GW - 20

REPORTS

YEAR(S):

2000

MAXIM TECHNOLOGIES INC®

10601 Lomas NE
Suite 106
Albuquerque, NM 87112

505-237-8440

November 27, 2000

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

RE: Installation & Sampling of MW-2 and MW-3
Shallow Soil Investigation @ the Bermed Area
Maljamar Gas Plant
1001 Conoco Road
Maljamar, New Mexico
Maxim Project No. 2007210

Dear Mr. Price:

On behalf of Conoco Inc. (Conoco), Maxim Technologies, Inc. (Maxim) prepared this letter report for your review and approval detailing the subsurface investigation performed on September 28 and 29, 2000 at the Maljamar Gas Plant. This most recent subsurface investigation consisted of two major objectives:

1. Conduct a limited shallow soil investigation in Area 1 (the Bermed Area) per the 9/19/00 Maxim work plan submitted and approved by the New Mexico Oil Conservation Division (OCD) on 9/19/00; and
2. Install two monitor wells (MW-2 and MW-3) and sample the new wells plus existing monitor well MW-1 per the 8/8/00 Maxim work plan submitted and approved by the OCD on 9/19/00.

BACKGROUND

On February 13, 2000, approximately 15 barrels (bbl) of condensate were released in a bermed skimmer basin site on the south side of the Maljamar Gas Plant hereinafter designated Area 1. After notification to the OCD, Conoco removed and disposed of approximately 20 cubic yards of soil from within Area 1 as part of the spill mitigation effort. Subsequent to the excavation, Maxim was retained to perform a subsurface investigation to assess the vertical and horizontal impact associated with the 15 bbl release. The subsurface investigation was conducted in Area 1, and an adjoining bermed area formerly containing condensate tanks, hereinafter designated Area 2. The subsurface investigations occurred on April 27 - 28 and June 21 – 22, and included the installation of 12 soil borings and one groundwater monitor well (MW-1). The results were submitted to the OCD on August 8, 2000 for review. Based on the results of the subsurface investigations, Conoco determined that:

1. During the installation of the soil borings and monitor well, evidence of historical impacts to both soil and groundwater exists at Area 1 and Area 2;
2. The majority of the soil impacted by the February release was likely mitigated through excavation efforts.

The recommended course of action agreed upon by Conoco and the OCD was as follows:

Groundwater Impacts

Regarding the historical release, Conoco determined that due to the nature of the data developed during the Area 1 and 2 soil boring and monitor well installation and sampling, additional groundwater data were required. Maxim prepared a plan proposing two additional monitor wells in the immediate vicinity of Areas 1 and 2. The OCD approved the plan on 9/19/00.

Additional Soil Removal

A review of the analyses of the shallow samples (0-5 feet below ground surface (bgs)) from soil borings B-3 and B-4 (Figure 1) indicated that some near-surface contamination (possibly related to the 15 bbl release) still existed inside the berm at Area 1. A plan was developed to perform a limited soil removal immediately surrounding borings B-3 and B-4 near the south berm of Area 1. This plan was designed to concentrate on removal and stockpiling of shallow soil with a photo-ionization detector (PID) reading of 50 ppm or higher. The maximum anticipated depth of excavation was to be four feet bgs (per the plan submitted and approved by the OCD 9/19/00).

The results of these investigations are presented below.

SUBSURFACE INVESTIGATIONS

Monitor Well Installation

On September 28 2000, Maxim supervised the drilling of two additional monitor wells (MW-2 and MW-3) in the immediate vicinity of Areas 1 and 2 (Figure 1). Harrison and Cooper, Inc. drilling company drilled the wells using an Ingersoll-Rand TH-60 rotary drill rig. Samples were collected every five feet and screened in the field for volatile organic compounds using a PID. The PID readings and lithologic descriptions are presented in the boring logs contained in Attachment A.

Monitor well MW-2 was drilled to a total depth of 98 feet bgs. Light colored sands and sandy silts were encountered to a depth of 60 feet below ground surface (bgs). From 60 feet to 90 feet bgs, green to dark green silty shales were encountered. Elevated PID readings, as well as "organic" odors were noted at the base of this unit. At approximately 90 feet bgs, a saturated sand horizon was penetrated. The drilling continued to 98 feet bgs at which point, a two-inch PVC monitor well was set and completed with 30 feet of screen from 68 feet to 98 feet bgs. The initial water level recorded was 82 feet bgs, indicative of an upward hydraulic gradient and confined conditions.

Monitor well MW-3 was drilled to a total depth of 98 feet bgs. The stratigrahic section encountered in MW-3 was very similar to that of MW-2 (Attachment A). The upper 60 feet encountered in the wells is thought to be representative of the Quaternary age alluvium/bolson fill, whereas the lower 38 feet probably represent the Triassic age Chinle Shale. The Tertiary age Ogallala Formation outcrops in a prominent escarpment (Mescalero Ridge) approximately four miles to the northeast of the Maljamar Gas Plant. At this point, the Ogallala unconformably overlies the Chinle. A two-inch PVC monitor well was completed in MW-3 with a screened interval ranging from 68 feet to 98 feet bgs. The initial water level recorded was 81 feet bgs.

Both wells were completed with a below-grade configuration, developed until conductivity and pH readings equilibrated, and sampled with clean, disposable bailers.

Monitor wells MW-1, MW-2, and MW-3 were sounded for groundwater levels on September 29 2000, after the wells had time to equilibrate to static conditions following development and sampling. The following table presents the measured water levels:

MONITOR WELL NUMBER	WATER LEVEL (FEET B.G.S.)
MW-1	77.96 feet
MW-2	76.32 feet
MW-3	76.94 feet

Figure 2 represents the potentiometric surface map based on the above-measured groundwater levels. The groundwater gradient is to the southwest, as is the regional dip of the Triassic deposits. The confined conditions indicated by the upward hydraulic gradient within the monitor wells is thought to be a result of a head differential between the Chinle sand unit and the saturated Ogallala overlying the Chinle four miles to the northeast. This relationship implies that the Ogallala is discharging downward into the underlying Chinle. Numerous groundwater supply wells are located within the Ogallala aquifer within the immediate vicinity of Maljamar, New Mexico. The Conoco gas plant derives drinking water supplies from Ogallala wells located north of the plant on the Mescalero Ridge.

The monitor wells were sampled for volatile organic compounds (USEPA Method 8260), semi-volatile compounds (USEPA Method 8270), RCRA metals (USEPA Methods 6010B/7470A), and major ions (conductance, pH, total dissolved solids, alkalinity [carbonate, bicarbonate and total], fluoride, chloride, sulfate, and nitrate). One duplicate sample, MW-4, was collected from monitor well MW-1 and submitted to the laboratory for the above listed analyses.

The following table presents a summary of the constituents of concern (COC) from the monitor well sampling event, as well as the New Mexico Water Quality Control Commission (NMWQCC) standards for comparative purposes with the listed COCs. The complete laboratory report is contained in Attachment B.

Constituent	MW-1	MW-4*	MW-2	MW-3	NMWQCC Standards
Arsenic	0.065 mg/L	0.13 mg/L	0.11 mg/L	0.16 mg/L	0.1 mg/L
Lead	0.0075 mg/L	0.067 mg/L	0.092 mg/L	0.088 mg/L	0.05 mg/L
Barium	0.31 mg/L	0.58 mg/L	3.1 mg/L	4.3 mg/L	1.0 mg/L
Chromium	0.013 mg/L	0.033 mg/L	0.12 mg/L	0.16 mg/L	0.05 mg/L
Benzene	700 ug/L	880 ug/L	15000 ug/L	30000 ug/L	10 ug/L
Naphthalene	2.2 ug/L	1.4 ug/L	30 ug/L	34 ug/L	30 ug/L**
Toluene	ND	ND	4700 ug/L	5000 ug/L	750 ug/L
Xylenes	6.7 ug/L	8.6 ug/L	ND	ND	620 ug/L
2-Methylnaphthalene	ND	ND	48 ug/L	53 ug/L	NA
Phenol	ND	ND	25 ug/L	40 ug/L	NA
TDS	740 mg/L	684 mg/L	1200 mg/L	1520 mg/L	1000 mg/L
Sulfate	56.7 mg/L	56.3 mg/L	35.7 mg/L	67.8 mg/L	600 mg/L
Chloride	176 mg/L	175 mg/L	296 mg/L	554 mg/L	250 mg/L

* MW-4 is a duplicate of MW-1

**PAHs: total naphthalene
Plus monomethyl-Naphthalenes

Soil Removal at Area 1

On September 29 2000, Maxim arrived on site to perform a soil removal from Area 1 to address any residual impacts still present from the February 13, 2000 15 bbl condensate release. The excavation efforts were guided by analytical results from soil borings installed on 4/27/00. Based on the aforementioned results, excavation efforts concentrated on the shallow soils in the vicinity of borings B-3 and B-4 (Figure 3). The soil removal followed the plan presented to and approved by the OCD on September 19, 2000.

- Field Screening

Field headspace analyses were conducted on-site by placing soil sampled out of the excavations in resealable plastic bags and allowing the samples to volatilize for approximately 15 minutes per OCD guidance. A PID was then used to test the headspace area in the bag above the soil samples for petroleum hydrocarbons and other low molecular weight organic compounds in parts per million (ppm) units. Based on the approved OCD plan, soils exhibiting headspace readings of 50 ppm or less would be left in place. PID readings for the excavations near B-3 and B-4 ranged as follows.

SAMPLE LOCATIONS AND FIELD PID READINGS

SAMPLE NO.	EXCAVATED DEPTH (inches)	VOC (ppm)	LABORATORY ANALYSIS REQUESTED
B-3-1	18	4.7	X
B-3-2	18	4.3	X
B-3-3	18	625.3	
B-3-4	36	440.5	
B-3-5	48	475.0	X
B-4-1	18	719	
B-4-2	24	900.5	
B-4-3	48	1190.4	
B-4-5	6	466.0	
B-4-6	18	2663.0	

- Soil Boring B-3

Work commenced on removal of soil immediately surrounding soil-boring B-3 (Figure 4) with a John Deere 790 D-LC track hoe operated by Ferguson Construction. At B-3, the containment berm was left in place. Soil removal in the area was severely constrained due to the presence of pipelines and conduits in the area, both on the surface and buried. An area approximately eight feet wide and about ten feet long was excavated to 18 to 24 inches deep. Excavated soil was placed on a liner that was later bermed and covered to limit potential for migration of contaminants in runoff to the environment. Three samples were gathered from the floor of the excavation and bagged for PID field analysis (samples B-3-1, B-3-2, and B-3-3) (Figure 4). Samples B-3-1 and B-3-2 were collected from the edges of the excavation at about 18 inches bgs, and both read less than 50 ppm on the PID. Sample B-3-3, obtained from the center of the excavation at about 18 inches in depth, returned a reading of 625.3 ppm on the PID. This area was excavated to 36 inches in depth, and another sample collected from the bottom of the excavation was analyzed on the PID. This sample returned a PID reading of 440.5 ppm. The center of the excavation was then deepened to approximately 48 inches, (the prescribed maximum

depth for phase 3 soil removal). A sample from the floor of the excavation returned a PID reading of 475.0 ppm.

Excavations in the area of boring B-3 encountered tan sand material with some intermixed gravel near the surface. Some moisture was noted in the surface material. The center of the excavation yielded moist sand discolored by product; varying from dark brown to black. This material also had a strong hydrocarbon odor.

- Soil Boring B-4

Excavations near soil boring B-4 (Figure 5) were performed with a John Deere 310 E wheeled backhoe operated by Ferguson Construction. Due to access and workspace constraints imposed by tanks and underground lines in the area, the containment berm had to be removed. A four-foot by two-foot trench was dug near the southeast corner of the active skimmer tank to an ultimate depth of 48 inches. Soil samples were collected at excavation depths of 18 inches, 24 inches, and 48 inches and field screened with a PID, (samples B-4-1, B-4-2, and B-4-3, respectively). PID readings at all depths were in excess of 50 ppm. A second location approximately eight to ten feet to the west was excavated to a depth of 18 inches bgs under the berm. A sample collected from the floor of this excavation read 2663.0 ppm. Another area approximately 8 feet southeast of the containment berm was excavated to a depth of six inches bgs. A sample from this excavation returned a PID reading of 466.0 ppm VOC.

The excavations surrounding the boring location B-4 encountered tan sand and silty sand along with discolored sand material colored dark brown to black. At depths exceeding 6 inches, the sand was moist and somewhat oily in nature and had a strong hydrocarbon odor.

Conoco personnel reduced the wall angles on the excavations to improve worker safety in the area. A load of caliche was ordered to rebuild the containment berm around the active skimmer tank.

- Soil Sampling and Analysis

Three soil samples were collected for laboratory analysis from excavation B-3. The samples were chosen from locations that will allow confirmation of field PID readings. No samples were collected from the B-4 excavations for laboratory analysis since the material removed from that area was perceptibly contaminated with hydrocarbon product.

Sample	Organics			Metals							
Number	DRO	xylenes	ethlybenzene	As	Pb	Cr	Ba	Fl	Cl	SO4	PH
B-3-1	1600	ND	ND	4.6	5.2	ND	251	11.7	21	41.3	8.7
B-3-2	2300	ND	ND	2.1	3.7	ND	140	4.8	28	65.4	8.3
B-3-5	1400	2700*	1800*	1.1	2.2	2.6	28	ND	42	7.8	8.6

DRO - Diesel Range Organics
*Values in ug/kg. All other values in mg/kg.

RESULTS OF INVESTIGATIONS

Monitor Well Installation

Results of the installation of two additional monitor wells and sampling of MW-1, MW-2 and MW-3 indicate:

- A confined, saturated sand occurs in the upper section of the Chinle Shale underlying the Maljamar Gas Plant. The upward hydraulic gradient is most likely created by groundwater discharge into the Chinle from the upgradient Ogallala aquifer.
- The groundwater gradient of the Chinle sand is to the southwest, or away from the Ogallala escarpment located approximately four miles northeast of the Maljamar Gas Plant.
- Organic compounds have impacted the Chinle sand unit underlying Areas 1 and 2. The most likely point source is the historical soil impacts underlying Areas 1 and 2. Additional investigations are required to substantiate this assumption.
- A background monitor well is required to ascertain if the metal concentrations observed in MW-1, MW-2 and MW-3 are the result of past plant operations or indicative of ambient background conditions.
- An additional groundwater investigation is required to identify the horizontal extent of the organic compounds within the Chinle sand unit, and confirm the groundwater flow direction on a regional basis.
- The background monitor well will be drilled to a depth sufficient to determine the thickness of the Chinle sand unit.

Soil Removal

Results of the limited soil excavation in Area 1, designed to mitigate residual impacts from the February 13, 2000 15 bbl condensate release, indicated that historical impacts were present from the surface to the planned investigatory depth of four feet bgs. Therefore, residuals, if any, from the 15 bbl release are overprinted by historical impacts, and any further attempts to segregate these impacts would not produce conclusive data. Based on data presented here and in previous reports to the OCD, Conoco believes that efforts directed toward the mitigation of the 15 bbl release have been successful, and closure of this issue should be granted. All future efforts will be directed toward the mitigation of the historical impacts.

RECOMMENDATIONS

Groundwater Investigation

In order to further define the extent and implications of the groundwater impacts, additional monitoring wells are herein proposed. The basis for the following proposed locations is to define background conditions as well as to determine the extent of groundwater impacts both onsite and offsite. Figure 6 presents the proposed locations.

- MW-4 – Proposed monitor well MW-4 is located on the northeast corner of the gas plant property, and will be installed to determine background groundwater quality. If it is determined that MW-4 is not impacted, it will be deepened to determine the thickness of the Chinle sand under investigation at that location.

- MW-5 – Proposed monitor well MW-5 is located in the southeast corner of the gas plant property. The purpose of this well is to establish groundwater conditions in this portion of the plant property. It will also identify any potential impacts derived from offsite oil and gas production operations that might have migrated onto the gas plant property.
- MW-6 – Proposed monitor well MW-6 is located in the center of the gas plant property, downgradient of the gas plant and upgradient of Areas 1 and 2. The purpose of the well is to identify any potential groundwater impacts derived from the gas plant operation. If this well is determined to be free from impacts following groundwater sampling, it will be treated as a temporary monitor well, and plugged and abandoned upon review of the analytical results. If the well is impacted, it will be completed as a permanent well.
- MW-7 – Proposed monitor well MW-7 is located along the west-central property line of the gas plant. The purpose of this well is to identify any groundwater impacts derived from the gas plant operation. If this well is determined to be free from impacts following groundwater sampling, it will be treated as a temporary monitor well, and plugged and abandoned upon review of the analytical results. If the well is impacted, it will be completed as a permanent well.
- MW-8 – Proposed monitor well MW-8 is located at the southwest corner of the gas plant property. The purpose of this well is to provide groundwater quality data at the furthest downgradient point onsite. If it is determined that groundwater is impacted in this well, offsite investigations will be required.
- Temporary Monitor Wells – Results from monitor well MW-8 will trigger whether of not Conoco will have to investigate offsite impacts. Initially, we propose to utilize temporary monitor well installations to delineate any offsite impacts. Following delineation efforts of offsite impacts, if present, one offsite monitor well will be installed beyond the leading edge of the impact.

- Monitor Well Installation and Sampling

All groundwater monitor wells will be installed, developed and sampled following the methodologies presented in the August 13, 1993 OCD publication, *Guidelines for Remediation of Leaks, Spills and Releases*. Per OCD guidance all samples will be collected and analyzed for "the full suite" of parameters as defined in the above referenced OCD guidance. These parameters include: volatile organic compounds (USEPA Method 8260), semi-volatile organic compounds (USEPA Method 8270), major cations/anions, and RCRA metals (USEPA Method 6010).

Prior to purging and sampling, monitor wells MW-1, MW-2 and MW-3 will be assessed for the presence of free product by slowly lowering a disposable bailer into the top of the water column, and visually inspecting the bailer contents for free product or a "sheen" following removal from the well. If free product or sheen is present, samples will not be collected from the well.

- Temporary Monitor Well Installation and Sampling

Temporary monitor wells will be constructed once saturation is encountered in an open boring. It is anticipated that a nominal twenty feet of screen will be installed with riser pipe to the surface. An annular sand pack will be placed opposite the screened zone. The well will be developed by bailing and surging until the field conductivity values stabilize. At that point, a groundwater sample will be collected for analysis. Following sample collection, the casing and screen will be removed from the boring, and the boring backfilled with hydrated bentonite pellets.

The groundwater samples collected from the temporary monitor wells will be analyzed for BTEX on a 24-hour turn-around. This process will expedite the offsite delineation process, and facilitate

the placement of permanent onsite and offsite monitor wells. The permanent offsite monitor well will be completed and sampled as described in the preceding section.

Soil Removal in Area 1

As previously stated, Conoco requests that the OCD grant closure on the February 2000 15-bbl condensate release. Conoco's rapid excavation of 20 cubic yards of impacted soil from Area 1 mitigated the release. Subsequent soil borings and test pit excavations have shown that any residual impacts from the 15 bbl release are overprinted by the historical impacts. Conoco believes that it would be beneficial from an environmental protection standpoint to expend resources on mitigating the historical impacts rather than attempting to segregate and mitigate residuals, if any, representative of the 15-bbl release.

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.

