95**	**SW846 8260B**
Chlorobenzene	**50.0**	**49.4**	**ug/kg**	**99**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	116	(70 - 130)
1,2-Dichloroethane-d4	100	(60 - 140)
Toluene-d8	115	(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 #...: E1E100312
LCS Lot-Sample#: E1E170000-297
Prep Date.....: 05/16/01
Prep Batch #...: 1137297
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EDH5D1AC
Analysis Date..: 05/16/01
Analysis Time..: 10:11
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**2500**	**3000**	**ug/kg**	**120**	**SW846 8260B**
Benzene	**2500**	**2710**	**ug/kg**	**109**	**SW846 8260B**
Trichloroethene	**2500**	**2660**	**ug/kg**	**106**	**SW846 8260B**
Toluene	**2500**	**2420**	**ug/kg**	**97**	**SW846 8260B**
Chlorobenzene	**2500**	**2470**	**ug/kg**	**99**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(60 - 140)
1,2-Dichloroethane-d4	111	(60 - 140)
Toluene-d8	98	(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

GC/MS Volatiles

Client Lot #...: E1E100312
LCS Lot-Sample#: E1E170000-379
Prep Date.....: 05/16/01
Prep Batch #...: 1137379
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EDJMN1AC

Analysis Date..: 05/16/01
Analysis Time..: 09:50
Instrument ID..: MSD

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**56.3**	**ug/kg**	**113**	**SW846 8260B**
Benzene	**50.0**	**55.2**	**ug/kg**	**110**	**SW846 8260B**
Trichloroethene	**50.0**	**61.0**	**ug/kg**	**122**	**SW846 8260B**
Toluene	**50.0**	**54.1**	**ug/kg**	**108**	**SW846 8260B**
Chlorobenzene	**50.0**	**54.9**	**ug/kg**	**110**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(70 - 130)
1,2-Dichloroethane-d4	100	(60 - 140)
Toluene-d8	100	(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

TOTAL Metals

Client Lot #...: E1E100312 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1E140000-385 **Prep Batch #...:** 1134385							
Mercury	0.833	0.849	mg/kg	102	SW846 7471A	05/15-05/16/01	EDCEC1AC
			Dilution Factor: 1				
			Analysis Time..: 11:25		Analyst ID.....: 021088	Instrument ID..: M04	
LCS Lot-Sample#: E1E160000-333 **Prep Batch #...:** 1136333							
Aluminum	200	187	mg/kg	93	SW846 6010B	05/16-05/18/01	EDF8K1AV
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	50.0	48.1	mg/kg	96	SW846 6010B	05/16-05/18/01	EDF8K1AW
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	200	187	mg/kg	93	SW846 6010B	05/16-05/18/01	EDF8K1AX
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	200	201	mg/kg	101	SW846 6010B	05/16-05/18/01	EDF8K1A0
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	5.00	5.26	mg/kg	105	SW846 6010B	05/16-05/18/01	EDF8K1A1
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	5.00	5.21	mg/kg	104	SW846 6010B	05/16-05/18/01	EDF8K1A2
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	50.0	51.1	mg/kg	102	SW846 6010B	05/16-05/18/01	EDF8K1A3
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	25.0	24.8	mg/kg	99	SW846 6010B	05/16-05/18/01	EDF8K1A4
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	50.0	47.6	mg/kg	95	SW846 6010B	05/16-05/18/01	EDF8K1A5
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1E100312

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	100	97.9	mg/kg	98	SW846 6010B	05/16-05/18/01	EDF8K1A6
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	50.0	50.7	mg/kg	101	SW846 6010B	05/16-05/18/01	EDF8K1A7
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	200	180	mg/kg	90	SW846 6010B	05/16-05/18/01	EDF8K1A8
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Silver	5.00	4.85	mg/kg	97	SW846 6010B	05/16-05/18/01	EDF8K1A9
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	200	191	mg/kg	95	SW846 6010B	05/16-05/18/01	EDF8K1CA
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	50.0	50.4	mg/kg	101	SW846 6010B	05/16-05/18/01	EDF8K1CC
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	50.0	50.8	mg/kg	102	SW846 6010B	05/16-05/18/01	EDF8K1CD
			Dilution Factor: 1				
			Analysis Time..: 06:36		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	20.0	20.9	mg/kg	104	SW846 6010B	05/16-05/18/01	EDF8K1CE
			Dilution Factor: 1				
			Analysis Time..: 06:36		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 #...: E1E100312
LCS Lot-Sample#: E1E110000-381
Prep Date.....: 05/11/01
Prep Batch #...: 1131381
Dilution Factor: 1
Analyst ID.....: 356074

Work Order #...: EC8XM1AC
Analysis Date..: 05/12/01
Analysis Time..: 14:15
Instrument ID..: G01

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**85**	**(60 - 130)**	**SW846 8015B**
Diesel Range Organics (C10-C25)	**83**	**(60 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	86	(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 #...: E1E100312
LCS Lot-Sample#: E1E140000-267
Prep Date.....: 05/11/01
Prep Batch #...: 1134267
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EDAVT1AC

