SEVERN TRENT SERVICES

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

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

February 27, 2001

STL LOT NUMBER: **E1B200232**
PO/CONTRACT: 05160-SEV002

Rus Purcell
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Purcell,

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on February 20, 2001. This sample is associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures meet method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading beyond 2 to 6 degrees Celsius is considered not within acceptable criteria unless otherwise noted such as limited transit time from field and test requested. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the test results provided in this report meet all the requirements of NELAC. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 714-258-8610.

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

STL Committed To *Your* Success

SEVERN TRENT LABORATORIES

No. 203085

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Kennedy / Jenks	PROJECT NAME/NUMBER: Boeing Parcel C / 0040 34.00
SEND REPORT TO: Jay Knight	BILLING INFORMATION
ADDRESS: 2151 Michelson Dr. Suite 100	BILL TO:
Irvine CA. 92612	ADDRESS:
PHONE: 949-261-1577	PHONE:
FAX: 949-261-2134	FAX: PO NO.:

LAB JOB NO. E1B200232

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	8260B / VOC	8015 CC / TPH	6000/7000 series metals	REMARKS/PRECAUTIONS
	Build-2-AK-13-02R01-1	2-19-01	0820	soil	2x6" brass	None	1	X	X	X	

ANALYSIS / METHOD REQUEST

SAMPLER: [signature] / Shane Scrimshire

SHIPMENT METHOD:

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

1. RELINQUISHED BY: Shane Scrimshire	DATE 2-19-01	2. RELINQUISHED BY: [signature]	DATE 2-20	3. RELINQUISHED BY: [signature]	DATE 2-20-1
SIGNATURE: [signature]		SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Kennedy / Jenks	TIME	PRINTED NAME/COMPANY: Jay Knight / Kennedy/Jenks	TIME 1120	PRINTED NAME/COMPANY: RICARDO RAMIREZ TORRES / STL LA	TIME 1120
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:		SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

000002

SEVERN TRENT LABORATORIES
1721 South Grand Avenue
Santa Ana, CA 92705
Phone: (714) 258-8610 / Fax: (714) 258-0921

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 2/20/01

Quantims Lot #: EIB 200232

Quote #:

Client Name: KENNEDY JENKS

Project: BOEING PARCEL C / 004034.00

Received by: AV

Date/Time Received: 2/20 11:20

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

		Initial / Date
Custody Seal Status:	☐ Intact ☐ Broken ☒ None	AV 2/20
Custody Seal #(s):	☐ No Seal #	
Sample Container(s):	☐ STL-LA ☒ Client ☐ N/A	
Temperature(s) (COOLER/BLANK) in °C:	10°C (CORRECTED TEMP)	
Thermometer Used :	☒ IR (Infra-red) ☐ Digital (Probe)	
Samples:	☒ Intact ☐ Broken ☐ Other	
Anomalies:	☒ No ☐ Yes (See Clouseau)	
Labeled by		
Labeling checked by		

Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☐ RUSH–72HR ☒ NORMAL ..... AV 2/20

Short-Hold Notification: ☐ Ph ☐ Wet Chem ☐ Metals (Filter/Pres) ☐ Encore ☐ N/A ...

Outside Analysis(es) (Test/Lab/Date Sent Out) :

_____ ..... _____

_____ ..... _____

_____ ..... _____

_____ ..... _____

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

Fraction	1										PH
VOAh /*											N/A
BAG'S SLEEVE	1										

h: HCl na: Sodium Hydroxide zna: Zinc Acetate/Sodium Hydroxide s: H2SO4 n: HNO3 n/f: HNO3-Field filtered n/fl: HNO3-Lab filtered

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: MB 02/20/01 REVIEWED BY/DATE: 2/20/01

