SEVERN
TRENT
SERVICES

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

Tel: 714 258 8610
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June 14, 2001

STL LOT NUMBER: E1F070346
NELAC Certification Number: 01118CA
Marcia Taleff

Marcia Taleff
Boeing
3855 Lakewood Blvd
Mail Stop D036-0009
Long Beach, CA 90846

Dear Ms. Taleff,

This report contains the analytical results for the eight samples received under chain of custody by Severn Trent Laboratories (STL Los Angeles) on June 7, 2001. These samples are associated with your Boeing Long Beach Pacificenter 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 Celsius 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 714-258-8610 extension 309.

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

This report contains 000092 pages.

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

ACCREDITED IN ACCORDANCE WITH nelac

BOE-C6-0123196

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: THE BOEING COMPANY	Project Manager: MARCIA TALEFF	Date: 06/05/01	Chain of Custody Number: 053241
Address: 3855 Lakewood Blvd. MSD036-0009	Telephone Number (Area Code)/Fax Number: 562) 496-6524 / 562) 593-4285	Lab Number:	Page 1 of 1
City: LONG BEACH; State: CA; Zip Code: 90846	Site Contact: MARCIA TALEFF	Lab Contact:	
Project Name and Location (State): BOEING - LONG BEACH (CA)	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	Other	Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	Other	6010B	8240 → 8260	TPH 8015	Special Instructions/ Conditions of Receipt
01105 (SOIL / 01-2798)	05/30/01	1310				X		1							X	X	X	
01106 (Drilling Mud / 01-2186)	06/05/01	1512		X				1							X	X	X	
01107 (Drilling Mud / 01-2187)	06/05/01	1523		X				1							X	X	X	
01108 (Drilling Mud / 01-1912)	06/04/01	1248		X				1							X	X	X	
01109 (Drilling Mud / 01-1965)	06/04/01	1320		X				1							X	X	X	
01110 (Drilling Mud / 01-1911)	06/04/01	1310		X				1							X	X	X	
01111 (Drilling Mud / 01-1987)	06/04/01	1315		X				1							X	X	X	
01112 (Drilling Mud / 01-1964)	06/04/01	1320		X				1							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 ROUTINE

QC Requirements (Specify):

1. Relinquished By	Date 06/07/01	Time 1430	1. Received By	Date 6-7-01	Time 1400
2. Relinquished By	Date 6-7-01	Time 1530	2. Received By	Date 06/07/01	Time 1530
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

BOE-C6-0123197

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 6/07/01

Quantims Lot #: EIF070346

Quote #: 39399

Client Name: THE BOEING COMPANY

Project: BOEING LONG BEACH.

Received by: MT

Date/Time Received: 6/07/01 15:30

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

Initial / Date

Custody Seal Status: ☐Intact ☐Broken ☒None ..... AR 6/07/01

Custody Seal #(s): ☒No Seal # .....

Sample Container(s): ☐STL-LA ☐Client ☐N/A .....

Temperature(s) (COOLER/BLANK) in °C: 23°C (CORRECTED TEMP) 21.6°C

Thermometer Used : ☒IR (Infra-red) ☐Digital (Probe) .....

Samples: ☒Intact ☐Broken ☐Other .....

Anomalies: ☒No ☐Yes (See Clouseau) .....

Labeled by AR .....

Labeling checked by .....

Turn Around Time: ☐RUSH-24HR ☐RUSH-48HR ☐RUSH-72HR ☒NORMAL 5 days

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

Outside Analysis(es) (Test/Lab/Date Sent Out) : – none –

LEAVE NO BLANK SPACES ; USE N/A

Fraction	1 → 8										PH
VOAh *											N/A
ILCGJ	1										—

k:HCl na:Sodium Hydroxide znac: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: Pacolta 6/07/01 REVIEWED BY/DATE: T Swart 6-8-01

000003

BOE-C6-0123198

EXECUTIVE SUMMARY - Detection Highlights

E1F070346

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
01105(SOIL/01-2798) 05/30/01 13:10 001				
Mercury	0.065 B	0.10	mg/kg	SW846 7471A
Arsenic	10.9	1.0	mg/kg	SW846 6010B
Barium	166	2.0	mg/kg	SW846 6010B
Cadmium	0.60	0.50	mg/kg	SW846 6010B
Chromium	23.2	1.0	mg/kg	SW846 6010B
Beryllium	0.52	0.50	mg/kg	SW846 6010B
Lead	5.4	0.50	mg/kg	SW846 6010B
Cobalt	9.3	5.0	mg/kg	SW846 6010B
Copper	27.7	2.5	mg/kg	SW846 6010B
Molybdenum	0.41 B	4.0	mg/kg	SW846 6010B
Nickel	18.5	4.0	mg/kg	SW846 6010B
Thallium	0.62 B	1.0	mg/kg	SW846 6010B
Vanadium	43.8	5.0	mg/kg	SW846 6010B
Zinc	50.8	2.0	mg/kg	SW846 6010B
01106(Drilling Mud/01-2186) 06/05/01 15:12 002				
Arsenic	1.7	1.0	mg/kg	SW846 6010B
Barium	24.7	2.0	mg/kg	SW846 6010B
Chromium	4.6	1.0	mg/kg	SW846 6010B
Beryllium	0.15 B	0.50	mg/kg	SW846 6010B
Lead	1.5	0.50	mg/kg	SW846 6010B
Cobalt	1.4 B	5.0	mg/kg	SW846 6010B
Copper	5.0	2.5	mg/kg	SW846 6010B
Molybdenum	0.34 B	4.0	mg/kg	SW846 6010B
Nickel	3.1 B	4.0	mg/kg	SW846 6010B
Vanadium	7.1	5.0	mg/kg	SW846 6010B
Zinc	10.4	2.0	mg/kg	SW846 6010B
01107(Drilling Mud/01-2187) 06/05/01 15:23 003				
Arsenic	0.85 B	1.0	mg/kg	SW846 6010B
Barium	13.5	2.0	mg/kg	SW846 6010B
Chromium	3.1	1.0	mg/kg	SW846 6010B
Beryllium	0.10 B	0.50	mg/kg	SW846 6010B
Lead	0.91	0.50	mg/kg	SW846 6010B
Cobalt	0.84 B	5.0	mg/kg	SW846 6010B
Copper	3.2	2.5	mg/kg	SW846 6010B
Molybdenum	0.36 B	4.0	mg/kg	SW846 6010B
Nickel	2.0 B	4.0	mg/kg	SW846 6010B
Vanadium	4.6 B	5.0	mg/kg	SW846 6010B
Zinc	6.5	2.0	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1F070346

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
01108(Drilling Mud/01-1912) 06/04/01 12:48 004				
Mercury	0.028 B	0.10	mg/kg	SW846 7471A
Arsenic	3.1	1.0	mg/kg	SW846 6010B
Barium	56.6	2.0	mg/kg	SW846 6010B
Cadmium	0.10 B	0.50	mg/kg	SW846 6010B
Chromium	8.5	1.0	mg/kg	SW846 6010B
Beryllium	0.24 B	0.50	mg/kg	SW846 6010B
Lead	2.3	0.50	mg/kg	SW846 6010B
Selenium	0.49 B	0.50	mg/kg	SW846 6010B
Cobalt	3.1 B	5.0	mg/kg	SW846 6010B
Copper	8.7	2.5	mg/kg	SW846 6010B
Molybdenum	0.31 B	4.0	mg/kg	SW846 6010B
Nickel	6.4	4.0	mg/kg	SW846 6010B
Vanadium	14.6	5.0	mg/kg	SW846 6010B
Zinc	18.7	2.0	mg/kg	SW846 6010B
Acetone	3500	120	ug/kg	SW846 8260B
01109(Drilling Mud/01-1965) 06/04/01 13:20 005				
Arsenic	3.8	1.0	mg/kg	SW846 6010B
Barium	55.3	2.0	mg/kg	SW846 6010B
Cadmium	0.14 B	0.50	mg/kg	SW846 6010B
Chromium	10.2	1.0	mg/kg	SW846 6010B
Beryllium	0.28 B	0.50	mg/kg	SW846 6010B
Lead	2.8	0.50	mg/kg	SW846 6010B
Cobalt	3.5 B	5.0	mg/kg	SW846 6010B
Copper	8.7	2.5	mg/kg	SW846 6010B
Molybdenum	0.31 B	4.0	mg/kg	SW846 6010B
Nickel	7.3	4.0	mg/kg	SW846 6010B
Vanadium	17.0	5.0	mg/kg	SW846 6010B
Zinc	22.3	2.0	mg/kg	SW846 6010B
01110(Drilling Mud/01-1911) 06/04/01 13:10 006				
Arsenic	2.4	1.0	mg/kg	SW846 6010B
Barium	38.2	2.0	mg/kg	SW846 6010B
Chromium	6.2	1.0	mg/kg	SW846 6010B
Beryllium	0.20 B	0.50	mg/kg	SW846 6010B
Lead	2.0	0.50	mg/kg	SW846 6010B
Cobalt	2.1 B	5.0	mg/kg	SW846 6010B
Copper	6.6	2.5	mg/kg	SW846 6010B
Nickel	4.6	4.0	mg/kg	SW846 6010B
Vanadium	9.7	5.0	mg/kg	SW846 6010B
Zinc	12.9	2.0	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1F070346