Analysis Date..: 05/11/01
Analysis Time..: 21:36
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**92**	**(60 - 150)**	**SW846 8260B**
Benzene	**87**	**(70 - 140)**	**SW846 8260B**
Trichloroethene	**88**	**(70 - 130)**	**SW846 8260B**
Toluene	**91**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**91**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(70 - 130)
1,2-Dichloroethane-d4	92	(60 - 140)
Toluene-d8	101	(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 #...: E1E100312
LCS Lot-Sample#: E1E140000-437
Prep Date.....: 05/11/01
Prep Batch #...: 1134437
Dilution Factor: 1
Analyst ID.....: 015590

Work Order #...: EDCLT1AC
Analysis Date..: 05/11/01
Analysis Time..: 22:58
Instrument ID..: MSD

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**95**	**(60 - 150)**	**SW846 8260B**
Benzene	**96**	**(70 - 140)**	**SW846 8260B**
Trichloroethene	**115**	**(70 - 130)**	**SW846 8260B**
Toluene	**99**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**102**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(70 - 130)
1,2-Dichloroethane-d4	89	(60 - 140)
Toluene-d8	100	(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 #...: E1E100312
LCS Lot-Sample#: E1E140000-447
Prep Date.....: 05/11/01
Prep Batch #...: 1134447
Dilution Factor: 1
Analyst ID.....: 001464

Work Order #...: EDCMD1AC
Analysis Date..: 05/11/01
Analysis Time..: 10:43
Instrument ID..: G16

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**118**	**(80 - 140)**	**SW846 8015B**

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1E100312
LCS Lot-Sample#: E1E150000-227
Prep Date.....: 05/14/01
Prep Batch #...: 1135227
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EDDGN1AC

Analysis Date..: 05/14/01
Analysis Time..: 12:02
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**119**	**(60 - 150)**	**SW846 8260B**
Benzene	**106**	**(70 - 140)**	**SW846 8260B**
Trichloroethene	**112**	**(70 - 130)**	**SW846 8260B**
Toluene	**101**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**112**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	117	(70 - 130)
1,2-Dichloroethane-d4	104	(60 - 140)
Toluene-d8	116	(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 #...: E1E100312
LCS Lot-Sample#: E1E160000-330
Prep Date.....: 05/15/01
Prep Batch #...: 1136330
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EDF661AC

Analysis Date..: 05/15/01
Analysis Time..: 09:42
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**110**	**(60 - 150)**	**SW846 8260B**
Benzene	**96**	**(70 - 140)**	**SW846 8260B**
Trichloroethene	**103**	**(70 - 130)**	**SW846 8260B**
Toluene	**95**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**99**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	116	(70 - 130)
1,2-Dichloroethane-d4	100	(60 - 140)
Toluene-d8	115	(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 #...: E1E100312
LCS Lot-Sample#: E1E170000-297
Prep Date.....: 05/16/01
Prep Batch #...: 1137297
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EDH5D1AC
Analysis Date..: 05/16/01
Analysis Time..: 10:11
Instrument ID..: MSG

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**120**	**(60 - 140)**	**SW846 8260B**
Benzene	**109**	**(60 - 130)**	**SW846 8260B**
Trichloroethene	**106**	**(60 - 140)**	**SW846 8260B**
Toluene	**97**	**(60 - 130)**	**SW846 8260B**
Chlorobenzene	**99**	**(60 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(60 - 140)
1,2-Dichloroethane-d4	111	(60 - 140)
Toluene-d8	98	(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/MS Volatiles

Client Lot #...: E1E100312
LCS Lot-Sample#: E1E170000-379
Prep Date.....: 05/16/01
Prep Batch #...: 1137379
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: EDJMN1AC
Analysis Date..: 05/16/01
Analysis Time..: 09:50
Instrument ID..: MSD

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**113**	**(60 - 150)**	**SW846 8260B**
Benzene	**110**	**(70 - 140)**	**SW846 8260B**
Trichloroethene	**122**	**(70 - 130)**	**SW846 8260B**
Toluene	**108**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**110**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(70 - 130)
1,2-Dichloroethane-d4	100	(60 - 140)
Toluene-d8	100	(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

TOTAL Metals

Client Lot #...: E1E100312 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1E140000-385 **Prep Batch #...:** 1134385					
Mercury	102	(85 - 115)	SW846 7471A	05/15-05/16/01	EDCEC1AC
		Dilution Factor: 1			
		Analysis Time..: 11:25	Analyst ID.....: 021088	Instrument ID..: M04	
LCS Lot-Sample#: E1E160000-333 **Prep Batch #...:** 1136333					
Aluminum	93	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1AV
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	96	(75 - 115)	SW846 6010B	05/16-05/18/01	EDF8K1AW
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	93	(75 - 115)	SW846 6010B	05/16-05/18/01	EDF8K1AX
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Barium	101	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1A0
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	105	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1A1
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	104	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1A2
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	102	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1A3
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Copper	99	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1A4
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Lead	95	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1A5
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E100312 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	98	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1A6
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	101	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1A7
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	90	(70 - 115)	SW846 6010B	05/16-05/18/01	EDF8K1A8
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Silver	97	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1A9
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	95	(75 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1CA
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	101	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1CC
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	102	(80 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1CD
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	104	(85 - 120)	SW846 6010B	05/16-05/18/01	EDF8K1CE
		Dilution Factor: 1			
		Analysis Time..: 06:36	Analyst ID.....: 003119	Instrument ID..: M01	

