

GW - 20

REPORTS

YEAR(S):

3 of 43

2004-2003

RECEIVED

DEC 01 2000

Environmental Bureau
Oil Conservation Division

November 27, 2000

Mr. Wayne Price
New Mexico Oil Conservation Division
Environmental Bureau
2040 S. Pacheco
Santa Fe, New Mexico 87505

**RE: Maljamar Gas Plant, Maljamar, New Mexico
Vadose Zone Investigation of South Storage Area
To Support Section 14 A., Discharge Plan GW-020 Renewal**

Dear Mr. Price:

On behalf of Conoco Inc. (Conoco) Maxim Technologies, Inc. (Maxim) conducted a subsurface investigation on September 28, 2000 at the South Storage Area of the Maljamar Gas Plant. The investigation was conducted by Maxim personnel according to the guidelines put forth in the workplan forwarded to your office and approved on July 27, 2000. That plan and this investigation were precipitated by a request received from the New Mexico Energy, Minerals, and Natural Resources Department, Oil Conservation Division (OCD) in the Groundwater Discharge Plan GW-0202 Renewal document issued by OCD and dated May 28, 2000.

BACKGROUND

The affected area at the South Storage Area covers approximately 36,000 square feet south of the facilities at the Maljamar Gas Plant (Figure 1). Conoco used the area for storage of non-essential and out of service equipment. When the site was inspected by OCD in May 2000, several 55-gallon drums were reported in storage. These drums were subsequently removed from the area. Maxim visited the site on June 22, 2000 and noted several meter houses, an empty 200-gallon storage tank, and assorted soil stockpiles in the area. The stockpiled soil was derived from cleanup of a condensate spill, and was stored on bermed plastic containment areas. At the time of the vadose zone investigation (September 28, 2000), the South Storage Area had been completely cleared of all equipment and soil piles. There was no evidence of soil staining in the storage area.



Maxim submitted a work plan to address OCD's concerns about potential subsurface and surface soil contamination at the South Storage Area for their review and concurrence. Key points in the work plan included:

- Ten borings were planned for advancement in or near areas of current or historical storage activity. Soil samples were to be collected from each of the borings, and if sufficient contamination were encountered, additional borings would be advanced. Based on previous work in the area, the borings were not expected to exceed 40 feet below the ground surface (bgs).
- Soil samples were logged according to the Unified Soil classification System and field screened with a photo-ionization detector (PID) to detect the presence of volatile organic vapors. Usually the interval exhibiting the highest PID.
- Sampling equipment was decontaminated between each boring installation. Decontamination water was contained and disposed of correctly on site. Drill cuttings and excess soil sample were placed on plastic for later collection and disposal on site.
- Four samples were collected from the 0" to 6" bgs sample interval for analysis. The purpose of this program was to profile contaminant distribution with depth and provide data for determination of acceptable risk-based closure levels.
- In addition to the four composite shallow samples, one soil sample was to be collected from each soil boring for analysis. The soil samples were analyzed for BTEX, gasoline range organics, diesel range organics, major ions, and eight RCRA metals.

SOIL ASSESSMENT

The work plan was reviewed and approved by the OCD. Work commenced at the site on September 28, 2000 and field activities were completed that day. Maxim provided field oversight on soil boring activities conducted by Harrison and Cooper, Inc. Ten borings were advanced (designated B-1-B through B-10-B) in a cleared area known to have served as a storage/laydown yard south of the Maljamar plant site. Samples were obtained by using a 2-foot continuous, 2-inch diameter split spoon where possible. If the material was too well consolidated or if rock was encountered, samples were caught from drill cuttings.

To maximize the utility of this investigation, soil borings were field-located on the perimeter of the site or near areas of special interest within the storage yard location (Figure 2):

- Boring B-1-B Near the north perimeter of the storage area;
- Boring B-2-B In an area used for drum storage;
- Boring B-3-B In an area used for meter storage;
- Boring B-4-B On the west perimeter of the storage area;

- Boring B-5-B On the southwest perimeter of the storage area;
- Boring B-6-B In an area used for storage of excavated soil;
- Boring B-7-B Near an area used for soil storage adjacent to the south perimeter;
- Boring B-8-B In an area where soil was stored on visqueen;
- Boring B-9-B In an area where miscellaneous items were stored; and
- Boring B-10-B Near the northeast perimeter of the storage area.

Site Soils and Hydrogeology

The soil borings generally encountered silty sand and some caliche, ranging in color from orange/tan to dark brown (Attachment A). Some of the sandstone encountered at depths greater than ten feet was too well consolidated to allow sampling with the split spoon. Bulk drill samples were caught in these intervals. No appreciable moisture was encountered, even though in some intervals, the sand appeared slightly damp. No groundwater was discovered in any of the holes. Most of the borings were terminated at approximately 20 feet bgs if no appreciable contaminants were noted in field-testing of sample material. If PID readings indicated potential contamination, the borings were continued until PID readings returned to less than 10 parts per million (ppm).

Field Screening

Sample headspace analyses were run on-site by placing samples composited over a sample interval (usually either a five-foot or two-foot composite) into re-sealable plastic bags. The samples were allowed to volatilize in the bags for about fifteen minutes per OCD guidance. The headspace vapors were then tested by a photo-ionization detector, which detects low levels of petroleum hydrocarbons and other low molecular weight organic compounds in parts-per-million concentrations. PID readings on samples collected for analyses ranged as follows:

- B-1-B 0.4 – 0.8 ppm
- B-2-B 0.0 – 0.9 ppm
- B-3-B 0.5 – 7.9 ppm
- B-4-B 0.6 – 1.3 ppm
- B-5-B 0.7 – 2.1 ppm
- B-6-B 1.8 – 827.6 ppm
- B-7-B 3.3 – 977.2 ppm
- B-8-B 0.8 – 1.2 ppm
- B-9-B 0.7 – 3.0 ppm
- B-10-B 0.1 – 0.7 ppm

The soil boring logs have been attached to this report in Attachment A. Each log describes sample intervals with respect to soil/rock type and PID reading.

Soil Sampling and Analysis

One soil sample was collected from each soil boring for shipment to a laboratory for analysis. Samples were pulled from the interval exhibiting the highest PID reading.

Maxim Technologies, Inc.

Additional surface samples (0 – 6" bgs) were gathered from borings B-1-B, B-2-B, B-3-B, and B-8-B. These surface areas were chosen for testing because each of these borings was specifically located in areas with high potential for surface contamination, (i.e. drum storage areas, meter storage areas, and soil storage areas). These samples were composited according to the work plan and forwarded to the lab for analysis.

All soil samples were placed as quickly as possible into factory-cleaned glass jars with Teflon-lined lids, placed on ice, and shipped to Severn-Trent Laboratories in Tampa, Florida. The soil samples were tested for volatile petroleum hydrocarbons (VPH), EPA method 8015B; benzene, toluene, ethylbenzene, and xylene, (BTEX), EPA method 8260B; Resource Recovery and Conservation Act metals by EPA method 6010B; and "general chemistry" major ions using appropriate MCAWW 300-series analytical methods. Table 1 lists a synopsis of analytical results for the sample testwork. Attachment B contains analytical results, method detection limits, and chain of custody records.

CONCLUSIONS

Based on the preceding discussions, the following conclusions can be drawn:

- Soil borings as placed in the September 28, 2000 sampling event have delineated the aerial extent of contamination in the South Storage Area;
- Soil contamination was encountered in the B-6-B boring from approximately 6 feet bgs to approximately 10 feet bgs. The boring was continued to a total depth of 30 feet bgs, with PID readings rapidly decreasing to 1.8 ppm. These readings indicate that the vertical extent of contamination has been delineated in this area;
- Soil contamination was encountered in the B-7-B boring from approximately 3 feet bgs to approximately 15 feet bgs. The boring was continued to 30 feet bgs, where PID readings rapidly decreased to 3.3 ppm. These readings indicate that the vertical extent of contamination has been delineated in the area of this boring;
- This study, coupled with results of monitoring well installations in adjacent Area 1, indicates that groundwater underlying the South Storage Area is deeper (approximately 90 feet bgs) than vertical contamination limits; therefore, potential for contamination to groundwater in the immediate area is minimal. Additional groundwater monitoring wells are planned to confirm this conclusion.
- The laboratory results for the soil composite sample indicated slightly elevated levels of mercury, arsenic, and lead as well as elevated levels of chromium and barium. Levels of these metals and metalloids in the soil were comparable to levels of those same materials encountered in the borings samples. Diesel range organics (DRO) were somewhat elevated.

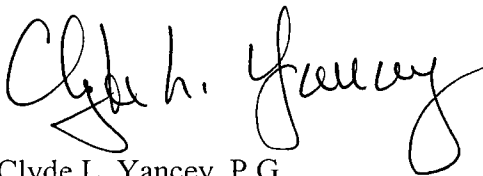
RECOMMENDATIONS

Maxim recommends that a minimum of three additional soil samples be collected in the vicinity of borings B-6-B and B-7-B from the zone exhibiting the visible oil staining. These samples will be analyzed for BTEX, both DRO and gasoline range organics (GRO), as well as for synthetic precipitation leaching procedure (SPLP) to determine

what constituents are leaching from this horizon and at what concentrations. Also, during the installation of additional monitor wells, associated with the skimmer basin investigation, a temporary monitor well will be installed downgradient of the South Storage Area to support a risk based corrective action. Groundwater will be analyzed from BTEX, GRO and DRO. The results of this investigation will be used to determine the applicability of closing the area through a risk based corrective action approach. The use of a vadose zone model may be required to demonstrate the effectiveness of natural attenuation, coupled with the facts that there is no exposure and Conoco will retain control of the area

If you have any questions or comments regarding this report, please do not hesitate to call Clyde Yancey at 505-237-8440 or John Skopak at 281-293-5584. We would appreciate your review and approval of our plan presented herein at your earliest convenience.

Sincerely,
MAXIM TECHNOLOGIES, INC.



Clyde L. Yancey, P.G.
Senior Project Manager



Tom Tangen
Environmental Engineer

Attachments

Copy to:

John E. Skopak, Conoco Remediation Technology/Houston, TX
Joyce M. Miley, Conoco NG&GP/Houston, TX
Rudy R. Quiroz, Conoco NG&GP/Maljamar, NM
Donna Williams, OCD/Hobbs, NM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
GRO, DRO, BTEX, COMMON IONS, and RCRA METALS
 Soil Samples B-1 through B-10 and Surface Composite Sample Collected on September 28, 2000

Sample ID	Benzene mg/kg	Toluene mg/kg	Ethyl- benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Major Cations and Anions mg/kg	RCRA Metals mg/kg
B-1 @ 13'	<0.0053	<0.0053	<0.0053	<0.0053	<5.3	<11	Chloride - <5.3 Fluoride - 1.6 Nitrate as N - <2.6 Sulfate - 14.8	Arsenic - 2.4 Barium - 122 Cadmium - <0.53 Lead - 4.1 Chromium - 5.4 Selenium - <1.3 Silver - <1.1 Mercury - <0.11
B-2 @ 18'-20'	<0.0058	<0.0058	<0.0058	<0.0058	<5.8	<12	Chloride - <5.8 Fluoride - 1.9 Nitrate as N - <2.9 Sulfate - 9.5	Arsenic - 1.2 Barium - 81.2 Cadmium - <0.58 Lead - 2.5 Chromium - <2.3 Selenium - <0.58 Silver - <1.2 Mercury - <.12
B-3 @ 8'-10'	<0.006	<0.006	<0.006	<0.006	<6.0	<12	Chloride - <6.0 Fluoride - 3.4 Nitrate as N - <3.0 Sulfate - <6.0	Arsenic - 1.6 Barium - 67.6 Cadmium - <0.6 Lead - 4.2 Chromium - <6.0 Selenium - <1.5 Silver - <1.2 Mercury - <.12

<p>TABLE 1</p> <p>SOIL SAMPLE ANALYTICAL RESULTS</p> <p>GRO, DRO, BTEX, COMMON IONS, and RCRA METALS</p> <p>Soil Samples B-1 through B-10 and Surface Composite Sample Collected on September 28, 2000</p>								
Sample ID	Benzene mg/kg	Toluene mg/kg	Ethyl- benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Major Cations and Anions mg/kg	RCRA Metals mg/kg
B-4 @ 5'-10"	<0.0061	<0.0061	<0.0061	<0.0061	<6.1	<12	Chloride - <6.1 Fluoride - 6.1 Nitrate as N - <3.1 Sulfate - 12.3	Arsenic - 1.6 Barium - 50.9 Cadmium - <0.61 Lead - 3.5 Chromium - 11.2 Selenium - <1.5 Silver - <1.2 Mercury - <.12
B-5 @ 5'-10'	<0.0059	<0.0059	<0.0059	<0.0059	<5.9	74	Chloride - 7.1 Fluoride - 2.0 Nitrate as N - <3.0 Sulfate - 10.9	Arsenic - 1.4 Barium - 20.7 Cadmium - <0.59 Lead - 2.7 Chromium - 56.9 Selenium - 0.41 Silver - <1.2 Mercury - <0.12
B-6 @ 5'-7'	<1.5	<1.5	16000	14000	480	2700	Chloride - 14.3 Fluoride - 1.2 Nitrate as N - <2.9 Sulfate - 9.0	Arsenic - 2.7 Barium - 43.5 Cadmium - <0.58 Lead - 4.8 Chromium - 66.6 Selenium - 0.62 Silver - <1.2 Mercury - 0.34

