3R - 194

REPORTS

DATE:

9/1/2000

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

September 1, 2000

Mr. Scott T. Pope
El Paso Field Services
614 Reilly Ave.
Farmington, New Mexico 87401

RE: SOIL SAMPLE RESULTS
JAQUEZ COM C #1 & E #1

Dear Mr. Pope:

Enclosed are copies of the laboratory analytical results of the soil samples from the excavated area at the Jaquez Com C#1 and E #1 site that the New Mexico Oil Conservation Division (OCD) split with El Paso Field Service's (EPFS) on June 14, 2000. No volatile organics or total petroleum hydrocarbons were detected in either of the samples.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrologist
Environmental Bureau

enclosure

xc: Denny Foust, OCD Aztec District Office
John Jaquez

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Bill Olson
OCD
2040 S. Pacheco
Santa Fe, NM 87505

Report Date: 6/23/00

Project Number: N/A
Project Name: Jacquez
Project Location: Jacquez C#1

Order ID Number: A00061612

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to TraceAnalysis, Inc. for analysis:

Sample Number	Sample Description	Matrix	Date Taken	Time Taken	Date Received
148202	0006141355	Soil	6/14/00	-	6/16/00
148203	0006141320	Soil	6/14/00	-	6/16/00

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Results Report

Sample Number: 148202
Description: 0006141355

Param	Result	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
8260 (µg/Kg)									
Bromochloromethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Dichlorodifluoromethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Chloromethane (methyl chloride)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Vinyl Chloride	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Bromomethane (methyl bromide)	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5
Chloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Trichlorofluoromethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Acetone	<250	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	10
Iodomethane (methyl iodide)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Carbon Disulfide	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Acrylonitrile	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
2-Butanone (MEK)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
4-methyl-2-pentanone (MIBK)	<250	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	10
2-hexanone	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
trans 1,4-Dichloro-2-butene	<250	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	10
1,1-Dichloroethene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Methylene chloride	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5
MTBE	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
trans-1,2-Dichloroethene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1-Dichloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
cis-1,2-dichloroethene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
2,2-Dichloropropane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2-Dichloroethane (EDC)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Chloroform	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1,1-Trichloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1-Dichloropropene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Benzene	99	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Carbon Tetrachloride	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2-Dichloropropane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Trichloroethene (TCE)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Dibromomethane (methylene bromide)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Bromodichloromethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
2-Chloroethyl vinyl ether	<250	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	10
cis-1,3-Dichloropropene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
trans-1,3-Dichloropropene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Toluene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1,2-Trichloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,3-Dichloropropane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Dibromochloromethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2-Dibromoethane (EDB)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Tetrachloroethene (PCE)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Chlorobenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1,1,2-Tetrachloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Ethylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
m,p-Xylene	115	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Bromoform	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Styrene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
o-Xylene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2

1,1,2,2-Tetrachloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
2-Chlorotoluene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2,3-Trichloropropane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Isopropylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Bromobenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
n-Propylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,3,5-Trimethylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
tert-Butylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2,4-Trimethylbenzene	55	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,4-Dichlorobenzene (para)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
sec-Butylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,3-Dichlorobenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
p-Isopropyltoluene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
4-Chlorotoluene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2-Dichlorobenzene (ortho)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
n-Butylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2-Dibromo-3-chloropropane	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5
1,2,3-Trichlorobenzene	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5
1,2,4-Trichlorobenzene	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5
Naphthalene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Hexachlorobutadiene	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5

Surrogate (µg/Kg)	Result	Dilution	Spike Amount	% Rec.	% Rec. Limit	Analyst	Prep Batch #	QC Batch #
Dibromofluoromethane	48.49	1	50	97	69 - 116	JG	PB02831	QC03277
Toluene-d8	50.35	1	50	101	88 - 114	JG	PB02831	QC03277
4-Bromofluorobenzene	51.76	1	50	104	74 - 110	JG	PB02831	QC03277

TPH DRO (mg/Kg)									
DRO	<50	1	Mod. 8015B	6/19/00	6/19/00	BP	PB02862	QC03323	50
TPH GRO (mg/Kg)									
GRO	<5	1	8015B	6/19/00	6/20/00	RC	PB02836	QC03319	0.1

Sample Number: 148203
Description: 0006141320

Param	Result	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
8260 (µg/Kg)									
Bromochloromethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Dichlorodifluoromethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Chloromethane (methyl chloride)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Vinyl Chloride	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Bromomethane (methyl bromide)	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5
Chloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Trichlorofluoromethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Acetone	<250	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	10
Iodomethane (methyl iodide)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Carbon Disulfide	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Acrylonitrile	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
2-Butanone (MEK)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
4-methyl-2-pentanone (MIBK)	<250	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	10
2-hexanone	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
trans 1,4-Dichloro-2-butene	<250	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	10
1,1-Dichloroethene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Methylene chloride	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5
MTBE	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2

trans-1,2-Dichloroethene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1-Dichloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
cis-1,2-dichloroethene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
2,2-Dichloropropane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2-Dichloroethane (EDC)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Chloroform	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1,1-Trichloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1-Dichloropropene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Benzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Carbon Tetrachloride	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2-Dichloropropane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Trichloroethene (TCE)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Dibromomethane (methylene bromide)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Bromodichloromethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
2-Chloroethyl vinyl ether	<250	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	10
cis-1,3-Dichloropropene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
trans-1,3-Dichloropropene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Toluene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1,2-Trichloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,3-Dichloropropane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Dibromochloromethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2-Dibromoethane (EDB)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Tetrachloroethene (PCE)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Chlorobenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1,1,2-Tetrachloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Ethylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
m,p-Xylene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Bromoform	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Styrene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
o-Xylene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,1,2,2-Tetrachloroethane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
2-Chlorotoluene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2,3-Trichloropropane	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Isopropylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Bromobenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
n-Propylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,3,5-Trimethylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
tert-Butylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2,4-Trimethylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,4-Dichlorobenzene (para)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
sec-Butylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,3-Dichlorobenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
p-Isopropyltoluene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
4-Chlorotoluene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2-Dichlorobenzene (ortho)	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
n-Butylbenzene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
1,2-Dibromo-3-chloropropane	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5
1,2,3-Trichlorobenzene	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5
1,2,4-Trichlorobenzene	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5
Naphthalene	<50	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	2
Hexachlorobutadiene	<125	25	S 8260B	6/17/00	6/17/00	JG	PB02831	QC03277	5

Surrogate (µg/Kg)	Result	Dilution	Spike Amount	% Rec.	% Rec. Limit	Analyst	Prep Batch #	QC Batch #	
Dibromofluoromethane	48.17	1	50	96	69 - 116	JG	PB02831	QC03277	
Toluene-d8	49.74	1	50	99	88 - 114	JG	PB02831	QC03277	
4-Bromofluorobenzene	51.67	1	50	103	74 - 110	JG	PB02831	QC03277	
TPH DRO (mg/Kg)									
DRO	<50	1	Mod. 8015B	6/19/00	6/19/00	BP	PB02862	QC03323	50
TPH GRO (mg/Kg)									
GRO	<5	1	8015B	6/19/00	6/20/00	RC	PB02836	QC03319	0.1

Quality Control Report
Method Blanks

Param	Flag	Blank Result	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
Bromochloromethane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Dichlorodifluoromethane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Chloromethane (methyl chloride) (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Vinyl Chloride (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Bromomethane (methyl bromide) (µg/Kg)		<125	5	6/17/00	PB02831	QC03277
Chloroethane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Trichlorofluoromethane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Acetone (µg/Kg)		<250	10	6/17/00	PB02831	QC03277
Iodomethane (methyl iodide) (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Carbon Disulfide (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Acrylonitrile (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
2-Butanone (MEK) (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
4-methyl-2-pentanone (MIBK) (µg/Kg)		<250	10	6/17/00	PB02831	QC03277
2-hexanone (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
trans 1,4-Dichloro-2-butene (µg/Kg)		<250	10	6/17/00	PB02831	QC03277
1,1-Dichloroethene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Methylene chloride (µg/Kg)		<125	5	6/17/00	PB02831	QC03277
MTBE (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
trans-1,2-Dichloroethene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
1,1-Dichloroethane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
cis-1,2-dichloroethene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
2,2-Dichloropropane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
1,2-Dichloroethane (EDC) (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Chloroform (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
1,1,1-Trichloroethane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
1,1-Dichloropropene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Benzene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Carbon Tetrachloride (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
1,2-Dichloropropane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Trichloroethene (TCE) (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Dibromomethane (methylene bromide) (µg		<50	2	6/17/00	PB02831	QC03277
Bromodichloromethane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
2-Chloroethyl vinyl ether (µg/Kg)		<250	10	6/17/00	PB02831	QC03277
cis-1,3-Dichloropropene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
trans-1,3-Dichloropropene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Toluene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
1,1,2-Trichloroethane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
1,3-Dichloropropane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Dibromochloromethane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
1,2-Dibromoethane (EDB) (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Tetrachloroethene (PCE) (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Chlorobenzene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
1,1,1,2-Tetrachloroethane (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
Ethylbenzene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277
m,p-Xylene (µg/Kg)		<50	2	6/17/00	PB02831	QC03277

Bromoform (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
Styrene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
o-Xylene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
1,1,2,2-Tetrachloroethane (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
2-Chlorotoluene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
1,2,3-Trichloropropane (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
Isopropylbenzene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
Bromobenzene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
n-Propylbenzene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
1,3,5-Trimethylbenzene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
tert-Butylbenzene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
1,2,4-Trimethylbenzene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
1,4-Dichlorobenzene (para) (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
sec-Butylbenzene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
1,3-Dichlorobenzene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
p-Isopropyltoluene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
4-Chlorotoluene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
1,2-Dichlorobenzene (ortho) (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
n-Butylbenzene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
1,2-Dibromo-3-chloropropane (µg/Kg)	<125	5	6/17/00	PB02831	QC03277
1,2,3-Trichlorobenzene (µg/Kg)	<125	5	6/17/00	PB02831	QC03277
1,2,4-Trichlorobenzene (µg/Kg)	<125	5	6/17/00	PB02831	QC03277
Naphthalene (µg/Kg)	<50	2	6/17/00	PB02831	QC03277
Hexachlorobutadiene (µg/Kg)	<125	5	6/17/00	PB02831	QC03277

Surrogate	Result	Spike Amount	% Rec.	% Rec. Limit	QC Batch #
Dibromofluoromethane (µg/Kg)	51.77	50	104	69 - 116	QC03277
Toluene-d8 (µg/Kg)	54.16	50	108	88 - 114	QC03277
4-Bromofluorobenzene (µg/Kg)	43.76	50	88	74 - 110	QC03277

Param	Flag	Blank Result	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
GRO (mg/Kg)		<5	0.1	6/20/00	PB02836	QC03319

Quality Control Report
Matrix Spike and Matrix Duplicate Spike

Standard	Param	Sample Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
MS	1,1-Dichloroethene (ug/Kg)	<50	1	100	113	113		80 - 120	-	QC03277
MS	Benzene (ug/Kg)	<50	1	100	110	110		74 - 121	-	QC03277
MS	Trichloroethene (TCE) (ug/Kg)	<50	1	100	107	107		72 - 121	-	QC03277
MS	Toluene (ug/Kg)	<50	1	100	105	105		75 - 134	-	QC03277
MS	Chlorobenzene (ug/Kg)	<50	1	100	108	108		83 - 120	-	QC03277

Standard	Surrogate	Result	Dil.	Spike Amount	Analyst	% Rec.		% Rec. Limit	Prep Batch #	QC Batch #
MS	Dibromofluoromethane (µg/Kg)	48.51	1	50	JG	97		69 - 116	PB02831	QC03277
MS	Toluene-d8 (µg/Kg)	49.62	1	50	JG	99		88 - 114	PB02831	QC03277
MS	4-Bromofluorobenzene (µg/Kg)	50.84	1	50	JG	102		74 - 110	PB02831	QC03277

Standard	Param	Sample Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
MSD	1,1-Dichloroethene (ug/Kg)	<50	1	100	111	111	2	-	0 - 20	QC03277
MSD	Benzene (ug/Kg)	<50	1	100	108	108	2	-	0 - 20	QC03277
MSD	Trichloroethene (TCE) (ug/Kg)	<50	1	100	105	105	2	-	0 - 20	QC03277
MSD	Toluene (ug/Kg)	<50	1	100	103	103	2	-	0 - 20	QC03277
MSD	Chlorobenzene (ug/Kg)	<50	1	100	106	106	2	-	0 - 20	QC03277

Standard	Surrogate	Result	Dil.	Spike Amount	Analyst	% Rec.		% Rec. Limit	Prep Batch #	QC Batch #
MSD	Dibromofluoromethane (µg/Kg)	48.13	1	50	JG	96		69 - 116	PB02831	QC03277
MSD	Toluene-d8 (µg/Kg)	49.89	1	50	JG	100		88 - 114	PB02831	QC03277
MSD	4-Bromofluorobenzene (µg/Kg)	50.77	1	50	JG	102		74 - 110	PB02831	QC03277

Quality Control Report
Lab Control Spikes and Duplicate Spike

	Param	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	1,1-Dichloroethene (ug/Kg)	<50	1	100	103	103		80 - 120	-	QC03277
LCS	Benzene (ug/Kg)	<50	1	100	102	102		80 - 120	-	QC03277
LCS	Trichloroethene (TCE) (ug/Kg)	<50	1	100	100	100		80 - 120	-	QC03277
LCS	Toluene (ug/Kg)	<50	1	100	98	98		80 - 120	-	QC03277
LCS	Chlorobenzene (ug/Kg)	<50	1	100	101	101		80 - 120	-	QC03277