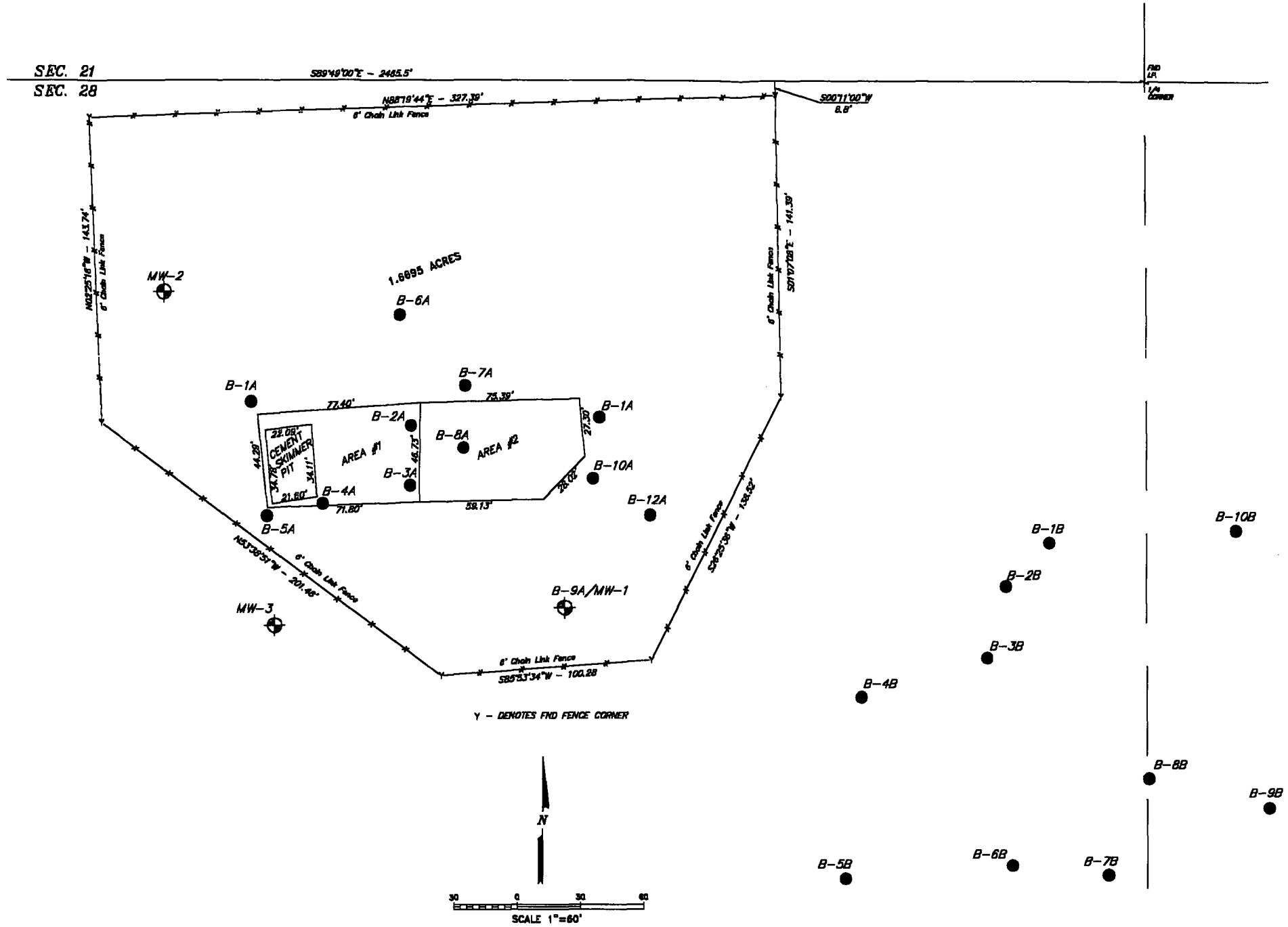
Clyde L. Yancey, P.G.
Senior Project Manager

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

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	713579.889	4003.943
B-5A	659709.863	713553.528	4003.602
B-6A	659804.070	713615.670	4004.173
B-7A	659771.205	713645.763	4004.828
B-8A	659741.554	713646.299	4004.857
B-9A	659915.441	713694.833	4002.240
B-10A	659727.838	713707.809	4004.591
B-11A	659756.280	713710.394	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	49624.665	47216.469	4000.94
B-6B	49630.473	47296.609	4001.86
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	76.32'	4002.90'	3926.58'
MW-3	76.94'	3999.90'	3922.96'

FIGURE 1-SITE MAP

CONOCO GAS PLANT
MALJAMAR, NEW MEXICO

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CHECKED BY: CY	DATE: 11/23/00	
PROJECT NO. 2007210		
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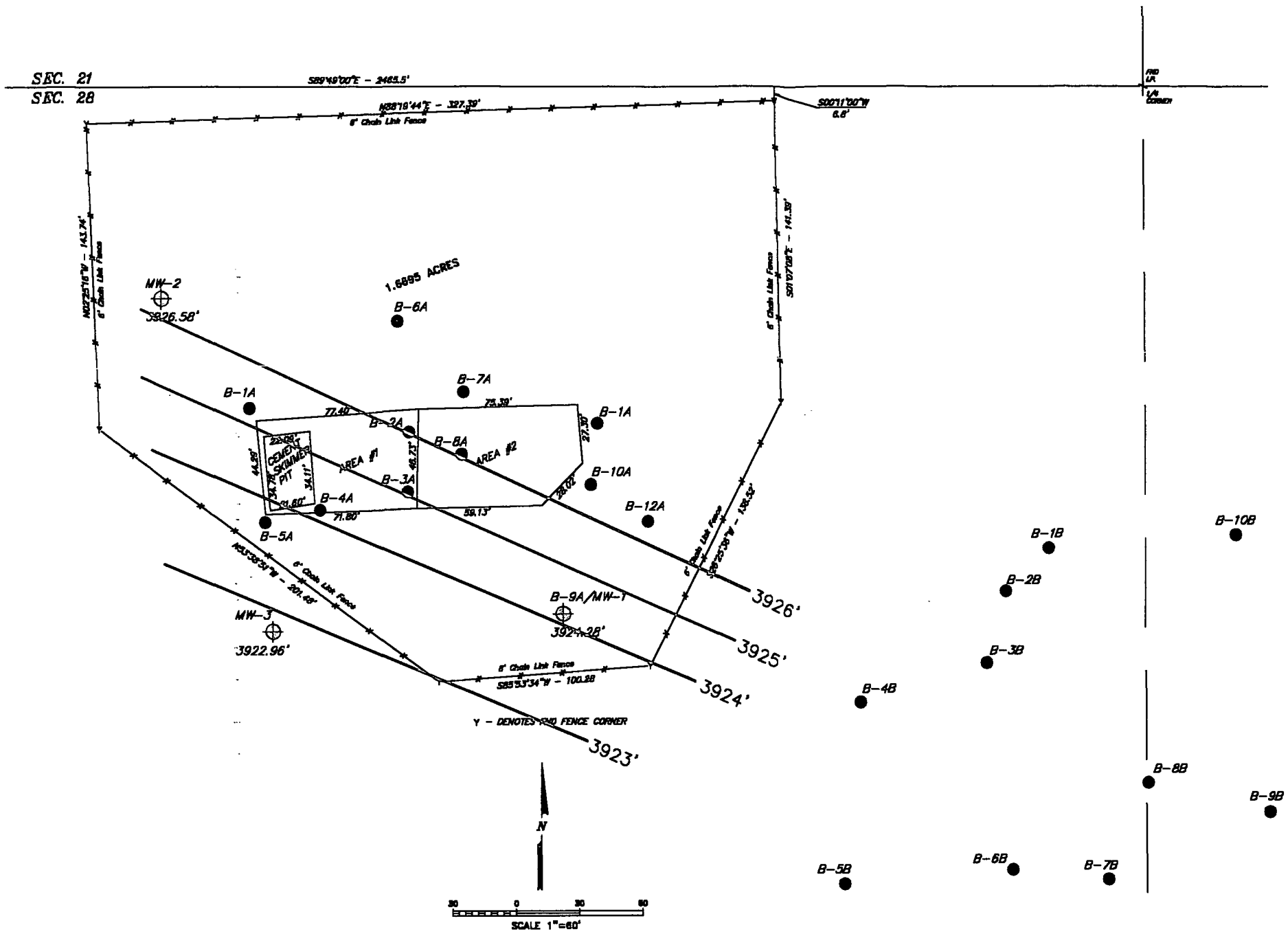
MAXIM TECHNOLOGIES INC



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B-5B	49624.685	47216.469	4000.94
B-6B	49630.473	47296.609	4001.86
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FIGURE 2–POTENTIOMETRIC SURFACE MAP

CONOCO GAS PLANT
MALJAMAR, NEW MEXICO

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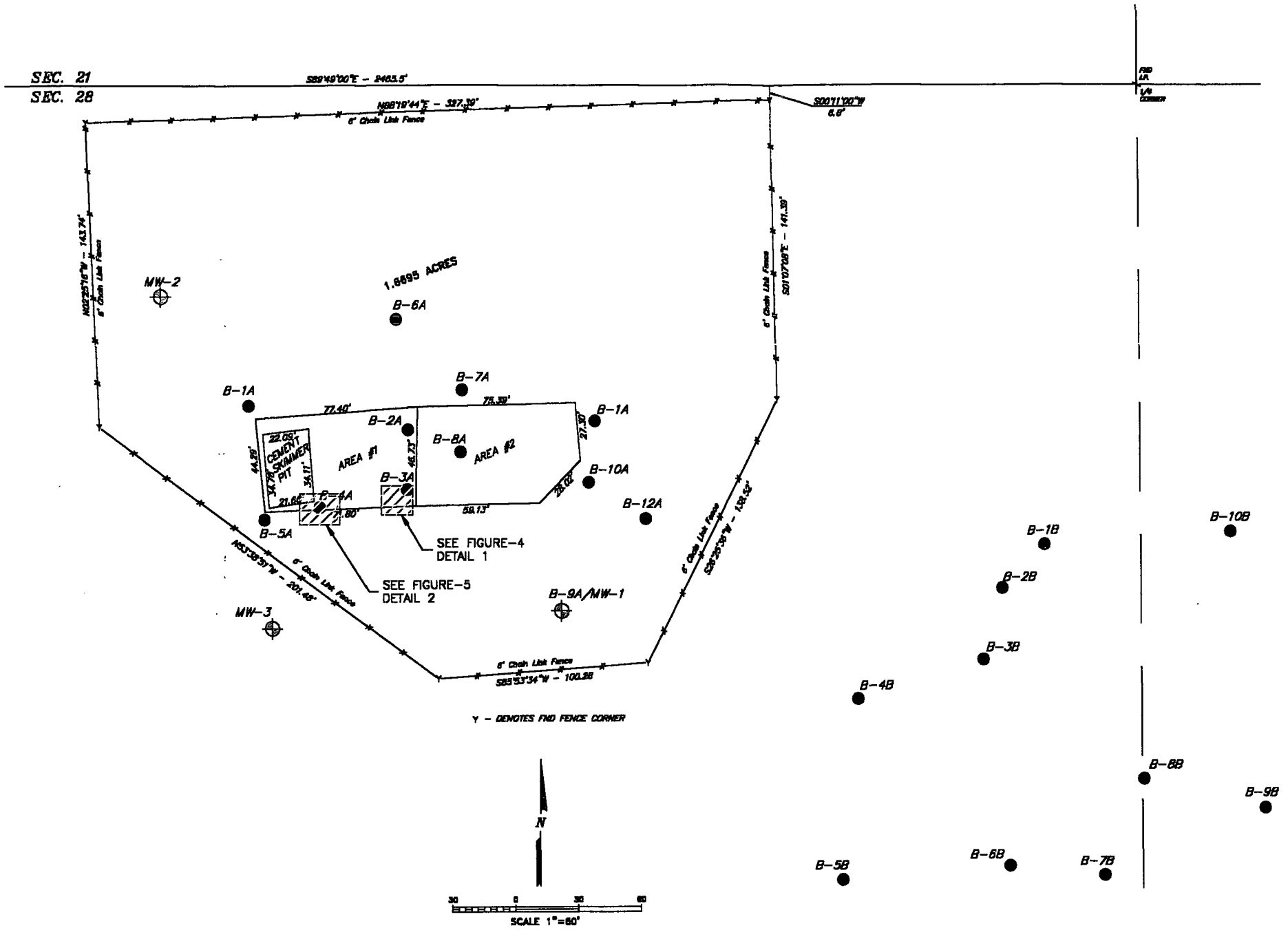

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B-3B	49727.787	47284.143	4001.96
B-4B	49708.880	47225.969	4001.63
B-5B	49624.665	47216.469	4000.94
B-6B	49630.473	47296.609	4001.88
B-7B	49626.470	47342.538	4001.14
B-8B	49670.466	47361.938	4001.74
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FIGURE 3-AREAS OF EXCAVATION

CONOCO GAS PLANT
MALJAMAR, NEW MEXICO

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PROJECT NO. 2007210 FILE NAME: 2007210C.DWG	MAXIM TECHNOLOGIES INC	

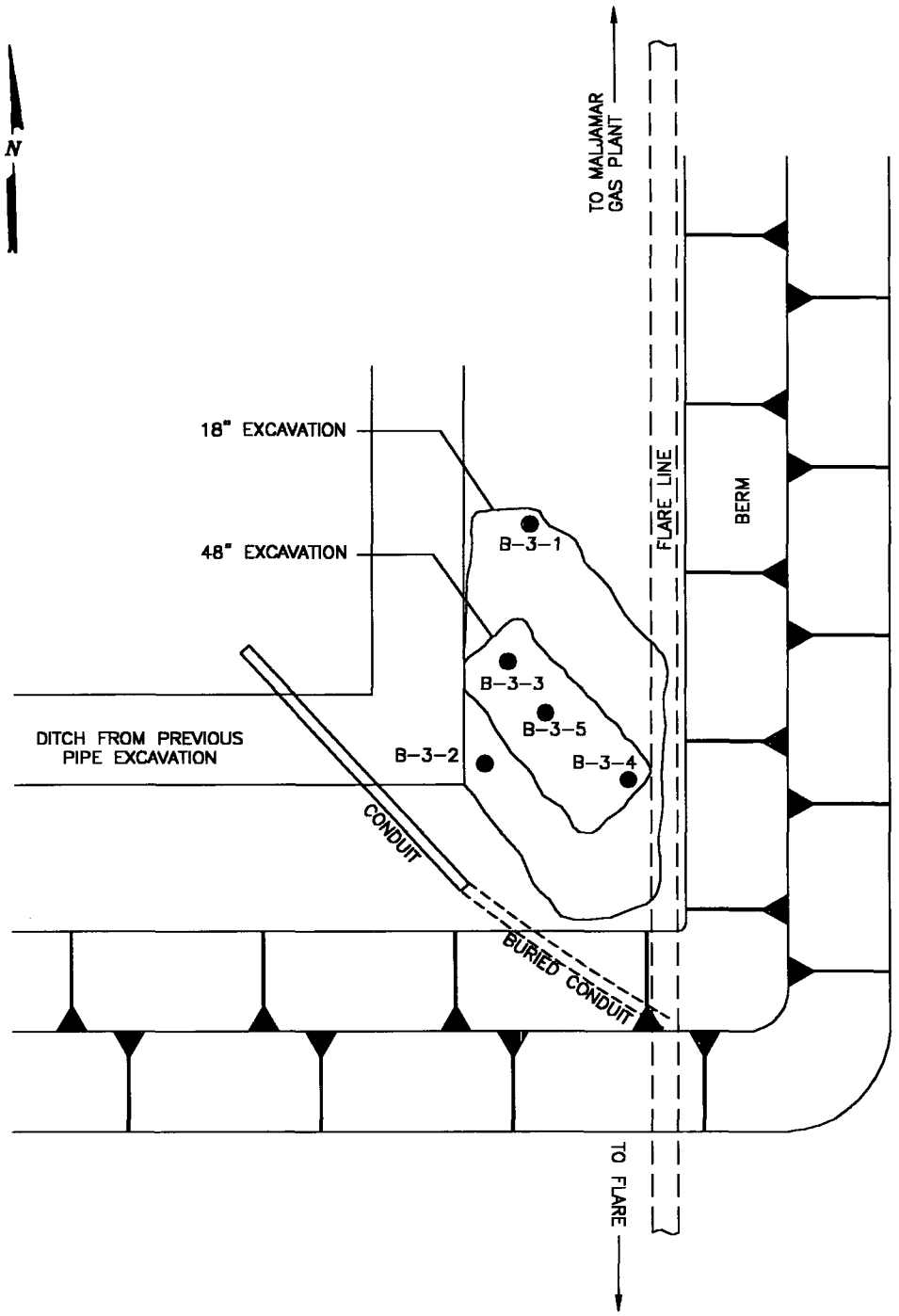


FIGURE 4—AREAS OF EXCAVATION DETAIL 1

CONOCO GAS PLANT
MALJAMAR, NEW MEXICO

PROJECT NO. 2007210	DRAWING BY: JJD	DATE: 11/15/00	SCALE:
FILE NAME: 2007210A.DWG	CHECKED BY: CY	DATE: 11/15/00	NOT TO SCALE

MAXIM TECHNOLOGIES INC

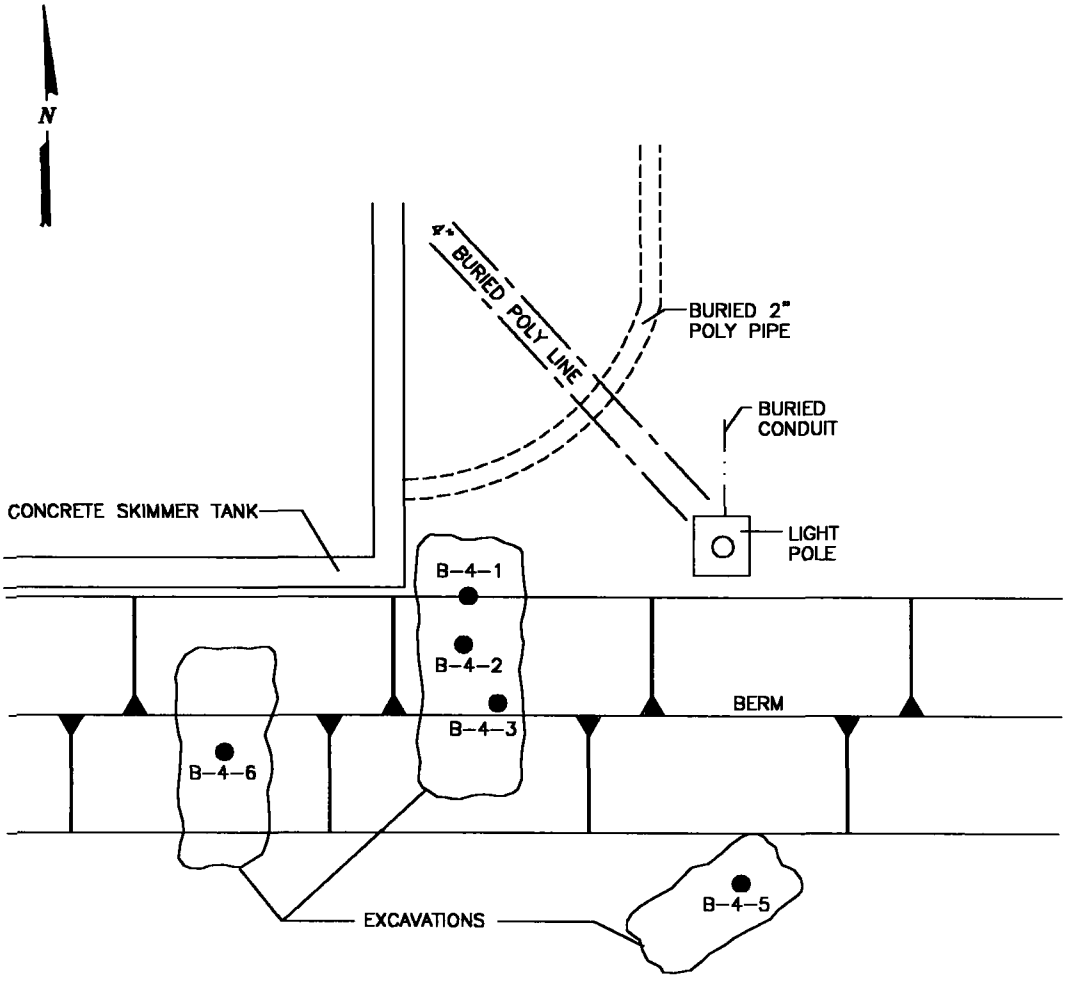
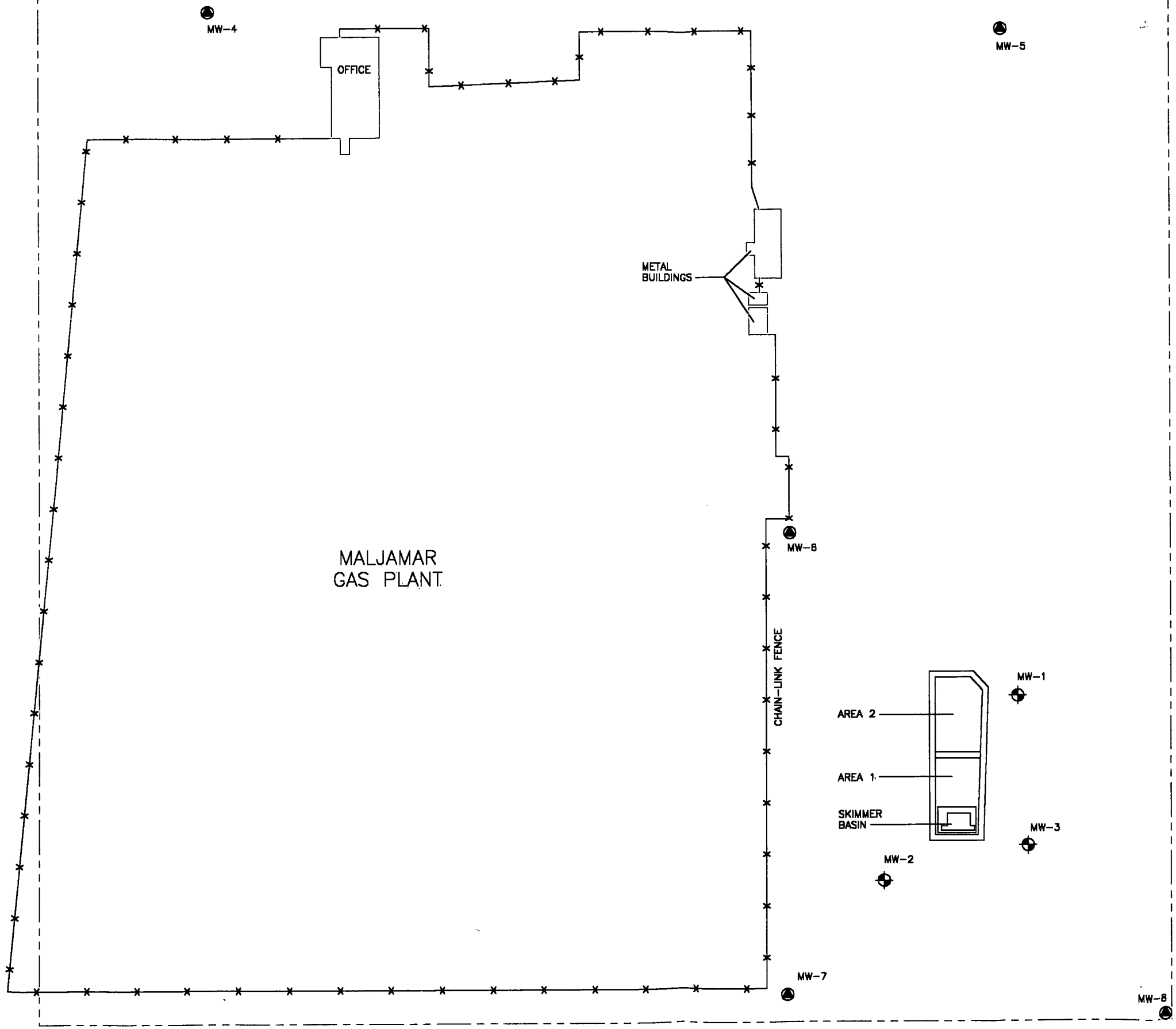