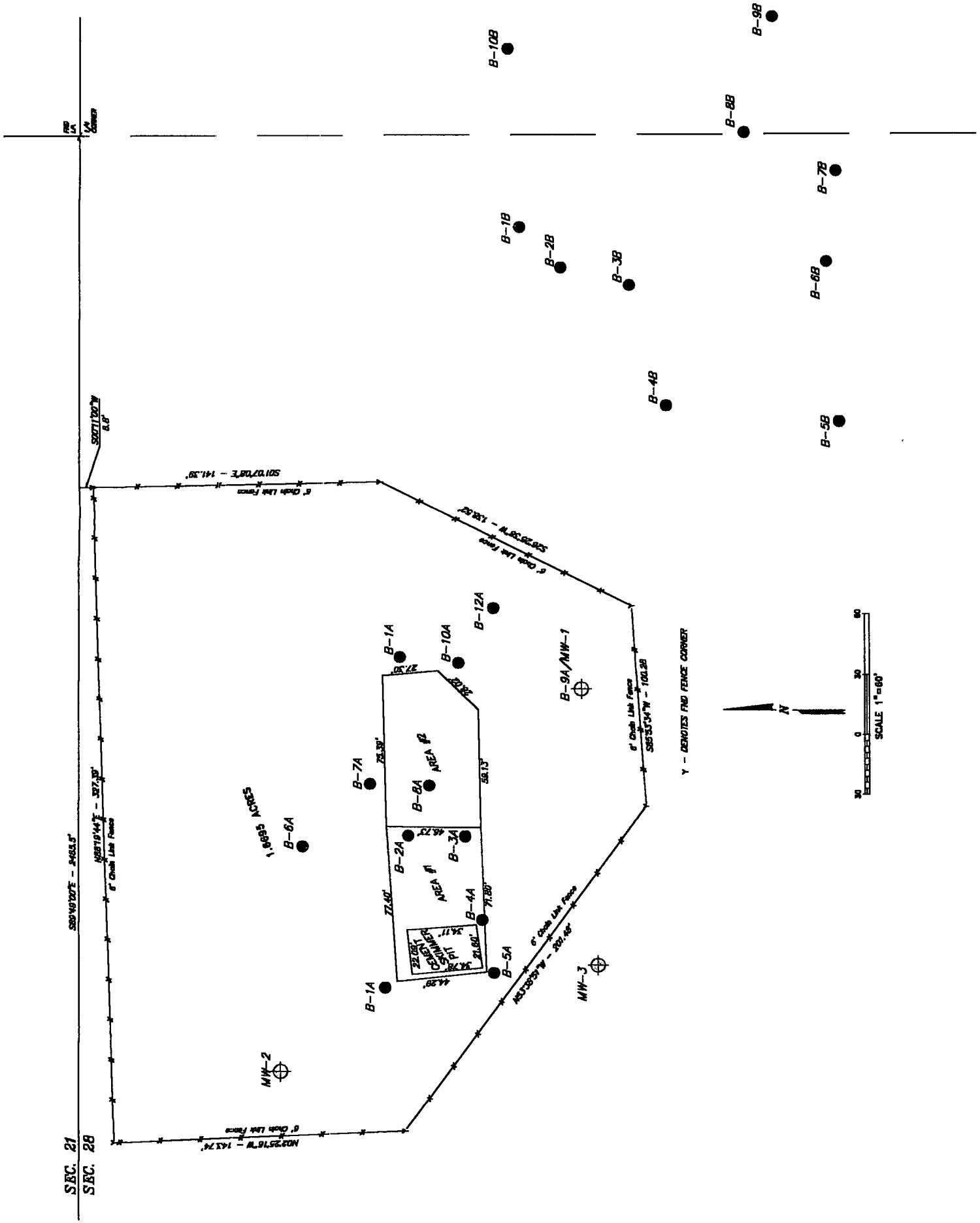
<p>TABLE 1</p> <p>SOIL SAMPLE ANALYTICAL RESULTS</p> <p>GRO, DRO, BTEX, COMMON IONS, and RCRA METALS</p> <p>Soil Samples B-1 through B-10 and Surface Composite Sample Collected on September 28, 2000</p>								
Sample ID	Benzene mg/kg	Toluene mg/kg	Ethyl- benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Major Cations and Anions mg/kg	RCRA Metals mg/kg
B-7 @ 5'-7'	<0.3	<0.3	3000	2300	170	3800	Chloride - 31.8 Fluoride - <1.2 Nitrate as N - <3.0 Sulfate - 23.0	Arsenic - 3.1 Barium - 43.9 Cadmium - <0.59 Lead - 5.5 Chromium - 16.9 Selenium - 0.96 Silver - <1.2 Mercury - 0.82
B-8 @ 1.0'	<0.0057	<0.0057	<0.0057	<0.0057	<5.7	<11	Chloride - 11.9 Fluoride - 1.2 Nitrate as N - <2.8 Sulfate - 12.2	Arsenic - 1.5 Barium - 15.2 Cadmium - <0.57 Lead - 2.6 Chromium - 126 Selenium - 0.55 Silver - <1.1 Mercury - <0.11
B-9 @ 10'	<0.0052	<0.0052	<0.0052	<0.0052	<5.2	<10	Chloride - 38 Fluoride - 2.7 Nitrate as N - 46.6 Sulfate - 363	Arsenic - 1.8 Barium - 99.6 Cadmium - <0.52 Lead - 4.7 Chromium - 46.6 Selenium - <1.3 Silver - <1.0 Mercury - <0.10

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
GRO, DRO, BTEX, COMMON IONS, and RCRA METALS
 Soil Samples B-1 through B-10 and Surface Composite Sample Collected on September 28, 2000

Sample ID	Benzene mg/kg	Toluene mg/kg	Ethyl- benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Major Cations and Anions mg/kg	RCRA Metals mg/kg
B-10 @ 5'	<0.0051	<0.0051	<0.0051	<0.0051	<5.1	<10	Chloride - <5.1 Fluoride - <1.0 Nitrate as N - <2.5 Sulfate - 7.6	Arsenic - 1.6 Barium - 11.5 Cadmium - <0.51 Lead - 1.6 Chromium - 2.2 Selenium - <0.25 Silver - <1.0 Mercury - <0.10
Surface Composite Sample	<0.0053	<0.0053	<0.0053	<0.0053	<5.3	47	Chloride - <5.3 Fluoride - <1.1 Nitrate as N - <2.6 Sulfate - <5.3	Arsenic - 1.2 Barium - 38.9 Cadmium - <0.53 Lead - 3.4 Chromium - 31.6 Selenium - <0.26 Silver - <1.1 Mercury - 0.15

Results listed in mg/kg (parts per million; ppm).
 Analyses conducted at STL, Inc. in Tampa, Florida.

FIGURES



WELL#	NORTHING	EASTING	ELEVATION
B-1A	659763.367	713545.441	4002.967
B-2A	659752.503	713621.402	4004.561
B-3A	659724.278	713621.699	4004.412
B-4A	659715.656	713578.889	4003.943
B-5A	659709.863	713553.528	4003.602
B-6A	659694.070	713615.670	4004.173
B-7A	659771.206	713646.763	4004.828
B-8A	659741.554	713646.289	4004.857
B-9A	659915.441	713894.833	4002.240
B-10A	659727.838	713707.809	4004.591
B-11A	659756.280	713710.384	4005.720
B-12A	659710.747	713735.448	4003.454
B-1B	49782.606	47313.025	4002.82
B-2B	49761.147	47292.639	4002.70
B-3B	49727.787	47284.143	4001.96
B-4B	49708.880	47225.969	4001.63
B-5B	49624.685	47218.469	4002.94
B-6B	49630.473	47298.609	4001.88
B-7B	49626.470	47342.538	4001.14
B-8B	49670.466	47361.938	4001.74
B-9B/MW-1	49657.190	47440.132	4003.83
B-10B	49788.144	47422.612	4004.73
MW-2	49900.022	46891.800	4002.90
MW-3	49743.434	46944.954	3999.90

WELL#	WATER LEVEL 9-29-00	ELEVATION	WATER LEVEL ELEVATION
MW-1	77.96'	4002.24'	3924.28'
MW-2	78.32'	4002.90'	3926.58'
MW-3	76.94'	3999.90'	3922.96'

FIGURE 1--SITE MAP

CONOCO GAS PLANT
MALJAMAR, NEW MEXICO

DRAWING BY: JD
CHECKED BY: CY
DATE: 11/23/00
SCALE: 1" = 60'

PROJECT NO. 2007202
FILE NAME: 2007202A.dwg
MAXIM TECHNOLOGIES INC

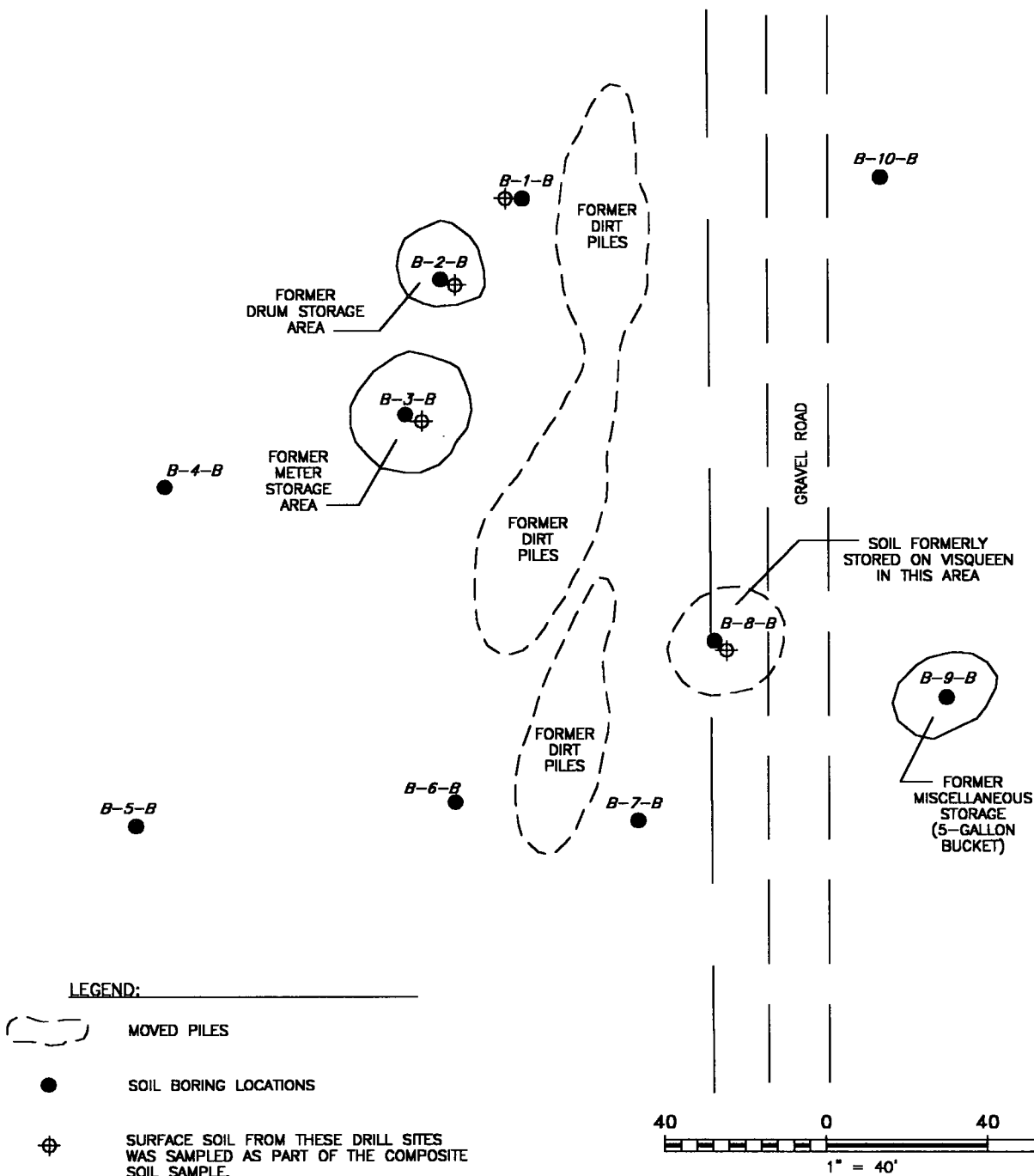


FIGURE 2—SOUTH STORAGE AREA SOIL ASSESSMENT

CONOCO GAS PLANT
MALJAMAR, NEW MEXICO

MAXIM
TECHNOLOGIES INC

PROJECT NO. 2007202

DRAWING BY: JJD

DATE: 11/23/00

SCALE:

FILE NAME: 2007202.DWG

CHECKED BY: CY

DATE: 11/23/00

1" = 40'

ATTACHMENT A

SOIL BORING LOG





BORING/WELL #: B-1
 PROJECT NO.: 2007207
 LOCATION: MALJAMAR, NEW MEXICO
 TOTAL DEPTH: 20.0'
 SURFACE ELEV.:
 SCREEN: DIA: LENGTH: SIZE:
 CASING: DIA: LENGTH: TYPE:
 DRILLING METHOD(S):




CLIENT: CONOCO, INC.
 PROJECT: MALJAMAR GAS PLANT
 WATER LEVEL: INITIAL: N/A 24 HOURS: N/A
 BORE HOLE DIAMETER:
 DRILLING COMPANY: HARRISON & COOPER
 DATE DRILLED: 9/28/00
 DRILLER:
 OVERSIGHT: TANGEN




DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
	SAND, brown, dry	0.0'-2.0'	0.0'-0.5'	C	0.4			
			0.5'-2.0'	C	0.4			
	SAND, brown, moist	2.0'-18.0'	2.0'-5.0'	C	0.5			
5								5
10								10
			13.0'		0.8			
15			13.0-15.0'	SS	0.4			15
	CALICHE, white	18.0-20.0'	18.0-20.0'	SS	0.5			20
20	Boring terminated at 20.0'							20
25								25
30								30
35								35

SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE
 RC - ROCK CORE
 CT - 5 FT CONTINUOUS SAMPLER
 NR - NO READINGS TAKEN

HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGERS
 MD - MUD DRILLING
 AD - AIR DRILLING
 C - CUTTINGS

WATER LEVEL
 AT COMPLETION
 AFTER HOURS
 SOIL SAMPLE
 SUBMITTED TO LAB

 BOTTOM CAP
 SAND PACK
 BENTONITE SEAL

 FACTORY - SLOTTED
 WELL SCREEN
 WELL CASING
 BENTONITE/CEMENT
 GROUT SEAL

SOIL BORING LOG



BORING/WELL #: B-2
 PROJECT NO.: 2007207
 LOCATION: MALJAMAR, NEW MEXICO
 TOTAL DEPTH: 20.0'
 SURFACE ELEV:
 SCREEN: DIA: LENGTH: SIZE:
 CASING: DIA: LENGTH: TYPE:
 DRILLING METHOD(S):

CLIENT: CONOCO, INC.
 PROJECT: MALJAMAR GAS PLANT
 WATER LEVEL: INITIAL: N/A 24 HOURS: N/A
 BORE HOLE DIAMETER:
 DRILLING COMPANY: HARRISON & COOPER
 DATE DRILLED: 9/28/00
 DRILLER:
 OVERSIGHT: TANGEN




DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
	SAND, dry	0.0'-2.0'	0.0'-2.0'	C	0.0			
	SAND, brown, dry	2.0'-8.0'	5.0'	C	0.8			5
5								
	SAND, brown, moist	8.0'-13.0'	8.0'-10.0'	C	0.8			10
10								
	SAND, brown, moist	13.0'-15.0'	13.0'-15.0'	SS	0.9			15
15								
	SAND, brown, dry	15.0'-20.0'	18.0'-20.0'	SS	0.6			20
20	Boring terminated at 20.0'							20
25								25
30								30
35								35

SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE
 RC - ROCK CORE
 CT - 5 FT CONTINUOUS SAMPLER
 NR - NO READINGS TAKEN

HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGERS
 MD - MUD DRILLING
 AD - AIR DRILLING
 C - CUTTINGS

WATER LEVEL
 AT COMPLETION
 AFTER HOURS
 SOIL SAMPLE
 SUBMITTED TO LAB

 BOTTOM CAP
 SAND PACK
 BENTONITE SEAL

 FACTORY - SLOTTED
 WELL SCREEN
 WELL CASING
 BENTONITE/CEMENT
 GROUT SEAL

SOIL BORING LOG



BORING/WELL #: B-3
 PROJECT NO.: 2007207
 LOCATION: MALJAMAR, NEW MEXICO
 TOTAL DEPTH: 30.0'
 SURFACE ELEV:
 SCREEN: DIA: LENGTH: SIZE:
 CASING: DIA: LENGTH: TYPE:
 DRILLING METHOD(S):

CLIENT: CONOCO, INC.
 PROJECT: MALJAMAR GAS PLANT
 WATER LEVEL: INITIAL: N/A 24 HOURS: N/A
 BORE HOLE DIAMETER:
 DRILLING COMPANY: HARRISON & COOPER
 DATE DRILLED: 9/28/00
 DRILLER:
 OVERSIGHT: TANGEN




DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
5	SAND, tan, dry	0.0'-15.0'	0.0'-5.0'	C	1.1			5
10			8.0'-10.0'	SS	7.9			10
15	SAND with rock fragments, dry	15.0-20.0'	15.0'	C	3.4			15
20	SAND with rock fragments, moist	20.0-25.0'	20.0'	C	5.6			20
25	SAND with rock fragments, brown, moist	25.0-30.0'	25.0'	C	0.6			25
30	Boring terminated at 30.0'		30.0'	C	0.5			30
35								35

SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE
 RC - ROCK CORE
 CT - 5 FT CONTINUOUS SAMPLER
 NR - NO READINGS TAKEN

HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGERS
 MD - MUD DRILLING
 AD - AIR DRILLING
 C - CUTTINGS

WATER LEVEL
 AT COMPLETION
 AFTER HOURS
 SOIL SAMPLE
 SUBMITTED TO LAB

 BOTTOM CAP
 SAND PACK
 BENTONITE SEAL

 FACTORY - SLOTTED
 WELL SCREEN
 WELL CASING
 BENTONITE/CEMENT
 GROUT SEAL

SOIL BORING LOG




BORING/WELL #: B-4
 PROJECT NO.: 2007207
 LOCATION: MALJAMAR, NEW MEXICO
 TOTAL DEPTH: 20.0'
 SURFACE ELEV.:
 SCREEN: DIA: LENGTH: SIZE:
 CASING: DIA: LENGTH: TYPE:
 DRILLING METHOD(S):

CLIENT: CONOCO, INC.
 PROJECT: MALJAMAR GAS PLANT
 WATER LEVEL: INITIAL: N/A 24 HOURS: N/A
 BORE HOLE DIAMETER:
 DRILLING COMPANY: HARRISON & COOPER
 DATE DRILLED: 9/28/00
 DRILLER:
 OVERSIGHT: TANGEN




DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVN or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
5	SAND	0.0'-5.0'	0.0'-5.0'	C	0.9			5
10	SAND, tan, dry	5.0'-10.0'	5.0'-10.0'	C	1.3			10
15	SAND with gravel fragments, tan, dry	10.0'-20.0'	10.0'-15.0'	C	0.7			15
20			15.0'-20.0'	C	0.6			20
25	Boring terminated at 20.0'							25
30								30
35								35

SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE
 RC - ROCK CORE
 CT - 5 FT CONTINUOUS SAMPLER
 NR - NO READINGS TAKEN

HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGERS
 MD - MUD DRILLING
 AD - AIR DRILLING
 C - CUTTINGS

WATER LEVEL
 AT COMPLETION
 AFTER HOURS
 SOIL SAMPLE
 SUBMITTED TO LAB




 BOTTOM CAP
 SAND PACK
 BENTONITE SEAL

 FACTORY - SLOTTED
 WELL SCREEN
 WELL CASING
 BENTONITE/CEMENT
 GROUT SEAL

SOIL BORING LOG





BORING/WELL #: B-5
 PROJECT NO.: 2007207
 LOCATION: MALJAMAR, NEW MEXICO
 TOTAL DEPTH: 15.0'
 SURFACE ELEV:
 SCREEN: DIA: LENGTH: SIZE:
 CASING: DIA: LENGTH: TYPE:
 DRILLING METHOD(S):




CLIENT: CONOCO, INC.
 PROJECT: MALJAMAR GAS PLANT
 WATER LEVEL: INITIAL: N/A 24 HOURS: N/A
 BORE HOLE DIAMETER:
 DRILLING COMPANY: HARRISON & COOPER
 DATE DRILLED: 9/28/00
 DRILLER:
 OVERSIGHT: TANGEN




DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
5	SANDY SOIL, brown, dry	0.0'-5.0'	0.0'-5.0'	C	2.1			5
10	SAND, brown, dry	5.0'-10.0'	5.0'-10.0'	C	1.1			10
15	SAND and CALICHE, brown	10.0'-15.0'	15.0'	C	0.7			15
15	Boring terminated at 15.0'							15
20								20
25								25
30								30
35								35

SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE
 RC - ROCK CORE
 CT - 5 FT CONTINUOUS SAMPLER
 NR - NO READINGS TAKEN

HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGERS
 MD - MUD DRILLING
 AD - AIR DRILLING
 C - CUTTINGS

WATER LEVEL
 AT COMPLETION
 AFTER HOURS
 SOIL SAMPLE
 SUBMITTED TO LAB

 BOTTOM CAP
 SAND PACK
 BENTONITE SEAL

 FACTORY - SLOTTED
 WELL SCREEN
 WELL CASING
 BENTONITE/CEMENT
 GROUT SEAL

SOIL BORING LOG




BORING/WELL #: B-6
 PROJECT NO.: 2007207
 LOCATION: MALJAMAR, NEW MEXICO
 TOTAL DEPTH: 30.0'
 SURFACE ELEV:
 SCREEN: DIA: LENGTH: SIZE:
 CASING: DIA: LENGTH: TYPE:
 DRILLING METHOD(S):




CLIENT: CONOCO, INC.
 PROJECT: MALJAMAR GAS PLANT
 WATER LEVEL: INITIAL: N/A 24 HOURS: N/A
 BORE HOLE DIAMETER:
 DRILLING COMPANY: HARRISON & COOPER
 DATE DRILLED: 9/28/00
 DRILLER:
 OVERSIGHT: TANGEN




DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVN or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
0	SOIL, dark brown, moist, odor	0.0'-11.0'						0
5			0.0'-5.0'	C	4.0			5
10	-oily black soil		5.0'-7.0'	SS	827.6			10
15								15
	CALICHE, tan, moist, odor	11.0-12.0'	10.0-12.0'	SS	193.6			
	SILTY CALICHE, tan, moist, odor	12.0-18.0'						
20			15.0-17.0'	SS	26.0			20
25								25
	SAND, tan, moist	18.0-30.0'	18.0-20.0'	SS	11.3			
30			25.0'	C	6.1			30
			30.0'	C	1.8			
35	Boring terminated at 30.0'							35

SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE
 RC - ROCK CORE
 CT - 5 FT CONTINUOUS SAMPLER
 NR - NO READINGS TAKEN

HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGERS
 MD - MUD DRILLING
 AD - AIR DRILLING
 C - CUTTINGS

WATER LEVEL
 AT COMPLETION
 AFTER HOURS
 SOIL SAMPLE
 SUBMITTED TO LAB

 BOTTOM CAP
 SAND PACK
 BENTONITE SEAL

 FACTORY - SLOTTED
 WELL SCREEN
 WELL CASING
 BENTONITE/CEMENT
 GROUT SEAL

SOIL BORING LOG




BORING/WELL #: B-7
 PROJECT NO.: 2007207
 LOCATION: MALJAMAR, NEW MEXICO
 TOTAL DEPTH: 30.0'
 SURFACE ELEV:
 SCREEN: DIA: LENGTH: SIZE:
 CASING: DIA: LENGTH: TYPE:
 DRILLING METHOD(S):

CLIENT: CONOCO, INC.
 PROJECT: MALJAMAR GAS PLANT
 WATER LEVEL: INITIAL: N/A 24 HOURS: N/A
 BORE HOLE DIAMETER:
 DRILLING COMPANY: HARRISON & COOPER
 DATE DRILLED: 9/28/00
 DRILLER:
 OVERSIGHT: TANGEN




DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
0	SOIL, dark brown, moist	0.0'-15.5'						0
5	-black stained soil from 3.0'-15.5'		0.0'-3.0'	C	32.5			5
10			5.0'-7.0'	SS	977.2			10
15			10.0'-12.0'	SS	313.4			15
20	CLAYEY SAND, tan, moist, odor	15.5-20.0'	15.0-17.0'	SS	140.1			20
25	SILTY SAND, dark brown, moist	20.0-22.0'	20.0-22.0'	SS	78.5			25
	SAND, brown, moist	22.0-25.0'	25.0'	C	15.8			
30	SAND, brown, moist, no odor	25.0-30.0'	30.0'	C	3.3			30
35	Boring terminated at 30.0'							35

SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE
 RC - ROCK CORE
 CT - 5 FT CONTINUOUS SAMPLER
 NR - NO READINGS TAKEN

HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGERS
 MD - MUD DRILLING
 AD - AIR DRILLING
 C - CUTTINGS

WATER LEVEL
 AT COMPLETION
 AFTER HOURS
 SOIL SAMPLE
 SUBMITTED TO LAB

 BOTTOM CAP
 SAND PACK
 BENTONITE SEAL

 FACTORY - SLOTTED
 WELL SCREEN
 WELL CASING
 BENTONITE/CEMENT
 GROUT SEAL

SOIL BORING LOG




BORING/WELL #: B-8
 PROJECT NO.: 2007207
 LOCATION: MALJAMAR, NEW MEXICO
 TOTAL DEPTH: 17.0'
 SURFACE ELEV:
 SCREEN: DIA: LENGTH: SIZE:
 CASING: DIA: LENGTH: TYPE:
 DRILLING METHOD(S):

CLIENT: CONOCO, INC.
 PROJECT: MALJAMAR GAS PLANT
 WATER LEVEL: INITIAL: N/A 24 HOURS: N/A
 BORE HOLE DIAMETER:
 DRILLING COMPANY: HARRISON & COOPER
 DATE DRILLED: 10/28/00
 DRILLER:
 OVERSIGHT: C. YANCEY




DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
	SILTY SAND, tan, no odor	0.0'-5.0'	0.0'-2.0'	C	1.2			
5	SILTY SAND, orange, fine-grained, no odor	5.0'-10.0'	5.0'-7.0'	SS	0.8			5
10	SILTY SAND, tan, fine-grained, some caliche	10.0-15.0'	10.0-12.0'	SS	1.0			10
15	SILTY SAND, tan, fine-grained	15.0-17.0'	15.0-17.0'	SS	1.1			15
	Boring terminated at 17.0'							
20								20
25								25
30								30
35								35

SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE
 RC - ROCK CORE
 CT - 5 FT CONTINUOUS SAMPLER
 NR - NO READINGS TAKEN

HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGERS
 MD - MUD DRILLING
 AD - AIR DRILLING
 C - CUTTINGS

WATER LEVEL
 AT COMPLETION
 AFTER HOURS
 SOIL SAMPLE
 SUBMITTED TO LAB

 BOTTOM CAP
 SAND PACK
 BENTONITE SEAL

 FACTORY - SLOTTED
 WELL SCREEN
 WELL CASING
 BENTONITE/CEMENT
 GROUT SEAL

SOIL BORING LOG




BORING/WELL #: B-9
 PROJECT NO.: 2007207
 LOCATION: MALJAMAR, NEW MEXICO
 TOTAL DEPTH: 17.0'
 SURFACE ELEV:
 SCREEN: DIA: LENGTH: SIZE:
 CASING: DIA: LENGTH: TYPE:
 DRILLING METHOD(S):

CLIENT: CONOCO, INC.
 PROJECT: MALJAMAR GAS PLANT
 WATER LEVEL: INITIAL: N/A 24 HOURS: N/A
 BORE HOLE DIAMETER:
 DRILLING COMPANY: HARRISON & COOPER
 DATE DRILLED: 10/28/00
 DRILLER:
 OVERSIGHT: C. YANCEY




DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
5	SANDY SILT, light tan, loose	0.0'-5.0'						5
10	SANDY SILT with some gravel fragments, light tan, caliche	5.0'-10.0'	5.0'-7.0'	SS	2.8			10
15	SANDY SILT with caliche fragments, light tan	10.0-17.0'	10.0-12.0'	SS	3.0			15
			15.0-17.0'	SS	0.7			
20	Boring terminated at 17.0'							20
25								25
30								30
35								35

SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE
 RC - ROCK CORE
 CT - 5 FT CONTINUOUS SAMPLER
 NR - NO READINGS TAKEN

HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGERS
 MD - MUD DRILLING
 AD - AIR DRILLING
 C - CUTTINGS

WATER LEVEL
 AT COMPLETION
 AFTER HOURS
 SOIL SAMPLE
 SUBMITTED TO LAB

 BOTTOM CAP
 SAND PACK
 BENTONITE SEAL

 FACTORY - SLOTTED
 WELL SCREEN
 WELL CASING
 BENTONITE/CEMENT
 GROUT SEAL

SOIL BORING LOG




BORING/WELL #: B-10
 PROJECT NO.: 2007207
 LOCATION: MALJAMAR, NEW MEXICO
 TOTAL DEPTH: 17.0'
 SURFACE ELEV:
 SCREEN: DIA: LENGTH: SIZE:
 CASING: DIA: LENGTH: TYPE:
 DRILLING METHOD(S):



CLIENT: CONOCO, INC.
 PROJECT: MALJAMAR GAS PLANT
 WATER LEVEL: INITIAL: N/A 24 HOURS: N/A
 BORE HOLE DIAMETER:
 DRILLING COMPANY: HARRISON & COOPER
 DATE DRILLED: 10/28/00
 DRILLER:
 OVERSIGHT: C. YANCEY




DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
5	SAND with intermixed silt, orange, no odor	0.0'-5.0'						5
10	SILTY SAND, tan to orange, no odor	5.0'-10.0'	5.0'-7.0'	SS	0.7			10
15	SILTY SAND, tan, orange	10.0-17.0'	10.0-12.0'	SS	0.3			15
			15.0-17.0'	SS	0.1			
20	Boring terminated at 17.0'							20
25								25
30								30
35								35

SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE
 RC - ROCK CORE
 CT - 5 FT CONTINUOUS SAMPLER
 NR - NO READINGS TAKEN

HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGERS
 MD - MUD DRILLING
 AD - AIR DRILLING
 C - CUTTINGS

WATER LEVEL
 AT COMPLETION
 AFTER HOURS
 SOIL SAMPLE
 SUBMITTED TO LAB

 BOTTOM CAP
 SAND PACK
 BENTONITE SEAL

 FACTORY - SLOTTED
 WELL SCREEN
 WELL CASING
 BENTONITE/CEMENT
 GROUT SEAL

ATTACHMENT B

**SEVERN
TRENT
SERVICES**

STL Tampa East
5910 Breckenridge Parkway
Suite H
Tampa, FL 33610-4236

Tel: 813 621 0784
Fax: 813 623 6021
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. NG00001

Maljamar Gas Plant

Lot #: B0I300119

Clyde L. Yancey

Maxim Technologies

SEVERN TRENT LABORATORIES, INC.

Florida Department of Health Certification No. E84059
Florida Department of Environmental Protection CompQAP 200029



Nancy Robertson
Project Manager

October 13, 2000

METHODS SUMMARY

B0I300119

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH Non-Aqueous	SW846 9045A	SW846 9045A
Chloride	MCAWW 300.0A	MCAWW 300.0A
Extractable Petroleum Hydrocarbons	SW846 8015B	
Fluoride (Potentiometric, Ion Selective Electrode)	MCAWW 340.2	MCAWW 340.2
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Total Residue as Percent Solids	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Volatile Organics by GC/MS	SW846 8260B	SW846 5035
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.

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

SAMPLE SUMMARY

B0I300119

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DLCMW	001	B1	09/28/00	09:15
DLCN0	002	B2	09/28/00	10:53
DLCN1	003	B3	09/28/00	11:30
DLCN2	004	B4	09/28/00	13:20
DLCN3	005	B5	09/28/00	14:50
DLCN4	006	B6	09/28/00	14:45
DLCN6	007	SOIL COMP	09/28/00	
DLCN7	008	B7	09/28/00	15:50
DLCN8	009	B8	09/28/00	15:10
DLCN9	010	B9	09/28/00	15:00
DLCNA	011	B10	09/28/00	14:40
DLCNC	012	B-3-2	09/29/00	09:00
DLCND	013	B-3-1	09/29/00	11:30
DLCNE	014	B-3-5	09/29/00	11:30

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.

CONOCO

Client Sample ID: B1

GC/MS Volatiles

Lot-Sample #....: B0I300119-001 Work Order #....: DLCMW101 Matrix.....: SOLID
 Date Sampled....: 09/28/00 Date Received...: 09/30/00
 Prep Date.....: 10/11/00 Analysis Date...: 10/11/00
 Prep Batch #....: 0286175
 Dilution Factor: 1 Initial Wgt/Vol: 5.59 g Final Wgt/Vol...: 5 mL
 % Moisture.....: 5.5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Xylenes (total)	ND	5.3	ug/kg
Benzene	ND	5.3	ug/kg
Ethylbenzene	ND	5.3	ug/kg
Toluene	ND	5.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	83	(28 - 159)
1,2-Dichloroethane-d4	102	(51 - 168)
Toluene-d8	113	(66 - 152)
Dibromofluoromethane	103	(73 - 151)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B1

GC Volatiles

Lot-Sample #....: B0I300119-001	Work Order #....: DLCMW103	Matrix.....: SOLID
Date Sampled....: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 09/30/00	Analysis Date...: 10/06/00	
Prep Batch #....: 0280279		
Dilution Factor: 1	Initial Wgt/Vol: 5.28 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 5.5	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	5.3	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene	97	(39 - 163)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B1

GC Semivolatiles

Lot-Sample #....: B0I300119-001 Work Order #....: DLCMW102 Matrix.....: SOLID
 Date Sampled....: 09/28/00 Date Received...: 09/30/00
 Prep Date.....: 10/02/00 Analysis Date...: 10/06/00
 Prep Batch #....: 0276444
 Dilution Factor: 1 Initial Wgt/Vol: 30.4 g Final Wgt/Vol...: 1 mL
 % Moisture.....: 5.5 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND		11	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetratriacontane	73	(25 - 113)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B1

TOTAL Metals

Lot-Sample #...: B0I300119-001

Matrix.....: SOLID

Date Sampled...: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 5.5.

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285375						
Mercury	ND	0.11	mg/kg	SW846 7471A	10/11/00	DLCMW10C
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Prep Batch #...: 0285418						
Arsenic	2.4	0.26	mg/kg	SW846 6010B	10/11-10/12/00	DLCMW104
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Selenium	ND	1.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCMW106
		Dilution Factor: 5		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Lead	4.1	1.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCMW105
		Dilution Factor: 5		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Barium	122	5.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCMW107
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Cadmium	ND	0.53	mg/kg	SW846 6010B	10/11-10/12/00	DLCMW108
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Chromium	5.4	5.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCMW109
		Dilution Factor: 5		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Silver	ND	1.1	mg/kg	SW846 6010B	10/11-10/12/00	DLCMW10A
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B1

General Chemistry

Lot-Sample #....: B0I300119-001

Work Order #....: DLCLMW

Matrix.....: SOLID

Date Sampled....: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 5.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	9.0	0.10	No Units	SW846 9045A	09/30/00	0276317
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Chloride	ND	5.3	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	1.6	1.1	mg/kg	MCAWW 340.2	10/06/00	0283107
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	2.6	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	94.5	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Sulfate	14.8	5.3	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B2

GC/MS Volatiles

Lot-Sample #....: B0I300119-002 Work Order #....: DLCN0101 Matrix.....: SOLID
 Date Sampled....: 09/28/00 Date Received...: 09/30/00
 Prep Date.....: 10/11/00 Analysis Date...: 10/11/00
 Prep Batch #....: 0286175
 Dilution Factor: 1 Initial Wgt/Vol: 6.02 g Final Wgt/Vol...: 5 mL
 % Moisture.....: 13 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.8	ug/kg
Ethylbenzene	ND	5.8	ug/kg
Toluene	ND	5.8	ug/kg
Xylenes (total)	ND	5.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	83	(28 - 159)
1,2-Dichloroethane-d4	102	(51 - 168)
Toluene-d8	115	(66 - 152)
Dibromofluoromethane	103	(73 - 151)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B2

GC Volatiles

Lot-Sample #....: B0I300119-002	Work Order #....: DLCN0103	Matrix.....: SOLID
Date Sampled....: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 09/30/00	Analysis Date...: 10/06/00	
Prep Batch #....: 0280279		
Dilution Factor: 1	Initial Wgt/Vol: 5.16 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 13	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	5.8	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene	93	(39 - 163)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B2

GC Semivolatiles

Lot-Sample #....: B0I300119-002	Work Order #....: DLCN0102	Matrix.....: SOLID
Date Sampled....: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 10/02/00	Analysis Date...: 10/06/00	
Prep Batch #....: 0276444		
Dilution Factor: 1	Initial Wgt/Vol: 29.92 g	Final Wgt/Vol...: 1 mL
% Moisture.....: 13	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Diesel Range Organics	ND	12	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
<u>RECOVERY</u>	<u>LIMITS</u>	
Tetratriacontane	76	(25 - 113)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B2

TOTAL Metals

Lot-Sample #....: B0I300119-002

Date Sampled....: 09/28/00

% Moisture.....: 13

Date Received...: 09/30/00

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 0285375						
Mercury	ND	0.12	mg/kg	SW846 7471A	10/11/00	DLCN010C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #....: 0285418						
Arsenic	1.2	0.29	mg/kg	SW846 6010B	10/11-10/12/00	DLCN0104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	2.5	0.58	mg/kg	SW846 6010B	10/11-10/12/00	DLCN0105
		Dilution Factor: 2		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	ND	0.58	mg/kg	SW846 6010B	10/11-10/12/00	DLCN0106
		Dilution Factor: 2		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	81.2	5.8	mg/kg	SW846 6010B	10/11-10/12/00	DLCN0107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.58	mg/kg	SW846 6010B	10/11-10/12/00	DLCN0108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	ND	2.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCN0109
		Dilution Factor: 2		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN010A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B2

General Chemistry

Lot-Sample #....: B0I300119-002

Work Order #....: DLCN0

Matrix.....: SOLID

Date Sampled....: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	9.1	0.10	No Units	SW846 9045A	09/30/00	0276317
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	ND	5.8	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	1.9	1.2	mg/kg	MCAWW 340.2	10/06/00	0283107
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	2.9	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	86.8	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	9.5	5.8	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B3

GC/MS Volatiles

Lot-Sample #....: B0I300119-003	Work Order #....: DLCN1101	Matrix.....: SOLID
Date Sampled....: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 10/11/00	Analysis Date...: 10/11/00	
Prep Batch #....: 0286175		
Dilution Factor: 1	Initial Wgt/Vol: 6.22 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 17	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Xylenes (total)	ND	6.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	79	(28 - 159)
1,2-Dichloroethane-d4	102	(51 - 168)
Toluene-d8	114	(66 - 152)
Dibromofluoromethane	104	(73 - 151)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B3

GC Volatiles

Lot-Sample #...: B0I300119-003	Work Order #...: DLCN1103	Matrix.....: SOLID
Date Sampled...: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 09/30/00	Analysis Date...: 10/06/00	
Prep Batch #...: 0280279		
Dilution Factor: 1	Initial Wgt/Vol: 5.29 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 17	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Gasoline Range Organics	ND	6.0	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
<u>RECOVERY</u>	<u>LIMITS</u>	
4-Bromofluorobenzene	99	(39 - 163)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B3

GC Semivolatiles

Lot-Sample #....: B0I300119-003	Work Order #....: DLCN1102	Matrix.....: SOLID
Date Sampled....: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 10/02/00	Analysis Date...: 10/06/00	
Prep Batch #....: 0276444		
Dilution Factor: 1	Initial Wgt/Vol: 29.57 g	Final Wgt/Vol...: 1 mL
% Moisture.....: 17	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	12	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Tetratriacontane	82	(25 - 113)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B3

TOTAL Metals

Lot-Sample #...: B0I300119-003

Date Sampled...: 09/28/00

% Moisture.....: 17

Date Received...: 09/30/00

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285375						
Mercury	ND	0.12	mg/kg	SW846 7471A	10/11/00	DLCN110C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #...: 0285418						
Arsenic	1.6	0.30	mg/kg	SW846 6010B	10/11-10/12/00	DLCN1104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	4.2	1.5	mg/kg	SW846 6010B	10/11-10/12/00	DLCN1105
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	ND	1.5	mg/kg	SW846 6010B	10/11-10/12/00	DLCN1106
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	67.6	6.0	mg/kg	SW846 6010B	10/11-10/12/00	DLCN1107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.60	mg/kg	SW846 6010B	10/11-10/12/00	DLCN1108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	ND	6.0	mg/kg	SW846 6010B	10/11-10/12/00	DLCN1109
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN110A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B3

General Chemistry

Lot-Sample #...: B0I300119-003

Work Order #...: DLCN1

Matrix.....: SOLID

Date Sampled...: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.9	0.10	No Units	SW846 9045A	09/30/00	0276317
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	ND	6.0	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	3.4	1.2	mg/kg	MCAWW 340.2	10/06/00	0283107
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	3.0	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	83.0	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	ND	6.0	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B4

GC/MS Volatiles

Lot-Sample #....: B0I300119-004 Work Order #....: DLCN2101 Matrix.....: SOLID
Date Sampled....: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 10/11/00 Analysis Date...: 10/11/00
Prep Batch #....: 0286175
Dilution Factor: 1 Initial Wgt/Vol: 6.68 g Final Wgt/Vol...: 5 mL
% Moisture.....: 19 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Xylenes (total)	ND	6.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	83	(28 - 159)
1,2-Dichloroethane-d4	108	(51 - 168)
Toluene-d8	111	(66 - 152)
Dibromofluoromethane	106	(73 - 151)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B4

GC Volatiles

Lot-Sample #....: B0I300119-004	Work Order #....: DLCN2103	Matrix.....: SOLID
Date Sampled....: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 09/30/00	Analysis Date...: 10/06/00	
Prep Batch #....: 0280279		
Dilution Factor: 1	Initial Wgt/Vol: 5.09 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 19	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	6.1		mg/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
4-Bromofluorobenzene	95	(39 - 163)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B4

GC Semivolatiles

Lot-Sample #....: B0I300119-004	Work Order #....: DLCN2102	Matrix.....: SOLID
Date Sampled...: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 10/02/00	Analysis Date...: 10/06/00	
Prep Batch #....: 0276444		
Dilution Factor: 1	Initial Wgt/Vol: 29.42 g	Final Wgt/Vol...: 1 mL
% Moisture.....: 19	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND		12	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetratriacontane	70	(25 - 113)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B4

TOTAL Metals

Lot-Sample #...: B0I300119-004

Date Sampled...: 09/28/00

% Moisture.....: 19

Date Received...: 09/30/00

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285375						
Mercury	ND	0.12	mg/kg	SW846 7471A	10/11/00	DLCN210C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #...: 0285418						
Arsenic	1.6	0.31	mg/kg	SW846 6010B	10/11-10/12/00	DLCN2104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	3.5	1.5	mg/kg	SW846 6010B	10/11-10/12/00	DLCN2105
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	ND	1.5	mg/kg	SW846 6010B	10/11-10/12/00	DLCN2106
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	50.9	6.1	mg/kg	SW846 6010B	10/11-10/12/00	DLCN2107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.61	mg/kg	SW846 6010B	10/11-10/12/00	DLCN2108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	11.2	6.1	mg/kg	SW846 6010B	10/11-10/12/00	DLCN2109
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN210A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B4

General Chemistry

Lot-Sample #....: B0I300119-004

Work Order #....: DLCN2

Matrix.....: SOLID

Date Sampled...: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.9	0.10	No Units	SW846 9045A	09/30/00	0276317
			Dilution Factor: 1	Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	ND	6.1	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	6.1	1.2	mg/kg	MCAWW 340.2	10/06/00	0283107
			Dilution Factor: 1	Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	3.1	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	81.3	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
			Dilution Factor: 1	Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	12.3	6.1	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B5

GC/MS Volatiles

Lot-Sample #....: B0I300119-005

Work Order #....: DLCN3101

Matrix.....: SOLID

Date Sampled....: 09/28/00

Date Received...: 09/30/00

Prep Date.....: 10/11/00

Analysis Date...: 10/11/00

Prep Batch #....: 0286175

Dilution Factor: 1

Initial Wgt/Vol: 6.28 g

Final Wgt/Vol...: 5 mL

% Moisture.....: 16

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.9	ug/kg
Ethylbenzene	ND	5.9	ug/kg
Toluene	ND	5.9	ug/kg
Xylenes (total)	ND	5.9	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	71	(28 - 159)
1,2-Dichloroethane-d4	120	(51 - 168)
Toluene-d8	123	(66 - 152)
Dibromofluoromethane	117	(73 - 151)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B5

GC Volatiles

Lot-Sample #....: B0I300119-005 Work Order #....: DLCN3103 Matrix.....: SOLID
Date Sampled....: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 09/30/00 Analysis Date...: 10/06/00
Prep Batch #....: 0280279
Dilution Factor: 1 Initial Wgt/Vol: 5.55 g Final Wgt/Vol...: 5 mL
% Moisture.....: 16 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	5.9	mg/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene	93	(39 - 163)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B5

GC Semivolatiles

Lot-Sample #....: B01300119-005 Work Order #....: DLCN3102 Matrix.....: SOLID
Date Sampled....: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 10/02/00 Analysis Date...: 10/06/00
Prep Batch #....: 0276444
Dilution Factor: 1 Initial Wgt/Vol: 29.85 g Final Wgt/Vol...: 1 mL
% Moisture.....: 16 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	74	12	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Tetratriacontane	65	(25 - 113)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B5

TOTAL Metals

Lot-Sample #...: B0I300119-005

Date Sampled...: 09/28/00

% Moisture.....: 16

Date Received...: 09/30/00

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285375						
Mercury	ND	0.12	mg/kg	SW846 7471A	10/11/00	DLCN310C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #...: 0285418						
Arsenic	1.4	0.30	mg/kg	SW846 6010B	10/11-10/12/00	DLCN3104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	2.7	0.30	mg/kg	SW846 6010B	10/11-10/12/00	DLCN3105
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	0.41	0.30	mg/kg	SW846 6010B	10/11-10/12/00	DLCN3106
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	20.7	5.9	mg/kg	SW846 6010B	10/11-10/12/00	DLCN3107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.59	mg/kg	SW846 6010B	10/11-10/12/00	DLCN3108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	56.9	1.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN3109
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN310A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B5

General Chemistry

Lot-Sample #....: B0I300119-005

Work Order #....: DLCN3

Matrix.....: SOLID

Date Sampled....: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.3	0.10	No Units	SW846 9045A	09/30/00	0276317
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	7.1	5.9	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	2.0	1.2	mg/kg	MCAWW 340.2	10/06/00	0283107
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	3.0	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	84.5	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	10.9	5.9	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B6

GC/MS Volatiles

Lot-Sample #....: B0I300119-006 Work Order #....: DLCN4101 Matrix.....: SOLID
Date Sampled....: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 09/30/00 Analysis Date...: 10/11/00
Prep Batch #....: 0286314
Dilution Factor: 5 Initial Wgt/Vol: 5.09 g Final Wgt/Vol...: 5 mL
% Moisture.....: 14 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1500	ug/kg
Ethylbenzene	16000	1500	ug/kg
Toluene	ND	1500	ug/kg
Xylenes (total)	14000	1500	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	NC,SRD	(57 - 132)
Bromofluorobenzene	NC,SRD	(58 - 135)
Dibromofluoromethane	NC,SRD	(57 - 130)
Toluene-d8	NC,SRD	(61 - 133)

NOTE (S) :

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B6

GC Volatiles

Lot-Sample #....: B0I300119-006 Work Order #....: DLCN4103 Matrix.....: SOLID
Date Sampled....: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 09/30/00 Analysis Date...: 10/09/00
Prep Batch #....: 0280279
Dilution Factor: 5 Initial Wgt/Vol: 5.14 g Final Wgt/Vol...: 5 mL
% Moisture.....: 14 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	480	29	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene	NC,SRD	(39 - 163)

NOTE(S) :

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B6

GC Semivolatiles

Lot-Sample #....: B0I300119-006 Work Order #....: DLCN4102 Matrix.....: SOLID
 Date Sampled...: 09/28/00 Date Received...: 09/30/00
 Prep Date.....: 10/02/00 Analysis Date...: 10/11/00
 Prep Batch #....: 0276444
 Dilution Factor: 10 Initial Wgt/Vol: 29.43 g Final Wgt/Vol...: 1 mL
 % Moisture.....: 14 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	2700	120	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetratriacontane	NC, SRD	(25 - 113)

NOTE(S) :

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B6

TOTAL Metals

Lot-Sample #....: B0I300119-006

Matrix.....: SOLID

Date Sampled....: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 0285375						
Mercury	0.34	0.12	mg/kg	SW846 7471A	10/11/00	DLCN410C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #....: 0285418						
Arsenic	2.7	0.29	mg/kg	SW846 6010B	10/11-10/12/00	DLCN4104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	4.8	0.29	mg/kg	SW846 6010B	10/11-10/12/00	DLCN4105
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	0.62	0.29	mg/kg	SW846 6010B	10/11-10/12/00	DLCN4106
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	43.5	5.8	mg/kg	SW846 6010B	10/11-10/12/00	DLCN4107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.58	mg/kg	SW846 6010B	10/11-10/12/00	DLCN4108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	66.6	1.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN4109
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN410A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B6

General Chemistry

Lot-Sample #...: B0I300119-006

Work Order #...: DLCN4

Matrix.....: SOLID

Date Sampled...: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP. BATCH #
pH (solid)	8.7	0.10	No Units	SW846 9045A	09/30/00	0276317
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	14.3	5.8	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	1.2	1.2	mg/kg	MCAWW 340.2	10/06/00	0283107
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	2.9	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	86.0	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	9.0	5.8	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B7

GC/MS Volatiles

Lot-Sample #...: B0I300119-008 Work Order #...: DLCN7101 Matrix.....: SOLID
Date Sampled...: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 09/30/00 Analysis Date...: 10/11/00
Prep Batch #...: 0286314
Dilution Factor: 1 Initial Wgt/Vol: 5.14 g Final Wgt/Vol...: 5 mL
% Moisture.....: 15 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	300	ug/kg
Ethylbenzene	3000	300	ug/kg
Toluene	ND	300	ug/kg
Xylenes (total)	2300	300	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(57 - 132)
Bromofluorobenzene	95	(58 - 135)
Dibromofluoromethane	106	(57 - 130)
Toluene-d8	111	(61 - 133)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B7

GC Volatiles

Lot-Sample #....: B0I300119-008 Work Order #....: DLCN7103 Matrix.....: SOLID
Date Sampled....: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 09/30/00 Analysis Date...: 10/07/00
Prep Batch #....: 0280279
Dilution Factor: 1 Initial Wgt/Vol: 6.01 g Final Wgt/Vol...: 5 mL
% Moisture.....: 15 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	170	5.9	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene	47	(39 - 163)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B7

GC Semivolatiles

Lot-Sample #...: B0I300119-008 Work Order #...: DLCN7102 Matrix.....: SOLID
Date Sampled...: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 10/02/00 Analysis Date...: 10/11/00
Prep Batch #...: 0276444
Dilution Factor: 10 Initial Wgt/Vol: 29.32 g Final Wgt/Vol...: 1 mL
% Moisture.....: 15 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	3800	120	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetratriacontane	NC, SRD	(25 - 113)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B7

TOTAL Metals

Lot-Sample #...: B0I300119-008

Date Sampled...: 09/28/00

% Moisture.....: 15

Date Received...: 09/30/00

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285375						
Mercury	0.82	0.12	mg/kg	SW846 7471A	10/11/00	DLCN710C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #...: 0285418						
Arsenic	3.1	0.30	mg/kg	SW846 6010B	10/11-10/12/00	DLCN7104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	5.5	0.30	mg/kg	SW846 6010B	10/11-10/12/00	DLCN7105
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	0.96	0.30	mg/kg	SW846 6010B	10/11-10/12/00	DLCN7106
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	43.9	5.9	mg/kg	SW846 6010B	10/11-10/12/00	DLCN7107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.59	mg/kg	SW846 6010B	10/11-10/12/00	DLCN7108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	16.9	1.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN7109
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN710A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B7

General Chemistry

Lot-Sample #....: B0I300119-008

Work Order #....: DLCN7

Matrix.....: SOLID

Date Sampled....: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.2	0.10	No Units	SW846 9045A	09/30/00	0276317
			Dilution Factor: 1	Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	31.8	5.9	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	ND	1.2	mg/kg	MCAWW 340.2	10/06/00	0283107
			Dilution Factor: 1	Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	3.0	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	84.5	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
			Dilution Factor: 1	Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	23.0	5.9	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B8

GC/MS Volatiles

Lot-Sample #....: B0I300119-009 Work Order #....: DLCN8101 Matrix.....: SOLID
Date Sampled....: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 10/11/00 Analysis Date...: 10/11/00
Prep Batch #....: 0286175
Dilution Factor: 1 Initial Wgt/Vol: 5.1 g Final Wgt/Vol...: 5 mL
% Moisture.....: 12 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.7	ug/kg
Ethylbenzene	ND	5.7	ug/kg
Toluene	ND	5.7	ug/kg
Xylenes (total)	ND	5.7	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	80	(28 - 159)
1,2-Dichloroethane-d4	117	(51 - 168)
Toluene-d8	109	(66 - 152)
Dibromofluoromethane	111	(73 - 151)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B8

GC Volatiles

Lot-Sample #....: B0I300119-009 Work Order #....: DLCN8103 Matrix.....: SOLID
Date Sampled....: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 09/30/00 Analysis Date...: 10/07/00
Prep Batch #....: 0280279
Dilution Factor: 1 Initial Wgt/Vol: 5.33 g Final Wgt/Vol...: 5 mL
% Moisture.....: 12 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Gasoline Range Organics	ND	LIMIT	5.7
			mg/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
4-Bromofluorobenzene	111	(39 - 163)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B8

GC Semivolatiles

Lot-Sample #....: B0I300119-009 Work Order #....: DLCN8102 Matrix.....: SOLID
 Date Sampled....: 09/28/00 Date Received...: 09/30/00
 Prep Date.....: 10/02/00 Analysis Date...: 10/11/00
 Prep Batch #....: 0276444
 Dilution Factor: 1 Initial Wgt/Vol: 29.4 g Final Wgt/Vol...: 1 mL
 % Moisture.....: 12 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	ND	11	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetratriacontane	59	(25 - 113)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B8

TOTAL Metals

Lot-Sample #....: B0I300119-009

Date Sampled....: 09/28/00

% Moisture.....: 12

Date Received...: 09/30/00

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 0285375						
Mercury	ND	0.11	mg/kg	SW846 7471A	10/11/00	DLCN810C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #....: 0285418						
Arsenic	1.5	0.28	mg/kg	SW846 6010B	10/11-10/12/00	DLCN8104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	2.6	0.28	mg/kg	SW846 6010B	10/11-10/12/00	DLCN8105
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	0.55	0.28	mg/kg	SW846 6010B	10/11-10/12/00	DLCN8106
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	15.2	5.7	mg/kg	SW846 6010B	10/11-10/12/00	DLCN8107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.57	mg/kg	SW846 6010B	10/11-10/12/00	DLCN8108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	126	1.1	mg/kg	SW846 6010B	10/11-10/12/00	DLCN8109
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.1	mg/kg	SW846 6010B	10/11-10/12/00	DLCN810A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B8

General Chemistry

Lot-Sample #....: B0I300119-009

Work Order #....: DLCN8

Matrix.....: SOLID

Date Sampled...: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	9.0	0.10	No Units	SW846 9045A	09/30/00	0276317
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	11.9	5.7	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	1.2	1.1	mg/kg	MCAWW 340.2	10/06/00	0283107
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	2.8	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	88.3	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	12.2	5.7	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B9

GC/MS Volatiles

Lot-Sample #....: B0I300119-010
Date Sampled....: 09/28/00
Prep Date.....: 10/11/00
Prep Batch #....: 0286175
Dilution Factor: 1
% Moisture.....: 4.5

Work Order #....: DLCN9101
Date Received...: 09/30/00
Analysis Date...: 10/11/00
Initial Wgt/Vol: 5.5 g
Method.....: SW846 8260B

Matrix.....: SOLID

Final Wgt/Vol...: 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.2	ug/kg
Ethylbenzene	ND	5.2	ug/kg
Toluene	ND	5.2	ug/kg
Xylenes (total)	ND	5.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	76	(28 - 159)
1,2-Dichloroethane-d4	113	(51 - 168)
Toluene-d8	120	(66 - 152)
Dibromofluoromethane	111	(73 - 151)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B9

GC Volatiles

Lot-Sample #....: B0I300119-010	Work Order #....: DLCN9103	Matrix.....: SOLID
Date Sampled....: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 09/30/00	Analysis Date...: 10/07/00	
Prep Batch #....: 0280279		
Dilution Factor: 1	Initial Wgt/Vol: 5.29 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 4.5	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Gasoline Range Organics	ND	5.2	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
4-Bromofluorobenzene	108	(39 - 163)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B9

GC Semivolatiles

Lot-Sample #....: B0I300119-010	Work Order #....: DLCN9102	Matrix.....: SOLID
Date Sampled....: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 10/02/00	Analysis Date...: 10/11/00	
Prep Batch #....: 0276444		
Dilution Factor: 1	Initial Wgt/Vol: 29.86 g	Final Wgt/Vol...: 1 mL
% Moisture.....: 4.5	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Diesel Range Organics	ND	10	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Tetratriacontane	64	(25 - 113)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B9

TOTAL Metals

Lot-Sample #...: B0I300119-010

Date Sampled...: 09/28/00

% Moisture.....: 4.5

Date Received...: 09/30/00

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285375						
Mercury	ND	0.10	mg/kg	SW846 7471A	10/11/00	DLCN910C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #...: 0285418						
Arsenic	1.8	0.26	mg/kg	SW846 6010B	10/11-10/12/00	DLCN9104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	4.7	1.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCN9105
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	ND	1.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCN9106
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	99.6	5.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN9107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.52	mg/kg	SW846 6010B	10/11-10/12/00	DLCN9108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	46.6	5.2	mg/kg	SW846 6010B	10/11-10/12/00	DLCN9109
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.0	mg/kg	SW846 6010B	10/11-10/12/00	DLCN910A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B9

General Chemistry

Lot-Sample #....: B0I300119-010

Work Order #....: DLCN9

Matrix.....: SOLID

Date Sampled....: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 4.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.3	0.10	No Units	SW846 9045A	09/30/00	0276317
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	38.0	5.2	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	2.7	1.0	mg/kg	MCAWW 340.2	10/06/00	0283107
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	46.6	2.6	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	95.5	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	363	5.2	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B10

GC/MS Volatiles

Lot-Sample #...: B0I300119-011 Work Order #...: DLCNA101 Matrix.....: SOLID
Date Sampled...: 09/28/00 Date Received...: 09/30/00
Prep Date.....: 10/11/00 Analysis Date...: 10/11/00
Prep Batch #...: 0286175
Dilution Factor: 1 Initial Wgt/Vol: 5.15 g Final Wgt/Vol...: 5 mL
% Moisture.....: 1.3 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.1	ug/kg
Ethylbenzene	ND	5.1	ug/kg
Toluene	ND	5.1	ug/kg
Xylenes (total)	ND	5.1	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	77	(28 - 159)
1,2-Dichloroethane-d4	105	(51 - 168)
Toluene-d8	117	(66 - 152)
Dibromofluoromethane	104	(73 - 151)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B10

GC Volatiles

Lot-Sample #....: B0I300119-011	Work Order #....: DLCNA103	Matrix.....: SOLID
Date Sampled....: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 09/30/00	Analysis Date...: 10/07/00	
Prep Batch #....: 0280279		
Dilution Factor: 1	Initial Wgt/Vol: 5.23 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 1.3	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	5.1	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene	106	(39 - 163)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B10

GC Semivolatiles

Lot-Sample #....: B0I300119-011 Work Order #....: DLCNA102 Matrix.....: SOLID
 Date Sampled....: 09/28/00 Date Received...: 09/30/00
 Prep Date.....: 10/02/00 Analysis Date...: 10/07/00
 Prep Batch #....: 0276444
 Dilution Factor: 1 Initial Wgt/Vol: 29.78 g Final Wgt/Vol...: 1 mL
 % Moisture.....: 1.3 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	ND	10	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetratriacontane	71	(25 - 113)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B10

TOTAL Metals

Lot-Sample #...: B0I300119-011

Matrix.....: SOLID

Date Sampled...: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 1.3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285375						
Mercury	ND	0.10	mg/kg	SW846 7471A	10/11/00	DLCNA10C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #...: 0285418						
Arsenic	1.6	0.25	mg/kg	SW846 6010B	10/11-10/12/00	DLCNA104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	1.6	0.25	mg/kg	SW846 6010B	10/11-10/12/00	DLCNA105
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	ND	0.25	mg/kg	SW846 6010B	10/11-10/12/00	DLCNA106
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	11.5	5.1	mg/kg	SW846 6010B	10/11-10/12/00	DLCNA107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.51	mg/kg	SW846 6010B	10/11-10/12/00	DLCNA108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	2.2	1.0	mg/kg	SW846 6010B	10/11-10/12/00	DLCNA109
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.0	mg/kg	SW846 6010B	10/11-10/12/00	DLCNA10A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B10

General Chemistry

Lot-Sample #...: B0I300119-011

Work Order #...: DLCNA

Matrix.....: SOLID

Date Sampled...: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 1.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	6.9	0.10	No Units	SW846 9045A	09/30/00	0276317
			Dilution Factor: 1	Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	ND	5.1	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	ND	1.0	mg/kg	MCAWW 340.2	10/06/00	0283107
			Dilution Factor: 1	Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	2.5	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	98.7	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
			Dilution Factor: 1	Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	7.6	5.1	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
			Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-2

GC/MS Volatiles

Lot-Sample #....: B0I300119-012	Work Order #....: DLCNC101	Matrix.....: SOLID
Date Sampled....: 09/29/00	Date Received...: 09/30/00	
Prep Date.....: 10/11/00	Analysis Date...: 10/11/00	
Prep Batch #....: 0286175		
Dilution Factor: 1	Initial Wgt/Vol: 6.27 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 5.6	Method.....: SW846 8260B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Benzene	ND	5.3	ug/kg
Ethylbenzene	ND	5.3	ug/kg
Toluene	ND	5.3	ug/kg
Xylenes (total)	ND	5.3	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	78	(28 - 159)
1,2-Dichloroethane-d4	153	(51 - 168)
Toluene-d8	120	(66 - 152)
Dibromofluoromethane	142	(73 - 151)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-2

GC Volatiles

Lot-Sample #....: B0I300119-012 Work Order #....: DLCNC103 Matrix.....: SOLID
 Date Sampled....: 09/29/00 Date Received...: 09/30/00
 Prep Date.....: 09/30/00 Analysis Date...: 10/07/00
 Prep Batch #....: 0280279
 Dilution Factor: 1 Initial Wgt/Vol: 5.36 g Final Wgt/Vol...: 5 mL
 % Moisture.....: 5.6 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	ND	5.3	mg/kg	

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
4-Bromofluorobenzene	105	(39 - 163)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-2

GC Semivolatiles

Lot-Sample #....: B0I300119-012 Work Order #....: DLCNC102 Matrix.....: SOLID
 Date Sampled....: 09/29/00 Date Received...: 09/30/00
 Prep Date.....: 10/02/00 Analysis Date...: 10/11/00
 Prep Batch #....: 0276444
 Dilution Factor: 10 Initial Wgt/Vol: 29.95 g Final Wgt/Vol...: 1 mL
 % Moisture.....: 5.6 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	2300	110	mg/kg
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Tetratricontane	NC,SRD	(25 - 113)	

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-2

TOTAL Metals

Lot-Sample #...: B0I300119-012

Date Sampled...: 09/29/00

Date Received...: 09/30/00

% Moisture.....: 5.6

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285375						
Mercury	ND	0.11	mg/kg	SW846 7471A	10/11/00	DLCNC10C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #...: 0285418						
Arsenic	2.1	0.26	mg/kg	SW846 6010B	10/11-10/12/00	DLCNC104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	3.7	1.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCNC105
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	ND	1.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCNC106
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	140	5.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCNC107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.53	mg/kg	SW846 6010B	10/11-10/12/00	DLCNC108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	ND	5.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCNC109
		Dilution Factor: 5		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.1	mg/kg	SW846 6010B	10/11-10/12/00	DLCNC10A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-2

General Chemistry

Lot-Sample #....: B0I300119-012

Work Order #....: DLCNC

Matrix.....: SOLID

Date Sampled...: 09/29/00

Date Received...: 09/30/00

% Moisture.....: 5.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.3	0.10	No Units	SW846 9045A	09/30/00	0276317
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	28.4	5.3	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	4.8	1.1	mg/kg	MCAWW 340.2	10/06/00	0283107
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	2.6	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	94.4	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	65.4	5.3	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-1

GC/MS Volatiles

Lot-Sample #....: B0I300119-013 Work Order #....: DLCND101 Matrix.....: SOLID
 Date Sampled....: 09/29/00 Date Received...: 09/30/00
 Prep Date.....: 10/11/00 Analysis Date...: 10/11/00
 Prep Batch #....: 0286175
 Dilution Factor: 1 Initial Wgt/Vol: 5.34 g Final Wgt/Vol...: 5 mL
 % Moisture.....: 7.4 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.4	ug/kg
Ethylbenzene	ND	5.4	ug/kg
Toluene	ND	5.4	ug/kg
Xylenes (total)	ND	5.4	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(28 - 159)
1,2-Dichloroethane-d4	137	(51 - 168)
Toluene-d8	111	(66 - 152)
Dibromofluoromethane	140	(73 - 151)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-1

GC Volatiles

Lot-Sample #....: B0I300119-013 Work Order #....: DLCND103 Matrix.....: SOLID
 Date Sampled....: 09/29/00 Date Received...: 09/30/00
 Prep Date.....: 09/30/00 Analysis Date...: 10/07/00
 Prep Batch #....: 0280279
 Dilution Factor: 1 Initial Wgt/Vol: 5.32 g Final Wgt/Vol...: 5 mL
 % Moisture.....: 7.4 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	ND	5.4	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	105	(39 - 163)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-1

GC Semivolatiles

Lot-Sample #....: B0I300119-013 Work Order #....: DLCND102 Matrix.....: SOLID
 Date Sampled....: 09/29/00 Date Received...: 09/30/00
 Prep Date.....: 10/02/00 Analysis Date...: 10/11/00
 Prep Batch #....: 0276444
 Dilution Factor: 10 Initial Wgt/Vol: 29.99 g Final Wgt/Vol...: 1 mL
 % Moisture.....: 7.4 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	1600	110	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetratriacontane	NC, SRD	(25 - 113)

NOTE(S) :

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-1

TOTAL Metals

Lot-Sample #...: B0I300119-013

Matrix.....: SOL

Date Sampled...: 09/29/00

Date Received...: 09/30/00

% Moisture.....: 7.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORD
Prep Batch #...: 0285375						
Mercury	ND	0.11	mg/kg	SW846 7471A	10/11/00	DLC
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #...: 0285418						
Arsenic	4.6	0.27	mg/kg	SW846 6010B	10/11-10/12/00	DLC
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	5.2	2.7	mg/kg	SW846 6010B	10/11-10/12/00	DLC
		Dilution Factor: 10		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	ND	2.7	mg/kg	SW846 6010B	10/11-10/12/00	DLC
		Dilution Factor: 10		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	251	5.4	mg/kg	SW846 6010B	10/11-10/12/00	DLC
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.54	mg/kg	SW846 6010B	10/11-10/12/00	DLC
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	ND	10.8	mg/kg	SW846 6010B	10/11-10/12/00	DLC
		Dilution Factor: 10		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.1	mg/kg	SW846 6010B	10/11-10/12/00	DLC
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-1

General Chemistry

Lot-Sample #...: B0I300119-013

Work Order #...: DLCND

Matrix.....: SOLID

Date Sampled...: 09/29/00

Date Received...: 09/30/00

% Moisture.....: 7.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP DATE
pH (solid)	8.7	0.10	No Units	SW846 9045A	09/30/00	0276
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...	0
Chloride	20.6	5.4	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...	100
Fluoride	11.7	1.1	mg/kg	MCAWW 340.2	10/06/00	0281
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...	100
Nitrate as N	ND	2.7	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...	100
Percent Solids	92.6	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0276
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...	0
Sulfate	41.3	5.4	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...	100

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-5

GC/MS Volatiles

Lot-Sample #....: B0I300119-014 Work Order #....: DLCNE101 Matrix.....: SOLID
Date Sampled....: 09/29/00 Date Received...: 09/30/00
Prep Date.....: 09/30/00 Analysis Date...: 10/11/00
Prep Batch #....: 0286314
Dilution Factor: 1 Initial Wgt/Vol: 5.65 g Final Wgt/Vol...: 5 mL
% Moisture.....: 5.1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	260	ug/kg
Ethylbenzene	1800	260	ug/kg
Toluene	ND	260	ug/kg
Xylenes (total)	2700	260	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	127	(57 - 132)
Bromofluorobenzene	118	(58 - 135)
Dibromofluoromethane	126	(57 - 130)
Toluene-d8	105	(61 - 133)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-5

GC Volatiles

Lot-Sample #....: B0I300119-014	Work Order #....: DLCNE103	Matrix.....: SOLID
Date Sampled....: 09/29/00	Date Received...: 09/30/00	
Prep Date.....: 09/30/00	Analysis Date...: 10/09/00	
Prep Batch #....: 0280279		
Dilution Factor: 5	Initial Wgt/Vol: 5.27 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 5.1	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Gasoline Range Organics	150	26	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
4-Bromofluorobenzene	NC, SRD	(39 - 163)

NOTE(S) :

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-5

GC Semivolatiles

Lot-Sample #....: B0I300119-014 Work Order #....: DLCNE102 Matrix.....: SOLID
 Date Sampled....: 09/29/00 Date Received...: 09/30/00
 Prep Date.....: 10/02/00 Analysis Date...: 10/11/00
 Prep Batch #....: 0276444
 Dilution Factor: 10 Initial Wgt/Vol: 29.8 g Final Wgt/Vol...: 1 mL
 % Moisture.....: 5.1 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	1400	110	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetratriacontane	NC, SRD	(25 - 113)

NOTE (S) :

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-5

TOTAL Metals

Lot-Sample #...: B0I300119-014

Date Sampled...: 09/29/00

% Moisture.....: 5.1

Date Received...: 09/30/00

Matrix.....: SOLI

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORD#
Prep Batch #...	0285375					
Mercury	ND	0.11	mg/kg	SW846 7471A	10/11/00	DLC#
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #...	0285418					
Arsenic	1.1	0.26	mg/kg	SW846 6010B	10/11-10/12/00	DLC#
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	2.2	0.26	mg/kg	SW846 6010B	10/11-10/12/00	DLC#
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	ND	0.26	mg/kg	SW846 6010B	10/11-10/12/00	DLC#
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	27.8	5.3	mg/kg	SW846 6010B	10/11-10/12/00	DLC#
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.53	mg/kg	SW846 6010B	10/11-10/12/00	DLC#
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	2.6	1.1	mg/kg	SW846 6010B	10/11-10/12/00	DLC#
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.1	mg/kg	SW846 6010B	10/11-10/12/00	DLC#
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: B-3-5

General Chemistry

Lot-Sample #....: B0I300119-014

Work Order #....: DLCNE

Matrix.....: SOLID

Date Sampled...: 09/29/00

Date Received...: 09/30/00

% Moisture.....: 5.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREF BATCH
pH (solid)	8.6	0.10	No Units	SW846 9045A	09/30/00	0276
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	41.7	5.3	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100	
Fluoride	ND	1.1	mg/kg	MCAWW 340.2	10/06/00	0283
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100	
Nitrate as N	ND	2.6	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100	
Percent Solids	94.9	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	7.8	5.3	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100	

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: B0I300119
MB Lot-Sample #: B0J120000-175

Work Order #....: DM1RH1AA

Matrix.....: SOLID

Analysis Date...: 10/11/00
Dilution Factor: 1

Prep Date.....: 10/11/00

Final Wgt/Vol...: 5 mL

Prep Batch #....: 0286175

Initial Wgt/Vol: 5 g

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Benzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Bromofluorobenzene	93	(28 - 159)
1,2-Dichloroethane-d4	102	(51 - 168)
Toluene-d8	105	(66 - 152)
Dibromofluoromethane	99	(73 - 151)

NOTE(S) :

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: B0I300119
MB Lot-Sample #: B0J120000-314

Work Order #...: DM2GT1AA

Matrix.....: SOLID

Analysis Date...: 10/11/00
Dilution Factor: 1

Prep Date.....: 09/30/00

Prep Batch #...: 0286314

Final Wgt/Vol...: 5 mL

Initial Wgt/Vol: 5 g

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B
Toluene	ND	250	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	113	(57 - 132)
Bromofluorobenzene	104	(58 - 135)
Dibromofluoromethane	113	(57 - 130)
Toluene-d8	108	(61 - 133)

NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: B0I300119
MB Lot-Sample #: B0J060000-279

Work Order #...: DLNA9101

Matrix.....: SOLID

Analysis Date...: 10/06/00

Prep Date.....: 09/30/00

Final Wgt/Vol...: 5 mL

Dilution Factor: 1

Prep Batch #...: 0280279

Initial Wgt/Vol: 5 g

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Gasoline Range Organics	ND	5.0	mg/kg	SW846 8015B
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
4-Bromofluorobenzene	102	(39 - 163)		

NOTE (S) :

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

GC Semivolatiles

Matrix.....: SOLID

Final Wgt/Vol.: 1 mL

Initial Wgt/Vol: 30 g

SW846 8015B

(25 - 113)

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: B0I300119

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: B0J110000-375 Prep Batch #...: 0285375						
Mercury	ND	0.10	mg/kg	SW846 7471A	10/11/00	DLXH5101
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
MB Lot-Sample #: B0J110000-418 Prep Batch #...: 0285418						
Arsenic	ND	0.25	mg/kg	SW846 6010B	10/11-10/12/00	DLXR1102
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Lead	ND	0.25	mg/kg	SW846 6010B	10/11-10/12/00	DLXR1103
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Selenium	ND	0.25	mg/kg	SW846 6010B	10/11-10/12/00	DLXR1104
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Barium	ND	5.0	mg/kg	SW846 6010B	10/11-10/12/00	DLXR1105
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Cadmium	ND	0.50	mg/kg	SW846 6010B	10/11-10/12/00	DLXR1106
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Chromium	ND	1.0	mg/kg	SW846 6010B	10/11-10/12/00	DLXR1107
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Silver	ND	1.0	mg/kg	SW846 6010B	10/11-10/12/00	DLXR1101
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	

NOTE(S) :

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: B0I300119

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	Work Order #: DLDKC101 5.0	mg/kg	MB Lot-Sample #: MCAWW 300.0A	B0J020000-192 09/30-10/01/00	0276192
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	ND	Work Order #: DLR2D101 1.0	mg/kg	MB Lot-Sample #: MCAWW 340.2	B0J090000-107 10/06/00	0283107
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	Work Order #: DLDKD101 2.5	mg/kg	MB Lot-Sample #: MCAWW 300.0A	B0J020000-193 09/30-10/01/00	0276193
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Sulfate	ND	Work Order #: DLDKE101 5.0	mg/kg	MB Lot-Sample #: MCAWW 300.0A	B0J020000-194 09/30-10/01/00	0276194
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: B0I300119 Work Order #....: DM1RH1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: B0J120000-175 DM1RH1AD-LCSD
 Prep Date.....: 10/11/00 Analysis Date...: 10/11/00
 Prep Batch #....: 0286175
 Dilution Factor: 1 Final Wgt/Vol...: 5 mL
 Initial Wgt/Vol: 5 g

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	108	(78 - 120)			SW846 8260B
	109	(78 - 120)	1.1	(0-42)	SW846 8260B
Chlorobenzene	100	(76 - 120)			SW846 8260B
	104	(76 - 120)	3.2	(0-28)	SW846 8260B
Trichloroethene	105	(76 - 120)			SW846 8260B
	101	(76 - 120)	3.5	(0-44)	SW846 8260B
Benzene	100	(78 - 120)			SW846 8260B
	99	(78 - 120)	0.52	(0-39)	SW846 8260B
Toluene	107	(75 - 120)			SW846 8260B
	109	(75 - 120)	1.8	(0-29)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(28 - 159)
	105	(28 - 159)
1,2-Dichloroethane-d4	96	(51 - 168)
	95	(51 - 168)
Toluene-d8	112	(66 - 152)
	113	(66 - 152)
Dibromofluoromethane	101	(73 - 151)
	100	(73 - 151)

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 #....: B0I300119 Work Order #....: DM2GT1AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: B0J120000-314 DM2GT1AD-LCSD
 Prep Date.....: 09/30/00 Analysis Date...: 10/11/00
 Prep Batch #....: 0286314
 Dilution Factor: 1 Final Wgt/Vol...: 5 mL
 Initial Wgt/Vol: 5 g

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	98	(57 - 120)			SW846 8260B
	99	(57 - 120)	0.90	(0-29)	SW846 8260B
Chlorobenzene	97	(75 - 120)			SW846 8260B
	103	(75 - 120)	6.0	(0-28)	SW846 8260B
Trichloroethene	95	(71 - 120)			SW846 8260B
	100	(71 - 120)	5.2	(0-28)	SW846 8260B
Benzene	98	(75 - 120)			SW846 8260B
	99	(75 - 120)	1.5	(0-28)	SW846 8260B
Toluene	95	(75 - 120)			SW846 8260B
	102	(75 - 120)	6.6	(0-28)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	116	(57 - 132)
	113	(57 - 132)
Bromofluorobenzene	111	(58 - 135)
	112	(58 - 135)
Dibromofluoromethane	113	(57 - 130)
	111	(57 - 130)
Toluene-d8	110	(61 - 133)
	114	(61 - 133)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: B0I300119 Work Order #....: DLNA9102-LCS Matrix.....: SOLID
 LCS Lot-Sample#: B0J060000-279 DLNA9103-LCSD
 Prep Date.....: 09/30/00 Analysis Date...: 10/06/00
 Prep Batch #....: 0280279
 Dilution Factor: 1 Final Wgt/Vol...: 5 mL
 Initial Wgt/Vol: 5 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Gasoline Range Organics	115	(26 - 115)			SW846 8015B
	99	(26 - 115)	15	(0-25)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene	110	(39 - 163)
	98	(39 - 163)

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 #...: B0I300119 Work Order #...: DLEEX102-LCS Matrix.....: SOLID
 LCS Lot-Sample#: B0J020000-444 DLEEX103-LCSD
 Prep Date.....: 10/02/00 Analysis Date...: 10/06/00
 Prep Batch #...: 0276444
 Dilution Factor: 1 Final Wgt/Vol...: 1 mL
 Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Diesel Range Organics	99	(35 - 115)			SW846 8015B
	99	(35 - 115)	0.67	(0-34)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetratriacontane	86	(25 - 113)
	86	(25 - 113)

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 #...: B0I300119

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: B0J110000-375 Prep Batch #...: 0285375					
Mercury	103	(90 - 110)	SW846 7471A	10/11/00	DLXH5102
		Dilution Factor: 1	Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
LCS Lot-Sample#: B0J110000-418 Prep Batch #...: 0285418					
Lead	99	(85 - 115)	SW846 6010B	10/11-10/12/00	DLXR110A
		Dilution Factor: 1	Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Selenium	92	(85 - 115)	SW846 6010B	10/11-10/12/00	DLXR110C
		Dilution Factor: 1	Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Arsenic	96	(85 - 115)	SW846 6010B	10/11-10/12/00	DLXR1109
		Dilution Factor: 1	Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Barium	104	(85 - 115)	SW846 6010B	10/11-10/12/00	DLXR110D
		Dilution Factor: 1	Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Cadmium	101	(85 - 115)	SW846 6010B	10/11-10/12/00	DLXR110E
		Dilution Factor: 1	Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Chromium	99	(85 - 115)	SW846 6010B	10/11-10/12/00	DLXR110F
		Dilution Factor: 1	Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	
Silver	95	(85 - 115)	SW846 6010B	10/11-10/12/00	DLXR1108
		Dilution Factor: 1	Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: B0I300119

Matrix.....: SOLID

	PERCENT	RECOVERY	RPD	PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD	ANALYSIS DATE	BATCH #
pH (solid)		WO#:DLE4R101-LCS/DLE4R102-LCSD LCS Lot-Sample#: B0J020000-317			
	100	(99 - 101)		SW846 9045A	09/30/00 0276317
	100	(99 - 101) 0.28 (0-20)	SW846 9045A	09/30/00	0276317
		Dilution Factor: 1	Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride		WO#:DLDKC102-LCS/DLDKC103-LCSD LCS Lot-Sample#: B0J020000-192			
	95	(85 - 110)		MCAWW 300.0A	09/30-10/01/00 0276192
	94	(85 - 110) 0.25 (0-10)	MCAWW 300.0A	09/30-10/01/00	0276192
		Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride		WO#:DLR2D102-LCS/DLR2D103-LCSD LCS Lot-Sample#: B0J090000-107			
	96	(90 - 110)		MCAWW 340.2	10/06/00 0283107
	96	(90 - 110) 0.0 (0-10)	MCAWW 340.2	10/06/00	0283107
		Dilution Factor: 1	Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N		WO#:DLDKD102-LCS/DLDKD103-LCSD LCS Lot-Sample#: B0J020000-193			
	96	(90 - 110)		MCAWW 300.0A	09/30-10/01/00 0276193
	96	(90 - 110) 0.0 (0-11)	MCAWW 300.0A	09/30-10/01/00	0276193
		Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Sulfate		WO#:DLDKE102-LCS/DLDKE103-LCSD LCS Lot-Sample#: B0J020000-194			
	98	(82 - 115)		MCAWW 300.0A	09/30-10/01/00 0276194
	98	(82 - 115) 0.28 (0-10)	MCAWW 300.0A	09/30-10/01/00	0276194
		Dilution Factor: 1	Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S) :

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: B0I300119

Matrix.....: SOLID

Date Sampled...: 09/28/00

Date Received...: 09/30/00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: B0I300119-001 Prep Batch #...: 0285418							
Arsenic	88	(85 - 115)			SW846 6010B	10/11-10/12/00	DLCMW10M
	87	(85 - 115)	0.29	(0-10)	SW846 6010B	10/11-10/12/00	DLCMW10N
			Dilution Factor: 1		Initial Wgt/Vol: 0		Final Wgt/Vol...: 0
Lead	96	(85 - 115)			SW846 6010B	10/11-10/12/00	DLCMW10P
	95	(85 - 115)	0.58	(0-10)	SW846 6010B	10/11-10/12/00	DLCMW10Q
			Dilution Factor: 5		Initial Wgt/Vol: 0		Final Wgt/Vol...: 0
Selenium	80 N	(85 - 115)			SW846 6010B	10/11-10/12/00	DLCMW10R
	84 N	(85 - 115)	4.5	(0-10)	SW846 6010B	10/11-10/12/00	DLCMW10T
			Dilution Factor: 5		Initial Wgt/Vol: 0		Final Wgt/Vol...: 0
Barium	NC,MSB	(85 - 115)			SW846 6010B	10/11-10/12/00	DLCMW10U
	NC,MSB	(85 - 115)		(0-13)	SW846 6010B	10/11-10/12/00	DLCMW10V
			Dilution Factor: 1		Initial Wgt/Vol: 0		Final Wgt/Vol...: 0
Cadmium	84 N	(85 - 115)			SW846 6010B	10/11-10/12/00	DLCMW10W
	84 N	(85 - 115)	0.10	(0-10)	SW846 6010B	10/11-10/12/00	DLCMW10X
			Dilution Factor: 1		Initial Wgt/Vol: 0		Final Wgt/Vol...: 0
Chromium	129 N	(85 - 115)			SW846 6010B	10/11-10/12/00	DLCMW110
	104 *	(85 - 115)	18	(0-10)	SW846 6010B	10/11-10/12/00	DLCMW111
			Dilution Factor: 5		Initial Wgt/Vol: 0		Final Wgt/Vol...: 0
Silver	85	(85 - 115)			SW846 6010B	10/11-10/12/00	DLCMW10K
	84 N	(85 - 115)	1.1	(0-10)	SW846 6010B	10/11-10/12/00	DLCMW10L
			Dilution Factor: 1		Initial Wgt/Vol: 0		Final Wgt/Vol...: 0

NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: B0I300119

Matrix.....: SOLID

Date Sampled...: 09/27/00

Date Received...: 09/29/00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: B0I290183-008 Prep Batch #...: 0285375							
Mercury	107	(69 - 127)			SW846 7471A	10/11/00	DL9C410U
	101	(69 - 127)	6.0	(0-20)	SW846 7471A	10/11/00	DL9C410V
		Dilution Factor: 1			Initial Wgt/Vol: 0	Final Wgt/Vol...: 0	

NOTE(S) :

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

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: B0I300119

Matrix.....: SOLID

Date Sampled...: 09/29/00

Date Received...: 09/30/00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride			WO#:	DLCNE10K-MS/DLCNE10L-MSD	MS Lot-Sample #:	B0I300119-014	
	108	(85 - 110)			MCAWW 300.0A	09/30-10/01/00	0276192
	109	(85 - 110)	0.31	(0-10)	MCAWW 300.0A	09/30-10/01/00	0276192
			Dilution Factor: 1		Initial Wgt/Vol: 10 g		Final Wgt/Vol...: 100 mL
Fluoride			WO#:	DLCNC10M-MS/DLCNC10N-MSD	MS Lot-Sample #:	B0I300119-012	
	102	(90 - 110)			MCAWW 340.2	10/06/00	0283107
	100	(90 - 110)	0.71	(0-10)	MCAWW 340.2	10/06/00	0283107
			Dilution Factor: 1		Initial Wgt/Vol: 20 g		Final Wgt/Vol...: 100 mL
Nitrate as N			WO#:	DLCNE10M-MS/DLCNE10N-MSD	MS Lot-Sample #:	B0I300119-014	
	100	(90 - 110)			MCAWW 300.0A	09/30-10/01/00	0276193
	100	(90 - 110)	0.04	(0-11)	MCAWW 300.0A	09/30-10/01/00	0276193
			Dilution Factor: 1		Initial Wgt/Vol: 10 g		Final Wgt/Vol...: 100 mL
Sulfate			WO#:	DLCNE10P-MS/DLCNE10Q-MSD	MS Lot-Sample #:	B0I300119-014	
	101	(82 - 115)			MCAWW 300.0A	09/30-10/01/00	0276194
	102	(82 - 115)	0.46	(0-10)	MCAWW 300.0A	09/30-10/01/00	0276194
			Dilution Factor: 1		Initial Wgt/Vol: 10 g		Final Wgt/Vol...: 100 mL

NOTE(S) :

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

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: B0I300119

Work Order #...: DLCNE-SMP
DLCNE-DUP

Matrix.....: SOLID

Date Sampled...: 09/29/00

Date Received...: 09/30/00

% Moisture.....: 5.1

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	8.6	No Units	0.0	(0-20)	SW846 9045A	09/30/00	0276317
			Dilution Factor: 1			Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Percent Solids	94.9	94.4	%	0.61	(0-20)	MCAWW 160.3 MOD	10/04-10/05/00	0279160
			Dilution Factor: 1			Initial Wgt/Vol:	Final Wgt/Vol...: 0	

SD Lot-Sample #: B0I300119-014

SD Lot-Sample #: B0I300119-014

Client (name or ID): MaximProject name: MaljamenDate received: 9/30/00

Lot number: _____

Received by: Carol McNultyCUR completed by: Carol McNulty**Cooler/Shipping Information:**Type: ☐ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID/Track #					
Temp (°C)	50				
Cooler ID/Track #					
Temp (°C)					

Other Information:

Any "NO" responses or discrepancies should be explained in the "Comments" section below. If an NCM was initiated, write the NCM number in the appropriate space.

CHECKLIST

YES NO NA NCM #

1. Were custody seals on shipping container(s) intact? Check "NA" if hand delivered. If "Yes," check one: <input type="checkbox"/> CUSTODY SEAL SAVED <input type="checkbox"/> UNABLE TO SAVE CUSTODY SEAL				
2. Were custody papers properly included with samples?				
3. Were custody papers properly filled out (ink, signed, match labels)?				
4. Did all bottles arrive in good condition (unbroken)?				
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?				
6. Were correct bottles used for the tests indicated?				
7. Were proper sample preservation techniques indicated?				
8. Were samples received within holding times? If "No," NCM required.				
9. Were all VOA bottles checked for the presence of air bubbles? If air bubbles were found, indicate in comment section.				
10. Were samples in direct contact with wet ice? If "No," check one: <input type="checkbox"/> NO ICE <input type="checkbox"/> BLUE ICE				
11. Were the samples received with a temperature blank? RECORD TEMPERATURE ABOVE If "No," check one: <input type="checkbox"/> Unable to determine temp <input type="checkbox"/> Taken from ice/water near samples				
12. Was the cooler temperature less than 6°C?				
13. Were sample pHs checked and recorded by Sample control? <i>NOTE: VOA samples are checked by laboratory analysts.</i>				
14. Were samples accepted into the laboratory?				

Comments:

B-3-2 listed twice on C-OC, only one sample taken for B-3-2.

Project Manager initials/date reviewed: 10-2-00 her

Chain of Custody Record



QUA-4124 0797

Client Maxim Technologies		Project Manager Cheryl Vancey		Date 9/29/00		Chain of Custody Number 34560	
Address 10601 Louisa NE Suite 106		Telephone Number (Area Code)/Fax Number 505-237-8440		Lab Number		Page 1 of 2	
City Albuquerque NM		State NM		Zip Code 87112		Site Contact Patty Quroz	
Project Name Malpais		Carrier/Mybill Number		Lab Contact		Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No.						Special Instructions/ Conditions of Receipt	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives						Analysis (Attach list if more space is needed)	
			Aqueous	Sed.	Soil	Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH		
B1	9/28	9:15			X							X	8260
B2	}	10:53			X							X	GRO
B3		11:30										X	DRO
B4		13:20										X	metals
B5	}	14:30			X							X	chloride
B6		14:45										X	so4
soil comp.		9/28	15:50									X	NO3
B7	}	9/28										X	F
B8		9/28	15:10									X	PH
B9		9/28	15:00									X	
B10	}	9/28	14:40									X	
B11		9/29	05:00									X	
B12		9/29	05:00									X	

Possible Hazard Identification		Sample Disposal		(A fee may be assessed if samples are retained longer than 3 months)	
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client
Turn Around Time Required		<input type="checkbox"/> 24 Hours		<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days
		<input type="checkbox"/> 14 Days		<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____
1. Relinquished By		Date	Time	1. Received By	
2. Relinquished By		Date	Time	2. Received By	
3. Relinquished By		Date	Time	3. Received By	
Comments					

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

Chain of Custody Record



QUA-124 0797

Client

Address

Project Manager

Date

Chain of Custody Number

Telephone Number (Area Code)/Fax Number

Lab Number

Maxim Technologies

Andy Vanier

9/29/00

34562

City

State

Zip Code

Site Contact

Lab Contact

Analysis (Attach list if more space is needed)

Page

2

of

2

Project Name

Albuquerque

NM

87112

Site Contact

Lab Contact

Analysis (Attach list if more space is needed)

Page

2

of

2

Contract/Purchase Order/Quote No.

Albuquerque

NM

87112

Site Contact

Lab Contact

Analysis (Attach list if more space is needed)

Page

2

of

2

Sample I.D. No. and Description
(Containers for each sample may be combined on one line)

Date

Time

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNOS

HCl

NaOH

ZnAc/NaOH

Containers & Preservatives

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

Analysis (Attach list if more space is needed)

B-3-1
B-3-5
B-3-2

9/29 11:30

X X

X

X

X

X

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

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

(A fee may be assessed if samples are retained longer than 3 months)

1. Relinquished By

Date

Time

1. Received By

Carol McMillan

Date

Time

2. Relinquished By

Date

Time

2. Received By

Carol McMillan

Date

Time

3. Relinquished By

Date

Time

3. Received By

Carol McMillan

Date

Time

Comments

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

CONOCO

Client Sample ID: SOIL COMP

GC/MS Volatiles

Lot-Sample #....: B0I300119-007	Work Order #....: DLCN6101	Matrix.....: SOLID
Date Sampled....: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 10/11/00	Analysis Date...: 10/11/00	
Prep Batch #....: 0286175		
Dilution Factor: 1	Initial Wgt/Vol: 5.52 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 4.8	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.3	ug/kg
Ethylbenzene	ND	5.3	ug/kg
Toluene	ND	5.3	ug/kg
Xylenes (total)	ND	5.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	73	(28 - 159)
1,2-Dichloroethane-d4	114	(51 - 168)
Toluene-d8	117	(66 - 152)
Dibromofluoromethane	114	(73 - 151)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: SOIL COMP

GC Volatiles

Lot-Sample #....: B0I300119-007	Work Order #....: DLCN6103	Matrix.....: SOLID
Date Sampled...: 09/28/00	Date Received...: 09/30/00	
Prep Date.....: 09/30/00	Analysis Date...: 10/06/00	
Prep Batch #....: 0280279		
Dilution Factor: 1	Initial Wgt/Vol: 5.34 g	Final Wgt/Vol...: 5 mL
% Moisture.....: 4.8	Method.....: SW846 8015B	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Gasoline Range Organics	ND	5.3	mg/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
<u>RECOVERY</u>	<u>LIMITS</u>	
4-Bromofluorobenzene	101	(39 - 163)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: SOIL COMP

GC Semivolatiles

Lot-Sample #...: B0I300119-007 Work Order #...: DLCN6102 Matrix.....: SOLID
 Date Sampled...: 09/28/00 Date Received...: 09/30/00
 Prep Date.....: 10/02/00 Analysis Date...: 10/06/00
 Prep Batch #...: 0276444
 Dilution Factor: 1 Initial Wgt/Vol: 29.12 g Final Wgt/Vol...: 1 mL
 % Moisture.....: 4.8 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	47	11	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetratriacontane	66	(25 - 113)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: SOIL COMP

TOTAL Metals

Lot-Sample #...: B0I300119-007

Date Sampled...: 09/28/00

% Moisture.....: 4.8

Date Received...: 09/30/00

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285375						
Mercury	0.15	0.11	mg/kg	SW846 7471A	10/11/00	DLCN610C
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Prep Batch #...: 0285418						
Arsenic	1.2	0.26	mg/kg	SW846 6010B	10/11-10/12/00	DLCN6104
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Lead	3.4	0.26	mg/kg	SW846 6010B	10/11-10/12/00	DLCN6105
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Selenium	ND	0.26	mg/kg	SW846 6010B	10/11-10/12/00	DLCN6106
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Barium	38.9	5.3	mg/kg	SW846 6010B	10/11-10/12/00	DLCN6107
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Cadmium	ND	0.53	mg/kg	SW846 6010B	10/11-10/12/00	DLCN6108
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chromium	31.6	1.1	mg/kg	SW846 6010B	10/11-10/12/00	DLCN6109
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Silver	ND	1.1	mg/kg	SW846 6010B	10/11-10/12/00	DLCN610A
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: SOIL COMP

General Chemistry

Lot-Sample #...: B0I300119-007

Work Order #...: DLCN6

Matrix.....: SOLID

Date Sampled...: 09/28/00

Date Received...: 09/30/00

% Moisture.....: 4.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.7	0.10	No Units	SW846 9045A	09/30/00	0276317
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Chloride	ND	5.3	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276192
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Fluoride	ND	1.1	mg/kg	MCAWW 340.2	10/06/00	0283107
		Dilution Factor: 1		Initial Wgt/Vol: 20 g	Final Wgt/Vol...: 100 mL	
Nitrate as N	ND	2.6	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276193
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	
Percent Solids	95.2	0.10	%	MCAWW 160.3 MOD	10/04-10/05/00	0279160
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol...: 0	
Sulfate	ND	5.3	mg/kg	MCAWW 300.0A	09/30-10/01/00	0276194
		Dilution Factor: 1		Initial Wgt/Vol: 10 g	Final Wgt/Vol...: 100 mL	

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.