000003

EXECUTIVE SUMMARY - Detection Highlights

E1B200232

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Build_2_AK_13_021901 02/19/01 08:20	001			
C10-C11	9.5 J	10	mg/kg	SW846 8015B
C12-C13	110	10	mg/kg	SW846 8015B
C14-C15	200	10	mg/kg	SW846 8015B
C16-C17	150	10	mg/kg	SW846 8015B
C18-C19	83	10	mg/kg	SW846 8015B
C20-C23	28	10	mg/kg	SW846 8015B
C24-C27	21	10	mg/kg	SW846 8015B
C28-C31	26	10	mg/kg	SW846 8015B
C32-C35	32	10	mg/kg	SW846 8015B
C36-C39	29	10	mg/kg	SW846 8015B
C40+	12	10	mg/kg	SW846 8015B
Total Carbon Chain Range	700	10	mg/kg	SW846 8015B
Mercury	0.022 B	0.10	mg/kg	SW846 7471A
Aluminum	19800	20.0	mg/kg	SW846 6010B
Arsenic	4.2	1.0	mg/kg	SW846 6010B
Barium	137	2.0	mg/kg	SW846 6010B
Cadmium	0.17 B	0.50	mg/kg	SW846 6010B
Chromium	23.9	1.0	mg/kg	SW846 6010B
Beryllium	0.64	0.50	mg/kg	SW846 6010B
Lead	14.6	0.50	mg/kg	SW846 6010B
Selenium	0.42 B	0.50	mg/kg	SW846 6010B
Cobalt	8.7	5.0	mg/kg	SW846 6010B
Copper	29.3	2.5	mg/kg	SW846 6010B
Molybdenum	0.42 B	4.0	mg/kg	SW846 6010B
Nickel	16.4	4.0	mg/kg	SW846 6010B
Vanadium	48.3	5.0	mg/kg	SW846 6010B
Zinc	61.2	2.0	mg/kg	SW846 6010B
Acetone	110 J	120	ug/kg	SW846 8260B
Toluene	13 J	25	ug/kg	SW846 8260B
Ethylbenzene	43	25	ug/kg	SW846 8260B
Xylenes (total)	390	25	ug/kg	SW846 8260B
Isopropylbenzene	12 J	25	ug/kg	SW846 8260B
p-Isopropyltoluene	89	25	ug/kg	SW846 8260B
n-Propylbenzene	66	25	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	310	25	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	1100	25	ug/kg	SW846 8260B
n-Butylbenzene	190	25	ug/kg	SW846 8260B

METHODS SUMMARY

E1B200232

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846 5030

References:

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

SAMPLE SUMMARY

E1B200232

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
DWD4T	001	Build_2_AK_13_021901	02/19/01	08:20

NOTE(S):

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_13_021901

GC Semivolatiles

Lot-Sample #...: E1B200232-001
Date Sampled...: 02/19/01 08:20
Prep Date.....: 02/21/01
Prep Batch #...: 1052378
Dilution Factor: 1
Analyst ID.....: 001464

Work Order #...: DWD4T1AC
Date Received..: 02/20/01 11:20
Analysis Date..: 02/22/01
Analysis Time..: 16:40

Instrument ID..: G03
Method.....: SW846 8015B

Matrix.....: SOLID
MS Run #.....: 1052165

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	10	mg/kg	5.0
C10-C11	9.5 J	10	mg/kg	5.0
C12-C13	110	10	mg/kg	5.0
C14-C15	200	10	mg/kg	5.0
C16-C17	150	10	mg/kg	5.0
C18-C19	83	10	mg/kg	5.0
C20-C23	28	10	mg/kg	5.0
C24-C27	21	10	mg/kg	5.0
C28-C31	26	10	mg/kg	5.0
C32-C35	32	10	mg/kg	5.0
C36-C39	29	10	mg/kg	5.0
C40+	12	10	mg/kg	5.0
Total Carbon Chain Range	700	10	mg/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	102	(60 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_13_021901

GC Volatiles

Lot-Sample #...:	E1B200232-001	Work Order #...:	DWD4T1AD	Matrix.....:	SOLID
Date Sampled...:	02/19/01 08:20	Date Received..:	02/20/01 11:20	MS Run #.....:	1053127
Prep Date.....:	02/22/01	Analysis Date..:	02/22/01		
Prep Batch #...:	1053264	Analysis Time..:	01:26		
Dilution Factor:	1				
Analyst ID.....:	001464	Instrument ID..:	G16		
		Method.....:	SW846 8015B		

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

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_13_021901

GC/MS Volatiles

Lot-Sample #...: E1B200232-001 Work Order #...: DWD4T1AA Matrix.....: SOLID
Date Sampled...: 02/19/01 08:20 Date Received..: 02/20/01 11:20 MS Run #.....: 1053157
Prep Date.....: 02/21/01 Analysis Date..: 02/21/01
Prep Batch #...: 1053328 Analysis Time..: 11:35
Dilution Factor: 5
Analyst ID.....: 999998 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	**110 J**	**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	ND	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	**13 J**	**25**	**ug/kg**	**10**
trans-1,3-Dichloropropene	ND	25	ug/kg	15
1,1,2-Trichloroethane	ND	25	ug/kg	15