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
01110(Drilling Mud/01-1911) 06/04/01 13:10 006				
Acetone	130	25	ug/kg	SW846 8260B
01111(Drilling Mud/01-1987) 06/04/01 13:15 007				
Arsenic	2.4	1.0	mg/kg	SW846 6010B
Barium	39.9	2.0	mg/kg	SW846 6010B
Chromium	6.1	1.0	mg/kg	SW846 6010B
Beryllium	0.20 B	0.50	mg/kg	SW846 6010B
Lead	2.2	0.50	mg/kg	SW846 6010B
Cobalt	2.1 B	5.0	mg/kg	SW846 6010B
Copper	6.0	2.5	mg/kg	SW846 6010B
Molybdenum	0.40 B	4.0	mg/kg	SW846 6010B
Nickel	4.5	4.0	mg/kg	SW846 6010B
Vanadium	9.9	5.0	mg/kg	SW846 6010B
Zinc	13.4	2.0	mg/kg	SW846 6010B
01112(Drilling Mud/01-1964) 06/04/01 13:28 008				
Arsenic	3.0	1.0	mg/kg	SW846 6010B
Barium	40.9	2.0	mg/kg	SW846 6010B
Chromium	8.6	1.0	mg/kg	SW846 6010B
Beryllium	0.29 B	0.50	mg/kg	SW846 6010B
Lead	2.9	0.50	mg/kg	SW846 6010B
Cobalt	2.9 B	5.0	mg/kg	SW846 6010B
Copper	8.4	2.5	mg/kg	SW846 6010B
Molybdenum	0.35 B	4.0	mg/kg	SW846 6010B
Nickel	6.2	4.0	mg/kg	SW846 6010B
Vanadium	13.6	5.0	mg/kg	SW846 6010B
Zinc	19.0	2.0	mg/kg	SW846 6010B

METHODS SUMMARY

E1F070346

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

E1F070346

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EEJ2X	001	01105(SOIL/01-2798)	05/30/01	13:10
EEJ3D	002	01106(Drilling Mud/01-2186)	06/05/01	15:12
EEJ3J	003	01107(Drilling Mud/01-2187)	06/05/01	15:23
EEJ3L	004	01108(Drilling Mud/01-1912)	06/04/01	12:48
EEJ3Q	005	01109(Drilling Mud/01-1965)	06/04/01	13:20
EEJ3T	006	01110(Drilling Mud/01-1911)	06/04/01	13:10
EEJ30	007	01111(Drilling Mud/01-1987)	06/04/01	13:15
EEJ37	008	01112(Drilling Mud/01-1964)	06/04/01	13:28

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.

BOEING

Client Sample ID: 01105(SOIL/01-2798)

GC Semivolatiles

Lot-Sample #...: E1F070346-001 **Work Order #...:** EEJ2X1AX **Matrix.....:** SOLID
Date Sampled...: 05/30/01 13:10 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159198
Prep Date.....: 06/08/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1159389 **Analysis Time..:** 15:24
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G02
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Motor Oil Range Organics (C25-C36)	ND	10	mg/kg	5.0
Diesel Range Organics (C10-C25)	ND	10	mg/kg	6.0
Unknown Hydrocarbon	ND	10	mg/kg	6.0

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

BOEING

Client Sample ID: 01105(SOIL/01-2798)

GC Volatiles

Lot-Sample #...:	E1F070346-001	**Work Order #...:**	EEJ2X1AW	**Matrix.....:**	SOLID
Date Sampled...:	05/30/01 13:10	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1159138
Prep Date.....:	06/08/01	**Analysis Date..:**	06/08/01		
Prep Batch #...:	1159292	**Analysis Time..:**	12:06		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Gasoline Range Organics (C6-C10)	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	83	(60 - 130)

BOEING

Client Sample ID: 01105(SOIL/01-2798)

GC/MS Volatiles

Lot-Sample #...: E1F070346-001 **Work Order #...:** EEJ2X1AA **Matrix.....:** SOLID
Date Sampled...: 05/30/01 13:10 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1162211
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1162368 **Analysis Time..:** 18:56
Dilution Factor: 1
Analyst ID.....: 999998 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	15
Acrolein	ND	100	ug/kg	30
Acrylonitrile	ND	50	ug/kg	30
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	3.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
Chloroethane	ND	10	ug/kg	2.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0

(Continued on next page)

BOEING

Client Sample ID: 01105(SOIL/01-2798)

GC/MS Volatiles

Lot-Sample #...: E1F070346-001 **Work Order #...:** EEJ2X1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Iodomethane	ND	10	ug/kg	5.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	2.0
Tetrahydrofuran	ND	20	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl acetate	ND	10	ug/kg	5.0
Vinyl chloride	ND	10	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(70 - 130)
1,2-Dichloroethane-d4	101	(60 - 140)
Toluene-d8	106	(70 - 130)

BOEING

Client Sample ID: 01106(Drilling Mud/01-2186)

GC Semivolatiles

Lot-Sample #...:	E1F070346-002	**Work Order #...:**	EEJ3D1AX	**Matrix.....:**	SOLID
Date Sampled...:	06/05/01 15:12	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1159198
Prep Date.....:	06/08/01	**Analysis Date..:**	06/11/01		
Prep Batch #...:	1159389	**Analysis Time..:**	16:03		
Dilution Factor:	1				
Analyst ID.....:	356074	**Instrument ID..:**	G02		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Motor Oil Range Organics (C25-C36)	ND	10	mg/kg	5.0
Diesel Range Organics (C10-C25)	ND	10	mg/kg	6.0
Unknown Hydrocarbon	ND	10	mg/kg	6.0

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

BOEING

Client Sample ID: 01106(Drilling Mud/01-2186)

GC Volatiles

Lot-Sample #...:	E1F070346-002	**Work Order #...:**	EEJ3D1AW	**Matrix.....:**	SOLID
Date Sampled...:	06/05/01 15:12	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1159138
Prep Date.....:	06/08/01	**Analysis Date..:**	06/08/01		
Prep Batch #...:	1159292	**Analysis Time..:**	12:35		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Gasoline Range Organics (C6-C10)	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	79	(60 - 130)

BOEING

Client Sample ID: 01106(Drilling Mud/01-2186)

GC/MS Volatiles

Lot-Sample #...: E1F070346-002 **Work Order #...:** EEJ3D1AA **Matrix.....:** SOLID
Date Sampled...: 06/05/01 15:12 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1162211
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1162368 **Analysis Time..:** 19:27
Dilution Factor: 1
Analyst ID.....: 999998 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	15
Acrolein	ND	100	ug/kg	30
Acrylonitrile	ND	50	ug/kg	30
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	3.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
Chloroethane	ND	10	ug/kg	2.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0

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BOEING

Client Sample ID: 01106(Drilling Mud/01-2186)

GC/MS Volatiles

Lot-Sample #...: E1F070346-002 **Work Order #...:** EEJ3D1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Iodomethane	ND	10	ug/kg	5.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	2.0
Tetrahydrofuran	ND	20	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl acetate	ND	10	ug/kg	5.0
Vinyl chloride	ND	10	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(70 - 130)
1,2-Dichloroethane-d4	99	(60 - 140)
Toluene-d8	105	(70 - 130)

BOEING

Client Sample ID: 01107(Drilling Mud/01-2187)

GC Semivolatiles

Lot-Sample #...: E1F070346-003 **Work Order #...:** EEJ3J1AX **Matrix.....:** SOLID
Date Sampled...: 06/05/01 15:23 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159198
Prep Date.....: 06/08/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1159389 **Analysis Time..:** 16:42
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G02
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Motor Oil Range Organics (C25-C36)	ND	10	mg/kg	5.0
Diesel Range Organics (C10-C25)	ND	10	mg/kg	6.0
Unknown Hydrocarbon	ND	10	mg/kg	6.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	73	(60 - 130)

BOEING

Client Sample ID: 01107(Drilling Mud/01-2187)

GC Volatiles

Lot-Sample #...: E1F070346-003 **Work Order #...:** EEJ3J1AW **Matrix.....:** SOLID
Date Sampled...: 06/05/01 15:23 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159138
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1159292 **Analysis Time..:** 13:03
Dilution Factor: 1
Analyst ID.....: 001464 **Instrument ID..:** G16
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Gasoline Range Organics (C6-C10)	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	79	(60 - 130)

BOEING

Client Sample ID: 01107(Drilling Mud/01-2187)

GC/MS Volatiles

Lot-Sample #...: E1F070346-003 **Work Order #...:** EEJ3J1AA **Matrix.....:** SOLID
Date Sampled...: 06/05/01 15:23 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1162211
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1162368 **Analysis Time..:** 20:57
Dilution Factor: 1
Analyst ID.....: 999998 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	15
Acrolein	ND	100	ug/kg	30
Acrylonitrile	ND	50	ug/kg	30
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	3.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
Chloroethane	ND	10	ug/kg	2.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0

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BOEING

Client Sample ID: 01107(Drilling Mud/01-2187)

GC/MS Volatiles

Lot-Sample #...: E1F070346-003 **Work Order #...:** EEJ3J1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Iodomethane	ND	10	ug/kg	5.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	2.0
Tetrahydrofuran	ND	20	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl acetate	ND	10	ug/kg	5.0
Vinyl chloride	ND	10	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(70 - 130)
1,2-Dichloroethane-d4	100	(60 - 140)
Toluene-d8	106	(70 - 130)