FIGURE 5-AREAS OF EXCAVATION DETAIL 2

CONOCO GAS PLANT
MALJAMAR, NEW MEXICO

PROJECT NO. 2007210	DRAWING BY: JJD	DATE: 11/15/00	SCALE:
FILE NAME: 2007210.DWG	CHECKED BY: CY	DATE: 11/15/00	NOT TO SCALE

MAXIM TECHNOLOGIES INC



LEGEND:

- PROPERTY BOUNDARY
- EXISTING MONITOR WELL LOCATION
- PROPOSED MONITOR WELL LOCATION

FIGURE 6–PROPOSED MONITOR WELL LOCATIONS

CONOCO GAS PLANT
MALJAMAR, NEW MEXICO

DRAWING BY: JD CHECKED BY: CY	DATE: 11/17/00 DATE: 11/17/00	SCALE: 1" = 100'
PROJECT NO. 2007210 FILE NAME: 2007210B.DWG	MAXIM TECHNOLOGIES INC	

ATTACHMENT A

SOIL BORING/MONITOR WELL LOG

BORING/WELL #: B-9/MW-1
PROJECT NO.: 2005069
LOCATION: 1001 CONOCO ROAD, MALJAMAR, NEW MEXICO
TOTAL DEPTH: 97.0'
SURFACE ELEV:
SCREEN: DIA: 2" LENGTH: 2.0' SIZE: 0.010"
CASING: DIA: 2" LENGTH: 72' TYPE: PVC
DRILLING METHOD(S): Air Rotary

CLIENT: CONOCO, INC.
PROJECT: MALJAMAR GAS PLANT
WATER LEVEL: INITIAL: 93.0'24 HOURS: 77.0'
BORE HOLE DIAMETER: 6.25"
DRILLING COMPANY: HARRISON & COOPER
DATE DRILLED: 6/21/00
DRILLER: K. COOPER
OVERSIGHT: C. MADDOX

H F	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
	Brownish red SILTY SAND	0.0'-10.0'			6.0 6.0 8.0 6.0 6.0			5 10
	Light pink SILTY SAND	10.0-15.0'						
	Brownish red SILTY SAND	15.0-25.0'			3.0 3.0 3.0 3.0			15 20
	Light pink SILTY SAND intermixed with sandstone/fairly coarse gravel	25.0-30.0'			3.0 3.0			25
	Reddish brown SILTY SAND	30.0-50.0'			17.0 17.0 15.0 15.0			30 35 40

DRIVEN SPLIT SPOON
PRESSED SHELBY TUBE
ROCK CORE
HSA - HOLLOW STEM AUGER
CFA - CONTINUOUS FLIGHT AUGERS
MD - MUD DRILLING
WATER LEVEL
AT COMPLETION
AFTER HOURS
BOTTOM CAP
SAND PACK
FACTORY - SLOTTED WELL SCREEN
WELL CASING

SOIL BORING/MONITOR WELL LOG

BORING/WELL #: B-9/MW-1
PROJECT NO.: 2005069
LOCATION: 1001 CONOCO ROAD, MALJAMAR, NEW MEXICO
TOTAL DEPTH: 97.0'
SURFACE ELEV:
SCREEN: DIA: 2" LENGTH: 2.0' SIZE: 0.010"
CASING: DIA: 2" LENGTH: 72' TYPE: PVC
DRILLING METHOD(S): Air Rotary

CLIENT: CONOCO, INC.
PROJECT: MALJAMAR GAS PLANT
WATER LEVEL: INITIAL: 93.0'24 HOURS: 77.0'
BORE HOLE DIAMETER: 6.25"
DRILLING COMPANY: HARRISON & COOPER
DATE DRILLED: 6/21/00
DRILLER: K. COOPER
OVERSIGHT: C. MADDOX

DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
	Reddish brown SILTY SAND -Very little sample retrieval from 40.0'-42.0'				5.0 5.0			
45								45
50	Medium brown SILTY SAND -Started describing soils from cuttings at 50.0'. Collected samples every 10.0'- for potential lab analysis.	50.0-57.0'						50
55								55
	Tannish gray SILTY SAND	57.0-64.0'						
60								60
65	Olive-brown SILTY SAND	64.0-93.0'						65
70								70
75								75
▼								
80								80

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

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/MONITOR WELL LOG

BORING/WELL #: B-9/MW-1
PROJECT NO.: 2005069
LOCATION: 1001 CONOCO ROAD, MALJAMAR, NEW MEXICO
TOTAL DEPTH: 97.0'
SURFACE ELEV:
SCREEN: DIA: 2" LENGTH: 2.0' SIZE: 0.010"
CASING: DIA: 2" LENGTH: 72' TYPE: PVC
DRILLING METHOD(S): Air Rotary

CLIENT: CONOCO, INC.
PROJECT: MALJAMAR GAS PLANT
WATER LEVEL: INITIAL: 93.0'24 HOURS: 77.0'
BORE HOLE DIAMETER: 6.25"
DRILLING COMPANY: HARRISON & COOPER
DATE DRILLED: 6/21/00
DRILLER: K. COOPER
OVERSIGHT: C. MADDOX

DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
85	Olive-brown SILTY SAND -Intermixed with small sandstone and clayey, shaley type material							85
90								90
▽	Medium brown SILTY SAND intermixed with gravel -Groundwater at 93.0'	93.0-97.0'						
95								95
	End of boring at 97.0'							
100								100
105								105
110								110
115								115
120								120

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

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/MONITOR WELL LOG

BORING/WELL #: MW-2
PROJECT NO.: 2007210
LOCATION: MALJAMAR, NEW MEXICO
TOTAL DEPTH: 98.0'
SURFACE ELEV:
SCREEN: DIA: 2" LENGTH: 30' SIZE: 0.010"
CASING: DIA: 2" LENGTH: 68' TYPE: PVC
DRILLING METHOD(S): Air Rotary

CLIENT: CONOCO, INC.
PROJECT: MALJAMAR GAS PLANT
WATER LEVEL:INITIAL: 82.15'24 HOURS: 76.32'
BORE HOLE DIAMETER:
DRILLING COMPANY: HARRISON & COOPER
DATE DRILLED: 9/28/00
DRILLER: C. HARRISON
OVERSIGHT: C. YANCEY

DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
0	SAND, tan, fine-grained, moderately sorted, no odor	0.0'-10.0'	5.0'		1.8			0
10	SILTY SAND, tan, very fine-grained, some clay, no odor	10.0-20.0'	15.0'		1.7			10
20	SILTY SAND, tan, moist, no odor	20.0-30.0'	25.0'		4.3			20
30	SILT, tan-gray, very fine-grained	30.0-40.0'	35.0'		2.6			30
40	SILT, gray, some very fine-grained sand with shale, moist, no odor	40.0-50.0'	45.0'		2.4			40
50	SILT, gray to light green some sand, very fine-grained, moist, no odor	50.0-60.0'						50
55								55

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

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/MONITOR WELL LOG

BORING/WELL #: MW-2
PROJECT NO.: 2007210
LOCATION: MALJAMAR, NEW MEXICO
TOTAL DEPTH: 98.0'
SURFACE ELEV:
SCREEN: DIA: 2" LENGTH: 30' SIZE: 0.010"
CASING: DIA: 2" LENGTH: 68' TYPE: PVC
DRILLING METHOD(S): Air Rotary

CLIENT: CONOCO, INC.
PROJECT: MALJAMAR GAS PLANT
WATER LEVEL:INITIAL: 82.15'24 HOURS: 76.32'
BORE HOLE DIAMETER:
DRILLING COMPANY: HARRISON & COOPER
DATE DRILLED: 9/28/00
DRILLER: C. HARRISON
OVERSIGHT: C. YANCEY

DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
	SILT, gray to light green some sand, very fine-grained, moist, no odor		55.0'		1.5			
60	SILTY SHALE, light green, moist, no odor	60.0-75.0'						60
65			65.0'		2.4			65
70	SILTY SHALE, dark green, moist, slight odor		72.0'		15.0			70
75 ▼	SILTY SHALE, light green, strong odor	75.0-80.0'						75
			78.0'		330.0			
80 ▽	SILTY SHALE, light green with very fine-grained sand, strong odor	80.0-90.0'						80
85			85.0'		579.0			85
90	SILTY SAND, light green, very fine-grained, strong odor	90.0-98.0'						90
95			94.0'		6.8			95
100	Boring terminated at 98.0'							100
105								105
110								110

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

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/MONITOR WELL LOG

BORING/WELL #: MW-3
PROJECT NO.: 2007210
LOCATION: MALJAMAR, NEW MEXICO
TOTAL DEPTH: 98.0'
SURFACE ELEV:
SCREEN: DIA: 2" LENGTH: 30' SIZE: 0.010"
CASING: DIA: 2" LENGTH: 68' TYPE: PVC
DRILLING METHOD(S): Air Rotary

CLIENT: CONOCO, INC.
PROJECT: MALJAMAR GAS PLANT
WATER LEVEL:INITIAL: 81.21'24 HOURS: 76.94'
BORE HOLE DIAMETER:
DRILLING COMPANY: HARRISON & COOPER
DATE DRILLED: 9/28/00
DRILLER: C. HARRISON
OVERSIGHT: C. YANCEY

DEPTH FEET	SOIL DESCRIPTION	DESCRIPTION INTERVAL	SAMPLE INTERVAL	CORE Y N	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
0	SAND, red-tan, very fine-grained to fine-grained, dry, no odor	0.0'-10.0'						0
5			5.0'		1.0			5
10	-moist from 10.0'-20.0'	10.0-20.0'						10
15			15.0'		8.5			15
20	SAND, tan, very fine-grained, well sorted, moist, no odor, minor silty clay content	20.0-30.0'						20
25			25.0'		1.6			25
30	SILTY SAND, tan to brown, very fine-grained, moist, no odor	30.0-40.0'						30
35			35.0'		3.0			35
40		40.0-50.0'						40
45	SILT, gray, very fine-grained, well cemented		45.0'		3.7			45
50	SILTY SAND, light tan, very fine-grained, tightly cemented	50.0-60.0'						50
55								55

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

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/MONITOR WELL LOG

BORING/WELL #: MW-3
PROJECT NO.: 2007210
LOCATION: MALJAMAR, NEW MEXICO
TOTAL DEPTH: 98.0'
SURFACE ELEV:
SCREEN: DIA: 2" LENGTH: 30' SIZE: 0.010"
CASING: DIA: 2" LENGTH: 68' TYPE: PVC
DRILLING METHOD(S): Air Rotary

CLIENT: CONOCO, INC.
PROJECT: MALJAMAR GAS PLANT
WATER LEVEL:INITIAL: 81.21'24 HOURS: 76.94'
BORE HOLE DIAMETER:
DRILLING COMPANY: HARRISON & COOPER
DATE DRILLED: 9/28/00
DRILLER: C. HARRISON
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, light tan, very fine-grained, tightly cemented		55.0'		1.1			
60	SILTY CLAY/SHALE, light gray/green, very fine-grained, tightly cemented, no odor	60.0-70.0'						60
65			65.0'		2.0			65
70	SILTY SHALE, light gray/green, moist, slight odor	70.0-80.0'						70
75 ▼			75.0'		15.0			75
80 ▽	-strong odor from 80.0'-90.0'	80.0-90.0'						80
85			85.0'		193.0			85
90	SILTY SAND, light green, very fine-grained, odor	90.0-98.0'						90
95			94.0'		10.5			95
	Boring terminated at 98.0'							
100								100
105								105
110								110

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

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 #: B0I300142

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 16, 2000

October 16, 2000

STL LOT NUMBER: **B0I300142**
PO/CONTRACT: 4500522251/NG00001

Clyde L. Yancey
Maxim Technologies
10601 Lomas NE
Suite 106
Albuquerque, NM 87112

Dear Clyde L. Yancey,

This report contains the analytical results for the five samples received under chain of custody by STL on September 30, 2000. These samples are associated with your Maljamar Gas Plant project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page.

If you have any questions, please feel free to call me at 813-621-0784.

LOT NUMBER B0I300142

Affected Samples: 1, 3, 4
Affected Methods: 8270C

The Surrogate recovery for 2,4,6-Tribromophenol in the above mentioned samples was recovered at percentages above the upper control limit which represents high bias. Since the compounds associated with this surrogate did not have any positive results, we believe this non conformance had no impact on the quality of the data.

EXECUTIVE SUMMARY - Detection Highlights

B0I300142

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-1 09/28/00 17:00 001				
Arsenic	0.065	0.0050	mg/L	SW846 6010B
Lead	0.0075	0.0030	mg/L	SW846 6010B
Barium	0.31	0.10	mg/L	SW846 6010B
Chromium	0.013	0.010	mg/L	SW846 6010B
Benzene	700	50	ug/L	SW846 8260B
Benzene	340 E	1.0	ug/L	SW846 8260B
sec-Butylbenzene	1.1	1.0	ug/L	SW846 8260B
Ethylbenzene	19	1.0	ug/L	SW846 8260B
Isopropylbenzene	1.9	1.0	ug/L	SW846 8260B
Naphthalene	2.2	1.0	ug/L	SW846 8260B
n-Propylbenzene	1.3	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	2.1	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	6.7	1.0	ug/L	SW846 8260B
Specific Conductance	1530	2.0	umhos/cm	MCAWW 120.1
pH (liquid)	7.1	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	740	40.0	mg/L	MCAWW 160.1
Fluoride	0.28	0.10	mg/L	MCAWW 340.2
Chloride	176	10.0	mg/L	MCAWW 300.0A
Sulfate	56.7	10.0	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	454	5.0	mg/L	MCAWW 310.1
Alkalinity as CaCO3 to pH 4.5	454	5.0	mg/L	MCAWW 310.1
MW-2 09/28/00 16:00 002				
Arsenic	0.11	0.0050	mg/L	SW846 6010B
Lead	0.092	0.0060	mg/L	SW846 6010B
Barium	3.1	0.10	mg/L	SW846 6010B
Chromium	0.12	0.020	mg/L	SW846 6010B
2-Methylnaphthalene	48	10	ug/L	SW846 8270C
2-Methylphenol	14	10	ug/L	SW846 8270C
Naphthalene	30	10	ug/L	SW846 8270C
Phenol	25	10	ug/L	SW846 8270C
Benzene	15000	750	ug/L	SW846 8260B
Toluene	4700	750	ug/L	SW846 8260B
Specific Conductance	1690	2.0	umhos/cm	MCAWW 120.1
pH (liquid)	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1200	40.0	mg/L	MCAWW 160.1
Fluoride	0.21	0.10	mg/L	MCAWW 340.2
Chloride	296	10.0	mg/L	MCAWW 300.0A
Sulfate	35.7	10.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

B0I300142

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-2 09/28/00 16:00 002				
Bicarbonate Alkalinity	345	5.0	mg/L	MCAWW 310.1
Alkalinity as CaCO3 to pH 4.5	345	5.0	mg/L	MCAWW 310.1
MW-3 09/28/00 003				
Arsenic	0.16	0.0050	mg/L	SW846 6010B
Lead	0.088	0.0060	mg/L	SW846 6010B
Barium	4.3	0.10	mg/L	SW846 6010B
Chromium	0.16	0.020	mg/L	SW846 6010B
2-Methylnaphthalene	53	10	ug/L	SW846 8270C
Naphthalene	34	10	ug/L	SW846 8270C
Phenol	40	10	ug/L	SW846 8270C
2-Methylnaphthalene	35	10	ug/L	SW846 8270C
Naphthalene	22	10	ug/L	SW846 8270C
Phenol	36	10	ug/L	SW846 8270C
Benzene	30000	1500	ug/L	SW846 8260B
Toluene	5000	1500	ug/L	SW846 8260B
Specific Conductance	2530	2.0	umhos/cm	MCAWW 120.1
pH (liquid)	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1520	10.0	mg/L	MCAWW 160.1
Fluoride	0.15	0.10	mg/L	MCAWW 340.2
Chloride	554	20.0	mg/L	MCAWW 300.0A
Sulfate	67.8	10.0	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	382	5.0	mg/L	MCAWW 310.1
Alkalinity as CaCO3 to pH 4.5	383	5.0	mg/L	MCAWW 310.1
MW-4 09/28/00 004				
Arsenic	0.13	0.0050	mg/L	SW846 6010B
Lead	0.067	0.0030	mg/L	SW846 6010B
Barium	0.58	0.10	mg/L	SW846 6010B
Chromium	0.033	0.010	mg/L	SW846 6010B
Benzene	350 E	1.0	ug/L	SW846 8260B
Benzene	880	50	ug/L	SW846 8260B
sec-Butylbenzene	1.0	1.0	ug/L	SW846 8260B
Ethylbenzene	26 E	1.0	ug/L	SW846 8260B
Isopropylbenzene	2.2	1.0	ug/L	SW846 8260B
Naphthalene	1.4	1.0	ug/L	SW846 8260B
n-Propylbenzene	1.5	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	2.6	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

B0I300142

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-4 09/28/00 004				
m-Xylene & p-Xylene	8.6	1.0	ug/L	SW846 8260B
Specific Conductance	1570	2.0	umhos/cm	MCAWW 120.1
pH (liquid)	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	684	40.0	mg/L	MCAWW 160.1
Fluoride	0.20	0.10	mg/L	MCAWW 340.2
Chloride	175	10.0	mg/L	MCAWW 300.0A
Sulfate	56.3	10.0	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	460	5.0	mg/L	MCAWW 310.1
Alkalinity as CaCO3 to pH 4.5	461	5.0	mg/L	MCAWW 310.1

METHODS SUMMARY

B0I300142

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
Alkalinity	MCAWW 310.1	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride	MCAWW 300.0A	MCAWW 300.0A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride (Potentiometric, Ion Selective Electrode)	MCAWW 340.2	MCAWW 340.2
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3510C
Specific Conductance	MCAWW 120.1	MCAWW 120.2
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

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

B0I300142

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DLCTM	001	MW-1	09/28/00	17:00
DLCTP	002	MW-2	09/28/00	16:00
DLCTQ	003	MW-3	09/28/00	
DLCTT	004	MW-4	09/28/00	
DLCTW	005	TRIP BLANK	09/28/00	

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: **MW-1**

GC/MS Volatiles

Lot-Sample #...: B0I300142-001 **Work Order #...:** DLCTM301 **Matrix.....:** WATER
Date Sampled...: 09/28/00 **Date Received..:** 09/30/00
Prep Date.....: 10/09/00 **Analysis Date..:** 10/09/00
Prep Batch #...: 0284160
Dilution Factor: 1 **Initial Wgt/Vol:** 25 mL **Final Wgt/Vol..:** 25 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**340 E**	**1.0**	**ug/L**
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	**1.1**	**1.0**	**ug/L**
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	**19**	**1.0**	**ug/L**
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	**1.9**	**1.0**	**ug/L**
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

CONOCO

Client Sample ID: MW-1

GC/MS Volatiles

Lot-Sample #...: B0I300142-001 Work Order #...: DLCTM301 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	2.0	ug/L
Naphthalene	**2.2**	**1.0**	**ug/L**
n-Propylbenzene	**1.3**	**1.0**	**ug/L**
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	**2.1**	**1.0**	**ug/L**
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	**6.7**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(80 - 120)
1,2-Dichloroethane-d4	101	(77 - 131)
Toluene-d8	101	(80 - 120)
Dibromofluoromethane	95	(80 - 125)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

CONOCO

Client Sample ID: MW-1

GC/MS Volatiles

Lot-Sample #...:	B0I300142-001	**Work Order #...:**	DLCTM201	**Matrix.....:**	WATER
Date Sampled...:	09/28/00	**Date Received..:**	09/30/00		
Prep Date.....:	10/06/00	**Analysis Date..:**	10/06/00		
Prep Batch #...:	0280385				
Dilution Factor:	50	**Initial Wgt/Vol:**	0.5 mL	**Final Wgt/Vol..:**	25 mL
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**700**	**50**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(80 - 120)
1,2-Dichloroethane-d4	103	(77 - 131)
Toluene-d8	101	(80 - 120)
Dibromofluoromethane	101	(80 - 125)

CONOCO

Client Sample ID: MW-1

GC/MS Semivolatiles

Lot-Sample #...: B0I300142-001 **Work Order #...:** DLCTM102 **Matrix.....:** WATER
Date Sampled...: 09/28/00 **Date Received..:** 09/30/00
Prep Date.....: 10/02/00 **Analysis Date..:** 10/03/00
Prep Batch #...: 0276511
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 1 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
Carbazole	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L

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CONOCO

Client Sample ID: MW-1

GC/MS Semivolatiles

Lot-Sample #...: B0I300142-001 **Work Order #...:** DLCTM102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol & 4-Methylphenol	ND	20	ug/L
Naphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L

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CONOCO

Client Sample ID: MW-1

GC/MS Semivolatiles

Lot-Sample #...: B0I300142-001 Work Order #...: DLCTM102 Matrix.....: WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	124 *	(30 - 120)
2-Fluorobiphenyl	76	(28 - 120)
2-Fluorophenol	30	(10 - 120)
Nitrobenzene-d5	61	(30 - 120)
Phenol-d5	23	(10 - 120)
Terphenyl-d14	108	(17 - 120)

NOTE(S):

* Surrogate recovery is outside stated control limits.