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC0KL1AE-MS EC0KL1AF-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E070183-019				
Date Sampled...:	05/04/01 11:26	**Date Received..:**	05/07/01 12:30	**MS Run #.....:**	1134104
Prep Date.....:	05/11/01	**Analysis Date..:**	05/11/01		
Prep Batch #...:	1134250	**Analysis Time..:**	14:28		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**ND**	**50.0**	**48.9**	**ug/kg**	**98**		**SW846 8260B**
	ND	**50.0**	**49.5**	**ug/kg**	**99**	**1.2**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**47.6**	**ug/kg**	**95**		**SW846 8260B**
	ND	**50.0**	**48.0**	**ug/kg**	**96**	**0.87**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**50.0**	**49.9**	**ug/kg**	**100**		**SW846 8260B**
	ND	**50.0**	**52.6**	**ug/kg**	**105**	**5.2**	**SW846 8260B**
Toluene	**ND**	**50.0**	**47.2**	**ug/kg**	**94**		**SW846 8260B**
	ND	**50.0**	**47.9**	**ug/kg**	**96**	**1.6**	**SW846 8260B**
Trichloroethene	**140**	**50.0**	**264**	**ug/kg**	**242**		**SW846 8260B**
	Qualifiers: a,MSC						
	140	**50.0**	**136**	**ug/kg**	**0.0**	**0.0**	**SW846 8260B**
	Qualifiers: a,MSC						

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(70 - 130)
	97	(70 - 130)
1,2-Dichloroethane-d4	89	(60 - 140)
	95	(60 - 140)
Toluene-d8	100	(70 - 130)
	99	(70 - 130)

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

TOTAL Metals

Client Lot #...: E1E100312 Matrix.....: SOLID
Date Sampled...: 05/07/01 10:20 Date Received..: 05/07/01 19:30

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1E070224-027 **Prep Batch #...:** 1134385									
Mercury									
	1.3	0.167	0.885	NC mg/kg			SW846 7471A	05/15-05/16/01	EC16K1A1
	1.3	0.167	0.498	NC mg/kg			SW846 7471A	05/15-05/16/01	EC16K1A2

Dilution Factor: 1
Analysis Time..: 11:30 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 1134181

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E1E100312
MS Lot-Sample #: E1E100307-007
Date Sampled...: 05/10/01 10:15
Prep Date.....: 05/16/01
Prep Batch #...: 1137297
Dilution Factor: 1

Work Order #...: EC6V61AC-MS
EC6V61AD-MSD
Date Received..: 05/10/01 16:55
Analysis Date..: 05/16/01
Analysis Time..: 19:21
Analyst ID.....: 004648

Matrix.....: SOLID
MS Run #.....: 1137161
Instrument ID..: MSG

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	2500	1880	ug/kg	75		SW846 8260B
	ND	2500	2440	ug/kg	97	26	SW846 8260B
Benzene	ND	2500	2180	ug/kg	87		SW846 8260B
	ND	2500	2250	ug/kg	90	3.1	SW846 8260B
Trichloroethene	360	2500	2970	ug/kg	105		SW846 8260B
	360	2500	2860	ug/kg	100	4.0	SW846 8260B
Toluene	ND	2500	2070	ug/kg	83		SW846 8260B
	ND	2500	2070	ug/kg	83	0.04	SW846 8260B
Chlorobenzene	ND	2500	2080	ug/kg	83		SW846 8260B
	ND	2500	2090	ug/kg	84	0.67	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 140)
	88	(60 - 140)
1,2-Dichloroethane-d4	102	(60 - 140)
	106	(60 - 140)
Toluene-d8	87	(60 - 140)
	90	(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 #...: E1E100312
MS Lot-Sample #: E1E100307-009
Date Sampled...: 05/10/01 10:40
Prep Date.....: 05/15/01
Prep Batch #...: 1136330
Dilution Factor: 1

Work Order #...: EC6WF1AC-MS
EC6WF1AD-MSD
Date Received..: 05/10/01 16:55
Analysis Date..: 05/15/01
Analysis Time..: 14:47
Analyst ID.....: 004648

Matrix.....: SOLID
MS Run #.....: 1136131
Instrument ID..: MSG

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	44.0	ug/kg	88		SW846 8260B
	ND	50.0	47.7	ug/kg	95	8.1	SW846 8260B
Benzene	ND	50.0	39.5	ug/kg	79		SW846 8260B
	ND	50.0	42.7	ug/kg	85	7.7	SW846 8260B
Trichloroethene	ND	50.0	42.8	ug/kg	86		SW846 8260B
	ND	50.0	47.0	ug/kg	94	9.3	SW846 8260B
Toluene	ND	50.0	38.6	ug/kg	77		SW846 8260B
	ND	50.0	42.0	ug/kg	84	8.5	SW846 8260B
Chlorobenzene	ND	50.0	38.8	ug/kg	78		SW846 8260B
	ND	50.0	42.0	ug/kg	84	8.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(70 - 130)
	102	(70 - 130)
1,2-Dichloroethane-d4	95	(60 - 140)
	96	(60 - 140)
Toluene-d8	99	(70 - 130)
	105	(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 #...: E1E100312
MS Lot-Sample #: E1E100309-007
Date Sampled...: 05/10/01 11:36
Prep Date.....: 05/11/01
Prep Batch #...: 1131381
Dilution Factor: 1

Work Order #...: EC6XD1A1-MS
EC6XD1A2-MSD
Date Received..: 05/10/01 17:45
Analysis Date..: 05/12/01
Analysis Time..: 22:43
Analyst ID.....: 356074