BOEING

Client Sample ID: 01108(Drilling Mud/01-1912)

GC Semivolatiles

Lot-Sample #...: E1F070346-004 **Work Order #...:** EEJ3L1AX **Matrix.....:** SOLID
Date Sampled...: 06/04/01 12:48 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159198
Prep Date.....: 06/08/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1159389 **Analysis Time..:** 17:20
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G02
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Motor Oil Range Organics (C25-C36)	ND	10	mg/kg	5.0
Diesel Range Organics (C10-C25)	ND	10	mg/kg	6.0
Unknown Hydrocarbon	ND	10	mg/kg	6.0

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

BOEING

Client Sample ID: 01108(Drilling Mud/01-1912)

GC Volatiles

Lot-Sample #...:	E1F070346-004	**Work Order #...:**	EEJ3L1AW	**Matrix.....:**	SOLID
Date Sampled...:	06/04/01 12:48	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1159138
Prep Date.....:	06/08/01	**Analysis Date..:**	06/08/01		
Prep Batch #...:	1159292	**Analysis Time..:**	13:32		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Gasoline Range Organics (C6-C10)	ND	1.0	mg/kg	0.10

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

BOEING

Client Sample ID: 01108(Drilling Mud/01-1912)

GC/MS Volatiles

Lot-Sample #...: E1F070346-004 **Work Order #...:** EEJ3L1AA **Matrix.....:** SOLID
Date Sampled...: 06/04/01 12:48 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1163156
Prep Date.....: 06/11/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1163291 **Analysis Time..:** 16:36
Dilution Factor: 5
Analyst ID.....: 999998 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**3500**	**120**	**ug/kg**	**75**
Acrolein	ND	500	ug/kg	150
Acrylonitrile	ND	250	ug/kg	150
Benzene	ND	25	ug/kg	10
Bromobenzene	ND	25	ug/kg	10
Bromochloromethane	ND	25	ug/kg	5.0
Bromodichloromethane	ND	25	ug/kg	5.0
Bromoform	ND	25	ug/kg	15
Bromomethane	ND	50	ug/kg	10
2-Butanone	ND	120	ug/kg	75
n-Butylbenzene	ND	25	ug/kg	10
sec-Butylbenzene	ND	25	ug/kg	10
tert-Butylbenzene	ND	25	ug/kg	10
Carbon disulfide	ND	25	ug/kg	10
Carbon tetrachloride	ND	25	ug/kg	5.0
Chlorobenzene	ND	25	ug/kg	10
Dibromochloromethane	ND	25	ug/kg	25
1,2-Dibromo-3-chloro-propane	ND	50	ug/kg	15
Chloroethane	ND	50	ug/kg	10
2-Chloroethyl vinyl ether	ND	50	ug/kg	25
Chloroform	ND	25	ug/kg	5.0
Chloromethane	ND	50	ug/kg	15
2-Chlorotoluene	ND	25	ug/kg	10
4-Chlorotoluene	ND	25	ug/kg	10
1,2-Dibromoethane	ND	25	ug/kg	15
1,2-Dichlorobenzene	ND	25	ug/kg	10
1,3-Dichlorobenzene	ND	25	ug/kg	10
1,4-Dichlorobenzene	ND	25	ug/kg	10
Dichlorodifluoromethane	ND	50	ug/kg	5.0
1,1-Dichloroethane	ND	25	ug/kg	5.0
1,2-Dichloroethane	ND	25	ug/kg	5.0
1,1-Dichloroethene	ND	25	ug/kg	10
cis-1,2-Dichloroethene	ND	25	ug/kg	10
trans-1,2-Dichloroethene	ND	25	ug/kg	10
1,2-Dichloropropane	ND	25	ug/kg	5.0
2,2-Dichloropropane	ND	25	ug/kg	10

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BOEING

Client Sample ID: 01108(Drilling Mud/01-1912)

GC/MS Volatiles

Lot-Sample #...: E1F070346-004 **Work Order #...:** EEJ3L1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	25	ug/kg	5.0
cis-1,3-Dichloropropene	ND	25	ug/kg	5.0
trans-1,3-Dichloropropene	ND	25	ug/kg	15
Ethylbenzene	ND	25	ug/kg	10
Trichlorofluoromethane	ND	50	ug/kg	10
Hexachlorobutadiene	ND	25	ug/kg	10
2-Hexanone	ND	120	ug/kg	50
Iodomethane	ND	50	ug/kg	25
Isopropylbenzene	ND	25	ug/kg	10
p-Isopropyltoluene	ND	25	ug/kg	10
Methylene chloride	ND	25	ug/kg	15
4-Methyl-2-pentanone	ND	120	ug/kg	50
n-Propylbenzene	ND	25	ug/kg	10
Styrene	ND	50	ug/kg	10
1,1,1,2-Tetrachloroethane	ND	25	ug/kg	15
1,1,2,2-Tetrachloroethane	ND	25	ug/kg	15
Tetrachloroethene	ND	25	ug/kg	10
Tetrahydrofuran	ND	100	ug/kg	50
Toluene	ND	25	ug/kg	10
1,2,3-Trichlorobenzene	ND	25	ug/kg	10
1,2,4-Trichloro-benzene	ND	25	ug/kg	10
1,1,1-Trichloroethane	ND	25	ug/kg	5.0
1,1,2-Trichloroethane	ND	25	ug/kg	15
Trichloroethene	ND	25	ug/kg	10
1,2,3-Trichloropropane	ND	25	ug/kg	15
1,2,4-Trimethylbenzene	ND	25	ug/kg	10
1,3,5-Trimethylbenzene	ND	25	ug/kg	10
Vinyl acetate	ND	50	ug/kg	25
Vinyl chloride	ND	50	ug/kg	10
Xylenes (total)	ND	25	ug/kg	15
Methyl tert-butyl ether	ND	25	ug/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	111	(70 - 130)
1,2-Dichloroethane-d4	95	(60 - 140)
Toluene-d8	113	(70 - 130)

BOEING

Client Sample ID: 01109(Drilling Mud/01-1965)

GC Semivolatiles

Lot-Sample #...: E1F070346-005 **Work Order #...:** EEJ3Q1AX **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:20 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159198
Prep Date.....: 06/08/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1159389 **Analysis Time..:** 17:59
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G02
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Motor Oil Range Organics (C25-C36)	ND	10	mg/kg	5.0
Diesel Range Organics (C10-C25)	ND	10	mg/kg	6.0
Unknown Hydrocarbon	ND	10	mg/kg	6.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	84	(60 - 130)

BOEING

Client Sample ID: 01109(Drilling Mud/01-1965)

GC Volatiles

Lot-Sample #...: E1F070346-005 **Work Order #...:** EEJ3Q1AW **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:20 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159138
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1159292 **Analysis Time..:** 14:00
Dilution Factor: 1
Analyst ID.....: 001464 **Instrument ID..:** G16
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Gasoline Range Organics (C6-C10)	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	82	(60 - 130)

BOEING

Client Sample ID: 01109(Drilling Mud/01-1965)

GC/MS Volatiles

Lot-Sample #...: E1F070346-005 **Work Order #...:** EEJ3Q1AA **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:20 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1162211
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1162368 **Analysis Time..:** 21:58
Dilution Factor: 1
Analyst ID.....: 999998 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	15
Acrolein	ND	100	ug/kg	30
Acrylonitrile	ND	50	ug/kg	30
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	3.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
Chloroethane	ND	10	ug/kg	2.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0

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BOEING

Client Sample ID: 01109(Drilling Mud/01-1965)

GC/MS Volatiles

Lot-Sample #...: E1F070346-005 **Work Order #...:** EEJ3Q1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Iodomethane	ND	10	ug/kg	5.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	2.0
Tetrahydrofuran	ND	20	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl acetate	ND	10	ug/kg	5.0
Vinyl chloride	ND	10	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(70 - 130)
1,2-Dichloroethane-d4	101	(60 - 140)
Toluene-d8	105	(70 - 130)

BOEING

Client Sample ID: 01110(Drilling Mud/01-1911)

GC Semivolatiles

Lot-Sample #...: E1F070346-006 **Work Order #...:** EEJ3T1AX **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:10 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159198
Prep Date.....: 06/08/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1159389 **Analysis Time..:** 18:38
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G02
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Motor Oil Range Organics (C25-C36)	ND	10	mg/kg	5.0
Diesel Range Organics (C10-C25)	ND	10	mg/kg	6.0
Unknown Hydrocarbon	ND	10	mg/kg	6.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	76	(60 - 130)

BOEING

Client Sample ID: 01110(Drilling Mud/01-1911)

GC Volatiles

Lot-Sample #...:	E1F070346-006	**Work Order #...:**	EEJ3T1AW	**Matrix.....:**	SOLID
Date Sampled...:	06/04/01 13:10	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1159138
Prep Date.....:	06/08/01	**Analysis Date..:**	06/08/01		
Prep Batch #...:	1159292	**Analysis Time..:**	14:28		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G16		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Gasoline Range Organics (C6-C10)	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	85	(60 - 130)

BOEING

Client Sample ID: 01110(Drilling Mud/01-1911)