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_13_021901

GC/MS Volatiles

Lot-Sample #...: E1B200232-001 Work Order #...: DWD4T1AA 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	**43**	**25**	**ug/kg**	**10**
Xylenes (total)	**390**	**25**	**ug/kg**	**15**
Styrene	ND	50	ug/kg	10
Bromoform	ND	25	ug/kg	15
Isopropylbenzene	**12 J**	**25**	**ug/kg**	**10**
p-Isopropyltoluene	**89**	**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	**66**	**25**	**ug/kg**	**10**
2-Chlorotoluene	ND	25	ug/kg	10
4-Chlorotoluene	ND	25	ug/kg	10
1,3,5-Trimethylbenzene	**310**	**25**	**ug/kg**	**10**
tert-Butylbenzene	ND	25	ug/kg	10
1,2,4-Trimethylbenzene	**1100**	**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	**190**	**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	101	(60 - 140)
Toluene-d8	88	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_13_021901

TOTAL Metals

Lot-Sample #...: E1B200232-001 Matrix.....: SOLID
Date Sampled...: 02/19/01 08:20 Date Received..: 02/20/01 11:20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1051447						
Mercury	0.022 B	0.10	mg/kg	SW846 7471A	02/21-02/22/01	DWD4T1A0
		Dilution Factor: 1		Analysis Time..: 11:20	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1051239	MDL.....: 0.020	
Prep Batch #...: 1051450						
Aluminum	19800	20.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AE
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031199	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 8.0	
Arsenic	4.2	1.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AF
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AG
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.20	
Barium	137	2.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AH
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.10	
Cadmium	0.17 B	0.50	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AJ
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.050	
Chromium	23.9	1.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AK
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.10	
Beryllium	0.64	0.50	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AL
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.050	
Lead	14.6	0.50	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AM
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.30	

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AK_13_021901

TOTAL Metals

Lot-Sample #...: E1B200232-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	0.42 B	0.50	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AN
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.40	
Silver	ND	1.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AP
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.10	
Cobalt	8.7	5.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AQ
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.10	
Copper	29.3	2.5	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AR
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.40	
Molybdenum	0.42 B	4.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AT
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.30	
Nickel	16.4	4.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AU
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AV
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.50	
Vanadium	48.3	5.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AW
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 0.10	
Zinc	61.2	2.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD4T1AX
		Dilution Factor: 1		Analysis Time..: 14:10	Analyst ID.....: 0031190	
		Instrument ID..: M01		MS Run #.....: 1051240	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E1B200232

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		1052378	1052165
	SOLID	SW846 8015B		1053264	1053127
	SOLID	SW846 7471A		1051447	1051239
	SOLID	SW846 8260B		1053328	1053157
	SOLID	SW846 6010B		1051450	1051240

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1B200232
MB Lot-Sample #: E1B210000-378

Work Order #...: DWFKW1AA

Matrix.....: SOLID

Prep Date.....: 02/21/01
Prep Batch #...: 1052378

Analysis Time..: 13:25
Instrument ID..: G03

Analysis Date..: 02/22/01
Dilution Factor: 1

Analyst ID.....: 001464

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

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

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1B200232
MB Lot-Sample #: E1B220000-264

Work Order #...: DWGWT1AA

Matrix.....: SOLID

Prep Date.....: 02/22/01

Analysis Time..: 00:29

Analysis Date..: 02/22/01
Dilution Factor: 1

Prep Batch #...: 1053264

Instrument ID..: G16

Analyst ID.....: 001464

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)	80	(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 #...: E1B200232
MB Lot-Sample #: E1B220000-328

Work Order #...: DWG9N1AA

Matrix.....: SOLID

Prep Date.....: 02/21/01

Analysis Time..: 10:32

Analysis Date..: 02/21/01
Dilution Factor: 1

Prep Batch #...: 1053328

Instrument ID..: MSD

Analyst ID.....: 999998

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
rans-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
etrachloroethene	ND	5.0	ug/kg	SW846 8260B
-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 #...: E1B200232 Work Order #...: DWG9N1AA 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	85	(70 - 130)
1,2-Dichloroethane-d4	96	(60 - 140)
Toluene-d8	83	(70 - 130)