Matrix.....: SOLID
MS Run #.....: 1131188
Instrument ID..: G01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)	ND	250	182	mg/kg	73		SW846 8015B
	ND	250	176	mg/kg	70	3.6	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	82	(60 - 130)
	75	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC6XD1A3-MS EC6XD1A4-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E100309-007				
Date Sampled...:	05/10/01 11:36	**Date Received..:**	05/10/01 17:45	**MS Run #.....:**	1135231
Prep Date.....:	05/14/01	**Analysis Date..:**	05/14/01		
Prep Batch #...:	1134447	**Analysis Time..:**	13:38		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G16

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**ND**	**5.00**	**4.58**	**mg/kg**	**92**		**SW846 8015B**
	ND	**5.00**	**4.92**	**mg/kg**	**98**	**7.0**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	116	(60 - 130)
	118	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E1E100312 Work Order #...: EC6XD1A3-MS Matrix.....: SOLID
MS Lot-Sample #: E1E100309-007 EC6XD1A4-MSD
Date Sampled...: 05/10/01 11:36 Date Received..: 05/10/01 17:45 MS Run #.....: 1135231
Prep Date.....: 05/14/01 Analysis Date..: 05/14/01
Prep Batch #...: 1134447 Analysis Time..: 13:38
Dilution Factor: 1 Analyst ID.....: 001464 Instrument ID..: G16

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	ND	5.00	4.58	mg/kg	92		SW846 8015B
	ND	5.00	4.92	mg/kg	98	7.0	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
α,a,a-Trifluorotoluene (TFT)	116	(60 - 130)
	118	(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 #...: E1E100312
MS Lot-Sample #: E1E100309-007
Date Sampled...: 05/10/01 11:36
Prep Date.....: 05/11/01
Prep Batch #...: 1131381
Dilution Factor: 1

Work Order #...: EC6XD1A1-MS
EC6XD1A2-MSD
Date Received..: 05/10/01 17:45
Analysis Date..: 05/12/01
Analysis Time..: 22:43
Analyst ID.....: 356074

Matrix.....: SOLID
MS Run #.....: 1131188
Instrument ID..: G01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)	ND	250	182	mg/kg	73		SW846 8015B
	ND	250	176	mg/kg	70	3.6	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	82	(60 - 130)
	75	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC6XD1A3-MS EC6XD1A4-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E100309-007				
Date Sampled...:	05/10/01 11:36	**Date Received..:**	05/10/01 17:45	**MS Run #.....:**	1135231
Prep Date.....:	05/14/01	**Analysis Date..:**	05/14/01		
Prep Batch #...:	1134447	**Analysis Time..:**	13:38		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G16

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	**ND**	**5.00**	**4.58**	**mg/kg**	**92**		**SW846 8015B**
	ND	**5.00**	**4.92**	**mg/kg**	**98**	**7.0**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	116	(60 - 130)
	118	(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

TOTAL Metals

Client Lot #...: E1E100312 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 08:52 **Date Received..:** 05/10/01 17:50

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1E100312-001 **Prep Batch #...:** 1136333									
Aluminum									
	28800	200	28000 NC	mg/kg			SW846 6010B	05/16-05/18/01	EC60P1A1
	28800	200	27300 NC	mg/kg			SW846 6010B	05/16-05/18/01	EC60P1A2
			Dilution Factor: 1						
			Analysis Time..: 06:58		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136140						
Antimony									
	ND	50.0	12.5 N	mg/kg	25		SW846 6010B	05/16-05/18/01	EC60P1A3
	ND	50.0	12.3 N	mg/kg	25	1.6	SW846 6010B	05/16-05/18/01	EC60P1A4
			Dilution Factor: 1						
			Analysis Time..: 06:58		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136140						
Arsenic									
	3.5	200	157	mg/kg	77		SW846 6010B	05/16-05/18/01	EC60P1A5
	3.5	200	159	mg/kg	78	1.6	SW846 6010B	05/16-05/18/01	EC60P1A6
			Dilution Factor: 1						
			Analysis Time..: 06:58		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136140						
Barium									
	187	200	372	mg/kg	92		SW846 6010B	05/16-05/18/01	EC60P1A7
	187	200	346 N	mg/kg	79	7.2	SW846 6010B	05/16-05/18/01	EC60P1A8
			Dilution Factor: 1						
			Analysis Time..: 06:58		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136140						
Beryllium									
	0.83	5.00	5.07	mg/kg	85		SW846 6010B	05/16-05/18/01	EC60P1A9
	0.83	5.00	5.11	mg/kg	86	0.84	SW846 6010B	05/16-05/18/01	EC60P1CA
			Dilution Factor: 1						
			Analysis Time..: 06:58		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136140						
Cadmium									
	ND	5.00	3.64 N	mg/kg	73		SW846 6010B	05/16-05/18/01	EC60P1CC
	ND	5.00	3.67 N	mg/kg	73	0.62	SW846 6010B	05/16-05/18/01	EC60P1CD
			Dilution Factor: 1						
			Analysis Time..: 06:58		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1136140						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1E100312 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 08:52 **Date Received..:** 05/10/01 17:50