GC/MS Volatiles

Lot-Sample #...: E1F070346-006 **Work Order #...:** EEJ3T1AA **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:10 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1162211
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1162368 **Analysis Time..:** 22:28
Dilution Factor: 1
Analyst ID.....: 999998 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**130**	**25**	**ug/kg**	**15**
Acrolein	ND	100	ug/kg	30
Acrylonitrile	ND	50	ug/kg	30
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	3.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
Chloroethane	ND	10	ug/kg	2.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0

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BOEING

Client Sample ID: 01110(Drilling Mud/01-1911)

GC/MS Volatiles

Lot-Sample #...: E1F070346-006 **Work Order #...:** EEJ3T1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Iodomethane	ND	10	ug/kg	5.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	2.0
Tetrahydrofuran	ND	20	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl acetate	ND	10	ug/kg	5.0
Vinyl chloride	ND	10	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(70 - 130)
1,2-Dichloroethane-d4	105	(60 - 140)
Toluene-d8	106	(70 - 130)

BOEING

Client Sample ID: 01111(Drilling Mud/01-1987)

GC Semivolatiles

Lot-Sample #...: E1F070346-007 **Work Order #...:** EEJ301AX **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:15 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159198
Prep Date.....: 06/08/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1159389 **Analysis Time..:** 19:17
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G02
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Motor Oil Range Organics (C25-C36)	ND	10	mg/kg	5.0
Diesel Range Organics (C10-C25)	ND	10	mg/kg	6.0
Unknown Hydrocarbon	ND	10	mg/kg	6.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	88	(60 - 130)

BOEING

Client Sample ID: 01111(Drilling Mud/01-1987)

GC Volatiles

Lot-Sample #...: E1F070346-007 **Work Order #...:** EEJ301AW **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:15 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159138
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1159292 **Analysis Time..:** 14:57
Dilution Factor: 1
Analyst ID.....: 001464 **Instrument ID..:** G16
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Gasoline Range Organics (C6-C10)	ND	1.0	mg/kg	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	83	(60 - 130)

BOEING

Client Sample ID: 01111(Drilling Mud/01-1987)

GC/MS Volatiles

Lot-Sample #...: E1F070346-007 **Work Order #...:** EEJ301AA **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:15 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1162211
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1162368 **Analysis Time..:** 22:58
Dilution Factor: 1
Analyst ID.....: 999998 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	15
Acrolein	ND	100	ug/kg	30
Acrylonitrile	ND	50	ug/kg	30
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	3.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
Chloroethane	ND	10	ug/kg	2.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0

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BOEING

Client Sample ID: 01111(Drilling Mud/01-1987)

GC/MS Volatiles

Lot-Sample #...: E1F070346-007 **Work Order #...:** EEJ301AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Iodomethane	ND	10	ug/kg	5.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	2.0
Tetrahydrofuran	ND	20	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl acetate	ND	10	ug/kg	5.0
Vinyl chloride	ND	10	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(70 - 130)
1,2-Dichloroethane-d4	100	(60 - 140)
Toluene-d8	104	(70 - 130)

BOEING

Client Sample ID: 01112(Drilling Mud/01-1964)

GC Semivolatiles

Lot-Sample #...: E1F070346-008 **Work Order #...:** EEJ371AX **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:28 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159198
Prep Date.....: 06/08/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1159389 **Analysis Time..:** 19:55
Dilution Factor: 1
Analyst ID.....: 356074 **Instrument ID..:** G02
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Motor Oil Range Organics (C25-C36)	ND	10	mg/kg	5.0
Diesel Range Organics (C10-C25)	ND	10	mg/kg	6.0
Unknown Hydrocarbon	ND	10	mg/kg	6.0

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

BOEING

Client Sample ID: 01112(Drilling Mud/01-1964)

GC Volatiles

Lot-Sample #...: E1F070346-008 **Work Order #...:** EEJ371AW **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:28 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1159138
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1159292 **Analysis Time..:** 15:25
Dilution Factor: 1
Analyst ID.....: 001464 **Instrument ID..:** G16
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Gasoline Range Organics (C6-C10)	ND	1.0	mg/kg	0.10

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

000038

BOEING

Client Sample ID: 01112(Drilling Mud/01-1964)

GC/MS Volatiles

Lot-Sample #...: E1F070346-008 **Work Order #...:** EEJ371AA **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:28 **Date Received..:** 06/07/01 15:30 **MS Run #.....:** 1162211
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1162368 **Analysis Time..:** 23:28
Dilution Factor: 1
Analyst ID.....: 999998 **Instrument ID..:** MSD
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	15
Acrolein	ND	100	ug/kg	30
Acrylonitrile	ND	50	ug/kg	30
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	3.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
Chloroethane	ND	10	ug/kg	2.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0

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BOEING

Client Sample ID: 01112(Drilling Mud/01-1964)

GC/MS Volatiles

Lot-Sample #...: E1F070346-008 **Work Order #...:** EEJ371AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Iodomethane	ND	10	ug/kg	5.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	2.0
Tetrahydrofuran	ND	20	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl acetate	ND	10	ug/kg	5.0
Vinyl chloride	ND	10	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(70 - 130)
1,2-Dichloroethane-d4	104	(60 - 140)
Toluene-d8	104	(70 - 130)

BOEING

Client Sample ID: 01105(SOIL/01-2798)

TOTAL Metals

Lot-Sample #...: E1F070346-001 **Matrix.....:** SOLID
Date Sampled...: 05/30/01 13:10 **Date Received..:** 06/07/01 15:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1159404						
Arsenic	**10.9**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ2X1AC**
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ2X1AD
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.20	
Barium	**166**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ2X1AE**
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Cadmium	**0.60**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ2X1AF**
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Chromium	**23.2**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ2X1AG**
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Beryllium	**0.52**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ2X1AH**
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Lead	**5.4**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ2X1AJ**
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ2X1AK
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Silver	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ2X1AL
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	

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BOEING

Client Sample ID: 01105(SOIL/01-2798)

TOTAL Metals

Lot-Sample #...: E1F070346-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	9.3	5.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ2X1AM
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Copper	27.7	2.5	mg/kg	SW846 6010B	06/08-06/12/01	EEJ2X1AN
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Molybdenum	0.41 B	4.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ2X1AP
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Nickel	18.5	4.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ2X1AQ
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Thallium	0.62 B	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ2X1AR
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.50	
Vanadium	43.8	5.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ2X1AT
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Zinc	50.8	2.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ2X1AU
		Dilution Factor: 1		Analysis Time..: 18:01	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 1.0	
Prep Batch #...: 1159411						
Mercury	0.065 B	0.10	mg/kg	SW846 7471A	06/09-06/11/01	EEJ2X1AV
		Dilution Factor: 1		Analysis Time..: 11:37	Analyst ID.....: 0031194	
		Instrument ID..: M04		MS Run #.....: 1159220	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

BOEING

Client Sample ID: 01106(Drilling Mud/01-2186)

TOTAL Metals

Lot-Sample #...: E1F070346-002 **Matrix.....:** SOLID
Date Sampled...: 06/05/01 15:12 **Date Received..:** 06/07/01 15:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1159404						
Arsenic	**1.7**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AC**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3D1AD
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.20	
Barium	**24.7**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AE**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Cadmium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3D1AF
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Chromium	**4.6**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AG**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Beryllium	**0.15 B**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AH**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Lead	**1.5**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AJ**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3D1AK
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Silver	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3D1AL
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	

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BOEING

Client Sample ID: 01106(Drilling Mud/01-2186)

TOTAL Metals

Lot-Sample #...: E1F070346-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	**1.4 B**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AM**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Copper	**5.0**	**2.5**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AN**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Molybdenum	**0.34 B**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AP**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Nickel	**3.1 B**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AQ**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3D1AR
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.50	
Vanadium	**7.1**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AT**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Zinc	**10.4**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3D1AU**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 1.0	

Prep Batch #...: 1159411

Mercury	ND	0.10	mg/kg	SW846 7471A	06/09-06/11/01	EEJ3D1AV
		Dilution Factor: 1		Analysis Time..: 11:42	Analyst ID.....: 0031194	
		Instrument ID..: M04		MS Run #.....: 1159220	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

BOEING

Client Sample ID: 01107(Drilling Mud/01-2187)

TOTAL Metals

Lot-Sample #...: E1F070346-003 **Matrix.....:** SOLID
Date Sampled...: 06/05/01 15:23 **Date Received..:** 06/07/01 15:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1159404						
Arsenic	**0.85 B**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AC**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3J1AD
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.20	
Barium	**13.5**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AE**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Cadmium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3J1AF
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Chromium	**3.1**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AG**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Beryllium	**0.10 B**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AH**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Lead	**0.91**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AJ**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3J1AK
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Silver	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3J1AL
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	

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BOEING

Client Sample ID: 01107(Drilling Mud/01-2187)

TOTAL Metals

Lot-Sample #...: E1F070346-003 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	**0.84 B**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AM**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Copper	**3.2**	**2.5**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AN**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Molybdenum	**0.36 B**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AP**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Nickel	**2.0 B**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AQ**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3J1AR
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.50	
Vanadium	**4.6 B**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AT**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Zinc	**6.5**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3J1AU**
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 1.0	