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1B200232 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E1B200000-447 **Prep Batch #...:** 1051447						
Mercury	ND	0.10	mg/kg	SW846 7471A	02/21-02/22/01	DWD771AA
		Dilution Factor: 1				
		Analysis Time..: 10:51		Analyst ID.....: 021088	Instrument ID..: M04	
MB Lot-Sample #: E1B200000-450 **Prep Batch #...:** 1051450						
Aluminum	ND	20.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AA
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AC
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AD
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AE
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AF
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	**0.12 B**	**1.0**	**mg/kg**	**SW846 6010B**	**02/20-02/21/01**	**DWD8A1AG**
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AH
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	ND	0.50	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AJ
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AK
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1B200232

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	1.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AL
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AM
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	ND	2.5	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AN
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AP
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	ND	4.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AQ
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AR
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AT
		Dilution Factor: 1				
		Analysis Time..: 12:06		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	02/20-02/21/01	DWD8A1AU
		Dilution Factor: 1				
		Analysis Time..: 12:06		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 #...: E1B200232 Work Order #...: DWFKW1AC Matrix.....: SOLID
LCS Lot-Sample#: E1B210000-378
Prep Date.....: 02/21/01 Analysis Date..: 02/22/01
Prep Batch #...: 1052378 Analysis Time..: 14:04
Dilution Factor: 1 Instrument ID..: G03
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**178**	**mg/kg**	**71**	**SW846 8015B**

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E1B200232 Work Order #...: DWGWT1AC Matrix.....: SOLID
LCS Lot-Sample#: E1B220000-264
Prep Date.....: 02/22/01 Analysis Date..: 02/22/01
Prep Batch #...: 1053264 Analysis Time..: 00:01
Dilution Factor: 1 Instrument ID..: G16
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**5.26**	**mg/kg**	**105**	**SW846 8015B**

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E1B200232 Work Order #...: DWG9N1AC Matrix.....: SOLID
LCS Lot-Sample#: E1B220000-328
Prep Date.....: 02/21/01 Analysis Date..: 02/21/01
Prep Batch #...: 1053328 Analysis Time..: 10:01
Dilution Factor: 1 Instrument ID..: MSD
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	50.0	52.0	ug/kg	104	SW846 8260B
Benzene	50.0	52.5	ug/kg	105	SW846 8260B
Trichloroethene	50.0	50.5	ug/kg	101	SW846 8260B
Toluene	50.0	47.4	ug/kg	95	SW846 8260B
Chlorobenzene	50.0	47.8	ug/kg	96	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(70 - 130)
1,2-Dichloroethane-d4	101	(60 - 140)
Toluene-d8	86	(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 #...: E1B200232 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1B200000-447 Prep Batch #...: 1051447							
Mercury	0.833	0.825	mg/kg	99	SW846 7471A	02/21-02/22/01	DWD771AC
			Dilution Factor: 1				
			Analysis Time..: 10:53		Analyst ID.....: 021088	Instrument ID..: M04	
LCS Lot-Sample#: E1B200000-450 Prep Batch #...: 1051450							
Aluminum	200	196	mg/kg	98	SW846 6010B	02/20-02/21/01	DWD8A1AV
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	200	199	mg/kg	100	SW846 6010B	02/20-02/21/01	DWD8A1AW
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	50.0	48.6	mg/kg	97	SW846 6010B	02/20-02/21/01	DWD8A1AX
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Barium	200	208	mg/kg	104	SW846 6010B	02/20-02/21/01	DWD8A1A0
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	5.00	5.31	mg/kg	106	SW846 6010B	02/20-02/21/01	DWD8A1A1
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	20.0	21.2	mg/kg	106	SW846 6010B	02/20-02/21/01	DWD8A1A2
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	5.00	5.34	mg/kg	107	SW846 6010B	02/20-02/21/01	DWD8A1A3
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Lead	50.0	49.9	mg/kg	100	SW846 6010B	02/20-02/21/01	DWD8A1A4
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	200	190	mg/kg	95	SW846 6010B	02/20-02/21/01	DWD8A1A5
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1B200232 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	5.00	5.04	mg/kg	101	SW846 6010B	02/20-02/21/01	DWD8A1A6
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	50.0	53.1	mg/kg	106	SW846 6010B	02/20-02/21/01	DWD8A1A7
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Copper	25.0	25.8	mg/kg	103	SW846 6010B	02/20-02/21/01	DWD8A1A8
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	100	102	mg/kg	102	SW846 6010B	02/20-02/21/01	DWD8A1A9
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	50.0	52.6	mg/kg	105	SW846 6010B	02/20-02/21/01	DWD8A1CA
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	200	205	mg/kg	102	SW846 6010B	02/20-02/21/01	DWD8A1CC
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	50.0	51.9	mg/kg	104	SW846 6010B	02/20-02/21/01	DWD8A1CD
			Dilution Factor: 1				
			Analysis Time..: 12:12		Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	50.0	53.8	mg/kg	108	SW846 6010B	02/20-02/21/01	DWD8A1CE
			Dilution Factor: 1				
			Analysis Time..: 12:12		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 #...: E1B200232 Work Order #...: DWFKW1AC Matrix.....: SOLID
LCS Lot-Sample#: E1B210000-378
Prep Date.....: 02/21/01 Analysis Date..: 02/22/01
Prep Batch #...: 1052378 Analysis Time..: 14:04
Dilution Factor: 1 Instrument ID..: G03
Analyst ID.....: 001464