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT		UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium										
	30.2	20.0	45.5	N	mg/kg	76		SW846 6010B	05/16-05/18/01	EC60P1C3
	30.2	20.0	45.1	N	mg/kg	74	0.94	SW846 6010B	05/16-05/18/01	EC60P1C4
					Dilution Factor: 1					
					Analysis Time..: 06:58		Instrument ID..: M01		Analyst ID.....: 003119	
					MS Run #.....: 1136140					
Cobalt										
	11.2	50.0	52.6		mg/kg	83		SW846 6010B	05/16-05/18/01	EC60P1CE
	11.2	50.0	53.8		mg/kg	85	2.2	SW846 6010B	05/16-05/18/01	EC60P1CF
					Dilution Factor: 1					
					Analysis Time..: 06:58		Instrument ID..: M01		Analyst ID.....: 003119	
					MS Run #.....: 1136140					
Copper										
	20.7	25.0	40.7		mg/kg	80		SW846 6010B	05/16-05/18/01	EC60P1CG
	20.7	25.0	40.6		mg/kg	80	0.05	SW846 6010B	05/16-05/18/01	EC60P1CH
					Dilution Factor: 1					
					Analysis Time..: 06:58		Instrument ID..: M01		Analyst ID.....: 003119	
					MS Run #.....: 1136140					
Lead										
	6.2	50.0	45.0	N	mg/kg	78		SW846 6010B	05/16-05/18/01	EC60P1CJ
	6.2	50.0	45.7	N	mg/kg	79	1.7	SW846 6010B	05/16-05/18/01	EC60P1CK
					Dilution Factor: 1					
					Analysis Time..: 06:58		Instrument ID..: M01		Analyst ID.....: 003119	
					MS Run #.....: 1136140					
Molybdenum										
	ND	100	72.1	N	mg/kg	72		SW846 6010B	05/16-05/18/01	EC60P1CL
	ND	100	72.4	N	mg/kg	72	0.29	SW846 6010B	05/16-05/18/01	EC60P1CM
					Dilution Factor: 1					
					Analysis Time..: 06:58		Instrument ID..: M01		Analyst ID.....: 003119	
					MS Run #.....: 1136140					
Nickel										
	22.3	50.0	63.3		mg/kg	82		SW846 6010B	05/16-05/18/01	EC60P1CN
	22.3	50.0	63.8		mg/kg	83	0.81	SW846 6010B	05/16-05/18/01	EC60P1CP
					Dilution Factor: 1					
					Analysis Time..: 06:58		Instrument ID..: M01		Analyst ID.....: 003119	
					MS Run #.....: 1136140					
Selenium										
	ND	200	150		mg/kg	75		SW846 6010B	05/16-05/18/01	EC60P1CQ
	ND	200	154		mg/kg	77	2.6	SW846 6010B	05/16-05/18/01	EC60P1CR
					Dilution Factor: 1					
					Analysis Time..: 06:58		Instrument ID..: M01		Analyst ID.....: 003119	
					MS Run #.....: 1136140					

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1E100312 Matrix.....: SOLID
Date Sampled...: 05/10/01 08:52 Date Received..: 05/10/01 17:50

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT		UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver										
	ND	5.00	4.02		mg/kg	80		SW846 6010B	05/16-05/18/01	EC60P1CT
	ND	5.00	4.09		mg/kg	82	1.6	SW846 6010B	05/16-05/18/01	EC60P1CU
				Dilution Factor: 1						
				Analysis Time..: 06:58			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1136140						
Thallium										
	1.6	200	159		mg/kg	79		SW846 6010B	05/16-05/18/01	EC60P1CV
	1.6	200	162		mg/kg	80	2.1	SW846 6010B	05/16-05/18/01	EC60P1CW
				Dilution Factor: 1						
				Analysis Time..: 06:58			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1136140						
Vanadium										
	59.8	50.0	97.2	N	mg/kg	75		SW846 6010B	05/16-05/18/01	EC60P1CX
	59.8	50.0	97.4	N	mg/kg	75	0.21	SW846 6010B	05/16-05/18/01	EC60P1C0
				Dilution Factor: 1						
				Analysis Time..: 06:58			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1136140						
Zinc										
	56.1	50.0	97.8		mg/kg	83		SW846 6010B	05/16-05/18/01	EC60P1C1
	56.1	50.0	97.3		mg/kg	82	0.50	SW846 6010B	05/16-05/18/01	EC60P1C2
				Dilution Factor: 1						
				Analysis Time..: 06:58			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1136140						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1E100312	Work Order #...:	EC6031A1-MS EC6031A2-MSD	Matrix.....:	SOLID
MS Lot-Sample #:	E1E100312-002				
Date Sampled...:	05/10/01 08:59	Date Received..:	05/10/01 17:50	MS Run #.....:	1134131
Prep Date.....:	05/12/01	Analysis Date..:	05/12/01		
Prep Batch #...:	1134267	Analysis Time..:	00:53		
Dilution Factor:	1	Analyst ID.....:	004648	Instrument ID..:	MSG