Prep Batch #...: 1159411

Mercury	ND	0.10	mg/kg	SW846 7471A	06/09-06/11/01	EEJ3J1AV
		Dilution Factor: 1		Analysis Time..: 11:44	Analyst ID.....: 0031194	
		Instrument ID..: M04		MS Run #.....: 1159220	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

BOEING

Client Sample ID: 01108(Drilling Mud/01-1912)

TOTAL Metals

Lot-Sample #...: E1F070346-004 **Matrix.....:** SOLID
Date Sampled...: 06/04/01 12:48 **Date Received..:** 06/07/01 15:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1159404						
Arsenic	**3.1**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3L1AC**
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3L1AD
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.20	
Barium	**56.6**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3L1AE**
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Cadmium	**0.10 B**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3L1AF**
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Chromium	**8.5**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3L1AG**
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Beryllium	**0.24 B**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3L1AH**
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Lead	**2.3**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3L1AJ**
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Selenium	**0.49 B**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3L1AK**
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Silver	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3L1AL
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	

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BOEING

Client Sample ID: 01108(Drilling Mud/01-1912)

TOTAL Metals

Lot-Sample #...: E1F070346-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	3.1 B	5.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3L1AM
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Copper	8.7	2.5	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3L1AN
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Molybdenum	0.31 B	4.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3L1AP
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Nickel	6.4	4.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3L1AQ
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3L1AR
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.50	
Vanadium	14.6	5.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3L1AT
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Zinc	18.7	2.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3L1AU
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 1.0	

Prep Batch #...: 1159411

Mercury	0.028 B	0.10	mg/kg	SW846 7471A	06/09-06/11/01	EEJ3L1AV
		Dilution Factor: 1		Analysis Time..: 11:45	Analyst ID.....: 0031194	
		Instrument ID..: M04		MS Run #.....: 1159220	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

BOEING

Client Sample ID: 01109(Drilling Mud/01-1965)

TOTAL Metals

Lot-Sample #...: E1F070346-005 **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:20 **Date Received..:** 06/07/01 15:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1159404						
Arsenic	**3.8**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AC**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3Q1AD
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.20	
Barium	**55.3**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AE**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Cadmium	**0.14 B**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AF**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Chromium	**10.2**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AG**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Beryllium	**0.28 B**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AH**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Lead	**2.8**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AJ**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3Q1AK
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Silver	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3Q1AL
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	

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BOEING

Client Sample ID: 01109(Drilling Mud/01-1965)

TOTAL Metals

Lot-Sample #...: E1F070346-005 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	**3.5 B**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AM**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Copper	**8.7**	**2.5**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AN**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Molybdenum	**0.31 B**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AP**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Nickel	**7.3**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AQ**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3Q1AR
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.50	
Vanadium	**17.0**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AT**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Zinc	**22.3**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3Q1AU**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 1.0	

Prep Batch #...: 1159411

Mercury	ND	0.10	mg/kg	SW846 7471A	06/09-06/11/01	EEJ3Q1AV
		Dilution Factor: 1		Analysis Time..: 11:48	Analyst ID.....: 0031194	
		Instrument ID..: M04		MS Run #.....: 1159220	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

BOEING

Client Sample ID: 01110(Drilling Mud/01-1911)

TOTAL Metals

Lot-Sample #...: E1F070346-006 **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:10 **Date Received..:** 06/07/01 15:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1159404						
Arsenic	**2.4**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3T1AC**
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3T1AD
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.20	
Barium	**38.2**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3T1AE**
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Cadmium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3T1AF
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Chromium	**6.2**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3T1AG**
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Beryllium	**0.20 B**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3T1AH**
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Lead	**2.0**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3T1AJ**
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3T1AK
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Silver	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3T1AL
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	

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BOEING

Client Sample ID: 01110(Drilling Mud/01-1911)

TOTAL Metals

Lot-Sample #...: E1F070346-006 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	**2.1 B**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3T1AM**
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Copper	**6.6**	**2.5**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3T1AN**
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3T1AP
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Nickel	**4.6**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3T1AQ**
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ3T1AR
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.50	
Vanadium	**9.7**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3T1AT**
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Zinc	**12.9**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ3T1AU**
		Dilution Factor: 1		Analysis Time..: 19:25	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 1.0	

Prep Batch #...: 1159411

Mercury	ND	0.10	mg/kg	SW846 7471A	06/09-06/11/01	EEJ3T1AV
		Dilution Factor: 1		Analysis Time..: 11:53	Analyst ID.....: 0031194	
		Instrument ID..: M04		MS Run #.....: 1159220	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

BOEING

Client Sample ID: 01111(Drilling Mud/01-1987)

TOTAL Metals

Lot-Sample #...: E1F070346-007 **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:15 **Date Received..:** 06/07/01 15:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1159404						
Arsenic	**2.4**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AC**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ301AD
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.20	
Barium	**39.9**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AE**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Cadmium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ301AF
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Chromium	**6.1**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AG**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Beryllium	**0.20 B**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AH**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Lead	**2.2**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AJ**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ301AK
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Silver	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ301AL
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	

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BOEING

Client Sample ID: 01111(Drilling Mud/01-1987)

TOTAL Metals

Lot-Sample #...: E1F070346-007 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	**2.1 B**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AM**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Copper	**6.0**	**2.5**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AN**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Molybdenum	**0.40 B**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AP**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Nickel	**4.5**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AQ**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ301AR
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.50	
Vanadium	**9.9**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AT**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Zinc	**13.4**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ301AU**
		Dilution Factor: 1		Analysis Time..: 19:33	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 1.0	

Prep Batch #...: 1159411

Mercury	ND	0.10	mg/kg	SW846 7471A	06/09-06/11/01	EEJ301AV
		Dilution Factor: 1		Analysis Time..: 11:55	Analyst ID.....: 0031194	
		Instrument ID..: M04		MS Run #.....: 1159220	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

BOEING

Client Sample ID: 01112(Drilling Mud/01-1964)

TOTAL Metals

Lot-Sample #...: E1F070346-008 **Matrix.....:** SOLID
Date Sampled...: 06/04/01 13:28 **Date Received..:** 06/07/01 15:30

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1159404						
Arsenic	**3.0**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AC**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ371AD
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.20	
Barium	**40.9**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AE**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Cadmium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ371AF
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Chromium	**8.6**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AG**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Beryllium	**0.29 B**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AH**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.050	
Lead	**2.9**	**0.50**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AJ**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEJ371AK
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Silver	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ371AL
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	

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BOEING

Client Sample ID: 01112(Drilling Mud/01-1964)

TOTAL Metals

Lot-Sample #...: E1F070346-008 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	**2.9 B**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AM**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Copper	**8.4**	**2.5**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AN**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.40	
Molybdenum	**0.35 B**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AP**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Nickel	**6.2**	**4.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AQ**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEJ371AR
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.50	
Vanadium	**13.6**	**5.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AT**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 0.10	
Zinc	**19.0**	**2.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEJ371AU**
		Dilution Factor: 1		Analysis Time..: 19:42	Analyst ID.....: 0210884	
		Instrument ID..: M04		MS Run #.....: 1159214	MDL.....: 1.0	

Prep Batch #...: 1159411

Mercury	ND	0.10	mg/kg	SW846 7471A	06/09-06/11/01	EEJ371AV
		Dilution Factor: 1		Analysis Time..: 11:57	Analyst ID.....: 0031194	
		Instrument ID..: M04		MS Run #.....: 1159220	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

E1F070346

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8015B		1159389	1159198
	SOLID	SW846 8015B		1159292	1159138
	SOLID	SW846 7471A		1159411	1159220
	SOLID	SW846 8260B		1162368	1162211
	SOLID	SW846 6010B		1159404	1159214
002	SOLID	SW846 8015B		1159389	1159198
	SOLID	SW846 8015B		1159292	1159138
	SOLID	SW846 7471A		1159411	1159220
	SOLID	SW846 8260B		1162368	1162211
	SOLID	SW846 6010B		1159404	1159214
003	SOLID	SW846 8015B		1159389	1159198
	SOLID	SW846 8015B		1159292	1159138
	SOLID	SW846 7471A		1159411	1159220
	SOLID	SW846 8260B		1162368	1162211
	SOLID	SW846 6010B		1159404	1159214
004	SOLID	SW846 8015B		1159389	1159198
	SOLID	SW846 8015B		1159292	1159138
	SOLID	SW846 7471A		1159411	1159220
	SOLID	SW846 8260B		1163291	1163156
	SOLID	SW846 6010B		1159404	1159214
005	SOLID	SW846 8015B		1159389	1159198
	SOLID	SW846 8015B		1159292	1159138
	SOLID	SW846 7471A		1159411	1159220
	SOLID	SW846 8260B		1162368	1162211
	SOLID	SW846 6010B		1159404	1159214
006	SOLID	SW846 8015B		1159389	1159198
	SOLID	SW846 8015B		1159292	1159138
	SOLID	SW846 7471A		1159411	1159220
	SOLID	SW846 8260B		1162368	1162211
	SOLID	SW846 6010B		1159404	1159214
007	SOLID	SW846 8015B		1159389	1159198
	SOLID	SW846 8015B		1159292	1159138
	SOLID	SW846 7471A		1159411	1159220
	SOLID	SW846 8260B		1162368	1162211
	SOLID	SW846 6010B		1159404	1159214

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QC DATA ASSOCIATION SUMMARY

E1F070346

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
008	SOLID	SW846 8015B		1159389	1159198
	SOLID	SW846 8015B		1159292	1159138
	SOLID	SW846 7471A		1159411	1159220
	SOLID	SW846 8260B		1162368	1162211
	SOLID	SW846 6010B		1159404	1159214

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1F070346
MB Lot-Sample #: E1F080000-292

Analysis Date..: 06/08/01
Dilution Factor: 1

Work Order #...: EELCC1AA

Prep Date.....: 06/08/01
Prep Batch #...: 1159292

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 11:38
Instrument ID..: G16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Gasoline Range Organics (C6-C10)	ND	1.0	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	81	(60 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E1F070346
MB Lot-Sample #: E1F080000-389

Analysis Date..: 06/11/01
Dilution Factor: 1

Work Order #...: EEL1D1AA

Prep Date.....: 06/08/01
Prep Batch #...: 1159389

Analyst ID.....: 356074

Matrix.....: SOLID

Analysis Time..: 12:48
Instrument ID..: G02

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Motor Oil Range Organics	ND	10	mg/kg	SW846 8015B
Diesel Range Organics (C10-C25)	ND	10	mg/kg	SW846 8015B
Unknown Hydrocarbon	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/MS Volatiles

Client Lot #...: E1F070346
MB Lot-Sample #: E1F110000-368

Analysis Date..: 06/08/01
Dilution Factor: 1

Work Order #...: EEPLP1AA

Prep Date.....: 06/08/01
Prep Batch #...: 1162368

Analyst ID.....: 999998

Matrix.....: SOLID

Analysis Time..: 16:20
Instrument ID..: MSD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1F070346 **Work Order #...:** EEPLP1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(70 - 130)
1,2-Dichloroethane-d4	100	(60 - 140)
Toluene-d8	106	(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 #...: E1F070346
MB Lot-Sample #: E1F120000-291
Analysis Date..: 06/11/01
Dilution Factor: 1

Work Order #...: EEQ2W1AA
Prep Date.....: 06/11/01
Prep Batch #...: 1163291
Analyst ID.....: 999998

Matrix.....: SOLID
Analysis Time..: 15:33
Instrument ID..: MSD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	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
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1F070346 **Work Order #...:** EEQ2W1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	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
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	109	(70 - 130)
1,2-Dichloroethane-d4	99	(60 - 140)
Toluene-d8	112	(70 - 130)

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E1F080000-404 **Prep Batch #...:** 1159404						
Arsenic	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AA
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Antimony	ND	6.0	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AC
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Barium	ND	2.0	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AD
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Cadmium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AE
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Chromium	**0.23 B**	**1.0**	**mg/kg**	**SW846 6010B**	**06/08-06/12/01**	**EEL811AF**
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Beryllium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AG
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Lead	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AH
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Selenium	ND	0.50	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AJ
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Silver	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AK
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Cobalt	ND	5.0	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AL
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Copper	ND	2.5	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AM
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	ND	4.0	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AN
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Nickel	ND	4.0	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AP
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Thallium	ND	1.0	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AQ
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Vanadium	ND	5.0	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AR
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	
Zinc	ND	2.0	mg/kg	SW846 6010B	06/08-06/12/01	EEL811AT
		Dilution Factor: 1				
		Analysis Time..: 17:41		Analyst ID.....: 021088	Instrument ID..: M04	

MB Lot-Sample #: E1F080000-411 **Prep Batch #...:** 1159411

Mercury	ND	0.10	mg/kg	SW846 7471A	06/09-06/11/01	EEMCA1AA
		Dilution Factor: 1				
		Analysis Time..: 11:33		Analyst ID.....: 003119	Instrument ID..: M04	

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 Volatiles

Client Lot #...: E1F070346 **Work Order #...:** EELCC1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1F080000-292
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1159292 **Analysis Time..:** 11:09
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**5.18**	**mg/kg**	**104**	**SW846 8015B**

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E1F070346 **Work Order #...:** EEL1D1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1F080000-389
Prep Date.....: 06/08/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1159389 **Analysis Time..:** 14:45
Dilution Factor: 1 **Instrument ID..:** G02
Analyst ID.....: 356074

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**250**	**203**	**mg/kg**	**81**	**SW846 8015B**
Diesel Range Organics (C10-C25)	**250**	**205**	**mg/kg**	**82**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	89	(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 #...: E1F070346 **Work Order #...:** EEPLP1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1F110000-368
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1162368 **Analysis Time..:** 15:49
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**50.0**	**47.1**	**ug/kg**	**94**	**SW846 8260B**
Chlorobenzene	**50.0**	**49.8**	**ug/kg**	**100**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**52.6**	**ug/kg**	**105**	**SW846 8260B**
Toluene	**50.0**	**48.6**	**ug/kg**	**97**	**SW846 8260B**
Trichloroethene	**50.0**	**54.0**	**ug/kg**	**108**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(70 - 130)
1,2-Dichloroethane-d4	103	(60 - 140)
Toluene-d8	106	(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 #...: E1F070346 **Work Order #...:** EEQ2W1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1F120000-291
Prep Date.....: 06/11/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1163291 **Analysis Time..:** 15:03
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**50.0**	**46.5**	**ug/kg**	**93**	**SW846 8260B**
Chlorobenzene	**50.0**	**47.8**	**ug/kg**	**96**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**54.0**	**ug/kg**	**108**	**SW846 8260B**
Toluene	**50.0**	**47.9**	**ug/kg**	**96**	**SW846 8260B**
Trichloroethene	**50.0**	**48.7**	**ug/kg**	**97**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	112	(70 - 130)
1,2-Dichloroethane-d4	102	(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

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID

LCS Lot-Sample#: E1F080000-404 **Prep Batch #...:** 1159404

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	200	189	mg/kg	94	SW846 6010B	06/08-06/12/01	EEL811AU
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Antimony	50.0	48.5	mg/kg	97	SW846 6010B	06/08-06/12/01	EEL811AV
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Barium	200	204	mg/kg	102	SW846 6010B	06/08-06/12/01	EEL811AW
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Cadmium	5.00	5.14	mg/kg	103	SW846 6010B	06/08-06/12/01	EEL811AX
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Chromium	20.0	21.4	mg/kg	107	SW846 6010B	06/08-06/12/01	EEL811A0
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Beryllium	5.00	5.29	mg/kg	106	SW846 6010B	06/08-06/12/01	EEL811A1
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Lead	50.0	46.7	mg/kg	93	SW846 6010B	06/08-06/12/01	EEL811A2
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Selenium	200	181	mg/kg	90	SW846 6010B	06/08-06/12/01	EEL811A3
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Silver	5.00	4.92	mg/kg	98	SW846 6010B	06/08-06/12/01	EEL811A4
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Cobalt	50.0	51.7	mg/kg	103	SW846 6010B	06/08-06/12/01	EEL811A5
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	25.0	25.3	mg/kg	101	SW846 6010B	06/08-06/12/01	EEL811A6
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Molybdenum	100	99.0	mg/kg	99	SW846 6010B	06/08-06/12/01	EEL811A7
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Nickel	50.0	51.4	mg/kg	103	SW846 6010B	06/08-06/12/01	EEL811A8
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Thallium	200	183	mg/kg	92	SW846 6010B	06/08-06/12/01	EEL811A9
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Vanadium	50.0	52.0	mg/kg	104	SW846 6010B	06/08-06/12/01	EEL811CA
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	
Zinc	50.0	50.2	mg/kg	100	SW846 6010B	06/08-06/12/01	EEL811CC
			Dilution Factor: 1				
			Analysis Time..: 17:47		Analyst ID.....: 021088	Instrument ID..: M04	

LCS Lot-Sample#: E1F080000-411 **Prep Batch #...:** 1159411

Mercury	0.833	0.807	mg/kg	97	SW846 7471A	06/09-06/11/01	EEMCA1AC
			Dilution Factor: 1				
			Analysis Time..: 11:34		Analyst ID.....: 003119	Instrument ID..: M04	

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E1F070346 **Work Order #...:** EELCC1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1F080000-292
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1159292 **Analysis Time..:** 11:09
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

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

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E1F070346 **Work Order #...:** EEL1D1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1F080000-389
Prep Date.....: 06/08/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1159389 **Analysis Time..:** 14:45
Dilution Factor: 1 **Instrument ID..:** G02
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**81**	**(60 - 130)**	**SW846 8015B**
Diesel Range Organics (C10-C25)	**82**	**(60 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	89	(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 #...: E1F070346 **Work Order #...:** EEPLP1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1F110000-368
Prep Date.....: 06/08/01 **Analysis Date..:** 06/08/01
Prep Batch #...: 1162368 **Analysis Time..:** 15:49
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**94**	**(70 - 140)**	**SW846 8260B**
Chlorobenzene	**100**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethene	**105**	**(60 - 150)**	**SW846 8260B**
Toluene	**97**	**(70 - 130)**	**SW846 8260B**
Trichloroethene	**108**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(70 - 130)
1,2-Dichloroethane-d4	103	(60 - 140)
Toluene-d8	106	(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 #...: E1F070346 **Work Order #...:** EEQ2W1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1F120000-291
Prep Date.....: 06/11/01 **Analysis Date..:** 06/11/01
Prep Batch #...: 1163291 **Analysis Time..:** 15:03
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**93**	**(70 - 140)**	**SW846 8260B**
Chlorobenzene	**96**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethene	**108**	**(60 - 150)**	**SW846 8260B**
Toluene	**96**	**(70 - 130)**	**SW846 8260B**
Trichloroethene	**97**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	112	(70 - 130)
1,2-Dichloroethane-d4	102	(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

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1F080000-404 **Prep Batch #...:** 1159404					
Arsenic	94	(75 - 115)	SW846 6010B	06/08-06/12/01	EEL811AU
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Antimony	97	(75 - 115)	SW846 6010B	06/08-06/12/01	EEL811AV
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Barium	102	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811AW
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Cadmium	103	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811AX
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Chromium	107	(85 - 120)	SW846 6010B	06/08-06/12/01	EEL811A0
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Beryllium	106	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811A1
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Lead	93	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811A2
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Selenium	90	(70 - 115)	SW846 6010B	06/08-06/12/01	EEL811A3
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Silver	98	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811A4
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Cobalt	103	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811A5
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	101	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811A6
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Molybdenum	99	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811A7
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Nickel	103	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811A8
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Thallium	92	(75 - 120)	SW846 6010B	06/08-06/12/01	EEL811A9
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Vanadium	104	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811CA
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	
Zinc	100	(80 - 120)	SW846 6010B	06/08-06/12/01	EEL811CC
		Dilution Factor: 1			
		Analysis Time..: 17:47	Analyst ID.....: 021088	Instrument ID..: M04	

LCS Lot-Sample#: E1F080000-411 **Prep Batch #...:** 1159411

Mercury	97	(85 - 115)	SW846 7471A	06/09-06/11/01	EEMCA1AC
		Dilution Factor: 1			
		Analysis Time..: 11:34	Analyst ID.....: 003119	Instrument ID..: M04	

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID
Date Sampled...: 05/30/01 13:10 **Date Received..:** 06/07/01 15:30

MS Lot-Sample #: E1F070346-001 **Prep Batch #...:** 1159404

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic									
	10.9	200	195	mg/kg	92		SW846 6010B	06/08-06/12/01	EEJ2X1A2
	10.9	200	192	mg/kg	91	1.2	SW846 6010B	06/08-06/12/01	EEJ2X1A3
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Antimony									
	ND	50.0	8.80 N	mg/kg	18		SW846 6010B	06/08-06/12/01	EEJ2X1A4
	ND	50.0	9.08 N	mg/kg	18	3.2	SW846 6010B	06/08-06/12/01	EEJ2X1A5
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Barium									
	166	200	355	mg/kg	95		SW846 6010B	06/08-06/12/01	EEJ2X1A6
	166	200	346	mg/kg	90	2.8	SW846 6010B	06/08-06/12/01	EEJ2X1A7
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Cadmium									
	0.60	5.00	5.28	mg/kg	94		SW846 6010B	06/08-06/12/01	EEJ2X1A8
	0.60	5.00	5.16	mg/kg	91	2.4	SW846 6010B	06/08-06/12/01	EEJ2X1A9
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Chromium									
	23.2	20.0	43.1	mg/kg	99		SW846 6010B	06/08-06/12/01	EEJ2X1CA
	23.2	20.0	42.8	mg/kg	98	0.78	SW846 6010B	06/08-06/12/01	EEJ2X1CC
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Beryllium									
	0.52	5.00	5.52	mg/kg	100		SW846 6010B	06/08-06/12/01	EEJ2X1CD
	0.52	5.00	5.44	mg/kg	98	1.4	SW846 6010B	06/08-06/12/01	EEJ2X1CE
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID
Date Sampled...: 05/30/01 13:10 **Date Received..:** 06/07/01 15:30

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	5.4	50.0	52.0	mg/kg	93		SW846 6010B	06/08-06/12/01	EEJ2X1CF
	5.4	50.0	51.0	mg/kg	91	2.0	SW846 6010B	06/08-06/12/01	EEJ2X1CG
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Selenium									
	ND	200	178	mg/kg	89		SW846 6010B	06/08-06/12/01	EEJ2X1CH
	ND	200	177	mg/kg	88	0.82	SW846 6010B	06/08-06/12/01	EEJ2X1CJ
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Silver									
	ND	5.00	4.67	mg/kg	93		SW846 6010B	06/08-06/12/01	EEJ2X1CK
	ND	5.00	4.62	mg/kg	92	1.0	SW846 6010B	06/08-06/12/01	EEJ2X1CL
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Cobalt									
	9.3	50.0	58.2	mg/kg	98		SW846 6010B	06/08-06/12/01	EEJ2X1CM
	9.3	50.0	57.5	mg/kg	96	1.1	SW846 6010B	06/08-06/12/01	EEJ2X1CN
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Copper									
	27.7	25.0	52.7	mg/kg	100		SW846 6010B	06/08-06/12/01	EEJ2X1CP
	27.7	25.0	51.3	mg/kg	94	2.7	SW846 6010B	06/08-06/12/01	EEJ2X1CQ
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Molybdenum									
	0.41	100	92.3	mg/kg	92		SW846 6010B	06/08-06/12/01	EEJ2X1CR
	0.41	100	90.8	mg/kg	90	1.6	SW846 6010B	06/08-06/12/01	EEJ2X1CT
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					
Nickel									
	18.5	50.0	66.5	mg/kg	96		SW846 6010B	06/08-06/12/01	EEJ2X1CU
	18.5	50.0	65.8	mg/kg	95	1.2	SW846 6010B	06/08-06/12/01	EEJ2X1CV
				Dilution Factor: 1					
				Analysis Time..: 18:18		Instrument ID..: M04		Analyst ID.....: 021088	
				MS Run #.....: 1159214					

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID
Date Sampled...: 05/30/01 13:10 **Date Received..:** 06/07/01 15:30

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium									
	0.62	200	187	mg/kg	93		SW846 6010B	06/08-06/12/01	EEJ2X1CW
	0.62	200	184	mg/kg	92	1.6	SW846 6010B	06/08-06/12/01	EEJ2X1CX
			Dilution Factor: 1						
			Analysis Time..: 18:18		Instrument ID..: M04			Analyst ID.....: 021088	
			MS Run #.....: 1159214						
Vanadium									
	43.8	50.0	92.2	mg/kg	97		SW846 6010B	06/08-06/12/01	EEJ2X1C0
	43.8	50.0	90.9	mg/kg	94	1.5	SW846 6010B	06/08-06/12/01	EEJ2X1C1
			Dilution Factor: 1						
			Analysis Time..: 18:18		Instrument ID..: M04			Analyst ID.....: 021088	
			MS Run #.....: 1159214						
Zinc									
	50.8	50.0	100	mg/kg	98		SW846 6010B	06/08-06/12/01	EEJ2X1C2
	50.8	50.0	99.2	mg/kg	97	0.75	SW846 6010B	06/08-06/12/01	EEJ2X1C3
			Dilution Factor: 1						
			Analysis Time..: 18:18		Instrument ID..: M04			Analyst ID.....: 021088	
			MS Run #.....: 1159214						

MS Lot-Sample #: E1F070346-001 **Prep Batch #...:** 1159411

Mercury									
	0.065	0.167	0.232	mg/kg	100		SW846 7471A	06/09-06/11/01	EEJ2X1C4
	0.065	0.167	0.233	mg/kg	101	0.71	SW846 7471A	06/09-06/11/01	EEJ2X1C5
			Dilution Factor: 1						
			Analysis Time..: 11:38		Instrument ID..: M04			Analyst ID.....: 003119	
			MS Run #.....: 1159220						

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E1F070346	**Work Order #...:**	EEJ2X1A0-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1F070346-001		EEJ2X1A1-MSD		
Date Sampled...:	05/30/01 13:10	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1159138
Prep Date.....:	06/08/01	**Analysis Date..:**	06/08/01		
Prep Batch #...:	1159292	**Analysis Time..:**	20:43		
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**	**5.49**	**mg/kg**	**110**		**SW846 8015B**
	ND	**5.00**	**5.15**	**mg/kg**	**103**	**6.3**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	118	(60 - 130)
	115	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1F070346	**Work Order #...:**	EEJ2X1C6-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1F070346-001		EEJ2X1C7-MSD		
Date Sampled...:	05/30/01 13:10	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1162211
Prep Date.....:	06/08/01	**Analysis Date..:**	06/08/01		
Prep Batch #...:	1162368	**Analysis Time..:**	19:57		
Dilution Factor:	1	**Analyst ID.....:**	999998	**Instrument ID..:**	MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**ND**	**50.0**	**47.5**	**ug/kg**	**95**		**SW846 8260B**
	ND	**50.0**	**46.5**	**ug/kg**	**93**	**2.1**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**48.7**	**ug/kg**	**97**		**SW846 8260B**
	ND	**50.0**	**47.9**	**ug/kg**	**96**	**1.7**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**50.0**	**51.5**	**ug/kg**	**103**		**SW846 8260B**
	ND	**50.0**	**52.4**	**ug/kg**	**105**	**1.7**	**SW846 8260B**
Toluene	**ND**	**50.0**	**49.1**	**ug/kg**	**98**		**SW846 8260B**
	ND	**50.0**	**48.4**	**ug/kg**	**97**	**1.5**	**SW846 8260B**
Trichloroethene	**ND**	**50.0**	**55.1**	**ug/kg**	**110**		**SW846 8260B**
	ND	**50.0**	**55.2**	**ug/kg**	**110**	**0.21**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(70 - 130)
	108	(70 - 130)
1,2-Dichloroethane-d4	108	(60 - 140)
	106	(60 - 140)
Toluene-d8	108	(70 - 130)
	106	(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 #...:	E1F070346	**Work Order #...:**	EEJ4K1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1F070350-001		EEJ4K1AF-MSD		
Date Sampled...:	06/06/01 11:15	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1159198
Prep Date.....:	06/08/01	**Analysis Date..:**	06/11/01		
Prep Batch #...:	1159389	**Analysis Time..:**	15:24		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
TPH (as Diesel)	**ND**	**250**	**217**	**mg/kg**	**87**		**SW846 8015B**
	ND	**250**	**224**	**mg/kg**	**90**	**3.0**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	72	(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/MS Volatiles

Client Lot #...:	E1F070346	**Work Order #...:**	EEMQV1AD-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1F080347-002		EEMQV1AE-MSD		
Date Sampled...:	06/08/01 08:15	**Date Received..:**	06/08/01 16:00	**MS Run #.....:**	1163156
Prep Date.....:	06/11/01	**Analysis Date..:**	06/11/01		
Prep Batch #...:	1163291	**Analysis Time..:**	19:07		
Dilution Factor:	1	**Analyst ID.....:**	999998	**Instrument ID..:**	MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**ND**	**50.0**	**48.0**	**ug/kg**	**96**		**SW846 8260B**
	ND	**50.0**	**48.3**	**ug/kg**	**97**	**0.58**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**49.3**	**ug/kg**	**99**		**SW846 8260B**
	ND	**50.0**	**49.2**	**ug/kg**	**98**	**0.24**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**50.0**	**55.2**	**ug/kg**	**110**		**SW846 8260B**
	ND	**50.0**	**54.6**	**ug/kg**	**109**	**1.1**	**SW846 8260B**
Toluene	**ND**	**50.0**	**50.3**	**ug/kg**	**101**		**SW846 8260B**
	ND	**50.0**	**50.2**	**ug/kg**	**100**	**0.11**	**SW846 8260B**
Trichloroethene	**ND**	**50.0**	**53.9**	**ug/kg**	**108**		**SW846 8260B**
	ND	**50.0**	**56.6**	**ug/kg**	**113**	**4.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	111	(70 - 130)
	113	(70 - 130)
1,2-Dichloroethane-d4	101	(60 - 140)
	104	(60 - 140)
Toluene-d8	113	(70 - 130)
	114	(70 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID
Date Sampled...: 05/30/01 13:10 **Date Received..:** 06/07/01 15:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1F070346-001 **Prep Batch #...:** 1159404							
Arsenic	92	(75 - 115)			SW846 6010B	06/08-06/12/01	EEJ2X1A2
	91	(75 - 115)	1.2	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1A3
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Antimony	18 N	(75 - 115)			SW846 6010B	06/08-06/12/01	EEJ2X1A4
	18 N	(75 - 115)	3.2	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1A5
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Barium	95	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1A6
	90	(80 - 120)	2.8	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1A7
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Cadmium	94	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1A8
	91	(80 - 120)	2.4	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1A9
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Chromium	99	(85 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1CA
	98	(85 - 120)	0.78	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1CC
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Beryllium	100	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1CD
	98	(80 - 120)	1.4	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1CE
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Lead	93	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1CF
	91	(80 - 120)	2.0	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1CG
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID
Date Sampled...: 05/30/01 13:10 **Date Received..:** 06/07/01 15:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	89	(70 - 115)			SW846 6010B	06/08-06/12/01	EEJ2X1CH
	88	(70 - 115)	0.82	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1CJ
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Silver	93	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1CK
	92	(80 - 120)	1.0	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1CL
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Cobalt	98	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1CM
	96	(80 - 120)	1.1	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1CN
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Copper	100	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1CP
	94	(80 - 120)	2.7	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1CQ
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Molybdenum	92	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1CR
	90	(80 - 120)	1.6	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1CT
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Nickel	96	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1CU
	95	(80 - 120)	1.2	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1CV
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Thallium	93	(75 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1CW
	92	(75 - 120)	1.6	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1CX
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					
Vanadium	97	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1C0
	94	(80 - 120)	1.5	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1C1
		Dilution Factor: 1					
		Analysis Time..: 18:18			Instrument ID..: M04	Analyst ID.....: 021088	
		MS Run #.....: 1159214					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1F070346 **Matrix.....:** SOLID
Date Sampled...: 05/30/01 13:10 **Date Received..:** 06/07/01 15:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	98	(80 - 120)			SW846 6010B	06/08-06/12/01	EEJ2X1C2
	97	(80 - 120)	0.75	(0-25)	SW846 6010B	06/08-06/12/01	EEJ2X1C3

Dilution Factor: 1
Analysis Time..: 18:18 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 1159214

MS Lot-Sample #: E1F070346-001 **Prep Batch #...:** 1159411

Mercury	100	(80 - 120)			SW846 7471A	06/09-06/11/01	EEJ2X1C4
	101	(80 - 120)	0.71	(0-20)	SW846 7471A	06/09-06/11/01	EEJ2X1C5

Dilution Factor: 1
Analysis Time..: 11:38 Instrument ID..: M04 Analyst ID.....: 003119
MS Run #.....: 1159220

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	E1F070346	**Work Order #...:**	EEJ2X1A0-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1F070346-C01		EEJ2X1A1-MSD		
Date Sampled...:	05/30/01 13:10	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1159138
Prep Date.....:	06/08/01	**Analysis Date..:**	06/08/01		
Prep Batch #...:	1159292	**Analysis Time..:**	20:43		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G16

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**110**	**(80 - 140)**			**SW846 8015B**
	103	**(80 - 140)**	**6.3**	**(0-40)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	118	(60 - 130)
	115	(60 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1F070346	**Work Order #...:**	EEJ2X1C6-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1F070346-C01		EEJ2X1C7-MSD		
Date Sampled...:	05/30/01 13:10	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1162211
Prep Date.....:	06/08/01	**Analysis Date..:**	06/08/01		
Prep Batch #...:	1162368	**Analysis Time..:**	19:57		
Dilution Factor:	1	**Analyst ID.....:**	999998	**Instrument ID..:**	MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(70 - 140)**			**SW846 8260B**
	93	**(70 - 140)**	**2.1**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**97**	**(70 - 130)**			**SW846 8260B**
	96	**(70 - 130)**	**1.7**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**103**	**(60 - 150)**			**SW846 8260B**
	105	**(60 - 150)**	**1.7**	**(0-30)**	**SW846 8260B**
Toluene	**98**	**(70 - 130)**			**SW846 8260B**
	97	**(70 - 130)**	**1.5**	**(0-30)**	**SW846 8260B**
Trichloroethene	**110**	**(70 - 130)**			**SW846 8260B**
	110	**(70 - 130)**	**0.21**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(70 - 130)
	108	(70 - 130)
1,2-Dichloroethane-d4	108	(60 - 140)
	106	(60 - 140)
Toluene-d8	108	(70 - 130)
	106	(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 #...:	E1F070346	**Work Order #...:**	EEJ4K1AE-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1F070350-C01		EEJ4K1AF-MSD		
Date Sampled...:	06/06/01 11:15	**Date Received..:**	06/07/01 15:30	**MS Run #.....:**	1159198
Prep Date.....:	06/08/01	**Analysis Date..:**	06/11/01		
Prep Batch #...:	1159389	**Analysis Time..:**	15:24		
Dilution Factor:	1	**Analyst ID.....:**	356074	**Instrument ID..:**	G03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**87**	**(60 - 130)**			**SW846 8015B**
	90	**(60 - 130)**	**3.0**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	72	(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/MS Volatiles

Client Lot #...:	E1F070346	**Work Order #...:**	EEMQV1AD-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E1F080347-002		EEMQV1AE-MSD		
Date Sampled...:	06/08/01 08:15	**Date Received..:**	06/08/01 16:00	**MS Run #.....:**	1163156
Prep Date.....:	06/11/01	**Analysis Date..:**	06/11/01		
Prep Batch #...:	1163291	**Analysis Time..:**	19:07		
Dilution Factor:	1	**Analyst ID.....:**	999998	**Instrument ID..:**	MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(70 - 140)**			**SW846 8260B**
	97	**(70 - 140)**	**0.58**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**99**	**(70 - 130)**			**SW846 8260B**
	98	**(70 - 130)**	**0.24**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**110**	**(60 - 150)**			**SW846 8260B**
	109	**(60 - 150)**	**1.1**	**(0-30)**	**SW846 8260B**
Toluene	**101**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**0.11**	**(0-30)**	**SW846 8260B**
Trichloroethene	**108**	**(70 - 130)**			**SW846 8260B**
	113	**(70 - 130)**	**4.8**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	111	(70 - 130)
	113	(70 - 130)
1,2-Dichloroethane-d4	101	(60 - 140)
	104	(60 - 140)
Toluene-d8	113	(70 - 130)
	114	(70 - 130)

NOTE(S):

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

Bold print denotes control parameters