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

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E1B200232
LCS Lot-Sample#: E1B220000-264
Prep Date.....: 02/22/01
Prep Batch #...: 1053264
Dilution Factor: 1
Analyst ID.....: 001464

Work Order #...: DWGWT1AC
Analysis Date..: 02/22/01
Analysis Time..: 00:01
Instrument ID..: G16

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**105**	**(80 - 140)**	**SW846 8015B**

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1B200232
LCS Lot-Sample#: E1B220000-328
Prep Date.....: 02/21/01
Prep Batch #...: 1053328
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: DWG9N1AC
Analysis Date..: 02/21/01
Analysis Time..: 10:01
Instrument ID..: MSD

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	104	(60 - 150)	SW846 8260B
Benzene	105	(70 - 140)	SW846 8260B
Trichloroethene	101	(70 - 130)	SW846 8260B
Toluene	95	(70 - 130)	SW846 8260B
Chlorobenzene	96	(70 - 130)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(70 - 130)
1,2-Dichloroethane-d4	101	(60 - 140)
Toluene-d8	86	(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 #...: E1B200232 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1B200000-447 **Prep Batch #...:** 1051447					
Mercury	99	(85 - 115)	SW846 7471A	02/21-02/22/01	DWD771AC
		Dilution Factor: 1			
		Analysis Time..: 10:53	Analyst ID.....: 021088	Instrument ID..: M04	
LCS Lot-Sample#: E1B200000-450 **Prep Batch #...:** 1051450					
Aluminum	98	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1AV
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Arsenic	100	(75 - 115)	SW846 6010B	02/20-02/21/01	DWD8A1AW
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Antimony	97	(75 - 115)	SW846 6010B	02/20-02/21/01	DWD8A1AX
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Barium	104	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1A0
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Cadmium	106	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1A1
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Chromium	106	(85 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1A2
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Beryllium	107	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1A3
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Lead	100	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1A4
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Selenium	95	(70 - 115)	SW846 6010B	02/20-02/21/01	DWD8A1A5
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1B200232 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	101	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1A6
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Cobalt	106	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1A7
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Copper	103	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1A8
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Molybdenum	102	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1A9
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Nickel	105	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1CA
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Thallium	102	(75 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1CC
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Vanadium	104	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1CD
		Dilution Factor: 1			
		Analysis Time..: 12:12	Analyst ID.....: 003119	Instrument ID..: M01	
Zinc	108	(80 - 120)	SW846 6010B	02/20-02/21/01	DWD8A1CE
		Dilution Factor: 1			
		Analysis Time..: 12:12	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