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**50.0**	**52.6**	**ug/kg**	**105**		**SW846 8260B**
	ND	**50.0**	**49.9**	**ug/kg**	**100**	**5.4**	**SW846 8260B**
Benzene	**ND**	**50.0**	**48.5**	**ug/kg**	**97**		**SW846 8260B**
	ND	**50.0**	**52.3**	**ug/kg**	**105**	**7.5**	**SW846 8260B**
Trichloroethene	**16**	**50.0**	**54.3**	**ug/kg**	**76**		**SW846 8260B**
	16	**50.0**	**48.9**	**ug/kg**	**65**	**10**	**SW846 8260B**
	Qualifiers: a,MSC						
Toluene	**ND**	**50.0**	**50.3**	**ug/kg**	**101**		**SW846 8260B**
	ND	**50.0**	**50.4**	**ug/kg**	**101**	**0.33**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**50.7**	**ug/kg**	**101**		**SW846 8260B**
	ND	**50.0**	**49.0**	**ug/kg**	**98**	**3.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(70 - 130)
	118	(70 - 130)
1,2-Dichloroethane-d4	98	(60 - 140)
	111	(60 - 140)
Toluene-d8	107	(70 - 130)
	122	(70 - 130)

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/MS Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC61C1AC-MS EC61C1AD-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E100312-009				
Date Sampled...:	05/10/01 11:36	**Date Received..:**	05/10/01 17:50	**MS Run #.....:**	1135099
Prep Date.....:	05/14/01	**Analysis Date..:**	05/14/01		
Prep Batch #...:	1135227	**Analysis Time..:**	17:39		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSG

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**50.0**	**55.4**	**ug/kg**	**111**		**SW846 8260B**
	ND	**50.0**	**43.5**	**ug/kg**	**87**	**24**	**SW846 8260B**
Benzene	**ND**	**50.0**	**50.1**	**ug/kg**	**100**		**SW846 8260B**
	ND	**50.0**	**39.4**	**ug/kg**	**79**	**24**	**SW846 8260B**
Trichloroethene	**3.8**	**50.0**	**55.8**	**ug/kg**	**104**		**SW846 8260B**
	3.8	**50.0**	**43.0**	**ug/kg**	**78**	**26**	**SW846 8260B**
Toluene	**ND**	**50.0**	**50.4**	**ug/kg**	**101**		**SW846 8260B**
	ND	**50.0**	**39.2**	**ug/kg**	**78**	**25**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**51.6**	**ug/kg**	**103**		**SW846 8260B**
	ND	**50.0**	**40.5**	**ug/kg**	**81**	**24**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(70 - 130)
	98	(70 - 130)
1,2-Dichloroethane-d4	98	(60 - 140)
	87	(60 - 140)
Toluene-d8	112	(70 - 130)
	99	(70 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC85D1AC-MS EC85D1AD-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E110287-021				
Date Sampled...:	05/10/01 08:52	**Date Received..:**	05/11/01 13:15	**MS Run #.....:**	1137223
Prep Date.....:	05/16/01	**Analysis Date..:**	05/16/01		
Prep Batch #...:	1137379	**Analysis Time..:**	13:01		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**50.0**	**52.4**	**ug/kg**	**105**		**SW846 8260B**
	ND	**50.0**	**51.7**	**ug/kg**	**103**	**1.4**	**SW846 8260B**
Benzene	**ND**	**50.0**	**50.2**	**ug/kg**	**100**		**SW846 8260B**
	ND	**50.0**	**50.2**	**ug/kg**	**100**	**0.10**	**SW846 8260B**
Trichloroethene	**ND**	**50.0**	**66.8**	**ug/kg**	**134**		**SW846 8260B**
	Qualifiers: a,MSC						
	ND	**50.0**	**60.4**	**ug/kg**	**121**	**10**	**SW846 8260B**
Toluene	**ND**	**50.0**	**48.8**	**ug/kg**	**98**		**SW846 8260B**
	ND	**50.0**	**48.6**	**ug/kg**	**97**	**0.51**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**48.9**	**ug/kg**	**98**		**SW846 8260B**
	ND	**50.0**	**49.4**	**ug/kg**	**99**	**0.97**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(70 - 130)
	100	(70 - 130)
1,2-Dichloroethane-d4	96	(60 - 140)
	98	(60 - 140)
Toluene-d8	98	(70 - 130)
	99	(70 - 130)

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/MS Volatiles

Client Lot #...:	E1E100312	Work Order #...:	EC0KL1AE-MS EC0KL1AF-MSD	Matrix.....:	SOLID
MS Lot-Sample #:	E1E070183-019				
Date Sampled...:	05/04/01 11:26	Date Received..:	05/07/01 12:30	MS Run #.....:	1134104
Prep Date.....:	05/11/01	Analysis Date..:	05/11/01		
Prep Batch #...:	1134250	Analysis Time..:	14:28		
Dilution Factor:	1	Analyst ID.....:	004648	Instrument ID..:	MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**98**	**(70 - 140)**			**SW846 8260B**
	99	**(70 - 140)**	**1.2**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**95**	**(70 - 130)**			**SW846 8260B**
	96	**(70 - 130)**	**0.87**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**100**	**(60 - 150)**			**SW846 8260B**
	105	**(60 - 150)**	**5.2**	**(0-30)**	**SW846 8260B**
Toluene	**94**	**(70 - 130)**			**SW846 8260B**
	96	**(70 - 130)**	**1.6**	**(0-30)**	**SW846 8260B**
Trichloroethene	**242 a,MSC**	**(70 - 130)**			**SW846 8260B**
	0.0 a,MSC	**(70 - 130)**	**0.0**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(70 - 130)
	97	(70 - 130)
1,2-Dichloroethane-d4	89	(60 - 140)
	95	(60 - 140)
Toluene-d8	100	(70 - 130)
	99	(70 - 130)