Standard	Surrogate	Dil.	Spike Amount	Result	% Rec.	% Rec. Limit	QC Batch #
LCS	Dibromofluoromethane (µg/Kg)	1	50	50.06	100	69 - 116	QC03277
LCS	Toluene-d8 (µg/Kg)	1	50	51.43	103	88 - 114	QC03277
LCS	4-Bromofluorobenzene (µg/Kg)	1	50	44.60	89	74 - 110	QC03277

	Param	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCSD	1,1-Dichloroethene (ug/Kg)	<50	1	100	107	107	4	-	0 - 20	QC03277
LCSD	Benzene (ug/Kg)	<50	1	100	105	105	3	-	0 - 20	QC03277
LCSD	Trichloroethene (TCE) (ug/Kg)	<50	1	100	103	103	3	-	0 - 20	QC03277
LCSD	Toluene (ug/Kg)	<50	1	100	101	101	3	-	0 - 20	QC03277
LCSD	Chlorobenzene (ug/Kg)	<50	1	100	103	103	2	-	0 - 20	QC03277

Standard	Surrogate	Dil.	Spike Amount	Result	% Rec.	% Rec. Limit	QC Batch #
LCSD	Dibromofluoromethane (µg/Kg)	1	50	50.96	102	69 - 116	QC03277
LCSD	Toluene-d8 (µg/Kg)	1	50	51.40	103	88 - 114	QC03277
LCSD	4-Bromofluorobenzene (µg/Kg)	1	50	45.13	90	74 - 110	QC03277

	Param	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	GRO (mg/Kg)	<5	1	1	1.05	105		80 - 120	-	QC03319
LCSD	GRO (mg/Kg)	<5	1	1	0.933	93	12	-	0 - 20	QC03319

Quality Control Report
Continuing Calibration Verification Standard

Standard	Param	Flag	CCVs TRUE Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
CCV 1	Vinyl Chloride (µg/Kg)		100	112	112	80 - 120	6/17/00	QC03277
CCV 1	1,1-Dichloroethene (µg/Kg)		100	106	106	64 - 149	6/17/00	QC03277
CCV 1	Chloroform (µg/Kg)		100	106	106	80 - 120	6/17/00	QC03277
CCV 1	1,2-Dichloropropane (µg/Kg)		100	107	107	80 - 120	6/17/00	QC03277
CCV 1	Toluene (µg/Kg)		100	106	106	70 - 127	6/17/00	QC03277
CCV 1	Chlorobenzene (µg/Kg)		100	105	105	76 - 122	6/17/00	QC03277
CCV 1	Ethylbenzene (µg/Kg)		100	108	108	80 - 120	6/17/00	QC03277
CCV 1	Dibromofluoromethane (µg/Kg)		50	49.98	100	73 - 129	6/17/00	QC03277
CCV 1	Toluene-d8 (µg/Kg)		50	50.16	100	87 - 114	6/17/00	QC03277
CCV 1	4-Bromofluorobenzene (µg/Kg)		50	51.82	104	65 - 112	6/17/00	QC03277

Standard	Param	Flag	CCVs TRUE Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	DRO (mg/Kg)		250	239	96	70 - 130	6/19/00	QC03323
CCV 1	DRO (mg/Kg)		250	265	106	70 - 130	6/19/00	QC03323

Standard	Param	Flag	CCVs TRUE Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	GRO (mg/Kg)		1	1.12	112	80 - 120	6/20/00	QC03319
CCV 1	GRO (mg/Kg)		1	0.975	98	80 - 120	6/20/00	QC03319

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6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

TraceAnalysis, Inc.

4725 Ripley Dr., Ste A
El Paso, Texas 79922-1028
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 00061508

Company Name: New Mexico Oil Cons. Div. Phone #: 505 827-7154

Address: (Street, City, Zip) 2040 South Pacheco Fax #: Santa Fe NM 87505

Contact Person: William Olson 505 827-8177

Invoice to: (If different from above)

Project #: Project Name: Jaguar

Project Location: Jaguar C#1 Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	SAMPLING: DATE	TIME
148202		1			X					X		6/14/00	
03		1			X					X		6/14/00	

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC-MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	8015 GRO + DRO per w.o.			Turn Around Time if different from standard	Hold
										X					X				
										X					X				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				6-15-00	10:30am

LAB USE ONLY

Intact (Y) N

Headspace ~~Y~~ ~~N~~ NA

Temp 5°C

Log-in Review

REMARKS: 6/23/00

UPS 12 3 12 4X J014 284 JX99

Carrier # Fed Ex 8205 7316 6448

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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