CONOCO

Client Sample ID: **MW-1**

TOTAL Metals

Lot-Sample #...: B0I300142-001 **Matrix.....:** WATER
Date Sampled...: 09/28/00 **Date Received..:** 09/30/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285321						
Mercury	ND	0.20	ug/L	SW846 7470A	10/11/00	DLCTM114
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Prep Batch #...: 0285329						
Arsenic	**0.065**	**0.0050**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTM104**
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Lead	**0.0075**	**0.0030**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTM105**
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Barium	**0.31**	**0.10**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTM10C**
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Selenium	ND	0.0050	mg/L	SW846 6010B	10/11/00	DLCTM106
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Cadmium	ND	0.0050	mg/L	SW846 6010B	10/11/00	DLCTM10E
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Chromium	**0.013**	**0.010**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTM10G**
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Silver	ND	0.010	mg/L	SW846 6010B	10/11/00	DLCTM10U
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	

CONOCO

Client Sample ID: MW-1

General Chemistry

Lot-Sample #...: B0I300142-001 Work Order #...: DLCTM Matrix.....: WATER
Date Sampled...: 09/28/00 Date Received..: 09/30/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	7.1	0.10	No Units	MCAWW 150.1	09/30/00	0276315
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Alkalinity as CaCO3 to pH 4.5	454	5.0	mg/L	MCAWW 310.1	10/02/00	0276281
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Bicarbonate Alkalinity	454	5.0	mg/L	MCAWW 310.1	10/02/00	0276294
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	10/02/00	0276296
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Chloride	176	10.0	mg/L	MCAWW 300.0A	09/30/00	0276186
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Fluoride	0.28	0.10	mg/L	MCAWW 340.2	10/11/00	0285184
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Nitrate as N	ND	5.0	mg/L	MCAWW 300.0A	09/30/00	0276188
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Specific Conductance	1530	2.0	umhos/cm	MCAWW 120.1	10/05/00	0280128
		Dilution Factor: 2		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Sulfate	56.7	10.0	mg/L	MCAWW 300.0A	09/30/00	0276189
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Total Dissolved Solids	740	40.0	mg/L	MCAWW 160.1	10/04-10/05/00	0283153
		Dilution Factor: 4		Initial Wgt/Vol: 100 mL	Final Wgt/Vol..: 0	

CONOCO

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...: B0I300142-002	**Work Order #...:** DLCTP101	**Matrix.....:** WATER	
Date Sampled...: 09/28/00	**Date Received..:** 09/30/00		
Prep Date.....: 10/06/00	**Analysis Date..:** 10/06/00		
Prep Batch #...: 0280385			
Dilution Factor: 750	**Initial Wgt/Vol:** 0.333 mL	**Final Wgt/Vol..:** 25 mL	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**15000**	**750**	**ug/L**
Bromobenzene	ND	750	ug/L
Bromochloromethane	ND	750	ug/L
Bromodichloromethane	ND	750	ug/L
Bromoform	ND	750	ug/L
Bromomethane	ND	750	ug/L
n-Butylbenzene	ND	750	ug/L
sec-Butylbenzene	ND	750	ug/L
tert-Butylbenzene	ND	750	ug/L
Carbon tetrachloride	ND	750	ug/L
Chlorobenzene	ND	750	ug/L
Chlorodibromomethane	ND	750	ug/L
Chloroethane	ND	750	ug/L
Chloroform	ND	750	ug/L
Chloromethane	ND	750	ug/L
2-Chlorotoluene	ND	750	ug/L
4-Chlorotoluene	ND	750	ug/L
1,2-Dibromo-3-chloro-propane	ND	1500	ug/L
1,2-Dibromoethane	ND	750	ug/L
Dibromomethane	ND	750	ug/L
1,2-Dichlorobenzene	ND	750	ug/L
1,3-Dichlorobenzene	ND	750	ug/L
1,4-Dichlorobenzene	ND	750	ug/L
Dichlorodifluoromethane	ND	750	ug/L
1,1-Dichloroethane	ND	750	ug/L
1,2-Dichloroethane	ND	750	ug/L
1,1-Dichloroethene	ND	750	ug/L
cis-1,2-Dichloroethene	ND	750	ug/L
trans-1,2-Dichloroethene	ND	750	ug/L
1,2-Dichloropropane	ND	750	ug/L
1,3-Dichloropropane	ND	750	ug/L
2,2-Dichloropropane	ND	750	ug/L
1,1-Dichloropropene	ND	750	ug/L
Ethylbenzene	ND	750	ug/L
Hexachlorobutadiene	ND	750	ug/L
Isopropylbenzene	ND	750	ug/L
p-Isopropyltoluene	ND	750	ug/L

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CONOCO

Client Sample ID: **MW-2**

GC/MS Volatiles

Lot-Sample #...: B0I300142-002 **Work Order #...:** DLCTP101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1500	ug/L
Naphthalene	ND	750	ug/L
n-Propylbenzene	ND	750	ug/L
Styrene	ND	750	ug/L
1,1,1,2-Tetrachloroethane	ND	750	ug/L
1,1,2,2-Tetrachloroethane	ND	750	ug/L
Tetrachloroethene	ND	750	ug/L
Toluene	**4700**	**750**	**ug/L**
1,2,3-Trichlorobenzene	ND	750	ug/L
1,2,4-Trichloro-benzene	ND	750	ug/L
1,1,1-Trichloroethane	ND	750	ug/L
1,1,2-Trichloroethane	ND	750	ug/L
Trichloroethene	ND	750	ug/L
Trichlorofluoromethane	ND	750	ug/L
1,2,3-Trichloropropane	ND	750	ug/L
1,2,4-Trimethylbenzene	ND	750	ug/L
1,3,5-Trimethylbenzene	ND	750	ug/L
Vinyl chloride	ND	750	ug/L
o-Xylene	ND	750	ug/L
m-Xylene & p-Xylene	ND	750	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(80 - 120)
1,2-Dichloroethane-d4	102	(77 - 131)
Toluene-d8	102	(80 - 120)
Dibromofluoromethane	102	(80 - 125)

CONOCO

Client Sample ID: MW-2

GC/MS Semivolatiles

Lot-Sample #...:	B0I300142-002	**Work Order #...:**	DLCTP102	**Matrix.....:**	WATER
Date Sampled...:	09/28/00	**Date Received..:**	09/30/00		
Prep Date.....:	10/02/00	**Analysis Date..:**	10/03/00		
Prep Batch #...:	0276511				
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	1 mL
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
Carbazole	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L

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CONOCO

Client Sample ID: MW-2

GC/MS Semivolatiles

ot-Sample #...: B0I300142-002 Work Order #...: DLCTP102 Matrix.....: WATER

ARAMETER	RESULT	REPORTING LIMIT	UNITS
,6-Dinitro-2-methylphenol	ND	50	ug/L
,4-Dinitrophenol	ND	50	ug/L
,4-Dinitrotoluene	ND	10	ug/L
,6-Dinitrotoluene	ND	10	ug/L
i-n-octyl phthalate	ND	10	ug/L
luoranthene	ND	10	ug/L
luorene	ND	10	ug/L
exachlorobenzene	ND	10	ug/L
exachlorobutadiene	ND	10	ug/L
exachlorocyclopenta-diene	ND	10	ug/L
exachloroethane	ND	10	ug/L
ndeno(1,2,3-cd)pyrene	ND	10	ug/L
sophorone	ND	10	ug/L
-Methylnaphthalene	**48**	**10**	**ug/L**
-Methylphenol	**14**	**10**	**ug/L**
-Methylphenol & 4-Methylphenol	ND	20	ug/L
aphthalene	**30**	**10**	**ug/L**
-Nitroaniline	ND	50	ug/L
-Nitroaniline	ND	50	ug/L
-Nitroaniline	ND	50	ug/L
itrobenzene	ND	10	ug/L
-Nitrophenol	ND	10	ug/L
-Nitrophenol	ND	50	ug/L
-Nitrosodiphenylamine	ND	10	ug/L
-Nitrosodi-n-propyl-amine	ND	10	ug/L
entachlorophenol	ND	50	ug/L
henanthrene	ND	10	ug/L
henol	**25**	**10**	**ug/L**
yrene	ND	10	ug/L
,2,4-Trichloro-benzene	ND	10	ug/L
,4,5-Trichloro-phenol	ND	10	ug/L
,4,6-Trichloro-phenol	ND	10	ug/L

(Continued on next page)

CONOCO

Client Sample ID: MW-2

GC/MS Semivolatiles

Lot-Sample #...: B0I300142-002 **Work Order #...:** DLCTP102 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	117	(30 - 120)
2-Fluorobiphenyl	80	(28 - 120)
2-Fluorophenol	65	(10 - 120)
Nitrobenzene-d5	85	(30 - 120)
Phenol-d5	41	(10 - 120)
Terphenyl-d14	111	(17 - 120)

CONOCO

Client Sample ID: MW-2

TOTAL Metals

Lot-Sample #...: B0I300142-002 Matrix.....: WATER
Date Sampled...: 09/28/00 Date Received..: 09/30/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285321						
Mercury	ND	0.20	ug/L	SW846 7470A	10/11/00	DLCTP114
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Prep Batch #...: 0285329						
Arsenic	**0.11**	**0.0050**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTP104**
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Lead	**0.092**	**0.0060**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTP105**
		Dilution Factor: 2		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Barium	**3.1**	**0.10**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTP10C**
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Selenium	ND	0.010	mg/L	SW846 6010B	10/11/00	DLCTP106
		Dilution Factor: 2		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Cadmium	ND	0.0050	mg/L	SW846 6010B	10/11/00	DLCTP10E
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Chromium	**0.12**	**0.020**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTP10G**
		Dilution Factor: 2		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Silver	ND	0.010	mg/L	SW846 6010B	10/11/00	DLCTP10U
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	

CONOCO

Client Sample ID: MW-2

General Chemistry

Lot-Sample #...: B0I300142-002 Work Order #...: DLCTP Matrix.....: WATER
Date Sampled...: 09/28/00 Date Received..: 09/30/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	7.3	0.10	No Units	MCAWW 150.1	09/30/00	0276315
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Alkalinity as CaCO3 to pH 4.5	345	5.0	mg/L	MCAWW 310.1	10/02/00	0276281
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Bicarbonate Alkalinity	345	5.0	mg/L	MCAWW 310.1	10/02/00	0276294
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	10/02/00	0276296
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Chloride	296	10.0	mg/L	MCAWW 300.0A	09/30/00	0276186
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Fluoride	0.21	0.10	mg/L	MCAWW 340.2	10/11/00	0285184
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Nitrate as N	ND	5.0	mg/L	MCAWW 300.0A	09/30/00	0276188
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Specific Conductance	1690	2.0	umhos/cm	MCAWW 120.1	10/05/00	0280128
		Dilution Factor: 2		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Sulfate	35.7	10.0	mg/L	MCAWW 300.0A	09/30/00	0276189
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Total Dissolved Solids	1200	40.0	mg/L	MCAWW 160.1	10/04-10/05/00	0283153
		Dilution Factor: 4		Initial Wgt/Vol: 100 mL	Final Wgt/Vol..: 0	

CONOCO

Client Sample ID: MW-3

GC/MS Volatiles

Lot-Sample #...: B0I300142-003 **Work Order #...:** DLCTQ101 **Matrix.....:** WATER
Date Sampled...: 09/28/00 **Date Received..:** 09/30/00
Prep Date.....: 10/06/00 **Analysis Date..:** 10/06/00
Prep Batch #...: 0280385
Dilution Factor: 1500 **Initial Wgt/Vol:** 0.0167 m **Final Wgt/Vol..:** 25 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**30000**	**1500**	**ug/L**
Bromobenzene	ND	1500	ug/L
Bromochloromethane	ND	1500	ug/L
Bromodichloromethane	ND	1500	ug/L
Bromoform	ND	1500	ug/L
Bromomethane	ND	1500	ug/L
n-Butylbenzene	ND	1500	ug/L
sec-Butylbenzene	ND	1500	ug/L
tert-Butylbenzene	ND	1500	ug/L
Carbon tetrachloride	ND	1500	ug/L
Chlorobenzene	ND	1500	ug/L
Chlorodibromomethane	ND	1500	ug/L
Chloroethane	ND	1500	ug/L
Chloroform	ND	1500	ug/L
Chloromethane	ND	1500	ug/L
2-Chlorotoluene	ND	1500	ug/L
4-Chlorotoluene	ND	1500	ug/L
1,2-Dibromo-3-chloro-propane	ND	3000	ug/L
1,2-Dibromoethane	ND	1500	ug/L
Dibromomethane	ND	1500	ug/L
1,2-Dichlorobenzene	ND	1500	ug/L
1,3-Dichlorobenzene	ND	1500	ug/L
1,4-Dichlorobenzene	ND	1500	ug/L
Dichlorodifluoromethane	ND	1500	ug/L
1,1-Dichloroethane	ND	1500	ug/L
1,2-Dichloroethane	ND	1500	ug/L
1,1-Dichloroethene	ND	1500	ug/L
cis-1,2-Dichloroethene	ND	1500	ug/L
trans-1,2-Dichloroethene	ND	1500	ug/L
1,2-Dichloropropane	ND	1500	ug/L
1,3-Dichloropropane	ND	1500	ug/L
2,2-Dichloropropane	ND	1500	ug/L
1,1-Dichloropropene	ND	1500	ug/L
Ethylbenzene	ND	1500	ug/L
Hexachlorobutadiene	ND	1500	ug/L
Isopropylbenzene	ND	1500	ug/L
p-Isopropyltoluene	ND	1500	ug/L

(Continued on next page)

CONOCO

Client Sample ID: MW-3

GC/MS Volatiles

Lot-Sample #...: B0I300142-003 **Work Order #...:** DLCTQ101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	3000	ug/L
Naphthalene	ND	1500	ug/L
n-Propylbenzene	ND	1500	ug/L
Styrene	ND	1500	ug/L
1,1,1,2-Tetrachloroethane	ND	1500	ug/L
1,1,2,2-Tetrachloroethane	ND	1500	ug/L
Tetrachloroethene	ND	1500	ug/L
Toluene	**5000**	**1500**	**ug/L**
1,2,3-Trichlorobenzene	ND	1500	ug/L
1,2,4-Trichloro-benzene	ND	1500	ug/L
1,1,1-Trichloroethane	ND	1500	ug/L
1,1,2-Trichloroethane	ND	1500	ug/L
Trichloroethene	ND	1500	ug/L
Trichlorofluoromethane	ND	1500	ug/L
1,2,3-Trichloropropane	ND	1500	ug/L
1,2,4-Trimethylbenzene	ND	1500	ug/L
1,3,5-Trimethylbenzene	ND	1500	ug/L
Vinyl chloride	ND	1500	ug/L
o-Xylene	ND	1500	ug/L
m-Xylene & p-Xylene	ND	1500	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(80 - 120)
1,2-Dichloroethane-d4	103	(77 - 131)
Toluene-d8	102	(80 - 120)
Dibromofluoromethane	103	(80 - 125)

CONOCO

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #...: B0I300142-003	**Work Order #...:** DLCTQ102	**Matrix.....:** WATER	
Date Sampled...: 09/28/00	**Date Received..:** 09/30/00		
Prep Date.....: 10/02/00	**Analysis Date..:** 10/03/00		
Prep Batch #...: 0276511			
Dilution Factor: 1	**Initial Wgt/Vol:** 1000 mL	**Final Wgt/Vol..:** 1 mL	
	Method.....: SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
Carbazole	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L

(Continued on next page)

CONOCO

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #...: B0I300142-003 Work Order #...: DLCTQ102 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Methylnaphthalene	**53**	**10**	**ug/L**
2-Methylphenol	ND	10	ug/L
3-Methylphenol & 4-Methylphenol	ND	20	ug/L
Naphthalene	**34**	**10**	**ug/L**
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Phenol	**40**	**10**	**ug/L**
Pyrene	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L

(Continued on next page)

CONOCO

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #...: B0I300142-003 Work Order #...: DLCTQ102 Matrix.....: WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	126 *	(30 - 120)
2-Fluorobiphenyl	90	(28 - 120)
2-Fluorophenol	39	(10 - 120)
Nitrobenzene-d5	89	(30 - 120)
Phenol-d5	29	(10 - 120)
Terphenyl-d14	107	(17 - 120)

NOTE(S):

* Surrogate recovery is outside stated control limits.

CONOCO

Client Sample ID: MW-3

TOTAL Metals

Lot-Sample #...: B0I300142-003 **Matrix.....:** WATER
Date Sampled...: 09/28/00 **Date Received..:** 09/30/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285321						
Mercury	ND	0.20	ug/L	SW846 7470A	10/11/00	DLCTQ114
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Prep Batch #...: 0285329						
Arsenic	**0.16**	**0.0050**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTQ104**
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Lead	**0.088**	**0.0060**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTQ105**
		Dilution Factor: 2		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Barium	**4.3**	**0.10**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTQ10C**
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Selenium	ND	0.010	mg/L	SW846 6010B	10/11/00	DLCTQ106
		Dilution Factor: 2		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Cadmium	ND	0.0050	mg/L	SW846 6010B	10/11/00	DLCTQ10E
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Chromium	**0.16**	**0.020**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTQ10G**
		Dilution Factor: 2		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Silver	ND	0.010	mg/L	SW846 6010B	10/11/00	DLCTQ10U
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	

CONOCO

Client Sample ID: MW-3

General Chemistry

Lot-Sample #...: B0I300142-003 Work Order #...: DLCTQ Matrix.....: WATER
Date Sampled...: 09/28/00 Date Received..: 09/30/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	7.3	0.10	No Units	MCAWW 150.1	09/30/00	0276315
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Alkalinity as CaCO3 to pH 4.5	383	5.0	mg/L	MCAWW 310.1	10/02/00	0276281
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Bicarbonate Alkalinity	382	5.0	mg/L	MCAWW 310.1	10/02/00	0276294
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	10/02/00	0276296
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Chloride	554	20.0	mg/L	MCAWW 300.0A	10/02-10/03/00	0277169
		Dilution Factor: 20		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Fluoride	0.15	0.10	mg/L	MCAWW 340.2	10/11/00	0285184
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Nitrate as N	ND	5.0	mg/L	MCAWW 300.0A	09/30/00	0276188
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Specific Conductance	2530	2.0	umhos/cm	MCAWW 120.1	10/05/00	0280128
		Dilution Factor: 2		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Sulfate	67.8	10.0	mg/L	MCAWW 300.0A	09/30/00	0276189
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Total Dissolved Solids	1520	10.0	mg/L	MCAWW 160.1	10/04-10/05/00	0283153
		Dilution Factor: 1		Initial Wgt/Vol: 100 mL	Final Wgt/Vol..: 0	

CONOCO

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...:	B0I300142-004	**Work Order #...:**	DLCTT101	**Matrix.....:**	WATER
Date Sampled...:	09/28/00	**Date Received..:**	09/30/00		
Prep Date.....:	10/06/00	**Analysis Date..:**	10/06/00		
Prep Batch #...:	0280385				
Dilution Factor:	1	**Initial Wgt/Vol:**	25 mL	**Final Wgt/Vol..:**	25 mL
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**350 E**	**1.0**	**ug/L**
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	**1.0**	**1.0**	**ug/L**
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	**26 E**	**1.0**	**ug/L**
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	**2.2**	**1.0**	**ug/L**
p-Isopropyltoluene	ND	1.0	ug/L

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CONOCO

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...: B0I300142-004 Work Order #...: DLCTT101 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	2.0	ug/L
Naphthalene	**1.4**	**1.0**	**ug/L**
n-Propylbenzene	**1.5**	**1.0**	**ug/L**
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	**2.6**	**1.0**	**ug/L**
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	**8.6**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(80 - 120)
1,2-Dichloroethane-d4	105	(77 - 131)
Toluene-d8	99	(80 - 120)
Dibromofluoromethane	101	(80 - 125)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

CONOCO

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...:	B0I300142-004	**Work Order #...:**	DLCTT201	**Matrix.....:**	WATER
Date Sampled...:	09/28/00	**Date Received..:**	09/30/00		
Prep Date.....:	10/06/00	**Analysis Date..:**	10/06/00		
Prep Batch #...:	0280385				
Dilution Factor:	50	**Initial Wgt/Vol:**	0.5 mL	**Final Wgt/Vol..:**	25 mL
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**880**	**50**	**ug/L**
Ethylbenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(80 - 120)
1,2-Dichloroethane-d4	102	(77 - 131)
Toluene-d8	101	(80 - 120)
Dibromofluoromethane	99	(80 - 125)

CONOCO

Client Sample ID: MW-4

GC/MS Semivolatiles

Lot-Sample #...: B0I300142-004 **Work Order #...:** DLCTT102 **Matrix.....:** WATER
Date Sampled...: 09/28/00 **Date Received..:** 09/30/00
Prep Date.....: 10/02/00 **Analysis Date..:** 10/03/00
Prep Batch #...: 0276511
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 1 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Anthracene	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
Carbazole	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L

(Continued on next page)

CONOCO

Client Sample ID: MW-4

GC/MS Semivolatiles

Lot-Sample #...: B0I300142-004 **Work Order #...:** DLCTT102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol & 4-Methylphenol	ND	20	ug/L
Naphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
Pyrene	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L

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CONOCO

Client Sample ID: MW-4

GC/MS Semivolatiles

Lot-Sample #...: B0I300142-004 Work Order #...: DLCTT102 Matrix.....: WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	121 *	(30 - 120)
2-Fluorobiphenyl	88	(28 - 120)
2-Fluorophenol	47	(10 - 120)
Nitrobenzene-d5	83	(30 - 120)
Phenol-d5	33	(10 - 120)
Terphenyl-d14	108	(17 - 120)

NOTE(S):

* Surrogate recovery is outside stated control limits.

CONOCO

Client Sample ID: MW-4

TOTAL Metals

Lot-Sample #...: B0I300142-004 Matrix.....: WATER
Date Sampled...: 09/28/00 Date Received..: 09/30/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0285321						
Mercury	ND	0.20	ug/L	SW846 7470A	10/11/00	DLCTT114
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Prep Batch #...: 0285329						
Arsenic	**0.13**	**0.0050**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTT104**
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Lead	**0.067**	**0.0030**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTT105**
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Barium	**0.58**	**0.10**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTT10C**
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Selenium	ND	0.0050	mg/L	SW846 6010B	10/11/00	DLCTT106
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Cadmium	ND	0.0050	mg/L	SW846 6010B	10/11/00	DLCTT10E
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Chromium	**0.033**	**0.010**	**mg/L**	**SW846 6010B**	**10/11/00**	**DLCTT10G**
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Silver	ND	0.010	mg/L	SW846 6010B	10/11/00	DLCTT10U
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	

CONOCO

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: B0I300142-004 Work Order #...: DLCTT Matrix.....: WATER
Date Sampled...: 09/28/00 Date Received..: 09/30/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	7.3	0.10	No Units	MCAWW 150.1	09/30/00	0276315
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Alkalinity as CaCO3 to pH 4.5	461	5.0	mg/L	MCAWW 310.1	10/02/00	0276281
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Bicarbonate Alkalinity	460	5.0	mg/L	MCAWW 310.1	10/02/00	0276294
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	10/02/00	0276296
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Chloride	175	10.0	mg/L	MCAWW 300.0A	09/30/00	0276186
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Fluoride	0.20	0.10	mg/L	MCAWW 340.2	10/11/00	0285184
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Nitrate as N	ND	5.0	mg/L	MCAWW 300.0A	09/30/00	0276188
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Specific Conductance	1570	2.0	umhos/cm	MCAWW 120.1	10/05/00	0280128
		Dilution Factor: 2		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Sulfate	56.3	10.0	mg/L	MCAWW 300.0A	09/30/00	0276189
		Dilution Factor: 10		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Total Dissolved Solids	684	40.0	mg/L	MCAWW 160.1	10/04-10/05/00	0283153
		Dilution Factor: 4		Initial Wgt/Vol: 100 mL	Final Wgt/Vol..: 0	

CONOCO

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: B0I300142-005	**Work Order #...:** DLCTW101	**Matrix.....:** WATER	
Date Sampled...: 09/28/00	**Date Received..:** 09/30/00		
Prep Date.....: 10/06/00	**Analysis Date..:** 10/06/00		
Prep Batch #...: 0280385			
Dilution Factor: 1	**Initial Wgt/Vol:** 25 mL	**Final Wgt/Vol..:** 25 mL	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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CONOCO

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: B0I300142-005 **Work Order #...:** DLCTW101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	2.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
o-Xylene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(80 - 120)
1,2-Dichloroethane-d4	104	(77 - 131)
Toluene-d8	100	(80 - 120)
Dibromofluoromethane	104	(80 - 125)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: B0I300142 **Work Order #...:** DLP6D101 **Matrix.....:** WATER
MB Lot-Sample #: B0J060000-385

Prep Date.....: 10/06/00 **Final Wgt/Vol..:** 25 mL
Analysis Date..: 10/06/00 **Prep Batch #...:** 0280385
Dilution Factor: 1 **Initial Wgt/Vol:** 25 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	2.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: B0I300142 **Work Order #...:** DLP6D101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(80 - 120)
1,2-Dichloroethane-d4	102	(77 - 131)
Toluene-d8	101	(80 - 120)
Dibromofluoromethane	101	(80 - 125)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: B0I300142 **Work Order #...:** DLTKQ101 **Matrix.....:** WATER
MB Lot-Sample #: B0J100000-160

Prep Date.....: 10/09/00 **Final Wgt/Vol..:** 25 mL
Analysis Date..: 10/09/00 **Prep Batch #...:** 0284160
Dilution Factor: 1 **Initial Wgt/Vol:** 25 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	2.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: B0I300142 **Work Order #...:** DLTKQ101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(80 - 120)
1,2-Dichloroethane-d4	102	(77 - 131)
Toluene-d8	102	(80 - 120)
Dibromofluoromethane	101	(80 - 125)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: B0I300142 **Work Order #...:** DLEMX103 **Matrix.....:** WATER
MB Lot-Sample #: B0J020000-511

Prep Date.....: 10/02/00 **Final Wgt/Vol..:** 1 mL
Analysis Date..: 10/03/00 **Prep Batch #...:** 0276511
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)- ether	ND	10	ug/L	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
Carbazole	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
4,6-Dinitro- 2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: B0I300142 **Work Order #...:** DLEMX103 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	72	(30 - 120)
2-Fluorobiphenyl	60	(28 - 120)
2-Fluorophenol	37	(10 - 120)
Nitrobenzene-d5	66	(30 - 120)
Phenol-d5	27	(10 - 120)
Terphenyl-d14	80	(17 - 120)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: B0I300142 Work Order #...: DLEMX103 Matrix.....: WATER

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: B0I300142 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: B0J110000-321 **Prep Batch #...:** 0285321						
Mercury	ND	0.20	ug/L	SW846 7470A	10/11/00	DLX8F101
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
MB Lot-Sample #: B0J110000-329 **Prep Batch #...:** 0285329						
Arsenic	ND	0.0050	mg/L	SW846 6010B	10/11/00	DLX9610C
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Lead	ND	0.0030	mg/L	SW846 6010B	10/11/00	DLX9610D
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Barium	ND	0.10	mg/L	SW846 6010B	10/11/00	DLX9610J
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Selenium	ND	0.0050	mg/L	SW846 6010B	10/11/00	DLX9610E
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Cadmium	ND	0.0050	mg/L	SW846 6010B	10/11/00	DLX9610L
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Chromium	ND	0.010	mg/L	SW846 6010B	10/11/00	DLX9610N
		Dilution Factor: 1		Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Silver	ND	0.010	mg/L	SW846 6010B	10/11/00	DLX96107
		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 #...: B0I300142 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH		Work Order #: DLE1D101		MB Lot-Sample #:	B0J020000-281	
	ND	5.0	mg/L	MCAWW 310.1	10/02/00	0276281
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Chloride		Work Order #: DLDK6101		MB Lot-Sample #:	B0J020000-186	
	ND	1.0	mg/L	MCAWW 300.0A	09/30/00	0276186
		Dilution Factor: 1		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Chloride		Work Order #: DLET4101		MB Lot-Sample #:	B0J030000-169	
	ND	1.0	mg/L	MCAWW 300.0A	10/02/00	0277169
		Dilution Factor: 1		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Fluoride		Work Order #: DLWQQ101		MB Lot-Sample #:	B0J110000-184	
	ND	0.10	mg/L	MCAWW 340.2	10/11/00	0285184
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Nitrate as N		Work Order #: DLDK7101		MB Lot-Sample #:	B0J020000-188	
	ND	0.50	mg/L	MCAWW 300.0A	09/30/00	0276188
		Dilution Factor: 1		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Specific Conductance		Work Order #: DLMAJ101		MB Lot-Sample #:	B0J060000-128	
	ND	1.0	umhos/cm	MCAWW 120.1	10/05/00	0280128
		Dilution Factor: 1		Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Sulfate		Work Order #: DLDK8101		MB Lot-Sample #:	B0J020000-189	
	ND	1.0	mg/L	MCAWW 300.0A	09/30/00	0276189
		Dilution Factor: 1		Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Total Dissolved Solids		Work Order #: DLR4H101		MB Lot-Sample #:	B0J090000-153	
	ND	10.0	mg/L	MCAWW 160.1	10/04-10/05/00	0283153
		Dilution Factor: 1		Initial Wgt/Vol: 100 mL	Final Wgt/Vol..: 0	

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 #...: B0I300142 **Work Order #...:** DLP6D102 **Matrix.....:** WATER
LCS Lot-Sample#: B0J060000-385
Prep Date.....: 10/06/00 **Analysis Date..:** 10/06/00
Prep Batch #...: 0280385
Dilution Factor: 1 **Final Wgt/Vol..:** 25 mL
Initial Wgt/Vol: 25 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**99**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**97**	**(74 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**102**	**(71 - 120)**	**SW846 8260B**
Toluene	**98**	**(61 - 130)**	**SW846 8260B**
Trichloroethene	**97**	**(71 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(80 - 120)
1,2-Dichloroethane-d4	104	(77 - 131)
Toluene-d8	103	(80 - 120)
Dibromofluoromethane	103	(80 - 125)

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 #...: B0I300142 **Work Order #...:** DLTKQ102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: B0J100000-160 DLTKQ103-LCSD
Prep Date.....: 10/09/00 **Analysis Date..:** 10/09/00
Prep Batch #...: 0284160
Dilution Factor: 1 **Final Wgt/Vol..:** 25 mL
Initial Wgt/Vol: 25 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**92**	**(75 - 120)**			**SW846 8260B**
	92	**(75 - 120)**	**0.19**	**(0-24)**	**SW846 8260B**
Chlorobenzene	**90**	**(74 - 120)**			**SW846 8260B**
	90	**(74 - 120)**	**0.11**	**(0-22)**	**SW846 8260B**
1,1-Dichloroethene	**99**	**(71 - 120)**			**SW846 8260B**
	95	**(71 - 120)**	**3.7**	**(0-27)**	**SW846 8260B**
Toluene	**91**	**(61 - 130)**			**SW846 8260B**
	91	**(61 - 130)**	**0.35**	**(0-23)**	**SW846 8260B**
Trichloroethene	**90**	**(71 - 120)**			**SW846 8260B**
	90	**(71 - 120)**	**0.51**	**(0-22)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(80 - 120)
	101	(80 - 120)
1,2-Dichloroethane-d4	103	(77 - 131)
	103	(77 - 131)
Toluene-d8	105	(80 - 120)
	105	(80 - 120)
Dibromofluoromethane	103	(80 - 125)
	104	(80 - 125)

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 Semivolatiles

Client Lot #...: B0I300142 **Work Order #...:** DLEMX102 **Matrix.....:** WATER
LCS Lot-Sample#: B0J020000-511
Prep Date.....: 10/02/00 **Analysis Date..:** 10/03/00
Prep Batch #...: 0276511
Dilution Factor: 1 **Final Wgt/Vol..:** 1 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**64**	**(48 - 120)**	**SW846 8270C**
4-Chloro-3-methylphenol	**69**	**(47 - 120)**	**SW846 8270C**
2-Chlorophenol	**51**	**(37 - 120)**	**SW846 8270C**
1,4-Dichlorobenzene	**47**	**(36 - 120)**	**SW846 8270C**
2,4-Dinitrotoluene	**67**	**(50 - 121)**	**SW846 8270C**
4-Nitrophenol	**38**	**(21 - 120)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**60**	**(42 - 120)**	**SW846 8270C**
Pentachlorophenol	**74**	**(41 - 120)**	**SW846 8270C**
Phenol	**30**	**(14 - 120)**	**SW846 8270C**
Pyrene	**83**	**(51 - 120)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**52**	**(38 - 120)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	83	(30 - 120)
2-Fluorobiphenyl	65	(28 - 120)
2-Fluorophenol	38	(10 - 120)
Nitrobenzene-d5	60	(30 - 120)
Phenol-d5	28	(10 - 120)
Terphenyl-d14	84	(17 - 120)

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 #...: B0I300142 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: B0J110000-321 **Prep Batch #...:** 0285321					
Mercury	103	(90 - 110)	SW846 7470A	10/11/00	DLX8F102
		Dilution Factor: 1	Initial Wgt/Vol: 0		Final Wgt/Vol..: 0
LCS Lot-Sample#: B0J110000-329 **Prep Batch #...:** 0285329					
Arsenic	106	(85 - 115)	SW846 6010B	10/11/00	DLX96113
		Dilution Factor: 1	Initial Wgt/Vol: 0		Final Wgt/Vol..: 0
Lead	111	(85 - 115)	SW846 6010B	10/11/00	DLX96114
		Dilution Factor: 1	Initial Wgt/Vol: 0		Final Wgt/Vol..: 0
Selenium	102	(85 - 115)	SW846 6010B	10/11/00	DLX96115
		Dilution Factor: 1	Initial Wgt/Vol: 0		Final Wgt/Vol..: 0
Barium	109	(85 - 115)	SW846 6010B	10/11/00	DLX96119
		Dilution Factor: 1	Initial Wgt/Vol: 0		Final Wgt/Vol..: 0
Cadmium	107	(85 - 115)	SW846 6010B	10/11/00	DLX9611C
		Dilution Factor: 1	Initial Wgt/Vol: 0		Final Wgt/Vol..: 0
Chromium	104	(85 - 115)	SW846 6010B	10/11/00	DLX9611E
		Dilution Factor: 1	Initial Wgt/Vol: 0		Final Wgt/Vol..: 0
Silver	101	(85 - 115)	SW846 6010B	10/11/00	DLX9610X
		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 #...: B0I300142 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)		WO#:DLE4Q101-LCS/DLE4Q102-LCSD LCS Lot-Sample#: B0J020000-315					
	100	(99 - 101)			MCAWW 150.1	09/30/00	0276315
	99	(99 - 101)	0.28	(0-20)	MCAWW 150.1	09/30/00	0276315
		Dilution Factor: 1			Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Alkalinity as CaCO3 to pH		WO#:DLE1D102-LCS/DLE1D103-LCSD LCS Lot-Sample#: B0J020000-281					
	101	(90 - 110)			MCAWW 310.1	10/02/00	0276281
	100	(90 - 110)	1.0	(0-20)	MCAWW 310.1	10/02/00	0276281
		Dilution Factor: 1			Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Chloride		WO#:DLDK6102-LCS/DLDK6103-LCSD LCS Lot-Sample#: B0J020000-186					
	95	(85 - 110)			MCAWW 300.0A	09/30/00	0276186
	95	(85 - 110)	0.21	(0-10)	MCAWW 300.0A	09/30/00	0276186
		Dilution Factor: 1			Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Chloride		WO#:DLET4102-LCS/DLET4103-LCSD LCS Lot-Sample#: B0J030000-169					
	95	(85 - 110)			MCAWW 300.0A	10/02/00	0277169
	95	(85 - 110)	0.20	(0-10)	MCAWW 300.0A	10/02/00	0277169
		Dilution Factor: 1			Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Fluoride		WO#:DLWQQ102-LCS/DLWQQ103-LCSD LCS Lot-Sample#: B0J110000-184					
	100	(90 - 110)			MCAWW 340.2	10/11/00	0285184
	102	(90 - 110)	2.0	(0-10)	MCAWW 340.2	10/11/00	0285184
		Dilution Factor: 1			Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Nitrate as N		WO#:DLDK7102-LCS/DLDK7103-LCSD LCS Lot-Sample#: B0J020000-188					
	97	(90 - 110)			MCAWW 300.0A	09/30/00	0276188
	97	(90 - 110)	0.0	(0-11)	MCAWW 300.0A	09/30/00	0276188
		Dilution Factor: 1			Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Specific Conductance		WO#:DLMAJ102-LCS/DLMAJ103-LCSD LCS Lot-Sample#: B0J060000-128					
	96	(90 - 110)			MCAWW 120.1	10/05/00	0280128
	99	(90 - 110)	3.4	(0-10)	MCAWW 120.1	10/05/00	0280128
		Dilution Factor: 1			Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Sulfate		WO#:DLDK8102-LCS/DLDK8103-LCSD LCS Lot-Sample#: B0J020000-189					
	98	(82 - 115)			MCAWW 300.0A	09/30/00	0276189
	98	(82 - 115)	0.20	(0-10)	MCAWW 300.0A	09/30/00	0276189
		Dilution Factor: 1			Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: B0I300142 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	WO#:DLR4H102-LCS/DLR4H103-LCSD					LCS Lot-Sample#: B0J090000-153	
	96	(80 - 114)			MCAWW 160.1	10/04-10/05/00	0283153
	95	(80 - 114)	2.0	(0-10)	MCAWW 160.1	10/04-10/05/00	0283153

Dilution Factor: 1 Initial Wgt/Vol: 100 mL Final Wgt/Vol..: 0

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	B0I300142	**Work Order #...:**	DLD5E102-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	B0I300180-001		DLD5E103-MSD		
Date Sampled...:	09/29/00	**Date Received..:**	09/30/00		
Prep Date.....:	10/06/00	**Analysis Date..:**	10/06/00		
Prep Batch #...:	0280385				
Dilution Factor:	1	**Initial Wgt/Vol:**	25 mL	**Final Wgt/Vol..:**	25 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**92**	**(75 - 120)**			**SW846 8260B**
	94	**(75 - 120)**	**1.9**	**(0-24)**	**SW846 8260B**
Chlorobenzene	**89**	**(74 - 120)**			**SW846 8260B**
	93	**(74 - 120)**	**3.8**	**(0-22)**	**SW846 8260B**
1,1-Dichloroethene	**98**	**(71 - 120)**			**SW846 8260B**
	95	**(71 - 120)**	**2.5**	**(0-27)**	**SW846 8260B**
Toluene	**90**	**(61 - 130)**			**SW846 8260B**
	93	**(61 - 130)**	**2.5**	**(0-23)**	**SW846 8260B**
Trichloroethene	**91**	**(71 - 120)**			**SW846 8260B**
	92	**(71 - 120)**	**0.50**	**(0-22)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(80 - 120)
	103	(80 - 120)
1,2-Dichloroethane-d4	102	(77 - 131)
	96	(77 - 131)
Toluene-d8	103	(80 - 120)
	104	(80 - 120)
Dibromofluoromethane	104	(80 - 125)
	100	(80 - 125)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: B0I300142 Work Order #...: DLCJG110-MS Matrix.....: WATER
MS Lot-Sample #: B0I300109-001 DLCJG111-MSD
Date Sampled...: 09/28/00 Date Received..: 09/29/00
Prep Date.....: 10/02/00 Analysis Date..: 10/04/00
Prep Batch #...: 0276511
Dilution Factor: 1 Initial Wgt/Vol: 490 mL Final Wgt/Vol..: 1 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	84	(48 - 120)			SW846 8270C
	92	(48 - 120)	8.6	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	96	(47 - 120)			SW846 8270C
	105	(47 - 120)	9.2	(0-34)	SW846 8270C
2-Chlorophenol	74	(37 - 120)			SW846 8270C
	82	(37 - 120)	9.7	(0-36)	SW846 8270C
1,4-Dichlorobenzene	69	(36 - 120)			SW846 8270C
	75	(36 - 120)	9.3	(0-28)	SW846 8270C
2,4-Dinitrotoluene	95	(50 - 121)			SW846 8270C
	99	(50 - 121)	4.1	(0-28)	SW846 8270C
4-Nitrophenol	58	(21 - 120)			SW846 8270C
	65	(21 - 120)	11	(0-40)	SW846 8270C
N-Nitrosodi-n-propyl-amine	85	(42 - 120)			SW846 8270C
	95	(42 - 120)	10	(0-34)	SW846 8270C
Pentachlorophenol	119	(41 - 120)			SW846 8270C
	129 a	(41 - 120)	8.8	(0-34)	SW846 8270C
Phenol	41	(14 - 120)			SW846 8270C
	48	(14 - 120)	13	(0-43)	SW846 8270C
Pyrene	107	(51 - 120)			SW846 8270C
	117	(51 - 120)	9.1	(0-27)	SW846 8270C
1,2,4-Trichloro-benzene	71	(38 - 120)			SW846 8270C
	80	(38 - 120)	11	(0-29)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	111	(30 - 120)
	122 *	(30 - 120)
2-Fluorobiphenyl	79	(28 - 120)
	88	(28 - 120)
2-Fluorophenol	51	(10 - 120)
	58	(10 - 120)
Nitrobenzene-d5	78	(30 - 120)
	86	(30 - 120)
Phenol-d5	37	(10 - 120)
	42	(10 - 120)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: B0I300142 **Work Order #...:** DLCJG110-MS **Matrix.....:** WATER
MS Lot-Sample #: B0I300109-001 DLCJG111-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	94	(17 - 120)
	107	(17 - 120)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: B0I300142 **Matrix.....:** WATER
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 #: B0I290189-013 **Prep Batch #...:** 0285321							
Mercury	106	(66 - 128)			SW846 7470A	10/11/00	DL9E210R
	104	(66 - 128)	2.0	(0-17)	SW846 7470A	10/11/00	DL9E210T
		Dilution Factor: 1			Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
MS Lot-Sample #: B0I290189-013 **Prep Batch #...:** 0285329							
Arsenic	105	(85 - 115)			SW846 6010B	10/11/00	DL9E211H
	105	(85 - 115)	0.64	(0-10)	SW846 6010B	10/11/00	DL9E211J
		Dilution Factor: 1			Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Lead	108	(85 - 115)			SW846 6010B	10/11/00	DL9E211K
	110	(85 - 115)	2.7	(0-10)	SW846 6010B	10/11/00	DL9E211L
		Dilution Factor: 1			Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Barium	109	(85 - 115)			SW846 6010B	10/11/00	DL9E211W
	108	(85 - 115)	1.0	(0-10)	SW846 6010B	10/11/00	DL9E211X
		Dilution Factor: 1			Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Selenium	101	(85 - 115)			SW846 6010B	10/11/00	DL9E211M
	101	(85 - 115)	0.27	(0-10)	SW846 6010B	10/11/00	DL9E211N
		Dilution Factor: 1			Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Cadmium	105	(85 - 115)			SW846 6010B	10/11/00	DL9E2122
	107	(85 - 115)	1.4	(0-10)	SW846 6010B	10/11/00	DL9E2123
		Dilution Factor: 1			Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Chromium	102	(85 - 115)			SW846 6010B	10/11/00	DL9E2126
	104	(85 - 115)	1.3	(0-11)	SW846 6010B	10/11/00	DL9E2127
		Dilution Factor: 1			Initial Wgt/Vol: 0	Final Wgt/Vol..: 0	
Silver	101	(85 - 115)			SW846 6010B	10/11/00	DL9E2118
	101	(85 - 115)	0.36	(0-13)	SW846 6010B	10/11/00	DL9E2119
		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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: B0I300142 **Matrix.....:** WATER
Date Sampled...: 09/29/00 **Date Received..:** 09/29/00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Alkalinity as CaCO3 to pH	WO#: DLCTT11G-MS/DLCTT11H-MSD					MS Lot-Sample #:	B0I300142-004
	100	(90 - 110)			MCAWW 310.1	10/02/00	0276281
	101	(90 - 110)	0.18	(0-20)	MCAWW 310.1	10/02/00	0276281
	Dilution Factor: 1				Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Chloride	WO#: DLCKK118-MS/DLCKK119-MSD					MS Lot-Sample #:	B0I300112-004
	87	(85 - 110)			MCAWW 300.0A	09/30/00	0276186
	87	(85 - 110)	0.0	(0-10)	MCAWW 300.0A	09/30/00	0276186
	Dilution Factor: 5				Initial Wgt/Vol: 10 mL	Final Wgt/Vol..: 0	
Fluoride	WO#: DLCTT11K-MS/DLCTT11L-MSD					MS Lot-Sample #:	B0I300142-004
	102	(90 - 110)			MCAWW 340.2	10/11/00	0285184
	100	(90 - 110)	1.4	(0-10)	MCAWW 340.2	10/11/00	0285184
	Dilution Factor: 1				Initial Wgt/Vol: 50 mL	Final Wgt/Vol..: 0	
Nitrate as N	WO#: DLCKK116-MS/DLCKK117-MSD					MS Lot-Sample #:	B0I300112-004
	89 N	(90 - 110)			MCAWW 300.0A	09/30/00	0276188
	88 N	(90 - 110)	0.56	(0-11)	MCAWW 300.0A	09/30/00	0276188
	Dilution Factor: 1				Initial Wgt/Vol: 10 mL	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.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: B0I300142 **Work Order #...:** DLCKR-SMP DLCKR-DUP **Matrix.....:** WATER

Date Sampled...: 09/29/00 **Date Received..:** 09/29/00

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)						SD Lot-Sample #: B0I300112-008		
	7.0	7.0	No Units	0.0	(0-20)	MCAWW 150.1	09/30/00	0276315

Dilution Factor: 1 Initial Wgt/Vol: Final Wgt/Vol..: 0

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: B0I300142 **Work Order #...:** DLCTT-SMP DLCTT-DUP **Matrix.....:** WATER

Date Sampled...: 09/28/00 **Date Received..:** 09/30/00

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: B0I300142-004		
	684	684	mg/L	0.0	(0-10)	MCAWW 160.1	10/04-10/05/00	0283153

Dilution Factor: 4 Initial Wgt/Vol: 100 mL Final Wgt/Vol..: 0

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: B0I300142 **Work Order #...:** DLE8T-SMP DLE8T-DUP **Matrix.....:** WATER

Date Sampled...: 10/02/00 **Date Received..:** 10/02/00

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #: B0J020174-001		
	1120	1130	umhos/cm	1.5	(0-10)	MCAWW 120.1	10/05/00	0280128

Dilution Factor: 1 Initial Wgt/Vol: 50 mL Final Wgt/Vol..: 0

SEVERN TRENT LABS

TAMPA LABORATORY
CONDITION UPON RECEIPT FORM

Client (name or ID): Maxim — Project name: MAI Jamar Gas Plant
Date received: 9/30/00 — Lot number:
Received by: Carol McNulty — CUR 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)	4°				
Cooler ID/Track #					
Temp (°C)	4°				

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

Comments:

ADDED Sample Date to MW-3, MW-4 dk per Tom Teaguer

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

[redacted]

Chain of Custody Record

Quanterra

QUA-4124 0797

Client: Maxim Technologies	Project Manager: Clyde Yancey	Date: 9/29/00	Chain of Custody Number: 34557
Address: 10601 Lomas NE Suite 106	Telephone Number (Area Code)/Fax Number: 505-237-8440	Lab Number:	Page 1 of 1
City: Albuquerque / State: NM / Zip Code: 87112	Site Contact: Rudy Quiroz	Lab Contact:	
Project Name: Maljamar gas plant	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	12 RCRA metals	Major cations/anions	Special Instructions/ Conditions of Receipt
MW-1	9/28/00	1700	X			4			3			X	X	X	X	
MW-2	9/28/00	1600	X			4			3			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 (A fee may be assessed if samples are retained longer than 3 months) call phone above

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other call above

QC Requirements (Specify)

1. Relinquished By	Date: 9/29/00	Time: 16:00	1. Received By: Carol McNulty	Date: 9/30/00	Time: 1030
2. Relinquished By	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By	Date:	Time:	3. Received By:	Date:	Time:

Comments

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

Chain of Custody Record

Quanterra

QUA-4124 0797

Client: Maxim Technologies	Project Manager: Clyde Yancey	Date: 9/29/00	Chain of Custody Number: 34558
Address: 10601 Lomas NE. Suite 106	Telephone Number (Area Code)/Fax Number: 505 - 237 8440	Lab Number:	Page 1 of 1
City: Albuquerque / State: NM / Zip Code: 87112	Site Contact: Rudy Quiroz	Lab Contact:	
Project Name: Maljamar gas plant.	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date (10-2nd)	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	RCRA metal.	major cations/anions	Special Instructions/ Conditions of Receipt
MW - 3	9/28/00		X			4			3			X	X	X	X	
MW - 4	9/28/00		X			4			3			X	X	X	X	
Trip blank.			X									X				

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other call above.

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	9/29/00	16:00	1. Received By: Carol McNulty	9/30/00	1030
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Joyce M. Woodfin
Environmental Consultant
Natural Gas & Gas Products

Conoco Inc
Humber 3036
P.O. Box 2197
Houston, TX 77252-2197
(281) 293-4498
Fax: (281) 293-1214

June 5, 2000

Certified Mail: 7099 3220 0005 0587 1156
Return Receipt Requested

Mr. Wayne Price
NMEMNRD, Oil Conservation Division
P.O. Box 6429
Santa Fe, NM 87505-6429

RE: Investigation Status, Conoco Maljamar Gas Plant

Dear Mr. Price:

On April 27 and 28, 2000, Conoco Inc. (Conoco) conducted a subsurface investigation at the Maljamar Gas Plant, Maljamar, New Mexico. The investigation was within a bermed area where a condensate release of approximately 15 barrels occurred on February 13, 2000. Immediately following the release Conoco began excavation of the soils within the bermed area. During the removal of all freshly impacted soil, suspect hydrocarbon impacted soils from historical release(s) were encountered. The purpose of the investigation was to delineate the vertical and horizontal impact resulting from the historical release since we believe that impacted soil from the February spill was removed.

A total of five soil borings were drilled on the perimeter of the bermed area referenced in the above paragraph. The maximum drilling depth was 65 feet below ground surface (bgs) in boring B2. A sample was collected from boring B2 at a depth of 35 feet bgs, with a corresponding volatile organic vapor reading (PID) of 326 parts per million (ppm). Underlying the 35-foot bgs interval, a very tightly cemented, dry sandstone was encountered. As drilling continued, Conoco was unable to obtain split spoon samples from this sandstone due to the competency of the unit. However, we monitored the drill cuttings with the PID, and terminated drilling at 65 feet bgs when PID readings equilibrated at 15 ppm.

Following an assessment of the data gathered during the April 27-28th investigation, Conoco concluded that additional borings would be required to further delineate the horizontal impact resultant from the historical release.

During the next drilling phase, Conoco will advance at least one boring to 100 feet bgs or groundwater, whichever is encountered first. The purpose of this boring will be to address concerns expressed by the OCD office regarding the occurrence of shallow

groundwater underlying the Maljamar facility. A work plan addressing the additional investigation will follow under separate cover.

Conoco has agreed to notify the OCD of the next scheduled drilling event at the Maljamar Gas Plant. This drilling is tentatively scheduled for June 21 through 23, 2000 and is contingent on availability of the drill rig and subsequent discussions with the OCD.

If you should have any questions, please feel free to contact me at 281-293-4498.

Sincerely,

Joyce Woodfin

cc: Marshall Honeyman - Maljamar
John Skopak - RemediationTechnology
Clyde Yancey - Maxim Technologies

File: ENV 216-9-4

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	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
0	SAND	0.0'-5.0'	0.0'-5.0'	C	0.9			0
5	SAND, tan, dry	5.0'-10.0'	5.0'-10.0'	C	1.3			5
10	SAND with gravel fragments, tan, dry	10.0-20.0'	10.0-15.0'	C	0.7			10
15			15.0-20.0'	C	0.6			15
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-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
0	SANDY SOIL, brown, dry	0.0'-5.0'	0.0'-5.0'	C	2.1			0
5	SAND, brown, dry	5.0'-10.0'	5.0'-10.0'	C	1.1			5
10	SAND and CALICHE, brown	10.0-15.0'	15.0'	C	0.7			10
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	OVM or Hnu (PPM)	GRAPHIC LOG	WELL DESIGN	DEPTH FEET
0	SOIL, dark brown, moist, odor	0.0'-11.0'						0
			0.0'-5.0'	C	4.0			
5	-oily black soil		5.0'-7.0'	SS	827.6			5
10	CALICHE, tan, moist, odor	11.0-12.0'	10.0-12.0'	SS	193.6			10
	SILTY CALICHE, tan, moist, odor	12.0-18.0'						
15			15.0-17.0'	SS	26.0			15
	SAND, tan, moist	18.0-30.0'						
20			18.0-20.0'	SS	11.3			20
25			25.0'	C	6.1			25
30			30.0'	C	1.8			30
	Boring terminated at 30.0'							
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-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
			0.0'-3.0'	C	32.5			
	-black stained soil from 3.0'-15.5'							
5			5.0'-7.0'	SS	977.2			5
10			10.0-12.0'	SS	313.4			10
15	CLAYEY SAND, tan, moist, odor	15.5-20.0'	15.0-17.0'	SS	140.1			15
20	SILTY SAND, dark brown, moist	20.0-22.0'	20.0-22.0'	SS	78.5			20
	SAND, brown, moist	22.0-25.0'						
25			25.0'	C	15.8			25
	SAND, brown, moist, no odor	25.0-30.0'						
30			30.0'	C	3.3			30
	Boring terminated at 30.0'							
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-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
0	SANDY SILT, light tan, loose	0.0'-5.0'						0
5	SANDY SILT with some gravel fragments, light tan, caliche	5.0'-10.0'	5.0'-7.0'	SS	2.8			5
10	SANDY SILT with caliche fragments, light tan	10.0-17.0'	10.0-12.0'	SS	3.0			10
15			15.0-17.0'	SS	0.7			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-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
	SAND with intermixed silt, orange, no odor	0.0'-5.0'						
5	SILTY SAND, tan to orange, no odor	5.0'-10.0'	5.0'-7.0'	SS	0.7			5
10	SILTY SAND, tan, orange	10.0-17.0'	10.0-12.0'	SS	0.3			10
15			15.0-17.0'	SS	0.1			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

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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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 #...: DLCMW 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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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 **Matrix.....:** SOLID
Date Sampled...: 09/28/00 **Date Received..:** 09/30/00
% Moisture.....: 13

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		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	ND	6.0	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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 **Matrix.....:** SOLID
Date Sampled...: 09/28/00 **Date Received..:** 09/30/00
% Moisture.....: 17

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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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 Matrix.....: SOLID
Date Sampled...: 09/28/00 Date Received..: 09/30/00
% Moisture.....: 19

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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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 #...:	B0I300119-005	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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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 Matrix.....: SOLID
Date Sampled...: 09/28/00 Date Received..: 09/30/00
% Moisture.....: 16

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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	47	(39 - 163)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

CONOCO

Client Sample ID: SB7

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 Matrix.....: SOLID
Date Sampled...: 09/28/00 Date Received..: 09/30/00
% Moisture.....: 15

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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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 **Matrix.....:** SOLID
Date Sampled...: 09/28/00 **Date Received..:** 09/30/00
% Moisture.....: 12

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	**Work Order #...:** DLCN9101	**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:** 5.5 g	**Final Wgt/Vol..:** 5 mL
% Moisture.....: 4.5	**Method.....:** SW846 8260B	

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	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	ND	5.2	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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 Matrix.....: SOLID
Date Sampled...: 09/28/00 Date Received..: 09/30/00
% Moisture.....: 4.5

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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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		

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	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		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	ND	5.3	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-3-2

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
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-3-2

TOTAL Metals

Lot-Sample #...: B0I300119-012 Matrix.....: SOLID
Date Sampled...: 09/29/00 Date Received..: 09/30/00
% Moisture.....: 5.6

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	WOR 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: 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	

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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 Matrix.....: SOLID
Date Sampled...: 09/28/00 Date Received..: 09/30/00
% Moisture.....: 4.8

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: 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	PRE BAT
pH (solid)	8.7	0.10	No Units	SW846 9045A	09/30/00	027
		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	027
		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	028
		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	027
		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	027
		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	027
		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		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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 **Matrix.....:** SOL
Date Sampled...: 09/29/00 **Date Received..:** 09/30/00
% Moisture.....: 5.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WOR 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	PREP BATC
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
Prep Date.....: 10/11/00
Prep Batch #...: 0286175
Initial Wgt/Vol: 5 g

Matrix.....: SOLID
Final Wgt/Vol..: 5 mL

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

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
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 **Work Order #...:** DM2GT1AA **Matrix.....:** SOLID
MB Lot-Sample #: B0J120000-314

Prep Date.....: 09/30/00 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 10/11/00 **Prep Batch #...:** 0286314
Dilution Factor: 1 **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 **Work Order #...:** DLNA9101 **Matrix.....:** SOLID
MB Lot-Sample #: B0J060000-279

Prep Date.....: 09/30/00 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 10/06/00 **Prep Batch #...:** 0280279
Dilution Factor: 1 **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.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: B0I300119 **Work Order #...:** DLEEX101 **Matrix.....:** SOLID
MB Lot-Sample #: B0J020000-444

Prep Date.....: 10/02/00 **Final Wgt/Vol..:** 1 mL
Analysis Date..: 10/06/00 **Prep Batch #...:** 0276444
Dilution Factor: 1 **Initial Wgt/Vol:** 30 g

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diesel Range Organics	ND	10	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetratriacontane	86	(25 - 113)

NOTE(S):

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		Work Order #: DLDKC101		MB Lot-Sample #:	B0J020000-192	
	ND	5.0	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		Work Order #: DLR2D101		MB Lot-Sample #:	B0J090000-107	
	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		Work Order #: DLDKD101		MB Lot-Sample #:	B0J020000-193	
	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	
Sulfate		Work Order #: DLDKE101		MB Lot-Sample #:	B0J020000-194	
	ND	5.0	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):

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

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
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

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP 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 **Matrix.....:** SOLID
DLCNE-DUP

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)						SD Lot-Sample #:	B0I300119-014	
	8.6	8.6	No Units	0.0	(0-20)	SW846 9045A	09/30/00	027631
		Dilution Factor: 1				Initial Wgt/Vol:	Final Wgt/Vol..: 0	
Percent Solids						SD Lot-Sample #:	B0I300119-014	
	94.9	94.4	%	0.61	(0-20)	MCAWW 160.3 MOD	10/04-10/05/00	027916
		Dilution Factor: 1				Initial Wgt/Vol:	Final Wgt/Vol..: 0	

SEVERN TRENT LABS

TAMPA LABORATORY
CONDITION UPON RECEIPT FORM

Client (name or ID): MAXIM **Project name:** Malja mcm
Date received: 9/30/00 **Lot number:**
Received by: Carol McNulty **CUR 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)	5°				
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: ☐ CUSTODY SEAL SAVED ☐ 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: ☐ NO ICE ☐ BLUE ICE				
11. Were the samples received with a temperature blank? **RECORD TEMPERATURE ABOVE** If "No," check one: ☐ Unable to determine temp ☐ 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? *NOTE: VOA samples are checked by laboratory analysts.*				
14. Were samples accepted into the laboratory?				

Comments:

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

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

Chain of Custody Record

Quanterra

QUA-4124 0797

Client: Maxim Technologies.	Project Manager: Clyde Yancey	Date: 9/29/00	Chain of Custody Number: 31560
Address: 10601 Lomas NE suite 106	Telephone Number (Area Code)/Fax Number: 505 - 237 - 8440	Lab Number:	Page 1 of 2
City: Albuquerque / State: NM / Zip Code: 87112	Site Contact: Rudy Quiroz	Lab Contact:	
Project Name: Maljamar.	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/ NaOH	Analysis: 8260	GRO	DRO	metals	chloride	SO4	NO3	F	pH
B1	9/28	9:15			X							X	X	X	X	X	X	X	X	X
B2		10:53																		
B3		11:30																		
B4		13:20																		
B5		14:50																		
B6		14:45			X							X								X
soil comp.	9/28	—										X								X
B7		15:50																		
B8	9/28	15:10																		
B9		15:00																		
B10	9/28	14:40																		
B-3-2	9/29	05:00																		

Special Instructions/ Conditions of Receipt

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

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

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

1. Relinquished By: [signature]	Date: 16:00	Time: 9/29/00	1. Received By: Carol McNulty	Date: 9/30/00	Time: 1030
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

Chain of Custody Record

Quanterra

QUA-4124 0797

Client: Maxim Technologies	Project Manager: Clyde Yancey	Date: 9/29/00	Chain of Custody Number: 34562
Address	Telephone Number (Area Code)/Fax Number: 505-237-8440.	Lab Number	Page 2 of 2
City: Albuquerque / State: NM / Zip Code: 87112	Site Contact: Rudy Quiroz	Lab Contact	Analysis (Attach list if more space is needed)
Project Name: Maljamar.	Carrier/Waybill Number		Special Instructions/ Conditions of Receipt
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/ NaOH	8260	6TRO	DRO	metals	Cl	SO4	NO3	F	pH
B-3-1	9/29	11:30			X	X														
B-3-5					X	X														
~~B-3-8~~ 10-20					X	X														

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: [signature]	Date: 9/29/00	Time: 16:00	1. Received By: Carol McMullty	Date: 9/30/00	Time: 1030
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

Certificate of Analysis

STL Austin
14046 Summit Drive
Austin, Texas 78728

Tel: 512 244 0855
Fax: 512 244 0160
www.stl-inc.com

SEVERN TRENT SERVICES
STL Austin

ANALYTICAL REPORT

PROJECT NO. MALIJAMAR NM

NG00001 Maljamar Gas Plant

Lot #: I1E230224

Clyde Yancey

Maxim Technologies
10601 Lomas NE Ste 106
Albuquerque, NM 87112

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler
Project Manager

June 19, 2001

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

STL Austin is a part of Severn Trent Laboratories, Inc.

CASE NARRATIVE

11E230224

Samples received in good condition within acceptable cooler temperature.

Because pH was not performed at the time of collection, the analysis is considered out of hold time.

Results that exceeded the calibration range are flagged with an E. Reanalysis to provide results within range are flagged with a D to indicate a dilution run.

For the 8260B analysis, some target compounds are non-detect at elevated reporting limits due to matrix required dilutions for samples 001, 002, and 004.

For the 8270 analysis of 004, two surrogate recoveries were out of control due to demonstrated matrix effect.

For the SPLP 8270 analysis of 006, surrogate recoveries for nitrobenzene-d5, 2-fluorobiphenyl, and 2,4,6-tribromophenol were slightly below recovery limits. All analytes non-detect.

Surrogate recoveries for the DRO analysis of samples 005 and 006 are reported as NC, DIL because dilutions or the presence of interfering analytes prevented calculations.

One surrogate recovery was out of control due to coelution for the 8021B analysis of sample 006

Ethylbenzene at 0.11 mg/L and toluene at 0.048 mg/L were detected in two analysis of the SPLP 8260 method blank. Results for these two compounds detected in associated analytical samples are flagged with a B. Note that the SPLP 8260 results are reported in mg/L and the SPLP 8270 results are reported in ug/L.

Recoveries of some compounds and/or surrogates were outside limits for:

8260B batch 1155372, Matrix Spike/Matrix Spike Duplicate of 001
8021B batch 1157484, Matrix Spike/Matrix Spike Duplicate of 006
8270C batch 1144522, Matrix Spike/Matrix Spike Duplicate of 004

Recoveries of some compounds were outside limits for the Matrix Spike/Matrix Spike Duplicate of the non-project specific QC samples for 8021B batch 1157433 and DRO batch 1144504.

Recoveries of mercury were reported as NC (not calculated) because the sample amount was greater than four times the spike amount for the Matrix Spike/Matrix Spike Duplicate of the non-project specific QC sample for batch 1151174.

EXECUTIVE SUMMARY - Detection Highlights

I1E230224

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-1 05/21/01 19:40 001				
Arsenic	0.16	0.010	mg/L	SW846 6010B
Barium	1.2	0.20	mg/L	SW846 6010B
Calcium	178	5.0	mg/L	SW846 6010B
Chromium	0.055	0.0050	mg/L	SW846 6010B
Magnesium	42.2	5.0	mg/L	SW846 6010B
Sodium	114	5.0	mg/L	SW846 6010B
Lead	0.082	0.0030	mg/L	SW846 6010B
Phenol	17	10	ug/L	SW846 8270C
Benzene	1300 E	10	ug/L	SW846 8260B
Benzene	1600 D	50	ug/L	SW846 8260B
Ethylbenzene	95	10	ug/L	SW846 8260B
m-Xylene & p-Xylene	43	10	ug/L	SW846 8260B
pH (liquid)	7.4 H	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	736	40.0	mg/L	MCAWW 160.1
Chloride	232	100	mg/L	MCAWW 300.0A
Sulfate	30.1	1.0	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	405	5.0	mg/L	MCAWW 310.1
Total Alkalinity	405	5.0	mg/L	MCAWW 310.1
MW-3 05/21/01 18:30 002				
Arsenic	0.40	0.010	mg/L	SW846 6010B
Barium	0.89	0.20	mg/L	SW846 6010B
Calcium	345	5.0	mg/L	SW846 6010B
Chromium	0.053	0.0050	mg/L	SW846 6010B
Magnesium	77.4	5.0	mg/L	SW846 6010B
Sodium	122	5.0	mg/L	SW846 6010B
Lead	0.0075	0.0030	mg/L	SW846 6010B
Phenol	65	10	ug/L	SW846 8270C
Benzene	31000 E	250	ug/L	SW846 8260B
Benzene	35000 D	1000	ug/L	SW846 8260B
Ethylbenzene	710	250	ug/L	SW846 8260B
Toluene	2200	250	ug/L	SW846 8260B
m-Xylene & p-Xylene	290	250	ug/L	SW846 8260B
pH (liquid)	7.0 H	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1670	40.0	mg/L	MCAWW 160.1
Chloride	590	100	mg/L	MCAWW 300.0A
Sulfate	25.5	1.0	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	430	5.0	mg/L	MCAWW 310.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I1E230224

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-3 05/21/01 18:30 002				
Total Alkalinity	430	5.0	mg/L	MCAWW 310.1
MW-2 05/21/01 17:30 004				
Arsenic	0.051	0.010	mg/L	SW846 6010B
Barium	1.3	0.20	mg/L	SW846 6010B
Calcium	327	5.0	mg/L	SW846 6010B
Chromium	0.024	0.0050	mg/L	SW846 6010B
Magnesium	57.9	5.0	mg/L	SW846 6010B
Sodium	64.1	5.0	mg/L	SW846 6010B
Lead	0.017	0.0030	mg/L	SW846 6010B
2-Methylnaphthalene	13	10	ug/L	SW846 8270C
Naphthalene	16	10	ug/L	SW846 8270C
Benzene	26000 E	250	ug/L	SW846 8260B
Benzene	30000 D	1000	ug/L	SW846 8260B
1,2-Dichloroethane	1100	250	ug/L	SW846 8260B
Ethylbenzene	630	250	ug/L	SW846 8260B
Toluene	8300	250	ug/L	SW846 8260B
o-Xylene	220	120	ug/L	SW846 8260B
m-Xylene & p-Xylene	670	250	ug/L	SW846 8260B
pH (liquid)	7.0 H	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1220	40.0	mg/L	MCAWW 160.1
Chloride	315	100	mg/L	MCAWW 300.0A
Sulfate	32.5	1.0	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	443	5.0	mg/L	MCAWW 310.1
Total Alkalinity	443	5.0	mg/L	MCAWW 310.1
B-12-B 6-9 05/21/01 13:00 005				
Diesel Range Organics	4200000	17000	ug/kg	SW846 8015B
Gasoline Range Organics	410000	9900	ug/kg	SW846 8015B
Benzene	340	99	ug/kg	SW846 8021B
Ethylbenzene	11000	99	ug/kg	SW846 8021B
Toluene	420	99	ug/kg	SW846 8021B
Xylenes (total)	10000	300	ug/kg	SW846 8021B
Benzene	0.015	0.0050	mg/L	SW846 8260B
n-Butylbenzene	0.0063	0.0050	mg/L	SW846 8260B
sec-Butylbenzene	0.0065	0.0050	mg/L	SW846 8260B
Ethylbenzene	0.028 B	0.0050	mg/L	SW846 8260B
Isopropylbenzene	0.031	0.0050	mg/L	SW846 8260B
Naphthalene	0.032	0.0050	mg/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I1E230224

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-12-B 6-9 05/21/01 13:00 005				
n-Propylbenzene	0.036	0.0050	mg/L	SW846 8260B
Toluene	0.022 B	0.0050	mg/L	SW846 8260B
1,2,4-Trimethylbenzene	0.085	0.0050	mg/L	SW846 8260B
1,3,5-Trimethylbenzene	0.021	0.0050	mg/L	SW846 8260B
Percent Moisture	13.0	0.50	%	ASTM D 2216-90
B-12-B 11-14 05/21/01 13:00 006				
Diesel Range Organics	1900000	17000	ug/kg	SW846 8015B
Gasoline Range Organics	17000	480	ug/kg	SW846 8015B
Xylenes (total)	950	14	ug/kg	SW846 8021B
Benzene	12	4.8	ug/kg	SW846 8021B
Ethylbenzene	870	4.8	ug/kg	SW846 8021B
Toluene	29	4.8	ug/kg	SW846 8021B
n-Butylbenzene	0.0059	0.0050	mg/L	SW846 8260B
Ethylbenzene	0.037 B	0.0050	mg/L	SW846 8260B
Isopropylbenzene	0.010	0.0050	mg/L	SW846 8260B
Naphthalene	0.012	0.0050	mg/L	SW846 8260B
n-Propylbenzene	0.015	0.0050	mg/L	SW846 8260B
1,2,4-Trimethylbenzene	0.023	0.0050	mg/L	SW846 8260B
1,3,5-Trimethylbenzene	0.0060	0.0050	mg/L	SW846 8260B
Percent Moisture	14.9	0.50	%	ASTM D 2216-90
B-13-B 05/21/01 13:00 007				
Diesel Range Organics	1600000	17000	ug/kg	SW846 8015B
Gasoline Range Organics	380000	9900	ug/kg	SW846 8015B
Benzene	110	99	ug/kg	SW846 8021B
Ethylbenzene	11000	99	ug/kg	SW846 8021B
Toluene	390	99	ug/kg	SW846 8021B
Xylenes (total)	12000	300	ug/kg	SW846 8021B
Benzene	0.0053	0.0050	mg/L	SW846 8260B
n-Butylbenzene	0.011	0.0050	mg/L	SW846 8260B
sec-Butylbenzene	0.0085	0.0050	mg/L	SW846 8260B
Ethylbenzene	0.18 B	0.0050	mg/L	SW846 8260B
Hexachlorobutadiene	0.011	0.0050	mg/L	SW846 8260B
Isopropylbenzene	0.025	0.0050	mg/L	SW846 8260B
p-Isopropyltoluene	0.0062	0.0050	mg/L	SW846 8260B
Naphthalene	0.033	0.0050	mg/L	SW846 8260B
n-Propylbenzene	0.031	0.0050	mg/L	SW846 8260B
Toluene	0.016 B	0.0050	mg/L	SW846 8260B
1,2,3-Trichlorobenzene	0.0070	0.0050	mg/L	SW846 8260B
1,2,4-Trichloro-benzene	0.0077	0.0050	mg/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I1E230224

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-13-B 05/21/01 13:00 007				
1,2,4-Trimethylbenzene	0.080	0.0050	mg/L	SW846 8260B
1,3,5-Trimethylbenzene	0.024	0.0050	mg/L	SW846 8260B
Percent Moisture	12.8	0.50	%	ASTM D 2216-90
B-11-B 05/21/01 13:00 008				
Diesel Range Organics	3100	1700	ug/kg	SW846 8015B
Percent Moisture	12.4	0.50	%	ASTM D 2216-90

ANALYTICAL METHODS SUMMARY

I1E230224

PARAMETER	ANALYTICAL METHOD
pH (Electrometric)	MCAWW 150.1
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1
Chloride	MCAWW 300.0A
Extractable Petroleum Hydrocarbons	SW846 8015B
Filterable Residue (TDS)	MCAWW 160.1
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Method for Determination of Water Content of Soil	ASTM D 2216-90
Nitrate as N	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 300.0A
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B
Volatile Petroleum Hydrocarbons	SW846 8015B
Volatiles by GC	SW846 8021B

References:

ASTM Annual Book Of ASTM Standards.

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

I1E230224

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EDTF6	001	MW-1	05/21/01	19:40
EDTGD	002	MW-3	05/21/01	18:30
EDTGG	003	TRIP BLANK	05/21/01	
EDTGJ	004	MW-2	05/21/01	17:30
EDTGQ	005	B-12-B 6-9	05/21/01	13:00
EDTHE	006	B-12-B 11-14	05/21/01	13:00
EDTHH	007	B-13-B	05/21/01	13:00
EDTHJ	008	B-11-B	05/21/01	13:00

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 INC.

Client Sample ID: B-12-B 6-9

GC Semivolatiles

Lot-Sample #...:	I1E230224-005	Work Order #...: EDTGQ1AA	Matrix.....: SOLID
Date Sampled...:	05/21/01 13:00	Date Received..: 05/23/01	MS Run #.....: 1144278
Prep Date.....:	05/24/01	Analysis Date..: 06/04/01	
Prep Batch #...:	1144504	Analysis Time..: 19:04	
Dilution Factor:	10		
% Moisture.....:	13	Method.....: SW846 8015B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	4200000	17000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(40 - 144)
Dotriacontane	NC,DIL	(42 - 159)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

CONOCO INC.

Client Sample ID: B-12-B 6-9

GC Volatiles

Lot-Sample #...: I1E230224-005	Work Order #...: EDTGQ1AD	Matrix.....: SOLID
Date Sampled...: 05/21/01 13:00	Date Received..: 05/23/01	MS Run #.....: 1157220
Prep Date.....: 06/04/01	Analysis Date..: 06/04/01	
Prep Batch #...: 1157448	Analysis Time..: 19:47	
Dilution Factor: 1.98		
% Moisture.....: 13	Method.....: SW846 8015B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	410000	9900	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	140	(14 - 165)

CONOCO INC.

Client Sample ID: B-12-B 6-9

SPLP GC/MS Volatiles

Lot-Sample #...:	I1E230224-005	Work Order #...:	EDTGQ1AF	Matrix.....:	SOLID
Date Sampled...:	05/21/01 13:00	Date Received..:	05/23/01	MS Run #.....:	1158057
Leach Date.....:	05/28/01	Prep Date.....:	06/05/01	Analysis Date..:	06/05/01
Leach Batch #..:	P114904	Prep Batch #...:	1158166	Analysis Time..:	20:29
Dilution Factor:	1				
% Moisture.....:	13	Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.015**	**0.0050**	**mg/L**
Bromobenzene	ND	0.0050	mg/L
Bromochloromethane	ND	0.0050	mg/L
Bromodichloromethane	ND	0.0050	mg/L
Bromoform	ND	0.0050	mg/L
Bromomethane	ND	0.010	mg/L
n-Butylbenzene	**0.0063**	**0.0050**	**mg/L**
sec-Butylbenzene	**0.0065**	**0.0050**	**mg/L**
tert-Butylbenzene	ND	0.0050	mg/L
Carbon tetrachloride	ND	0.0050	mg/L
Chlorobenzene	ND	0.0050	mg/L
Chlorodibromomethane	ND	0.0050	mg/L
Chloroethane	ND	0.010	mg/L
Chloroform	ND	0.0050	mg/L
Chloromethane	ND	0.010	mg/L
2-Chlorotoluene	ND	0.0050	mg/L
4-Chlorotoluene	ND	0.0050	mg/L
1,2-Dibromo-3-chloro-propane	ND	0.010	mg/L
1,2-Dibromoethane	ND	0.0050	mg/L
Dibromomethane	ND	0.0050	mg/L
1,2-Dichlorobenzene	ND	0.0050	mg/L
1,3-Dichlorobenzene	ND	0.0050	mg/L
1,4-Dichlorobenzene	ND	0.0050	mg/L
Dichlorodifluoromethane	ND	0.010	mg/L
1,1-Dichloroethane	ND	0.0050	mg/L
1,2-Dichloroethane	ND	0.0050	mg/L
1,1-Dichloroethene	ND	0.0050	mg/L
cis-1,2-Dichloroethene	ND	0.0050	mg/L
trans-1,2-Dichloroethene	ND	0.0050	mg/L
1,2-Dichloropropane	ND	0.0050	mg/L
1,3-Dichloropropane	ND	0.0050	mg/L
2,2-Dichloropropane	ND	0.0050	mg/L
1,1-Dichloropropene	ND	0.0050	mg/L
Ethylbenzene	**0.028 B**	**0.0050**	**mg/L**
Hexachlorobutadiene	ND	0.0050	mg/L
Isopropylbenzene	**0.031**	**0.0050**	**mg/L**
p-Isopropyltoluene	ND	0.0050	mg/L

(Continued on next page)

CONOCO INC.

Client Sample ID: B-12-B 6-9

SPLP GC/MS Volatiles

Lot-Sample #...: I1E230224-005 Work Order #...: EDTGQ1AF Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	0.0050	mg/L
Naphthalene	**0.032**	**0.0050**	**mg/L**
n-Propylbenzene	**0.036**	**0.0050**	**mg/L**
Styrene	ND	0.0050	mg/L
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/L
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/L
Tetrachloroethene	ND	0.0050	mg/L
Toluene	**0.022 B**	**0.0050**	**mg/L**
1,2,3-Trichlorobenzene	ND	0.0050	mg/L
1,2,4-Trichloro-benzene	ND	0.0050	mg/L
1,1,1-Trichloroethane	ND	0.0050	mg/L
1,1,2-Trichloroethane	ND	0.0050	mg/L
Trichloroethene	ND	0.0050	mg/L
Trichlorofluoromethane	ND	0.010	mg/L
1,2,3-Trichloropropane	ND	0.0050	mg/L
1,2,4-Trimethylbenzene	**0.085**	**0.0050**	**mg/L**
1,3,5-Trimethylbenzene	**0.021**	**0.0050**	**mg/L**
Vinyl chloride	ND	0.010	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	107	(42 - 183)
Toluene-d8	99	(69 - 128)
Dibromofluoromethane	94	(63 - 141)
1,2-Dichloroethane-d4	94	(58 - 141)

NOTE(S):

Analysis performed in accordance with USEPA Synthetic Precipitation Leaching Procedure Method 1312

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: B-12-B 6-9

SPLP GC/MS Semivolatiles

Lot-Sample #...:	I1E230224-005	Work Order #...:	EDTGQ1AG	Matrix.....:	SOLID
Date Sampled...:	05/21/01 13:00	Date Received..:	05/23/01	MS Run #.....:	1152093
Leach Date.....:	05/29/01	Prep Date.....:	06/01/01	Analysis Date..:	06/07/01
Leach Batch #..:	P115011	Prep Batch #...:	1152226	Analysis Time..:	01:22
Dilution Factor:	5				
% Moisture.....:	13	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	50	ug/L
Acenaphthylene	ND	50	ug/L
Anthracene	ND	50	ug/L
Benz(a)anthracene	ND	50	ug/L
Benzo(b)fluoranthene	ND	50	ug/L
Benzo(k)fluoranthene	ND	50	ug/L
Benzo(ghi)perylene	ND	50	ug/L
Benzo(a)pyrene	ND	50	ug/L
bis(2-Chloroethoxy) methane	ND	50	ug/L
bis(2-Chloroethyl)- ether	ND	50	ug/L
bis(2-Chloroisopropyl) ether	ND	50	ug/L
bis(2-Ethylhexyl) phthalate	ND	50	ug/L
4-Bromophenyl phenyl ether	ND	50	ug/L
Butyl benzyl phthalate	ND	50	ug/L
4-Chloroaniline	ND	50	ug/L
4-Chloro-3-methylphenol	ND	50	ug/L
2-Chloronaphthalene	ND	50	ug/L
2-Chlorophenol	ND	50	ug/L
4-Chlorophenyl phenyl ether	ND	50	ug/L
Chrysene	ND	50	ug/L
Dibenz(a,h)anthracene	ND	50	ug/L
Dibenzofuran	ND	50	ug/L
Di-n-butyl phthalate	ND	50	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
3,3'-Dichlorobenzidine	ND	250	ug/L
2,4-Dichlorophenol	ND	50	ug/L
Diethyl phthalate	ND	50	ug/L
2,4-Dimethylphenol	ND	50	ug/L
Dimethyl phthalate	ND	50	ug/L
4,6-Dinitro- 2-methylphenol	ND	250	ug/L

(Continued on next page)

CONOCO INC.

Client Sample ID: B-12-B 6-9

SPLP GC/MS Semivolatiles

Lot-Sample #...: I1E230224-005 **Work Order #...:** EDTGQ1AG **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrophenol	ND	250	ug/L
2,4-Dinitrotoluene	ND	50	ug/L
2,6-Dinitrotoluene	ND	50	ug/L
Di-n-octyl phthalate	ND	50	ug/L
Fluoranthene	ND	50	ug/L
Fluorene	ND	50	ug/L
Hexachlorobenzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
Hexachlorocyclopenta-diene	ND	250	ug/L
Hexachloroethane	ND	50	ug/L
Indeno(1,2,3-cd)pyrene	ND	50	ug/L
Isophorone	ND	50	ug/L
2-Methylnaphthalene	ND	50	ug/L
2-Methylphenol	ND	50	ug/L
4-Methylphenol	ND	50	ug/L
Naphthalene	ND	50	ug/L
2-Nitroaniline	ND	250	ug/L
3-Nitroaniline	ND	250	ug/L
4-Nitroaniline	ND	250	ug/L
Nitrobenzene	ND	50	ug/L
2-Nitrophenol	ND	50	ug/L
4-Nitrophenol	ND	250	ug/L
N-Nitrosodiphenylamine	ND	50	ug/L
N-Nitrosodi-n-propyl-amine	ND	50	ug/L
Pentachlorophenol	ND	250	ug/L
Phenanthrene	ND	50	ug/L
Phenol	ND	50	ug/L
Pyrene	ND	50	ug/L
1,2,4-Trichloro-benzene	ND	50	ug/L
2,4,5-Trichloro-phenol	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	79	(58 - 125)
2-Fluorobiphenyl	80	(58 - 118)
Terphenyl-d14	96	(47 - 142)
2-Fluorophenol	78	(48 - 116)
Phenol-d5	81	(51 - 122)
2,4,6-Tribromophenol	78	(52 - 137)

(Continued on next page)

CONOCO INC.

Client Sample ID: B-12-B 6-9

SPLP GC/MS Semivolatiles

Lot-Sample #...: I1E230224-005 Work Order #...: EDTGQ1AG Matrix.....: SOLID

NOTE(S):

Analysis performed in accordance with USEPA Synthetic Precipitation Leaching Procedure Method 1312

CONOCO INC.

Client Sample ID: B-12-B 6-9

GC Volatiles

Lot-Sample #...:	I1E230224-005	Work Order #...: EDTGQ1AC	Matrix.....: SOLID
Date Sampled...:	05/21/01 13:00	Date Received..: 05/23/01	MS Run #.....: 1157250
Prep Date.....:	06/04/01	Analysis Date..: 06/04/01	
Prep Batch #...:	1157484	Analysis Time..: 19:47	
Dilution Factor:	1.98		
% Moisture.....:	13	Method.....: SW846 8021B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	340	99	ug/kg
Ethylbenzene	11000	99	ug/kg
Toluene	420	99	ug/kg
Xylenes (total)	10000	300	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(70 - 130)

CONOCO INC.

Client Sample ID: B-12-B 11-14

GC Semivolatiles

Lot-Sample #...:	I1E230224-006	Work Order #...:	EDTHE1AA	Matrix.....:	SOLID
Date Sampled...:	05/21/01 13:00	Date Received..:	05/23/01	MS Run #.....:	1144278
Prep Date.....:	05/24/01	Analysis Date..:	06/04/01		
Prep Batch #...:	1144504	Analysis Time..:	19:48		
Dilution Factor:	10				
% Moisture.....:	15	Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	1900000	17000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(40 - 144)
Dotriacontane	NC,DIL	(42 - 159)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

CONOCO INC.

Client Sample ID: B-12-B 11-14

GC Volatiles

Lot-Sample #...:	I1E230224-006	Work Order #...:	EDTHE1AD	Matrix.....:	SOLID
Date Sampled...:	05/21/01 13:00	Date Received..:	05/23/01		
Prep Date.....:	06/04/01	Analysis Date..:	06/04/01		
Prep Batch #...:	1157435				
Dilution Factor:	4.76				
% Moisture.....:	15	Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	17000	480	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	74	(14 - 165)

CONOCO INC.

Client Sample ID: B-12-B 11-14

SPLP GC/MS Volatiles

Lot-Sample #...: I1E230224-006	Work Order #...: EDTHE1AF	Matrix.....: SOLID
Date Sampled...: 05/21/01 13:00	Date Received..: 05/23/01	MS Run #.....: 1158057
Leach Date.....: 05/28/01	Prep Date.....: 06/05/01	Analysis Date..: 06/05/01
Leach Batch #..: P114904	Prep Batch #...: 1158166	Analysis Time..: 20:58
Dilution Factor: 1		
% Moisture.....: 15	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.0050	mg/L
Bromobenzene	ND	0.0050	mg/L
Bromochloromethane	ND	0.0050	mg/L
Bromodichloromethane	ND	0.0050	mg/L
Bromoform	ND	0.0050	mg/L
Bromomethane	ND	0.010	mg/L
n-Butylbenzene	**0.0059**	**0.0050**	**mg/L**
sec-Butylbenzene	ND	0.0050	mg/L
tert-Butylbenzene	ND	0.0050	mg/L
Carbon tetrachloride	ND	0.0050	mg/L
Chlorobenzene	ND	0.0050	mg/L
Chlorodibromomethane	ND	0.0050	mg/L
Chloroethane	ND	0.010	mg/L
Chloroform	ND	0.0050	mg/L
Chloromethane	ND	0.010	mg/L
2-Chlorotoluene	ND	0.0050	mg/L
4-Chlorotoluene	ND	0.0050	mg/L
1,2-Dibromo-3-chloro-propane	ND	0.010	mg/L
1,2-Dibromoethane	ND	0.0050	mg/L
Dibromomethane	ND	0.0050	mg/L
1,2-Dichlorobenzene	ND	0.0050	mg/L
1,3-Dichlorobenzene	ND	0.0050	mg/L
1,4-Dichlorobenzene	ND	0.0050	mg/L
Dichlorodifluoromethane	ND	0.010	mg/L
1,1-Dichloroethane	ND	0.0050	mg/L
1,2-Dichloroethane	ND	0.0050	mg/L
1,1-Dichloroethene	ND	0.0050	mg/L
cis-1,2-Dichloroethene	ND	0.0050	mg/L
trans-1,2-Dichloroethene	ND	0.0050	mg/L
1,2-Dichloropropane	ND	0.0050	mg/L
1,3-Dichloropropane	ND	0.0050	mg/L
2,2-Dichloropropane	ND	0.0050	mg/L
1,1-Dichloropropene	ND	0.0050	mg/L
Ethylbenzene	**0.037 B**	**0.0050**	**mg/L**
Hexachlorobutadiene	ND	0.0050	mg/L
Isopropylbenzene	**0.010**	**0.0050**	**mg/L**
p-Isopropyltoluene	ND	0.0050	mg/L

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CONOCO INC.

Client Sample ID: B-12-B 11-14

SPLP GC/MS Volatiles

Lot-Sample #...: I1E230224-006 Work Order #...: EDTHE1AF Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	0.0050	mg/L
Naphthalene	**0.012**	**0.0050**	**mg/L**
n-Propylbenzene	**0.015**	**0.0050**	**mg/L**
Styrene	ND	0.0050	mg/L
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/L
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/L
Tetrachloroethene	ND	0.0050	mg/L
Toluene	ND	0.0050	mg/L
1,2,3-Trichlorobenzene	ND	0.0050	mg/L
1,2,4-Trichloro-benzene	ND	0.0050	mg/L
1,1,1-Trichloroethane	ND	0.0050	mg/L
1,1,2-Trichloroethane	ND	0.0050	mg/L
Trichloroethene	ND	0.0050	mg/L
Trichlorofluoromethane	ND	0.010	mg/L
1,2,3-Trichloropropane	ND	0.0050	mg/L
1,2,4-Trimethylbenzene	**0.023**	**0.0050**	**mg/L**
1,3,5-Trimethylbenzene	**0.0060**	**0.0050**	**mg/L**
Vinyl chloride	ND	0.010	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	100	(42 - 183)
Toluene-d8	96	(69 - 128)
Dibromofluoromethane	89	(63 - 141)
1,2-Dichloroethane-d4	89	(58 - 141)

NOTE(S):

Analysis performed in accordance with USEPA Synthetic Precipitation Leaching Procedure Method 1312

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: B-12-B 11-14

SPLP GC/MS Semivolatiles

Lot-Sample #...:	I1E230224-006	Work Order #...:	EDTHE1AG	Matrix.....:	SOLID
Date Sampled...:	05/21/01 13:00	Date Received..:	05/23/01	MS Run #.....:	1152093
Leach Date.....:	05/29/01	Prep Date.....:	06/01/01	Analysis Date..:	06/08/01
Leach Batch #..:	P115011	Prep Batch #...:	1152226	Analysis Time..:	22:41
Dilution Factor:	5				
% Moisture.....:	15	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	50	ug/L
Acenaphthylene	ND	50	ug/L
Anthracene	ND	50	ug/L
Benz(a)anthracene	ND	50	ug/L
Benzo(b)fluoranthene	ND	50	ug/L
Benzo(k)fluoranthene	ND	50	ug/L
Benzo(ghi)perylene	ND	50	ug/L
Benzo(a)pyrene	ND	50	ug/L
bis(2-Chloroethoxy) methane	ND	50	ug/L
bis(2-Chloroethyl)- ether	ND	50	ug/L
bis(2-Chloroisopropyl) ether	ND	50	ug/L
bis(2-Ethylhexyl) phthalate	ND	50	ug/L
4-Bromophenyl phenyl ether	ND	50	ug/L
Butyl benzyl phthalate	ND	50	ug/L
4-Chloroaniline	ND	50	ug/L
4-Chloro-3-methylphenol	ND	50	ug/L
2-Chloronaphthalene	ND	50	ug/L
2-Chlorophenol	ND	50	ug/L
4-Chlorophenyl phenyl ether	ND	50	ug/L
Chrysene	ND	50	ug/L
Dibenz(a,h)anthracene	ND	50	ug/L
Dibenzofuran	ND	50	ug/L
Di-n-butyl phthalate	ND	50	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
3,3'-Dichlorobenzidine	ND	250	ug/L
2,4-Dichlorophenol	ND	50	ug/L
Diethyl phthalate	ND	50	ug/L
2,4-Dimethylphenol	ND	50	ug/L
Dimethyl phthalate	ND	50	ug/L
4,6-Dinitro- 2-methylphenol	ND	250	ug/L

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CONOCO INC.

Client Sample ID: B-12-B 11-14

SPLP GC/MS Semivolatiles

Lot-Sample #...: I1E230224-006 Work Order #...: EDTHE1AG Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrophenol	ND	250	ug/L
2,4-Dinitrotoluene	ND	50	ug/L
2,6-Dinitrotoluene	ND	50	ug/L
Di-n-octyl phthalate	ND	50	ug/L
Fluoranthene	ND	50	ug/L
Fluorene	ND	50	ug/L
Hexachlorobenzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
Hexachlorocyclopenta-diene	ND	250	ug/L
Hexachloroethane	ND	50	ug/L
Indeno(1,2,3-cd)pyrene	ND	50	ug/L
Isophorone	ND	50	ug/L
2-Methylnaphthalene	ND	50	ug/L
2-Methylphenol	ND	50	ug/L
4-Methylphenol	ND	50	ug/L
Naphthalene	ND	50	ug/L
2-Nitroaniline	ND	250	ug/L
3-Nitroaniline	ND	250	ug/L
4-Nitroaniline	ND	250	ug/L
Nitrobenzene	ND	50	ug/L
2-Nitrophenol	ND	50	ug/L
4-Nitrophenol	ND	250	ug/L
N-Nitrosodiphenylamine	ND	50	ug/L
N-Nitrosodi-n-propyl-amine	ND	50	ug/L
Pentachlorophenol	ND	250	ug/L
Phenanthrene	ND	50	ug/L
Phenol	ND	50	ug/L
Pyrene	ND	50	ug/L
1,2,4-Trichloro-benzene	ND	50	ug/L
2,4,5-Trichloro-phenol	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	50 *	(58 - 125)
2-Fluorobiphenyl	49 *	(58 - 118)
Terphenyl-d14	59	(47 - 142)
2-Fluorophenol	48	(48 - 116)
Phenol-d5	52	(51 - 122)
2,4,6-Tribromophenol	46 *	(52 - 137)

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CONOCO INC.

Client Sample ID: B-12-B 11-14

SPLP GC/MS Semivolatiles

Lot-Sample #...: I1E230224-006 Work Order #...: EDTHE1AG Matrix.....: SOLID

NOTE(S):

Analysis performed in accordance with USEPA Synthetic Precipitation Leaching Procedure Method 1312

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: B-12-B 11-14

GC Volatiles

Lot-Sample #...: I1E230224-006	Work Order #...: EDTHE1AC		Matrix.....: SOLID
Date Sampled...: 05/21/01 13:00	Date Received..: 05/23/01		MS Run #.....: 1157212
Prep Date.....: 06/04/01	Analysis Date..: 06/04/01		
Prep Batch #...: 1157433	Analysis Time..: 19:00		
Dilution Factor: 4.76			
% Moisture.....: 15	Method.....: SW846 8021B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	12	4.8	ug/kg
Ethylbenzene	870	4.8	ug/kg
Toluene	29	4.8	ug/kg
Xylenes (total)	950	14	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	80	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	1370 *	(40 - 159)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogate a,a,a-TFT high due to coelution.

CONOCO INC.

Client Sample ID: B-13-B

GC Semivolatiles

Lot-Sample #...:	I1E230224-007	Work Order #...:	EDTHH1AA	Matrix.....:	SOLID
Date Sampled...:	05/21/01 13:00	Date Received..:	05/23/01	MS Run #.....:	1144278
Prep Date.....:	05/24/01	Analysis Date..:	06/04/01		
Prep Batch #...:	1144504	Analysis Time..:	20:31		
Dilution Factor:	10				
% Moisture.....:	13	Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	1600000	17000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	114	(40 - 144)
Dotriacontane	142	(42 - 159)

CONOCO INC.

Client Sample ID: B-13-B

GC Volatiles

Lot-Sample #...:	I1E230224-007	Work Order #...:	EDTHH1AD	Matrix.....:	SOLID
Date Sampled...:	05/21/01 13:00	Date Received..:	05/23/01	MS Run #.....:	1157220
Prep Date.....:	06/04/01	Analysis Date..:	06/04/01		
Prep Batch #...:	1157448	Analysis Time..:	20:27		
Dilution Factor:	1.98				
% Moisture.....:	13	Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	380000	9900	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	156	(14 - 165)

CONOCO INC.

Client Sample ID: B-13-B

SPLP GC/MS Volatiles

Lot-Sample #...: I1E230224-007	Work Order #...: EDTHH1AF	Matrix.....: SOLID
Date Sampled...: 05/21/01 13:00	Date Received..: 05/23/01	MS Run #.....: 1158057
Leach Date.....: 05/28/01	Prep Date.....: 06/05/01	Analysis Date..: 06/05/01
Leach Batch #..: P114904	Prep Batch #...: 1158166	Analysis Time..: 22:25
Dilution Factor: 1		
% Moisture.....: 13	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.0053**	**0.0050**	**mg/L**
Bromobenzene	ND	0.0050	mg/L
Bromochloromethane	ND	0.0050	mg/L
Bromodichloromethane	ND	0.0050	mg/L
Bromoform	ND	0.0050	mg/L
Bromomethane	ND	0.010	mg/L
n-Butylbenzene	**0.011**	**0.0050**	**mg/L**
sec-Butylbenzene	**0.0085**	**0.0050**	**mg/L**
tert-Butylbenzene	ND	0.0050	mg/L
Carbon tetrachloride	ND	0.0050	mg/L
Chlorobenzene	ND	0.0050	mg/L
Chlorodibromomethane	ND	0.0050	mg/L
Chloroethane	ND	0.010	mg/L
Chloroform	ND	0.0050	mg/L
Chloromethane	ND	0.010	mg/L
2-Chlorotoluene	ND	0.0050	mg/L
4-Chlorotoluene	ND	0.0050	mg/L
1,2-Dibromo-3-chloro-propane	ND	0.010	mg/L
1,2-Dibromoethane	ND	0.0050	mg/L
Dibromomethane	ND	0.0050	mg/L
1,2-Dichlorobenzene	ND	0.0050	mg/L
1,3-Dichlorobenzene	ND	0.0050	mg/L
1,4-Dichlorobenzene	ND	0.0050	mg/L
Dichlorodifluoromethane	ND	0.010	mg/L
1,1-Dichloroethane	ND	0.0050	mg/L
1,2-Dichloroethane	ND	0.0050	mg/L
1,1-Dichloroethene	ND	0.0050	mg/L
cis-1,2-Dichloroethene	ND	0.0050	mg/L
trans-1,2-Dichloroethene	ND	0.0050	mg/L
1,2-Dichloropropane	ND	0.0050	mg/L
1,3-Dichloropropane	ND	0.0050	mg/L
2,2-Dichloropropane	ND	0.0050	mg/L
1,1-Dichloropropene	ND	0.0050	mg/L
Ethylbenzene	**0.18 B**	**0.0050**	**mg/L**
Hexachlorobutadiene	**0.011**	**0.0050**	**mg/L**
Isopropylbenzene	**0.025**	**0.0050**	**mg/L**
p-Isopropyltoluene	**0.0062**	**0.0050**	**mg/L**

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CONOCO INC.

Client Sample ID: B-13-B

SPLP GC/MS Volatiles

Lot-Sample #...: I1E230224-007 Work Order #...: EDTHH1AF Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	0.0050	mg/L
Naphthalene	**0.033**	**0.0050**	**mg/L**
n-Propylbenzene	**0.031**	**0.0050**	**mg/L**
Styrene	ND	0.0050	mg/L
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/L
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/L
Tetrachloroethene	ND	0.0050	mg/L
Toluene	**0.016 B**	**0.0050**	**mg/L**
1,2,3-Trichlorobenzene	**0.0070**	**0.0050**	**mg/L**
1,2,4-Trichloro-benzene	**0.0077**	**0.0050**	**mg/L**
1,1,1-Trichloroethane	ND	0.0050	mg/L
1,1,2-Trichloroethane	ND	0.0050	mg/L
Trichloroethene	ND	0.0050	mg/L
Trichlorofluoromethane	ND	0.010	mg/L
1,2,3-Trichloropropane	ND	0.0050	mg/L
1,2,4-Trimethylbenzene	**0.080**	**0.0050**	**mg/L**
1,3,5-Trimethylbenzene	**0.024**	**0.0050**	**mg/L**
Vinyl chloride	ND	0.010	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	101	(42 - 183)
Toluene-d8	94	(69 - 128)
Dibromofluoromethane	85	(63 - 141)
1,2-Dichloroethane-d4	88	(58 - 141)

NOTE(S):

Analysis performed in accordance with USEPA Synthetic Precipitation Leaching Procedure Method 1312

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: B-13-B

SPLP GC/MS Semivolatiles

Lot-Sample #...: I1E230224-007	Work Order #...: EDTHH1AG	Matrix.....: SOLID
Date Sampled...: 05/21/01 13:00	Date Received..: 05/23/01	MS Run #.....: 1152093
Leach Date.....: 05/29/01	Prep Date.....: 06/01/01	Analysis Date..: 06/18/01
Leach Batch #..: P115011	Prep Batch #...: 1152226	Analysis Time..: 14:08
Dilution Factor: 5		
% Moisture.....: 13	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	50	ug/L
Acenaphthylene	ND	50	ug/L
Anthracene	ND	50	ug/L
Benz(a)anthracene	ND	50	ug/L
Benzo(b)fluoranthene	ND	50	ug/L
Benzo(k)fluoranthene	ND	50	ug/L
Benzo(ghi)perylene	ND	50	ug/L
Benzo(a)pyrene	ND	50	ug/L
bis(2-Chloroethoxy) methane	ND	50	ug/L
bis(2-Chloroethyl)- ether	ND	50	ug/L
bis(2-Chloroisopropyl) ether	ND	50	ug/L
bis(2-Ethylhexyl) phthalate	ND	50	ug/L
4-Bromophenyl phenyl ether	ND	50	ug/L
Butyl benzyl phthalate	ND	50	ug/L
4-Chloroaniline	ND	50	ug/L
4-Chloro-3-methylphenol	ND	50	ug/L
2-Chloronaphthalene	ND	50	ug/L
2-Chlorophenol	ND	50	ug/L
4-Chlorophenyl phenyl ether	ND	50	ug/L
Chrysene	ND	50	ug/L
Dibenz(a,h)anthracene	ND	50	ug/L
Dibenzofuran	ND	50	ug/L
Di-n-butyl phthalate	ND	50	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L
3,3'-Dichlorobenzidine	ND	250	ug/L
2,4-Dichlorophenol	ND	50	ug/L
Diethyl phthalate	ND	50	ug/L
2,4-Dimethylphenol	ND	50	ug/L
Dimethyl phthalate	ND	50	ug/L
4,6-Dinitro- 2-methylphenol	ND	250	ug/L

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CONOCO INC.

Client Sample ID: B-13-B

SPLP GC/MS Semivolatiles

Lot-Sample #...: I1E230224-007 Work Order #...: EDTHH1AG Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrophenol	ND	250	ug/L
2,4-Dinitrotoluene	ND	50	ug/L
2,6-Dinitrotoluene	ND	50	ug/L
Di-n-octyl phthalate	ND	50	ug/L
Fluoranthene	ND	50	ug/L
Fluorene	ND	50	ug/L
Hexachlorobenzene	ND	50	ug/L
Hexachlorobutadiene	ND	50	ug/L
Hexachlorocyclopenta-diene	ND	250	ug/L
Hexachloroethane	ND	50	ug/L
Indeno(1,2,3-cd)pyrene	ND	50	ug/L
Isophorone	ND	50	ug/L
2-Methylnaphthalene	ND	50	ug/L
2-Methylphenol	ND	50	ug/L
4-Methylphenol	ND	50	ug/L
Naphthalene	ND	50	ug/L
2-Nitroaniline	ND	250	ug/L
3-Nitroaniline	ND	250	ug/L
4-Nitroaniline	ND	250	ug/L
Nitrobenzene	ND	50	ug/L
2-Nitrophenol	ND	50	ug/L
4-Nitrophenol	ND	250	ug/L
N-Nitrosodiphenylamine	ND	50	ug/L
N-Nitrosodi-n-propyl-amine	ND	50	ug/L
Pentachlorophenol	ND	250	ug/L
Phenanthrene	ND	50	ug/L
Phenol	ND	50	ug/L
Pyrene	ND	50	ug/L
1,2,4-Trichloro-benzene	ND	50	ug/L
2,4,5-Trichloro-phenol	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	81	(58 - 125)
2-Fluorobiphenyl	81	(58 - 118)
Terphenyl-d14	71	(47 - 142)
2-Fluorophenol	79	(48 - 116)
Phenol-d5	84	(51 - 122)
2,4,6-Tribromophenol	94	(52 - 137)

(Continued on next page)

CONOCO INC.

Client Sample ID: B-13-B

SPLP GC/MS Semivolatiles

Lot-Sample #...: I1E230224-007 Work Order #...: EDTHH1AG Matrix.....: SOLID

NOTE(S):

Analysis performed in accordance with USEPA Synthetic Precipitation Leaching Procedure Method 1312

CONOCO INC.

Client Sample ID: B-13-B

GC Volatiles

Lot-Sample #...: I1E230224-007	Work Order #...: EDTHH1AC	Matrix.....: SOLID
Date Sampled...: 05/21/01 13:00	Date Received..: 05/23/01	MS Run #.....: 1157250
Prep Date.....: 06/04/01	Analysis Date..: 06/04/01	
Prep Batch #...: 1157484	Analysis Time..: 20:27	
Dilution Factor: 1.98		
% Moisture.....: 13	Method.....: SW846 8021B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	110	99	ug/kg
Ethylbenzene	11000	99	ug/kg
Toluene	390	99	ug/kg
Xylenes (total)	12000	300	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(70 - 130)

CONOCO INC.

Client Sample ID: B-11-B

GC Semivolatiles

Lot-Sample #...:	I1E230224-008	Work Order #...:	EDTHJ1AA	Matrix.....:	SOLID
Date Sampled...:	05/21/01 13:00	Date Received..:	05/23/01	MS Run #.....:	1144278
Prep Date.....:	05/24/01	Analysis Date..:	06/04/01		
Prep Batch #...:	1144504	Analysis Time..:	18:21		
Dilution Factor:	1				
% Moisture.....:	12	Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	3100	1700	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	107	(40 - 144)
Dotriacontane	106	(42 - 159)

CONOCO INC.

Client Sample ID: B-11-B

GC Volatiles

Lot-Sample #...:	I1E230224-008	Work Order #...:	EDTHJ1AD	Matrix.....:	SOLID
Date Sampled...:	05/21/01 13:00	Date Received..:	05/23/01	MS Run #.....:	1157213
Prep Date.....:	06/04/01	Analysis Date..:	06/04/01		
Prep Batch #...:	1157435	Analysis Time..:	18:18		
Dilution Factor:	1				
% Moisture.....:	12	Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	ND	100	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	93	(75 - 125)
Bromofluorobenzene	62	(14 - 165)

CONOCO INC.

Client Sample ID: B-11-B

GC Volatiles

Lot-Sample #...: I1E230224-008	Work Order #...: EDTHJ1AC	Matrix.....: SOLID
Date Sampled...: 05/21/01 13:00	Date Received..: 05/23/01	MS Run #.....: 1157212
Prep Date.....: 06/04/01	Analysis Date..: 06/04/01	
Prep Batch #...: 1157433	Analysis Time..: 18:18	
Dilution Factor: 1		
% Moisture.....: 12	Method.....: SW846 8021B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/kg
Ethylbenzene	ND	1.0	ug/kg
Toluene	ND	1.0	ug/kg
Xylenes (total)	ND	3.0	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	101	(40 - 159)

Patch T

GW - 20

REPORTS

YEAR(S):

2000