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

TOTAL Metals

Client Lot #...: E1E100312 **Matrix.....:** SOLID
Date Sampled...: 05/07/01 10:20 **Date Received..:** 05/07/01 19:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1E070224-027 **Prep Batch #...:** 1134385							
Mercury	NC	(80 - 120)			SW846 7471A	05/15-05/16/01	EC16K1A1
	NC	(80 - 120)		(0-20)	SW846 7471A	05/15-05/16/01	EC16K1A2

Dilution Factor: 1
Analysis Time..: 11:30 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 1134181

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC6V61AC-MS EC6V61AD-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E100307-007				
Date Sampled...:	05/10/01 10:15	**Date Received..:**	05/10/01 16:55	**MS Run #.....:**	1137161
Prep Date.....:	05/16/01	**Analysis Date..:**	05/16/01		
Prep Batch #...:	1137297	**Analysis Time..:**	19:21		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**75**	**(60 - 140)**			**SW846 8260B**
	97	**(60 - 140)**	**26**	**(0-35)**	**SW846 8260B**
Benzene	**87**	**(60 - 130)**			**SW846 8260B**
	90	**(60 - 130)**	**3.1**	**(0-35)**	**SW846 8260B**
Trichloroethene	**105**	**(60 - 140)**			**SW846 8260B**
	100	**(60 - 140)**	**4.0**	**(0-35)**	**SW846 8260B**
Toluene	**83**	**(60 - 130)**			**SW846 8260B**
	83	**(60 - 130)**	**0.04**	**(0-35)**	**SW846 8260B**
Chlorobenzene	**83**	**(60 - 130)**			**SW846 8260B**
	84	**(60 - 130)**	**0.67**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 140)
	88	(60 - 140)
1,2-Dichloroethane-d4	102	(60 - 140)
	106	(60 - 140)
Toluene-d8	87	(60 - 140)
	90	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC6WF1AC-MS EC6WF1AD-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E100307-009				
Date Sampled...:	05/10/01 10:40	**Date Received..:**	05/10/01 16:55	**MS Run #.....:**	1136131
Prep Date.....:	05/15/01	**Analysis Date..:**	05/15/01		
Prep Batch #...:	1136330	**Analysis Time..:**	14:47		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**88**	**(60 - 150)**			**SW846 8260B**
	95	**(60 - 150)**	**8.1**	**(0-30)**	**SW846 8260B**
Benzene	**79**	**(70 - 140)**			**SW846 8260B**
	85	**(70 - 140)**	**7.7**	**(0-30)**	**SW846 8260B**
Trichloroethene	**86**	**(70 - 130)**			**SW846 8260B**
	94	**(70 - 130)**	**9.3**	**(0-30)**	**SW846 8260B**
Toluene	**77**	**(70 - 130)**			**SW846 8260B**
	84	**(70 - 130)**	**8.5**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**78**	**(70 - 130)**			**SW846 8260B**
	84	**(70 - 130)**	**8.1**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(70 - 130)
	102	(70 - 130)
1,2-Dichloroethane-d4	95	(60 - 140)
	96	(60 - 140)
Toluene-d8	99	(70 - 130)
	105	(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 #...:	E1E100312	**Work Order #...:**	EC6XD1A1-MS EC6XD1A2-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E100309-007				
Date Sampled...:	05/10/01 11:36	**Date Received..:**	05/10/01 17:45	**MS Run #.....:**	1131188
Prep Date.....:	05/11/01	**Analysis Date..:**	05/12/01		
Prep Batch #...:	1131381	**Analysis Time..:**	22:43		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**73**	**(60 - 130)**			**SW846 8015B**
	70	**(60 - 130)**	**3.6**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	82	(60 - 130)
	75	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC6XD1A3-MS EC6XD1A4-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E100309-007				
Date Sampled...:	05/10/01 11:36	**Date Received..:**	05/10/01 17:45	**MS Run #.....:**	1135231
Prep Date.....:	05/14/01	**Analysis Date..:**	05/14/01		
Prep Batch #...:	1134447	**Analysis Time..:**	13:38		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**92**	**(80 - 140)**			**SW846 8015B**
	98	**(80 - 140)**	**7.0**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	116	(60 - 130)
	118	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E100312 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 08:52 **Date Received..:** 05/10/01 17:50

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1E100312-001 **Prep Batch #...:** 1136333							
Aluminum	NC	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1A1
	NC	(80 - 120)		(0-25)	SW846 6010B	05/16-05/18/01	EC60P1A2
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Antimony	25 N	(75 - 115)			SW846 6010B	05/16-05/18/01	EC60P1A3
	25 N	(75 - 115)	1.6	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1A4
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Arsenic	77	(75 - 115)			SW846 6010B	05/16-05/18/01	EC60P1A5
	78	(75 - 115)	1.6	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1A6
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Barium	92	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1A7
	79 N	(80 - 120)	7.2	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1A8
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Beryllium	85	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1A9
	86	(80 - 120)	0.84	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1CA
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Cadmium	73 N	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1CC
	73 N	(80 - 120)	0.62	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1CD
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Chromium	76 N	(85 - 120)			SW846 6010B	05/16-05/18/01	EC60P1C3
	74 N	(85 - 120)	0.94	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1C4
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E100312 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 08:52 **Date Received..:** 05/10/01 17:50

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	83	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1CE
	85	(80 - 120)	2.2	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1CF
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Copper	80	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1CG
	80	(80 - 120)	0.05	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1CH
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Lead	78 N	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1CJ
	79 N	(80 - 120)	1.7	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1CK
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Molybdenum	72 N	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1CL
	72 N	(80 - 120)	0.29	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1CM
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Nickel	82	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1CN
	83	(80 - 120)	0.81	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1CP
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Selenium	75	(70 - 115)			SW846 6010B	05/16-05/18/01	EC60P1CQ
	77	(70 - 115)	2.6	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1CR
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Silver	80	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1CT
	82	(80 - 120)	1.6	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1CU
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					
Thallium	79	(75 - 120)			SW846 6010B	05/16-05/18/01	EC60P1CV
	80	(75 - 120)	2.1	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1CW
		Dilution Factor: 1					
		Analysis Time..: 06:58			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1136140					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1E100312 **Matrix.....:** SOLID
Date Sampled...: 05/10/01 08:52 **Date Received..:** 05/10/01 17:50

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	75 N	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1CX
	75 N	(80 - 120)	0.21	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1C0

Dilution Factor: 1
Analysis Time..: 06:58 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 1136140

Zinc	83	(80 - 120)			SW846 6010B	05/16-05/18/01	EC60P1C1
	82	(80 - 120)	0.50	(0-25)	SW846 6010B	05/16-05/18/01	EC60P1C2

Dilution Factor: 1
Analysis Time..: 06:58 Instrument ID..: M01 Analyst ID.....: 003119
MS Run #.....: 1136140

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC6031A1-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E100312-002		EC6031A2-MSD		
Date Sampled...:	05/10/01 08:59	**Date Received..:**	05/10/01 17:50	**MS Run #.....:**	1134131
Prep Date.....:	05/12/01	**Analysis Date..:**	05/12/01		
Prep Batch #...:	1134267	**Analysis Time..:**	00:53		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**105**	**(60 - 150)**			**SW846 8260B**
	100	**(60 - 150)**	**5.4**	**(0-30)**	**SW846 8260B**
Benzene	**97**	**(70 - 140)**			**SW846 8260B**
	105	**(70 - 140)**	**7.5**	**(0-30)**	**SW846 8260B**
Trichloroethene	**76**	**(70 - 130)**			**SW846 8260B**
	65 a,MSC	**(70 - 130)**	**10**	**(0-30)**	**SW846 8260B**
Toluene	**101**	**(70 - 130)**			**SW846 8260B**
	101	**(70 - 130)**	**0.33**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**101**	**(70 - 130)**			**SW846 8260B**
	98	**(70 - 130)**	**3.4**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(70 - 130)
	118	(70 - 130)
1,2-Dichloroethane-d4	98	(60 - 140)
	111	(60 - 140)
Toluene-d8	107	(70 - 130)
	122	(70 - 130)

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/MS Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC61C1AC-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E100312-009		EC61C1AD-MSD		
Date Sampled...:	05/10/01 11:36	**Date Received..:**	05/10/01 17:50	**MS Run #.....:**	1135099
Prep Date.....:	05/14/01	**Analysis Date..:**	05/14/01		
Prep Batch #...:	1135227	**Analysis Time..:**	17:39		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**111**	**(60 - 150)**			**SW846 8260B**
	87	**(60 - 150)**	**24**	**(0-30)**	**SW846 8260B**
Benzene	**100**	**(70 - 140)**			**SW846 8260B**
	79	**(70 - 140)**	**24**	**(0-30)**	**SW846 8260B**
Trichloroethene	**104**	**(70 - 130)**			**SW846 8260B**
	78	**(70 - 130)**	**26**	**(0-30)**	**SW846 8260B**
Toluene	**101**	**(70 - 130)**			**SW846 8260B**
	78	**(70 - 130)**	**25**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**103**	**(70 - 130)**			**SW846 8260B**
	81	**(70 - 130)**	**24**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(70 - 130)
	98	(70 - 130)
1,2-Dichloroethane-d4	98	(60 - 140)
	87	(60 - 140)
Toluene-d8	112	(70 - 130)
	99	(70 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1E100312	**Work Order #...:**	EC85D1AC-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1E110287-021		EC85D1AD-MSD		
Date Sampled...:	05/10/01 08:52	**Date Received..:**	05/11/01 13:15	**MS Run #.....:**	1137223
Prep Date.....:	05/16/01	**Analysis Date..:**	05/16/01		
Prep Batch #...:	1137379	**Analysis Time..:**	13:01		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**105**	**(60 - 150)**			**SW846 8260B**
	103	**(60 - 150)**	**1.4**	**(0-30)**	**SW846 8260B**
Benzene	**100**	**(70 - 140)**			**SW846 8260B**
	100	**(70 - 140)**	**0.10**	**(0-30)**	**SW846 8260B**
Trichloroethene	**134 a,MSC**	**(70 - 130)**			**SW846 8260B**
	121	**(70 - 130)**	**10**	**(0-30)**	**SW846 8260B**
Toluene	**98**	**(70 - 130)**			**SW846 8260B**
	97	**(70 - 130)**	**0.51**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**98**	**(70 - 130)**			**SW846 8260B**
	99	**(70 - 130)**	**0.97**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(70 - 130)
	100	(70 - 130)
1,2-Dichloroethane-d4	96	(60 - 140)
	98	(60 - 140)
Toluene-d8	98	(70 - 130)
	99	(70 - 130)

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.