TOTAL Metals

Client Lot #...: E1B200232 Matrix.....: SOLID
Date Sampled...: 02/19/01 09:50 Date Received..: 02/19/01 16:40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1B190181-002 **Prep Batch #...:** 1051447									
Mercury									
	0.029	0.167	0.198	mg/kg	102		SW846 7471A	02/21-02/22/01	DWCNL1A4
	0.029	0.167	0.195	mg/kg	100	1.7	SW846 7471A	02/21-02/22/01	DWCNL1A5
			Dilution Factor: 1						
			Analysis Time..: 10:57		Instrument ID..: M04			Analyst ID.....: 021088	
			MS Run #.....: 1051239						
MS Lot-Sample #: E1B190181-002 **Prep Batch #...:** 1051450									
Aluminum									
	15100	100	15200 NC	mg/kg			SW846 6010B	02/20-02/21/01	DWCNL1A6
	15100	100	14800 NC	mg/kg			SW846 6010B	02/20-02/21/01	DWCNL1A7
			Dilution Factor: 1						
			Analysis Time..: 12:36		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1051240						
Arsenic									
	4.8	200	194	mg/kg	94		SW846 6010B	02/20-02/21/01	DWCNL1A8
	4.8	200	193	mg/kg	94	0.42	SW846 6010B	02/20-02/21/01	DWCNL1A9
			Dilution Factor: 1						
			Analysis Time..: 12:36		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1051240						
Antimony									
	0.37	50.0	20.4 N	mg/kg	40		SW846 6010B	02/20-02/21/01	DWCNL1CA
	0.37	50.0	21.7 N	mg/kg	43	6.2	SW846 6010B	02/20-02/21/01	DWCNL1CC
			Dilution Factor: 1						
			Analysis Time..: 12:36		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1051240						
Barium									
	122	200	318	mg/kg	98		SW846 6010B	02/20-02/21/01	DWCNL1CD
	122	200	302	mg/kg	90	5.1	SW846 6010B	02/20-02/21/01	DWCNL1CE
			Dilution Factor: 1						
			Analysis Time..: 12:36		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1051240						
Cadmium									
	0.21	5.00	5.06	mg/kg	97		SW846 6010B	02/20-02/21/01	DWCNL1CF
	0.21	5.00	5.04	mg/kg	97	0.47	SW846 6010B	02/20-02/21/01	DWCNL1CG
			Dilution Factor: 1						
			Analysis Time..: 12:36		Instrument ID..: M01			Analyst ID.....: 003119	
			MS Run #.....: 1051240						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1B200232 **Matrix.....:** SOLID
Date Sampled...: 02/19/01 09:50 **Date Received..:** 02/19/01 16:40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT		UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium										
	23.3	20.0	42.3		mg/kg	95		SW846 6010B	02/20-02/21/01	DWCNL1CH
	23.3	20.0	79.9	N,*	mg/kg	283	61	SW846 6010B	02/20-02/21/01	DWCNL1CJ
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						
Beryllium										
	0.48	5.00	5.58		mg/kg	102		SW846 6010B	02/20-02/21/01	DWCNL1CK
	0.48	5.00	5.50		mg/kg	100	1.4	SW846 6010B	02/20-02/21/01	DWCNL1CL
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						
Lead										
	14.0	50.0	56.7		mg/kg	85		SW846 6010B	02/20-02/21/01	DWCNL1CM
	14.0	50.0	54.9		mg/kg	82	3.2	SW846 6010B	02/20-02/21/01	DWCNL1CN
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						
Selenium										
	ND	200	181		mg/kg	90		SW846 6010B	02/20-02/21/01	DWCNL1CP
	ND	200	181		mg/kg	90	0.06	SW846 6010B	02/20-02/21/01	DWCNL1CQ
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						
Silver										
	ND	5.00	4.59		mg/kg	92		SW846 6010B	02/20-02/21/01	DWCNL1CR
	ND	5.00	4.65		mg/kg	93	1.4	SW846 6010B	02/20-02/21/01	DWCNL1CT
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						
Cobalt										
	8.4	50.0	57.7		mg/kg	99		SW846 6010B	02/20-02/21/01	DWCNL1CU
	8.4	50.0	57.8		mg/kg	99	0.14	SW846 6010B	02/20-02/21/01	DWCNL1CV
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						
Copper										
	20.1	25.0	47.7		mg/kg	111		SW846 6010B	02/20-02/21/01	DWCNL1CW
	20.1	25.0	43.7		mg/kg	94	8.8	SW846 6010B	02/20-02/21/01	DWCNL1CX
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1B200232 **Matrix.....:** SOLID
Date Sampled...: 02/19/01 09:50 **Date Received..:** 02/19/01 16:40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT		UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum										
	0.86	100	95.3		mg/kg	94		SW846 6010B	02/20-02/21/01	DWCNL1C0
	0.86	100	99.9		mg/kg	99	4.7	SW846 6010B	02/20-02/21/01	DWCNL1C1
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						
Nickel										
	17.2	50.0	65.5		mg/kg	97		SW846 6010B	02/20-02/21/01	DWCNL1C2
	17.2	50.0	88.4	N,*	mg/kg	142	30	SW846 6010B	02/20-02/21/01	DWCNL1C3
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						
Thallium										
	ND	200	194		mg/kg	97		SW846 6010B	02/20-02/21/01	DWCNL1C4
	ND	200	194		mg/kg	97	0.01	SW846 6010B	02/20-02/21/01	DWCNL1C5
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						
Vanadium										
	42.8	50.0	89.2		mg/kg	93		SW846 6010B	02/20-02/21/01	DWCNL1C6
	42.8	50.0	88.7		mg/kg	92	0.62	SW846 6010B	02/20-02/21/01	DWCNL1C7
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						
Zinc										
	87.1	50.0	139		mg/kg	103		SW846 6010B	02/20-02/21/01	DWCNL1C8
	87.1	50.0	135		mg/kg	95	2.8	SW846 6010B	02/20-02/21/01	DWCNL1C9
				Dilution Factor: 1						
				Analysis Time..: 12:36			Instrument ID..: M01		Analyst ID.....: 003119	
				MS Run #.....: 1051240						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

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

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1B200232	Work Order #...:	DWEC11AJ-MS DWEC11AK-MSD	Matrix.....:	SOLID
MS Lot-Sample #:	E1B200259-002				
Date Sampled...:	02/19/01 14:25	Date Received..:	02/20/01 16:45	MS Run #.....:	1053157
Prep Date.....:	02/21/01	Analysis Date..:	02/21/01		
Prep Batch #...:	1053328	Analysis Time..:	14:07		
Dilution Factor:	1	Analyst ID.....:	999998	Instrument ID..:	MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	50.0	48.6	ug/kg	97		SW846 8260B
	ND	50.0	49.8	ug/kg	100	2.5	SW846 8260B
Benzene	ND	50.0	49.6	ug/kg	99		SW846 8260B
	ND	50.0	50.6	ug/kg	101	2.0	SW846 8260B
Trichloroethene	ND	50.0	59.8	ug/kg	120		SW846 8260B
	ND	50.0	61.9	ug/kg	124	3.4	SW846 8260B
Toluene	ND	50.0	44.8	ug/kg	90		SW846 8260B
	ND	50.0	44.5	ug/kg	89	0.69	SW846 8260B
Chlorobenzene	ND	50.0	45.2	ug/kg	90		SW846 8260B
	ND	50.0	45.2	ug/kg	90	0.08	SW846 8260B

URROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(70 - 130)
	86	(70 - 130)
1,2-Dichloroethane-d4	98	(60 - 140)
	100	(60 - 140)
Toluene-d8	87	(70 - 130)
	86	(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 #...:	E1B200232	Work Order #...:	DWEDP1AD-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1B200259-022		DWEDP1AE-MSD		
Date Sampled...:	02/20/01 13:10	Date Received..:	02/20/01 16:45	MS Run #.....:	1052165
Prep Date.....:	02/21/01	Analysis Date..:	02/23/01		
Prep Batch #...:	1052378	Analysis Time..:	11:30		
Dilution Factor:	1	Analyst ID.....:	001464	Instrument ID..:	G03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)		250	282	mg/kg	113		SW846 8015B
		250	247	mg/kg	99	13	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	90	(60 - 130)
	84	(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 #...:	E1B200232	Work Order #...:	DWEDQ1AD-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1B200259-023		DWEDQ1AE-MSD		
Date Sampled...:	02/20/01 13:30	Date Received..:	02/20/01 16:45	MS Run #.....:	1053127
Prep Date.....:	02/22/01	Analysis Date..:	02/22/01		
Prep Batch #...:	1053264	Analysis Time..:	01:54		
Dilution Factor:	1	Analyst ID.....:	001464	Instrument ID..:	G16

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Gasoline)	ND	5.00	5.05	mg/kg	101		SW846 8015B
	ND	5.00	5.23	mg/kg	105	3.4	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	102	(60 - 130)
	101	(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 #...: E1B200232 Matrix.....: SOLID
Date Sampled...: 02/19/01 09:50 Date Received..: 02/19/01 16:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1B190181-002 Prep Batch #...: 1051447							
Mercury	102	(80 - 120)			SW846 7471A	02/21-02/22/01	DWCNL1A4
	100	(80 - 120)	1.7	(0-20)	SW846 7471A	02/21-02/22/01	DWCNL1A5
		Dilution Factor: 1					
		Analysis Time..: 10:57			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1051239					
MS Lot-Sample #: E1B190181-002 Prep Batch #...: 1051450							
Aluminum	NC	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1A6
	NC	(80 - 120)		(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1A7
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Arsenic	94	(75 - 115)			SW846 6010B	02/20-02/21/01	DWCNL1A8
	94	(75 - 115)	0.42	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1A9
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Antimony	40 N	(75 - 115)			SW846 6010B	02/20-02/21/01	DWCNL1CA
	43 N	(75 - 115)	6.2	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1CC
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Barium	98	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1CD
	90	(80 - 120)	5.1	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1CE
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Cadmium	97	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1CF
	97	(80 - 120)	0.47	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1CG
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Chromium	95	(85 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1CH
	283 N,*	(85 - 120)	61	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1CJ
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1B200232 Matrix.....: SOLID
Date Sampled...: 02/19/01 09:50 Date Received..: 02/19/01 16:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	102	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1CK
	100	(80 - 120)	1.4	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1CL
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Lead	85	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1CM
	82	(80 - 120)	3.2	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1CN
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Selenium	90	(70 - 115)			SW846 6010B	02/20-02/21/01	DWCNL1CP
	90	(70 - 115)	0.06	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1CQ
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
ilver	92	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1CR
	93	(80 - 120)	1.4	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1CT
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Cobalt	99	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1CU
	99	(80 - 120)	0.14	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1CV
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Copper	111	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1CW
	94	(80 - 120)	8.8	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1CX
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Molybdenum	94	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1C0
	99	(80 - 120)	4.7	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1C1
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Nickel	97	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1C2
	142 N,*	(80 - 120)	30	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1C3
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1B200232 Matrix.....: SOLID
Date Sampled...: 02/19/01 09:50 Date Received..: 02/19/01 16:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	97	(75 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1C4
	97	(75 - 120)	0.01	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1C5
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Vanadium	93	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1C6
	92	(80 - 120)	0.62	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1C7
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					
Zinc	103	(80 - 120)			SW846 6010B	02/20-02/21/01	DWCNL1C8
	95	(80 - 120)	2.8	(0-25)	SW846 6010B	02/20-02/21/01	DWCNL1C9
		Dilution Factor: 1					
		Analysis Time..: 12:36			Instrument ID..: M01	Analyst ID.....: 003119	
		MS Run #.....: 1051240					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1B200232	Work Order #...:	DWEC11AJ-MS DWEC11AK-MSD	Matrix.....:	SOLID
MS Lot-Sample #:	E1B200259-002				
Date Sampled...:	02/19/01 14:25	Date Received..:	02/20/01 16:45	MS Run #.....:	1053157
Prep Date.....:	02/21/01	Analysis Date..:	02/21/01		
Prep Batch #...:	1053328	Analysis Time..:	14:07		
Dilution Factor:	1	Analyst ID.....:	999998	Instrument ID..:	MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	97	(60 - 150)			SW846 8260B
	100	(60 - 150)	2.5	(0-30)	SW846 8260B
Benzene	99	(70 - 140)			SW846 8260B
	101	(70 - 140)	2.0	(0-30)	SW846 8260B
Trichloroethene	120	(70 - 130)			SW846 8260B
	124	(70 - 130)	3.4	(0-30)	SW846 8260B
Toluene	90	(70 - 130)			SW846 8260B
	89	(70 - 130)	0.69	(0-30)	SW846 8260B
Chlorobenzene	90	(70 - 130)			SW846 8260B
	90	(70 - 130)	0.08	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(70 - 130)
	86	(70 - 130)
1,2-Dichloroethane-d4	98	(60 - 140)
	100	(60 - 140)
Toluene-d8	87	(70 - 130)
	86	(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 #...:	E1B200232	Work Order #...:	DWEDP1AD-MS DWEDP1AE-MSD	Matrix.....:	SOLID
MS Lot-Sample #:	E1B200259-022				
Date Sampled...:	02/20/01 13:10	Date Received..:	02/20/01 16:45	MS Run #.....:	1052165
Prep Date.....:	02/21/01	Analysis Date..:	02/23/01		
Prep Batch #...:	1052378	Analysis Time..:	11:30		
Dilution Factor:	1	Analyst ID.....:	001464	Instrument ID..:	G03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**113**	**(60 - 130)**			**SW846 8015B**
	99	**(60 - 130)**	**13**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	90	(60 - 130)
	84	(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 #...:	E1B200232	Work Order #...:	DWEDQ1AD-MS	Matrix.....:	SOLID
MS Lot-Sample #:	E1B200259-023		DWEDQ1AE-MSD		
Date Sampled...:	02/20/01 13:30	Date Received..:	02/20/01 16:45	MS Run #.....:	1053127
Prep Date.....:	02/22/01	Analysis Date..:	02/22/01		
Prep Batch #...:	1053264	Analysis Time..:	01:54		
Dilution Factor:	1	Analyst ID.....:	001464	Instrument ID..:	G16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	101	(80 - 140)			SW846 8015B
	105	(80 - 140)	3.4	(0-40)	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	102	(60 - 130)
	101	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters