GW - 163

WORK PLANS

2001

MAXIM
TECHNOLOGIES INC®

March 2, 2001

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

RE: APEX COMPRESSOR STATION
GROUNDWATER INVESTIGATION
HOBBS, LEA COUNTY, NEW MEXICO

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 during January 23, 2001 at the Apex Compressor Station, west of Hobbs, New Mexico. The purpose of the subsurface investigations was to ascertain the groundwater gradient and horizontal extent of groundwater impacts.

BACKGROUND

The Apex facility is a recent acquisition of Conoco from LG&E Marketing, Inc. a subsidiary of LG&E Energy, Inc. of Hobbs, New Mexico. Based on environmental data generated by Maxim during the due diligence phase of the Conoco acquisition, groundwater impacts were noted at the above referenced facility. The Apex facility is located immediately north of the Hobbs Gas Plant. A four-strand barbwire fence surrounds the station. The station is composed of four compressors, a tank farm, incoming and outgoing pipelines with associated metering houses, and scrubbers. During the due diligence work (September 7 and 8, 2000), a total of six soil borings (B-1 through B-6) were advance to depths ranging from 35 to 75 feet below ground surface (bgs). Groundwater was encountered between 60 and 61 feet bgs.

Analysis of soil samples indicated no samples with hydrocarbon concentrations above the current New Mexico Oil Conservation Division (OCD) action levels.

Analysis of groundwater samples indicated one (B-6) of the three groundwater samples collected exhibited hydrocarbon concentrations in excess of OCD action levels (benzene @ 48.0 ug/L).

Groundwater impacts were identified near the hydrocarbon liquids storage (condensate) tanks (Figure 1). The OCD was notified of this impact on December 2, 2000 by letter.

SUBSURFACE INVESTIGATION

Maxim installed three, 2-inch diameter PVC monitor wells around the existing condensate tank farm at the Apex station with a truck-mounted drill rig. The wells were installed and developed per conditions specified by the January 11, 2001 project approval memo from the OCD.

Soil borings were continuously sampled during drilling activities and logged according to the Unified Soil Classification System. Soil samples were field screened with a photo-ionization detector (PID) to detect the presence of volatile organic vapors. Observations concerning soil types, lithologic changes, and the environmental condition of the encountered soils are presented in soil boring logs presented as Attachment 1.

Three soil samples were submitted for laboratory confirmation from each bore hole and analyzed for Benzene, Toluene, Ethlybeneze, and total Xylene (BTEX method 8021), Total Petroleum Hydrocarbons (TPH method 418.1 or 8015) and chlorides. The Laboratory Report is presented as Attachment 2

Gasoline Range Organic (GRO) constituents and BETX components were not detected in any soil sample. Diesel Range Organic (DRO) constituents and chlorides were detected in low concentrations (Table 1). No concentrations are above OCD action levels.

Table 1. Results of laboratory analysis of soil samples, Apex Compressor Station, west of Hobbs, New Mexico.

	MW-1			MW-2			MW-3		
	0-5 ft	5-10 ft	65-70 ft	0-5 ft	15-20 ft	60-65 ft	10-15 ft	25-30 ft	50-55 ft
BETX (ppb)	nd	nd	nd	nd	nd	nd	nd	nd	nd
GRO (ppb)	nd	nd	nd	nd	nd	nd	nd	nd	nd
DRO (ppb)	7000	nd	2300	nd	nd	2300	6200	3600	3000
Chloride (ppm)	nd	nd	11.6	nd	nd	nd	nd	nd	nd

ppb = parts per billion (ug/Kg)
ppm = parts per million (mg/Kg)
BETX = (Benzene, Ethylbenzene, Toluene, Total Xylenes)
GRO = Gasoline Range Organics
DRO = Diesel Range Organics

Groundwater samples were collected from the three monitor wells and analyzed for Volatile Organics (EPA method 8260) (Table 2), General chemistry, total dissolved solids, pH (EPA method CFR 40 136.3) and RCRA metals (Table 3), all using EPA approved methods and quality assurance/quality control (QA/QC) procedures.

Table 2. Results of laboratory analysis of groundwater samples by Method 8260, Apex Compressor Station, west of Hobbs, New Mexico. All concentrations reported in parts per billion (ppb).

	MW-1	MW-1 (Dup)	MW-2	MW-3	NM GW Standards
Benzene	15	16	9.2	78	10
n-Butylbenzene	3.7	3.7	nd	nd	
sec-Butylbenzene	nd	1.4	nd	nd	
Ethylbenzene	8.7	9.9	nd	25	750
Isopropylbenzene	2.5	2.6	nd	nd	
p-isopropyltoluene	nd	6.2	nd	nd	
Naphthalene	4.7	5.6	nd	nd	
n-Propylbenzene	3.8	3.8	nd	nd	
Toluene	24	24	12	230	750
1,2,4-Trimethylbenzene	27	29	nd	nd	
1,3,5-Trimethylbenzene	23	23	nd	nd	
o-Xylene	13	14	nd	43	620
m-Xylene and p-Xylene	54	59	1.4	150	

Table 3. Results of laboratory analysis of groundwater samples for general chemistry, total dissolved solids, pH and RCRA metals, Apex Compressor Station, west of Hobbs, New Mexico. All concentrations reported in parts per million (ppm).

	MW-1	MW-1 (Dup)	MW-2	MW-3	NM GW Standards
Arsenic	0.045	0.06	0.045	0.03	0.1
Barium	1.5	2.2	1.7	2.8	1
Calcium	1180	1620	1230	543	
Cadmium	nd	nd	nd	nd	0.01
Chromium	0.15	0.19	0.22	0.063	0.05
Magnesium	109	147	119	91.1	
Selenium	nd	nd	nd	nd	0.05
Sodium	96.6	126	34.6	286	
Lead	0.021	0.028	0.028	0.011	0.05
pH (liquid)	7.8	7.7	7.9	7.8	
TDS	800	910	450	1190	
Chloride	259	289	26.5	433	
Sulfate	49.7	47.6	56.6	3.8	
Nitrate	0.96	1	2.4	nd	
Total Alkalinity	194	189	159	348	

Soil cuttings and purge water generated by the monitor well installation were containerized and will be disposed of at CRI in Hobbs.

RESULTS OF INVESTIGATIONS

The soil borings typically encountered poorly graded sand with minor gravel in the upper 30 feet of the soil column. Below 30 feet, gravel was less common. Groundwater was encountered at approximately 60 feet bgs. Figure 2 is a water table potentiometric map showing the location of monitor wells and other site features. Figure 2 indicates that the groundwater flow direction is south-southeast with a gradient of 0.0059 feet per foot.

Analytical data (Tables 2 and 3) indicate that benzene, barium, and chromium exceed New Mexico Groundwater Quality Standards. Figures 3, 4, and 5 are groundwater isopleth maps of concentrations of benzene, barium, and chromium, respectively.

CONCLUSIONS

- Site soils are not impacted in the area surrounding the tank farm.
- Groundwater contains concentrations of benzene, barium, and chromium that are above New Mexico Groundwater Quality Standards.
- The horizontal extent of site related groundwater concentrations has not been defined.

RECOMENDATIONS

Results of the subsurface investigation indicate that there may be site related impacts to groundwater and justify further investigation of subsurface conditions at the facility. We propose the installation of four additional monitor wells and collection of one round of chemical and water level data from all site wells. This action will provide the following:

- Further definition of levels of constituents in groundwater,
- Further definition of groundwater flow directions at the Facility,
- An indication of upgradient or background concentrations of constituents.

Specific monitor well locations are presented in Figure 6 and justifications for each location are as follows:

- Monitor well MW-4 will be installed north of the water storage tank (Figure 6) to monitor background levels of constituents and to help define groundwater flow directions,

- Monitor well MW-5 will be installed approximately 60 feet northeast of MW-3 to help define the horizontal extent of site related constituents,

- Monitor well MW-7 will be installed approximately 60 feet southwest of MW-3 to help define the horizontal extent of site related constituents, and

- Monitor well MW-8 will be installed approximately 100 feet southeast of MW-3 and directly downgradient to help define the horizontal extent of site related constituents.

Proposed monitor well locations may vary depending upon access issues primarily involving underground piping.

New monitor wells will be completed as follows:

- At least 15 feet of well screen will be placed across the water table interface with 5 feet of the well screen above the water table and 10 feet of the well screen below the water table.

- An appropriately sized gravel pack will be set in the annulus around the well screen from the bottom of the hole to 2-3 feet above the top of the well screen.

- A 2-3 foot bentonite plug will be placed above the gravel pack.

- The remainder of the hole will be grouted to the surface with cement containing 3-5% bentonite.

- A concrete pad will be placed at the surface around the well. The well will be installed with a suitable protective locking device.

The wells will be developed after construction using EPA approved procedures.

No less than 48 hours after the well(s) are developed, ground water from all monitor well(s) will be purged, sampled and analyzed for Volatile Organics (EPA method 8260), General chemistry, total dissolved solids, pH (EPA method CFR 40 136.3) and New Mexico Water Quality Control Commission (WQCC) metals, all using EPA approved methods and quality assurance/quality control (QA/QC) procedures.

All wastes generated during the investigation will be disposed of at an OCD approved facility.

We are prepared to initiate these actions as soon as we receive your approval to proceed. If you have any questions or comments regarding this report, please do not hesitate to contact Clyde Yancey (Maxim) at 505-237-8440 or John Skopak (Conoco) at 281-293-5584. We would appreciate your review and approval of the plan we have presented at your earliest convenience.

Sincerely,

MAXIM TECHNOLOGIES, INC.

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

Daniel W. Erskine, Ph.D.
Senior Geochemist

Attachments

Copy:
John E. Skopak, Conoco Remediation Technology/Houston, TX
Mark Bishop, Conoco NG&GP/Maljamar, NM
OCD/Hobbs, NM

FIGURES

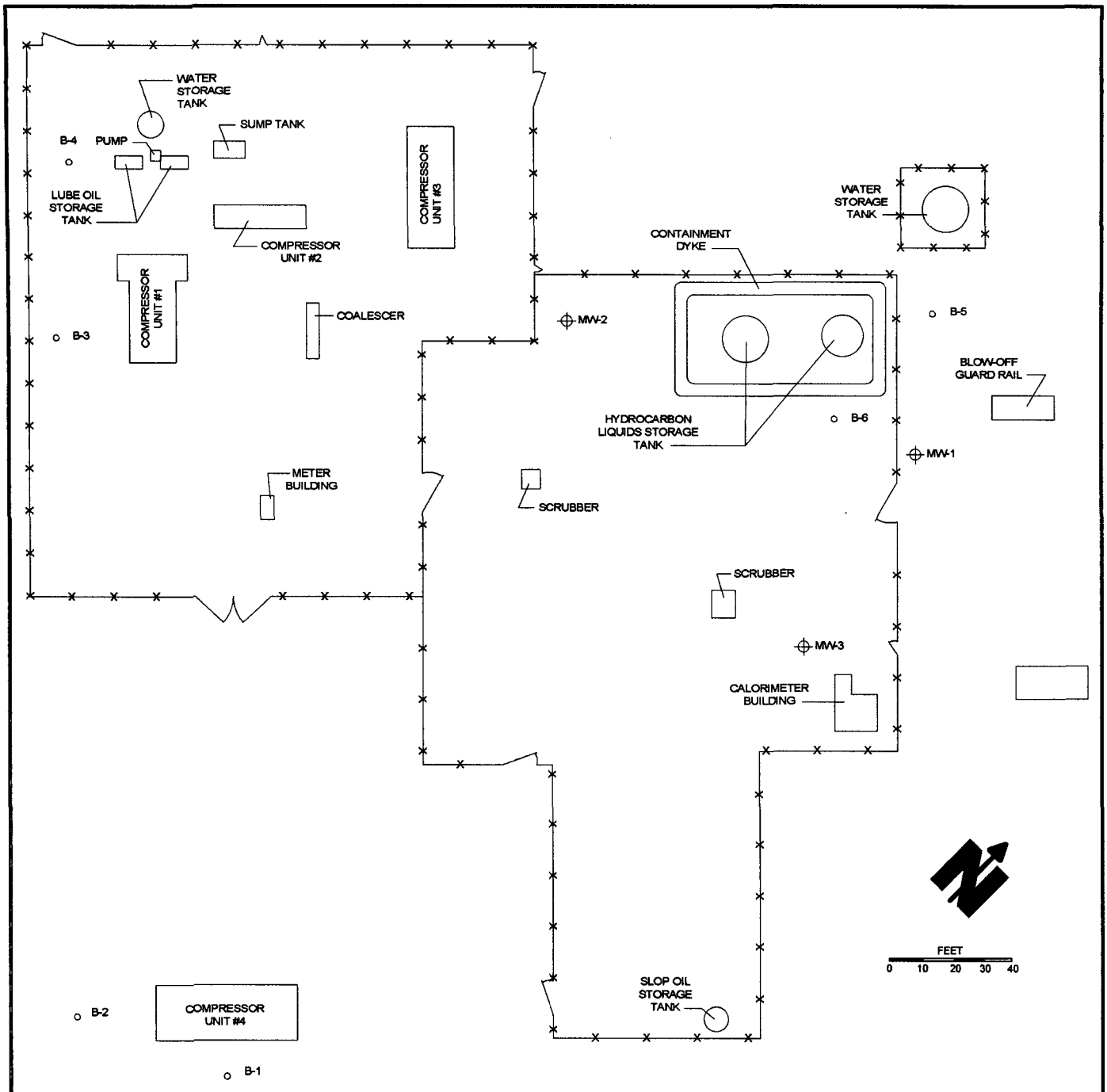

Figure 1. Site Map

CONOCO Apex Compressor Station,
West of Hobbs, New Mexico

MAXIM TECHNOLOGIES INC®

Project No. 2007219	Drawing By: DWE Date: 03/02/01
File Name: Figure 1.dsf	Checked By: DWE Date: 03/02/01

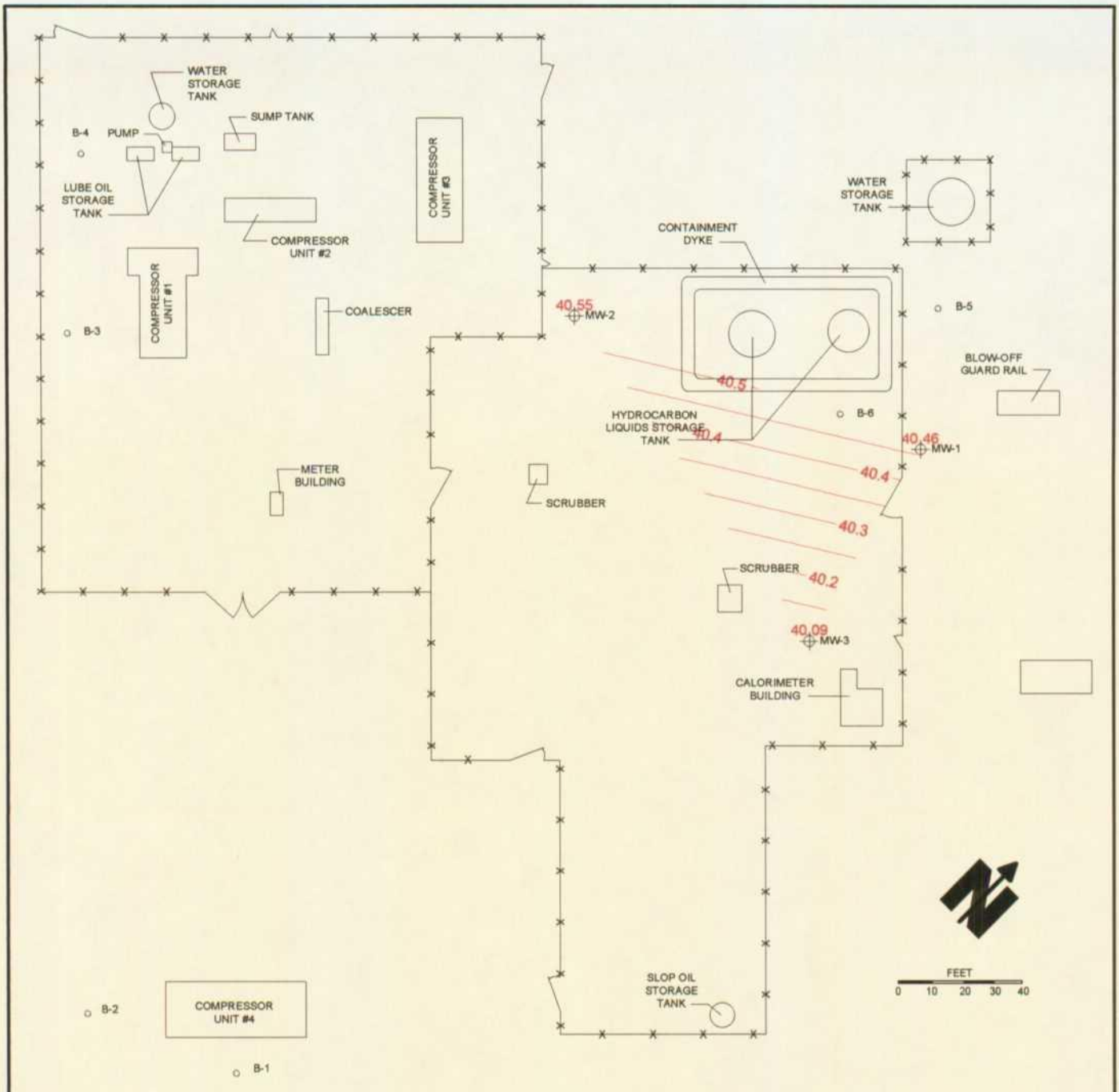

Figure 2. Potentiometric Map

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CONOCO Apex Compressor Station,
West of Hobbs, New Mexico

Project No. 2007219	Drawing By: DWE Date: 03/02/01
File Name: Figure 2.dsf	Checked By: DWE Date: 03/02/01

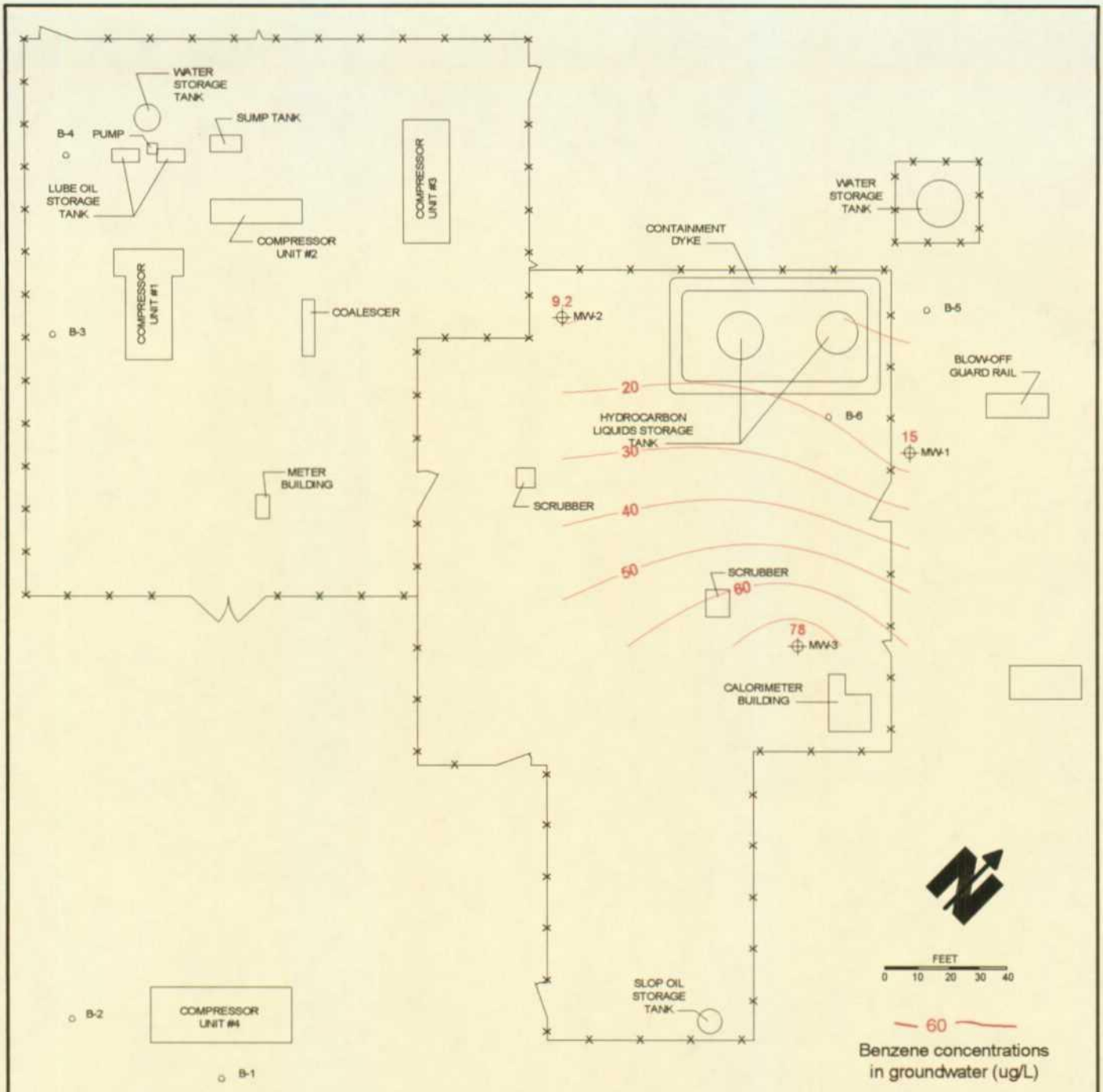

Figure 3. Benzene Isopleths

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CONOCO Apex Compressor Station,
West of Hobbs, New Mexico

Project No. 2007219	Drawing By: DWE Date: 03/02/01
File Name: Figure 3.dsf	Checked By: DWE Date: 03/02/01

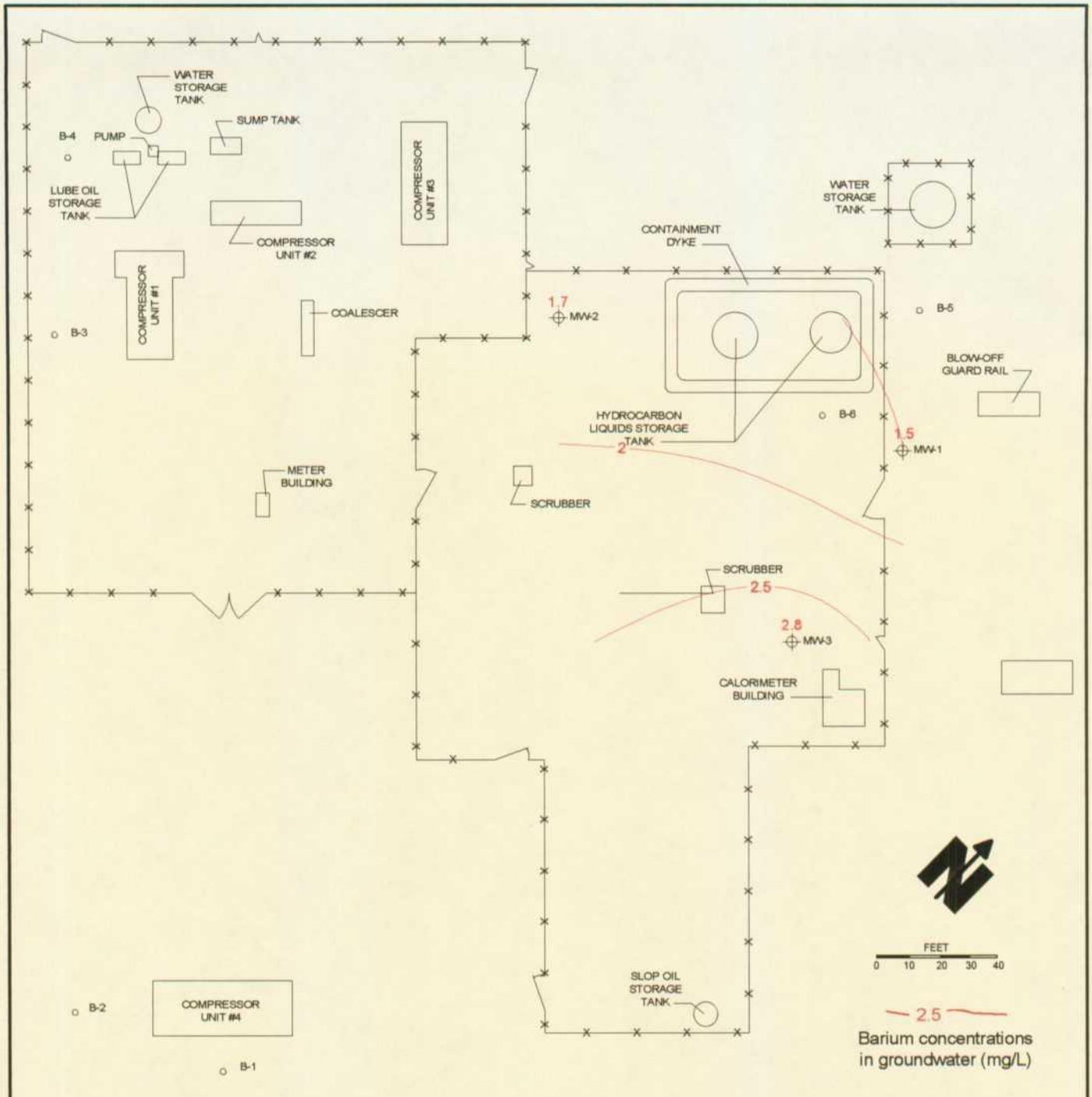

Figure 4. Barium Isopleths

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CONOCO Apex Compressor Station,
West of Hobbs, New Mexico

Project No. 2007219	Drawing By: DWE Date: 03/02/01
File Name: Figure 4.dsf	Checked By: DWE Date: 03/02/01

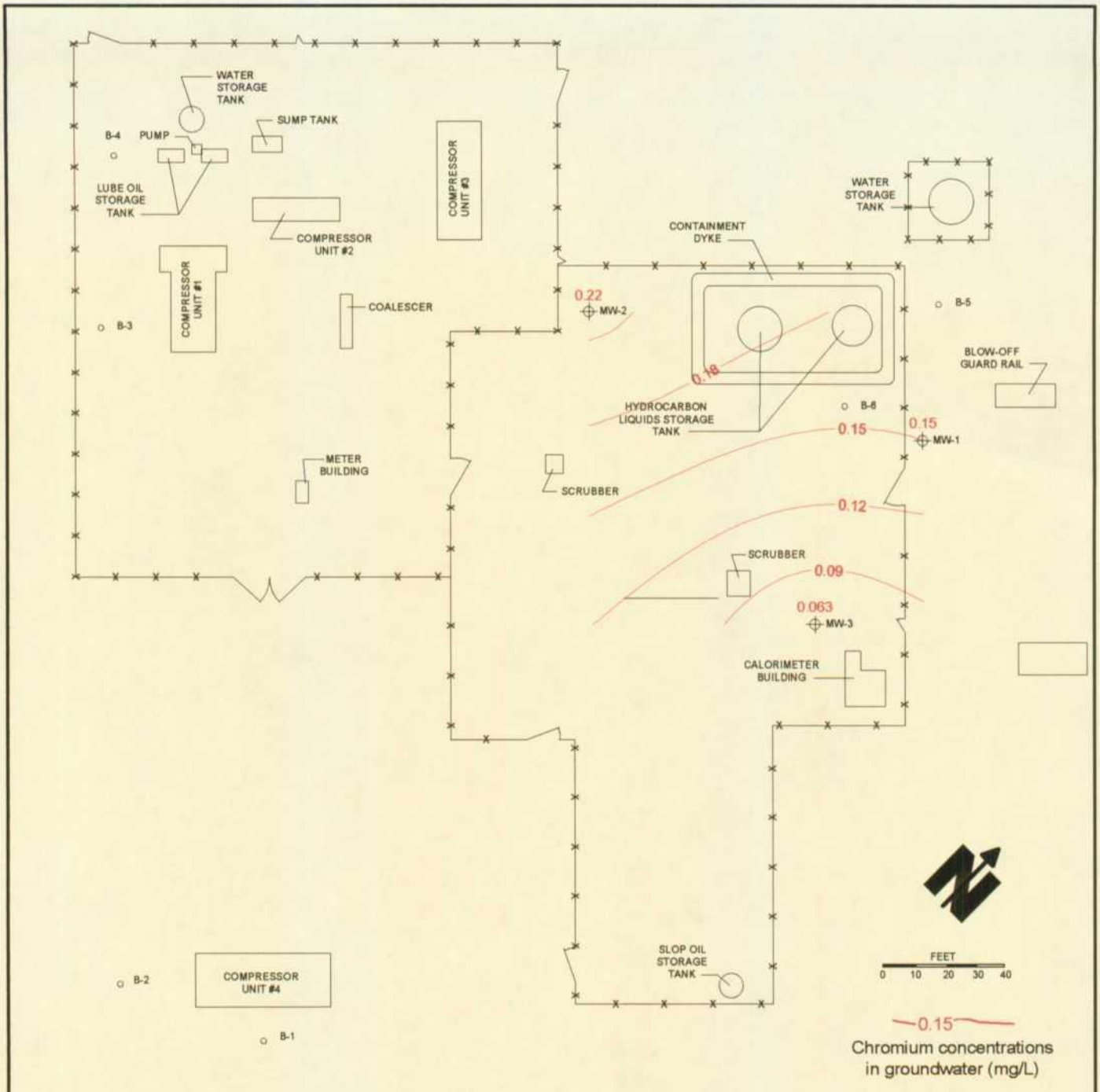

Figure 5. Chromium Isopleths

CONOCO Apex Compressor Station,
West of Hobbs, New Mexico

MAXIM TECHNOLOGIES INC®

Project No. 2007219	Drawing By: DWE Date: 03/02/01
File Name: Figure 5.dsf	Checked By: DWE Date: 03/02/01

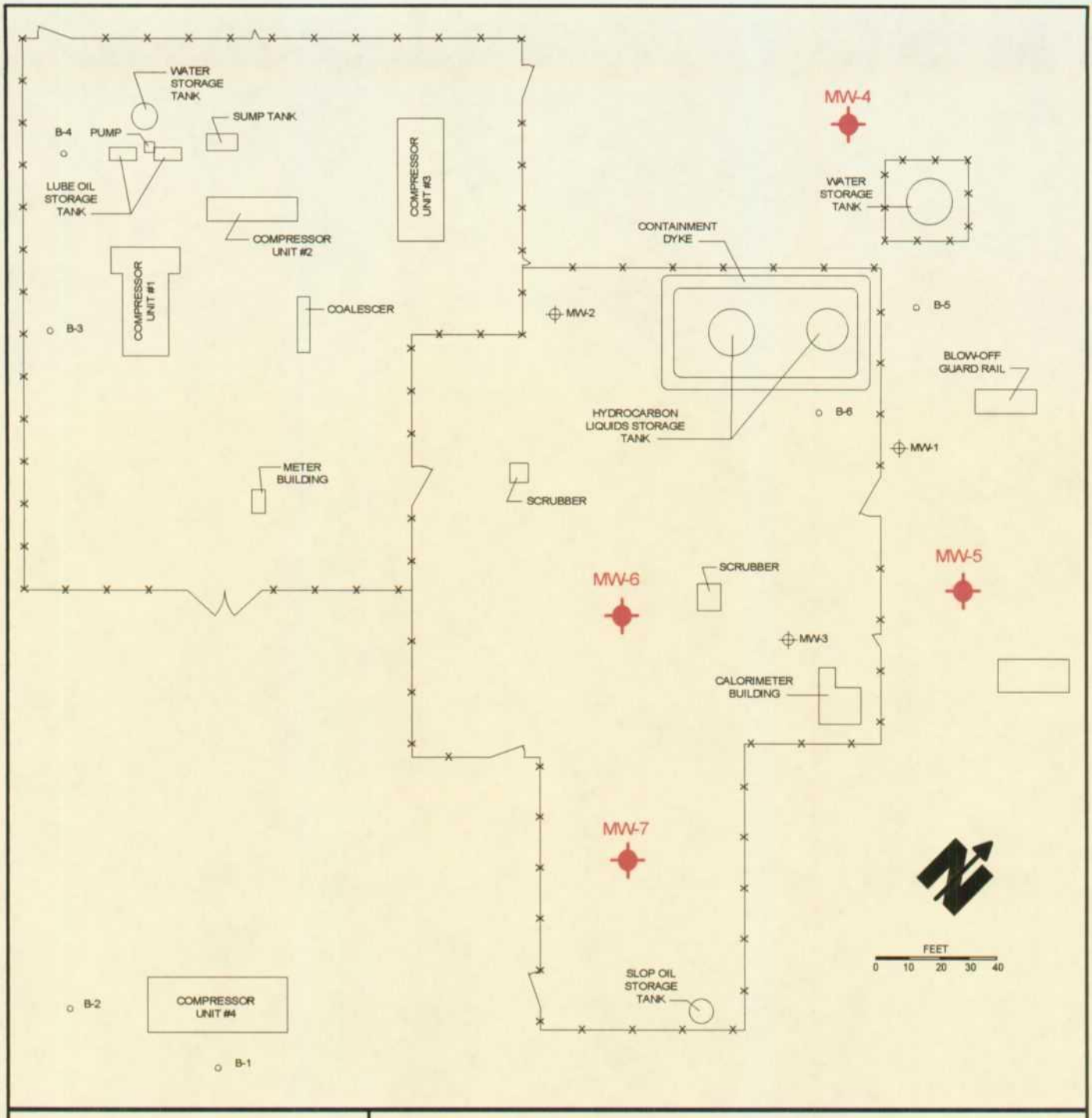

Figure 6. Proposed Monitor Well Locations

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CONOCO Apex Compressor Station,
West of Hobbs, New Mexico

Project No. 2007219	Drawing By: DWE Date: 03/02/01
File Name: Figure 6.dsf	Checked By: DWE Date: 03/02/01

ATTACHMENT 1
Soil Boring Logs

PROJECT NAME: APEX Compressor Station

LEGAL LOCATION:

DRILL TYPE: Air Rotary

DRILLED BY: HARRISON & COOPER, INC.

LOGGED BY: Anne Stewart

REMARKS: ND=Non Detect
bgs=below ground surface
NS=No Sample

MONITORING WELL NO. MW1-B7

LOCATION Apex Compressor Station
Hobbs, Lea County, New Mexico

ELEVATION: TOP OF HOLE:

DEPTH GROUNDWATER ENCOUNTERED: 59.8 (ft)

BORE HOLE DIAMETER: 4 3/4 (in)

DATE: HOLE STARTED: 1/23/01

COMPLETED: 1/23/01

DEPTH (ft)	SAMPLE ID	CLASSIFICATION AND DESCRIPTION	USCS SYMBOL	BLOW COUNT	SAMPLE TO LAB	TIME	% RECOVERY	FID RESULT (ppm)
0.0	1	Poorly graded SAND with gravel, gray to white	SP		Y			70+
-5.0	2	Poorly graded SAND with gravel, light tan	SP		Y			16.8
-10.0		Poorly graded SAND with gravel, tan, slightly damp	SP					9.8
-15.0		Poorly graded SAND with gravel, tan, slightly damp	SP					7.0
-20.0		Poorly graded SAND with gravel, reddish tan, dry	SP					1.8
-25.0		Poorly graded SAND with gravel, reddish tan, dry, cobbles encountered in drilling	SP					10.3
-30.0		Poorly graded SAND, tan, dry	SP					8.7
-35.0		Poorly graded SAND, tan, dry	SP					12.4
-40.0		Poorly graded SAND, tan, dry	SP					5.0
-45.0		Poorly graded SAND, tan, slightly damp	SP					2.5
-50.0		Poorly graded SAND, tan, dry	SP					6.5
-55.0		Poorly graded SAND, tan, slightly damp	SP					8.8
71.0								

Split Spoon Sample (ASTM D1586)

2007219	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	MW1-B7

PROJECT NAME: APEX Compressor Station

LEGAL LOCATION:

DRILL TYPE: Air Rotary

DRILLED BY: HARRISON & COOPER, INC.

LOGGED BY: Anne Stewart

REMARKS: ND=Non Detect
bgs=below ground surface
NS=No Sample

MONITORING WELL NO: MW1-B7

LOCATION: Apex Compressor Station
Hobbs, Lea County, New Mexico

ELEVATION: TOP OF HOLE:

DEPTH GROUNDWATER ENCOUNTERED: 59.8 (ft)

BORE HOLE DIAMETER: 4 3/4 (in)

DATE: HOLE STARTED: 1/23/01

COMPLETED: 1/23/01

DEPTH (ft)	SAMPLE ID	CLASSIFICATION AND DESCRIPTION	USCS SYMBOL	BLOW COUNT	SAMPLE TO LAB	TIME	% RECOVERY	FID RESULT (ppm)
-60.0								
		Poorly graded SAND, tan, slightly damp	SP					3.8
-65.0		Poorly graded SAND grading to GRAVEL at 68 ft, tan, dry	SP GW					37.1
-70.0		Poorly graded SAND, no sample recovery						

71.0

Split Spoon Sample (ASTM D1586)

PROJECT NAME: APEX Compressor Station

LEGAL LOCATION:

DRILL TYPE: Air Rotary

DRILLED BY: HARRISON & COOPER, INC.

LOGGED BY: Anne Stewart

REMARKS: ND=Non Detect
bgs=below ground surface
NS=No Sample

MONITORING WELL NO. MW2-B8

LOCATION Apex Compressor Station
Hobbs, Lea County, New Mexico

ELEVATION: TOP OF HOLE:

DEPTH GROUNDWATER ENCOUNTERED: 59.7 (ft)

BORE HOLE DIAMETER: 4 3/4 (in)

DATE: HOLE STARTED: 1/23/01

COMPLETED: 1/23/01

DEPTH (ft)	SAMPLE ID	CLASSIFICATION AND DESCRIPTION	USCS SYMBOL	BLOW COUNT	SAMPLE TO LAB	TIME	% RECOVERY	FID RESULT (ppm)
0.0		Gravel Surfacing						
	1	Silty SAND with gravel, light tan, dry	SP		Y			103.0
-5.0		Poorly graded SAND with caliche, white to tan	SP					68.8
-10.0		Poorly graded SAND, tan, dry	SP		Y			30.3
	2	Poorly graded SAND, reddish tan, damp	SP					131.1
-15.0		Poorly graded SAND with gravel, reddish tan, slightly damp	SP					43.2
-20.0		Poorly graded SAND, tan, dry	SP					1.3
-25.0		Poorly graded SAND, tan, dry	SP					67.9
-30.0		Poorly graded SAND, tan, dry	SP					35.8
-35.0		Poorly graded SAND, tan, dry	SP					14.5
-40.0		Poorly graded SAND, tan, dry	SP					13.4
-45.0		Poorly graded SAND, tan, damp	SP					15.6
-50.0		Poorly graded SAND, tan, damp	SP					37.0
-55.0								

71.0

Split Spoon Sample (ASTM D1586)

2007219	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	MW2-B8

PROJECT NAME: APEX Compressor Station

LEGAL LOCATION:

DRILL TYPE: Air Rotary

DRILLED BY: HARRISON & COOPER, INC.

LOGGED BY: Anne Stewart

REMARKS: ND=Non Detect
bgs=below ground surface
NS=No Sample

MONITORING WELL NO. MW2-B8

LOCATION Apex Compressor Station
Hobbs, Lea County, New Mexico

ELEVATION: TOP OF HOLE:

DEPTH GROUNDWATER ENCOUNTERED: 59.7 (ft)

BORE HOLE DIAMETER: 4 3/4 (in)

DATE: HOLE STARTED: 1/23/01

COMPLETED: 1/23/01

DEPTH (ft)	SAMPLE ID	CLASSIFICATION AND DESCRIPTION	USCS SYMBOL	BLOW COUNT	SAMPLE TO LAB	TIME	% RECOVERY	FID RESULT (ppm)
-60.0								
	3	Poorly graded SAND, tan, damp to wet	SP		Y			79.1
-65.0		Poorly graded SAND, tan, damp to wet	SP					36.3
-70.0								

71.0

Split Spoon Sample (ASTM D1586)

PROJECT NAME: APEX Compressor Station
LEGAL LOCATION:
DRILL TYPE: Air Rotary
DRILLED BY: HARRISON & COOPER, INC.
LOGGED BY: Anne Stewart
REMARKS: ND=Non Detect
bgs=below ground surface
NS=No Sample

MONITORING WELL NO. MW3-B9
LOCATION Apex Compressor Station
Hobbs, Lea County, New Mexico
ELEVATION: TOP OF HOLE:
DEPTH GROUNDWATER ENCOUNTERED: 59.8 (ft)
BORE HOLE DIAMETER: 4 3/4 (in)
DATE: HOLE STARTED: 1/23/01
COMPLETED: 1/23/01

DEPTH (ft)	SAMPLE ID	CLASSIFICATION AND DESCRIPTION	USCS SYMBOL	BLOW COUNT	SAMPLE TO LAB	TIME	% RECOVERY	FID RESULT (ppm)
0.0		GRAVEL surfacing						
		No Recovery	SP					NS
-5.0		Poorly graded SAND with gravel, tan, dry	SP					12.0
-10.0		Poorly graded SAND with gravel, tan, dry	SP					23.8
-15.0	1	Poorly graded SAND, reddish tan, slightly damp	SP		Y			6.4
-20.0		Poorly graded SAND, reddish tan, slightly damp	SP					10.9
-25.0		Poorly graded SAND with gravel, reddish tan, dry	SP					19.1
-30.0	2	Poorly graded SAND, light tan, dry	SP		Y			9.6
-35.0		Poorly graded SAND, light tan, slightly damp	SP					3.6
-40.0		Poorly graded SAND with gravel, light tan, dry	SP					9.9
-45.0		Poorly graded SAND, light reddish tan, dry	SP					14.8
-50.0		Poorly graded SAND with gravel, light reddish tan, dry	SP					22.3
-55.0	3	Poorly graded SAND with gravel, light reddish tan, dry	SP		Y			5.6

70.5

Split Spoon Sample (ASTM D1586)

2007219	MAXIM TECHNOLOGIES INC	LOG OF EXPLORATORY BORING	MW3-B9

PROJECT NAME: APEX Compressor Station

LEGAL LOCATION:

DRILL TYPE: Air Rotary

DRILLED BY: HARRISON & COOPER, INC.

LOGGED BY: Anne Stewart

REMARKS: ND=Non Detect
bgs=below ground surface
NS=No Sample

MONITORING WELL NO. MW3-B9

LOCATION Apex Compressor Station
Hobbs, Lea County, New Mexico

ELEVATION: TOP OF HOLE:

DEPTH GROUNDWATER ENCOUNTERED: 59.8 (ft)

BORE HOLE DIAMETER: 4 3/4 (in)

DATE: HOLE STARTED: 1/23/01

COMPLETED: 1/23/01

DEPTH (ft)	SAMPLE ID	CLASSIFICATION AND DESCRIPTION	USCS SYMBOL	BLOW COUNT	SAMPLE TO LAB	TIME	% RECOVERY	FID RESULT (ppm)
-60.0								
-65.0		Poorly graded SAND, grayish tan, dry	SP					8.2
		Poorly graded SAND, grayish tan, dry	SP					9.5
-70.0								

70.5

Split Spoon Sample (ASTM D1586)

ATTACHMENT 2
Laboratory Report

[redacted]

Certificate of Analysis

STL Austin
14046 Summit Drive
Austin, Texas 78728

Tel: 512 310 5202
Fax: 512 244 0160
www.stl-inc.com

SEVERN TRENT SERVICES

STL Austin

ANALYTICAL REPORT

PROJECT NO. APEX, NM

Apex Compressor Station

Lot #: I1A250132

Clyde Yancey

Maxim Technologies
10601 Lomas NE Ste 106
Albuquerque, NM 87112

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler
Project Manager

February 12, 2001

CASE NARRATIVE

I1A250132

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.

The TDS analysis was performed one day past the recommended hold time due to laboratory error.

Recoveries of DRO were outside limits for the Matrix Spike/Matrix Spike Duplicate of sample 007 for batch 1030465.

Matrix Spike/Matrix Spike Duplicate recoveries of calcium, magnesium, and sodium were reported as NC (not calculated) because the sample amount was greater than four times the spike amount for the non-project specific QC sample for batch 1026250.

EXECUTIVE SUMMARY - Detection Highlights

I1A250132

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-1 01/23/01 16:30 001				
Arsenic	0.045	0.010	mg/L	SW846 6010B
Barium	1.5	0.20	mg/L	SW846 6010B
Calcium	1180	25.0	mg/L	SW846 6010B
Chromium	0.15	0.025	mg/L	SW846 6010B
Magnesium	109	5.0	mg/L	SW846 6010B
Sodium	96.6	25.0	mg/L	SW846 6010B
Lead	0.021	0.0030	mg/L	SW846 6010B
Benzene	15	1.0	ug/L	SW846 8260B
n-Butylbenzene	3.7	1.0	ug/L	SW846 8260B
Ethylbenzene	8.7	1.0	ug/L	SW846 8260B
Isopropylbenzene	2.5	1.0	ug/L	SW846 8260B
Naphthalene	4.7	1.0	ug/L	SW846 8260B
n-Propylbenzene	3.8	1.0	ug/L	SW846 8260B
Toluene	24	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	27	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	23	1.0	ug/L	SW846 8260B
o-Xylene	13	0.50	ug/L	SW846 8260B
m-Xylene & p-Xylene	54	0.50	ug/L	SW846 8260B
pH (liquid)	7.8 H	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	800 H	40.0	mg/L	MCAWW 160.1
Chloride	259	20.0	mg/L	MCAWW 300.0A
Sulfate	49.7	10.0	mg/L	MCAWW 300.0A
Nitrate	0.96	0.50	mg/L	MCAWW 300.0A
Total Alkalinity	194	5.0	mg/L	MCAWW 310.1
MW-2 01/23/01 16:45 002				
Arsenic	0.045	0.010	mg/L	SW846 6010B
Barium	1.7	0.20	mg/L	SW846 6010B
Calcium	1230	25.0	mg/L	SW846 6010B
Chromium	0.22	0.025	mg/L	SW846 6010B
Magnesium	119	5.0	mg/L	SW846 6010B
Sodium	34.6	25.0	mg/L	SW846 6010B
Lead	0.028	0.0030	mg/L	SW846 6010B
Benzene	9.2	1.0	ug/L	SW846 8260B
Toluene	12	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	1.4	0.50	ug/L	SW846 8260B
pH (liquid)	7.9 H	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	450 H	40.0	mg/L	MCAWW 160.1
Chloride	26.5	10.0	mg/L	MCAWW 300.0A
Sulfate	56.6	10.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I1A250132

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-2 01/23/01 16:45 002				
Nitrate	2.4	0.50	mg/L	MCAWW 300.0A
Total Alkalinity	159	5.0	mg/L	MCAWW 310.1
MW-3 01/23/01 16:55 003				
Arsenic	0.030	0.010	mg/L	SW846 6010B
Barium	2.8	0.20	mg/L	SW846 6010B
Calcium	543	50.0	mg/L	SW846 6010B
Chromium	0.063	0.050	mg/L	SW846 6010B
Magnesium	91.1	5.0	mg/L	SW846 6010B
Sodium	286	50.0	mg/L	SW846 6010B
Lead	0.011	0.0030	mg/L	SW846 6010B
Benzene	78	25	ug/L	SW846 8260B
Ethylbenzene	25	25	ug/L	SW846 8260B
Toluene	230	25	ug/L	SW846 8260B
o-Xylene	43	12	ug/L	SW846 8260B
m-Xylene & p-Xylene	150	12	ug/L	SW846 8260B
pH (liquid)	7.8 H	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1190 H	40.0	mg/L	MCAWW 160.1
Chloride	433	50.0	mg/L	MCAWW 300.0A
Sulfate	3.8	1.0	mg/L	MCAWW 300.0A
Total Alkalinity	348	5.0	mg/L	MCAWW 310.1
MW-4 01/23/01 17:00 004				
Arsenic	0.060	0.010	mg/L	SW846 6010B
Barium	2.2	0.20	mg/L	SW846 6010B
Calcium	1620	25.0	mg/L	SW846 6010B
Chromium	0.19	0.025	mg/L	SW846 6010B
Sodium	126	25.0	mg/L	SW846 6010B
Lead	0.028	0.0030	mg/L	SW846 6010B
Magnesium	147	5.0	mg/L	SW846 6010B
Benzene	16	1.0	ug/L	SW846 8260B
n-Butylbenzene	3.7	1.0	ug/L	SW846 8260B
sec-Butylbenzene	1.4	1.0	ug/L	SW846 8260B
Ethylbenzene	9.9	1.0	ug/L	SW846 8260B
Isopropylbenzene	2.6	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	6.2	1.0	ug/L	SW846 8260B
Naphthalene	5.6	1.0	ug/L	SW846 8260B
n-Propylbenzene	3.8	1.0	ug/L	SW846 8260B
Toluene	24	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	29	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I1A250132

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-4 01/23/01 17:00 004				
1,3,5-Trimethylbenzene	23	1.0	ug/L	SW846 8260B
o-Xylene	14	0.50	ug/L	SW846 8260B
m-Xylene & p-Xylene	59	0.50	ug/L	SW846 8260B
pH (liquid)	7.7 H	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	910 H	40.0	mg/L	MCAWW 160.1
Chloride	289	50.0	mg/L	MCAWW 300.0A
Sulfate	47.6	1.0	mg/L	MCAWW 300.0A
Nitrate	1.0	0.50	mg/L	MCAWW 300.0A
Total Alkalinity	189	5.0	mg/L	MCAWW 310.1
MW1 0'- 5' 01/23/01 10:30 005				
Diesel Range Organics	7000	1700	ug/kg	SW846 8015B
Percent Moisture	12.3	0.50	%	ASTM D 2216-90
MW1 5'-10' 01/23/01 10:30 006				
Percent Moisture	6.3	0.50	%	ASTM D 2216-90
MW1 65'-70' 01/23/01 10:30 007				
Diesel Range Organics	2300	1700	ug/kg	SW846 8015B
Chloride	11.6	10.0	mg/kg	MCAWW 300.0A
Percent Moisture	3.9	0.50	%	ASTM D 2216-90
MW2 0'- 5' 01/23/01 11:30 008				
Percent Moisture	6.0	0.50	%	ASTM D 2216-90
MW2 15'-20' 01/23/01 11:30 009				
Percent Moisture	8.1	0.50	%	ASTM D 2216-90
MW2 60'-65' 01/23/01 11:30 010				
Diesel Range Organics	2300	1700	ug/kg	SW846 8015B
Percent Moisture	5.5	0.50	%	ASTM D 2216-90

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I1A250132

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW3 10'-15' 01/23/01 14:30 011				
Diesel Range Organics	6200	1700	ug/kg	SW846 8015B
Percent Moisture	4.4	0.50	%	ASTM D 2216-90
MW3 25'-30' 01/23/01 14:30 012				
Diesel Range Organics	3600	1700	ug/kg	SW846 8015B
Percent Moisture	4.8	0.50	%	ASTM D 2216-90
MW3 50'-55' 01/23/01 14:30 013				
Diesel Range Organics	3000	1700	ug/kg	SW846 8015B
Percent Moisture	5.3	0.50	%	ASTM D 2216-90

ANALYTICAL METHODS SUMMARY

I1A250132

PARAMETER	ANALYTICAL METHOD
pH (Electrometric)	MCAWW 150.1
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
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

I1A250132

#	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
WP	001	MW-1	01/23/01	16:30
WV	002	MW-2	01/23/01	16:45
WW	003	MW-3	01/23/01	16:55
WX	004	MW-4	01/23/01	17:00
W0	005	MW1 0'- 5'	01/23/01	10:30
W2	006	MW1 5'-10'	01/23/01	10:30
W6	007	MW1 65'-70'	01/23/01	10:30
W8	008	MW2 0'- 5'	01/23/01	11:30
W9	009	MW2 15'-20'	01/23/01	11:30
XC	010	MW2 60'-65'	01/23/01	11:30
XD	011	MW3 10'-15'	01/23/01	14:30
XF	012	MW3 25'-30'	01/23/01	14:30
XH	013	MW3 50'-55'	01/23/01	14:30

E(S):

nalytical results of the samples listed above are presented on the following pages.

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

lts noted as "ND" were not detected at or above the stated limit.

s for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CONOCO INC.

Client Sample ID: MW-1

GC/MS Volatiles

t-Sample #...: I1A250132-001 Work Order #...: DT4WP1AJ Matrix.....: WATER
te Sampled...: 01/23/01 16:30 Date Received..: 01/25/01 MS Run #.....: 1038191
ep Date.....: 02/05/01 Analysis Date..: 02/05/01
ep Batch #...: 1038416 Analysis Time..: 18:35
lution Factor: 1

Method.....: SW846 8260B

RAMETER	RESULT	REPORTING LIMIT	UNITS
nzene	**15**	**1.0**	**ug/L**
omobenzene	ND	1.0	ug/L
omochloromethane	ND	1.0	ug/L
omodichloromethane	ND	1.0	ug/L
omoform	ND	1.0	ug/L
omomethane	ND	2.0	ug/L
Butylbenzene	**3.7**	**1.0**	**ug/L**
c-Butylbenzene	ND	1.0	ug/L
rt-Butylbenzene	ND	1.0	ug/L
rbon tetrachloride	ND	1.0	ug/L
lorobenzene	ND	1.0	ug/L
lorodibromomethane	ND	1.0	ug/L
loroethane	ND	2.0	ug/L
loroform	ND	1.0	ug/L
loromethane	ND	2.0	ug/L
hlorotoluene	ND	1.0	ug/L
hlorotoluene	ND	1.0	ug/L
-Dibromo-3-chloro-propane	ND	2.0	ug/L
-Dibromoethane	ND	1.0	ug/L
romomethane	ND	1.0	ug/L
-Dichlorobenzene	ND	1.0	ug/L
-Dichlorobenzene	ND	1.0	ug/L
-Dichlorobenzene	ND	1.0	ug/L
hlorodifluoromethane	ND	2.0	ug/L
-Dichloroethane	ND	1.0	ug/L
-Dichloroethane	ND	1.0	ug/L
-Dichloroethene	ND	1.0	ug/L
-1,2-Dichloroethene	ND	0.50	ug/L
ns-1,2-Dichloroethene	ND	0.50	ug/L
-Dichloropropane	ND	1.0	ug/L
-Dichloropropane	ND	1.0	ug/L
-Dichloropropane	ND	1.0	ug/L
-Dichloropropene	ND	1.0	ug/L
ylbenzene	**8.7**	**1.0**	**ug/L**
achlorobutadiene	ND	1.0	ug/L
propylbenzene	**2.5**	**1.0**	**ug/L**
sopropyltoluene	ND	1.0	ug/L

(Continued on next page)

CONOCO INC.

Client Sample ID: MW-1

GC/MS Volatiles

t-Sample #...: I1A250132-001 Work Order #...: DT4WP1AJ Matrix.....: WATER

RAMETER	RESULT	REPORTING LIMIT	UNITS
thylene chloride	ND	1.0	ug/L
phthalene	**4.7**	**1.0**	**ug/L**
Propylbenzene	**3.8**	**1.0**	**ug/L**
yrene	ND	1.0	ug/L
1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,2-Tetrachloroethane	ND	1.0	ug/L
trachloroethene	ND	1.0	ug/L
luene	**24**	**1.0**	**ug/L**
2,3-Trichlorobenzene	ND	1.0	ug/L
2,4-Trichloro- benzene	ND	1.0	ug/L
1,1-Trichloroethane	ND	1.0	ug/L
1,2-Trichloroethane	ND	1.0	ug/L
ichloroethene	ND	1.0	ug/L
ichlorofluoromethane	ND	2.0	ug/L
2,3-Trichloropropane	ND	1.0	ug/L
2,4-Trimethylbenzene	**27**	**1.0**	**ug/L**
3,5-Trimethylbenzene	**23**	**1.0**	**ug/L**
nyl chloride	ND	2.0	ug/L
Xylene	**13**	**0.50**	**ug/L**
Xylene & p-Xylene	**54**	**0.50**	**ug/L**

ROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	109	(73 - 137)
uene-d8	106	(78 - 124)
romofluoromethane	109	(82 - 130)
2-Dichloroethane-d4	113	(84 - 135)

CONOCO INC.

Client Sample ID: MW-2

GC/MS Volatiles

t-Sample #...: I1A250132-002 Work Order #...: DT4WV1AJ Matrix.....: WATER

RAMETER	RESULT	REPORTING LIMIT	UNITS
thylene chloride	ND	1.0	ug/L
phthalene	ND	1.0	ug/L
Propylbenzene	ND	1.0	ug/L
yrene	ND	1.0	ug/L
1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,2-Tetrachloroethane	ND	1.0	ug/L
trachloroethene	ND	1.0	ug/L
luene	**12**	**1.0**	**ug/L**
2,3-Trichlorobenzene	ND	1.0	ug/L
2,4-Trichloro-benzene	ND	1.0	ug/L
1,1-Trichloroethane	ND	1.0	ug/L
1,2-Trichloroethane	ND	1.0	ug/L
ichloroethene	ND	1.0	ug/L
ichlorofluoromethane	ND	2.0	ug/L
2,3-Trichloropropane	ND	1.0	ug/L
2,4-Trimethylbenzene	ND	1.0	ug/L
3,5-Trimethylbenzene	ND	1.0	ug/L
nyl chloride	ND	2.0	ug/L
Xylene	ND	0.50	ug/L
Xylene & p-Xylene	**1.4**	**0.50**	**ug/L**

RROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(73 - 137)
luene-d8	107	(78 - 124)
bromofluoromethane	112	(82 - 130)
2-Dichloroethane-d4	113	(84 - 135)

CONOCO INC.

Client Sample ID: MW-3

GC/MS Volatiles

t-Sample #...: I1A250132-003 Work Order #...: DT4WW1AJ Matrix.....: WATER
te Sampled...: 01/23/01 16:55 Date Received..: 01/25/01 MS Run #.....: 1038191
ep Date.....: 02/05/01 Analysis Date..: 02/05/01
ep Batch #...: 1038416 Analysis Time..: 19:34
lution Factor: 5

Method.....: SW846 8260B

RAMETER	RESULT	REPORTING LIMIT	UNITS
nzene	**78**	**25**	**ug/L**
omobenzene	ND	25	ug/L
omochloromethane	ND	25	ug/L
omodichloromethane	ND	25	ug/L
omoform	ND	25	ug/L
omomethane	ND	50	ug/L
Butylbenzene	ND	25	ug/L
-Butylbenzene	ND	25	ug/L
t-Butylbenzene	ND	25	ug/L
bon tetrachloride	ND	25	ug/L
orobenzene	ND	25	ug/L
orodibromomethane	ND	25	ug/L
oroethane	ND	50	ug/L
oroform	ND	25	ug/L
oromethane	ND	50	ug/L
hlorotoluene	ND	25	ug/L
hlorotoluene	ND	25	ug/L
-Dibromo-3-chloro-propane	ND	50	ug/L
-Dibromoethane	ND	25	ug/L
romomethane	ND	25	ug/L
-Dichlorobenzene	ND	25	ug/L
-Dichlorobenzene	ND	25	ug/L
-Dichlorobenzene	ND	25	ug/L
hlorodifluoromethane	ND	50	ug/L
-Dichloroethane	ND	25	ug/L
-Dichloroethane	ND	25	ug/L
-Dichloroethene	ND	25	ug/L
-1,2-Dichloroethene	ND	12	ug/L
ns-1,2-Dichloroethene	ND	12	ug/L
-Dichloropropane	ND	25	ug/L
-Dichloropropane	ND	25	ug/L
-Dichloropropane	ND	25	ug/L
-Dichloropropene	ND	25	ug/L
ylbenzene	**25**	**25**	**ug/L**
achlorobutadiene	ND	25	ug/L
propylbenzene	ND	25	ug/L
sopropyltoluene	ND	25	ug/L

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CONOCO INC.

Client Sample ID: MW-3

GC/MS Volatiles

t-Sample #...: I1A250132-003 Work Order #...: DT4WW1AJ Matrix.....: WATER

RAMETER	RESULT	REPORTING LIMIT	UNITS
thylene chloride	ND	25	ug/L
phthalene	ND	25	ug/L
Propylbenzene	ND	25	ug/L
yrene	ND	25	ug/L
1,1,2-Tetrachloroethane	ND	25	ug/L
1,2,2-Tetrachloroethane	ND	25	ug/L
trachloroethene	ND	25	ug/L
luene	**230**	**25**	**ug/L**
2,3-Trichlorobenzene	ND	25	ug/L
2,4-Trichloro-benzene	ND	25	ug/L
1,1-Trichloroethane	ND	25	ug/L
1,2-Trichloroethane	ND	25	ug/L
ichloroethene	ND	25	ug/L
ichlorofluoromethane	ND	50	ug/L
2,3-Trichloropropane	ND	25	ug/L
2,4-Trimethylbenzene	ND	25	ug/L
3,5-Trimethylbenzene	ND	25	ug/L
yl chloride	ND	50	ug/L
Xylene	**43**	**12**	**ug/L**
Xylene & p-Xylene	**150**	**12**	**ug/L**

ROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(73 - 137)
luene-d8	101	(78 - 124)
bromofluoromethane	110	(82 - 130)
2-Dichloroethane-d4	114	(84 - 135)

CONOCO INC.

Client Sample ID: MW-4

GC/MS Volatiles

t-Sample #...: I1A250132-004 Work Order #...: DT4WX1AJ Matrix.....: WATER
te Sampled...: 01/23/01 17:00 Date Received..: 01/25/01 MS Run #.....: 1038191
ep Date.....: 02/05/01 Analysis Date..: 02/05/01
ep Batch #...: 1038416 Analysis Time..: 20:03
lution Factor: 1

Method.....: SW846 8260B

RAMETER	RESULT	REPORTING LIMIT	UNITS
nzene	**16**	**1.0**	**ug/L**
omobenzene	ND	1.0	ug/L
omochloromethane	ND	1.0	ug/L
omodichloromethane	ND	1.0	ug/L
omoform	ND	1.0	ug/L
omomethane	ND	2.0	ug/L
Butylbenzene	**3.7**	**1.0**	**ug/L**
c-Butylbenzene	**1.4**	**1.0**	**ug/L**
ct-Butylbenzene	ND	1.0	ug/L
bon tetrachloride	ND	1.0	ug/L
orobenzene	ND	1.0	ug/L
orodibromomethane	ND	1.0	ug/L
oroethane	ND	2.0	ug/L
oroform	ND	1.0	ug/L
oromethane	ND	2.0	ug/L
hlorotoluene	ND	1.0	ug/L
hlorotoluene	ND	1.0	ug/L
-Dibromo-3-chloro-propane	ND	2.0	ug/L
-Dibromoethane	ND	1.0	ug/L
romomethane	ND	1.0	ug/L
-Dichlorobenzene	ND	1.0	ug/L
-Dichlorobenzene	ND	1.0	ug/L
-Dichlorobenzene	ND	1.0	ug/L
hlorodifluoromethane	ND	2.0	ug/L
-Dichloroethane	ND	1.0	ug/L
-Dichloroethane	ND	1.0	ug/L
-Dichloroethene	ND	1.0	ug/L
-1,2-Dichloroethene	ND	0.50	ug/L
ns-1,2-Dichloroethene	ND	0.50	ug/L
-Dichloropropane	ND	1.0	ug/L
-Dichloropropane	ND	1.0	ug/L
-Dichloropropane	ND	1.0	ug/L
-Dichloropropene	ND	1.0	ug/L
ylbenzene	**9.9**	**1.0**	**ug/L**
achlorobutadiene	ND	1.0	ug/L
propylbenzene	**2.6**	**1.0**	**ug/L**
sopropyltoluene	**6.2**	**1.0**	**ug/L**

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CONOCO INC.

Client Sample ID: MW-4

GC/MS Volatiles

t-Sample #...: I1A250132-004 Work Order #...: DT4WX1AJ Matrix.....: WATER

RAMETER	RESULT	REPORTING LIMIT	UNITS
thylene chloride	ND	1.0	ug/L
phthalene	**5.6**	**1.0**	**ug/L**
Propylbenzene	**3.8**	**1.0**	**ug/L**
yrene	ND	1.0	ug/L
1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,2-Tetrachloroethane	ND	1.0	ug/L
trachloroethene	ND	1.0	ug/L
luene	**24**	**1.0**	**ug/L**
2,3-Trichlorobenzene	ND	1.0	ug/L
2,4-Trichloro- benzene	ND	1.0	ug/L
1,1-Trichloroethane	ND	1.0	ug/L
1,2-Trichloroethane	ND	1.0	ug/L
ichloroethene	ND	1.0	ug/L
ichlorofluoromethane	ND	2.0	ug/L
2,3-Trichloropropane	ND	1.0	ug/L
2,4-Trimethylbenzene	**29**	**1.0**	**ug/L**
3,5-Trimethylbenzene	**23**	**1.0**	**ug/L**
yl chloride	ND	2.0	ug/L
Xylene	**14**	**0.50**	**ug/L**
Xylene & p-Xylene	**59**	**0.50**	**ug/L**

ROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(73 - 137)
luene-d8	105	(78 - 124)
romofluoromethane	116	(82 - 130)
2-Dichloroethane-d4	126	(84 - 135)

CONOCO INC.

Client Sample ID: MW1 0'- 5'

GC Semivolatiles

t-Sample #...:	I1A250132-005	Work Order #...: DT4W01AE	Matrix.....: SOLID
te Sampled...:	01/23/01 10:30	Date Received..: 01/25/01	MS Run #.....: 1030254
ep Date.....:	01/30/01	Analysis Date..: 02/02/01	
ep Batch #...:	1030465	Analysis Time..: 16:20	
lution Factor:	1		
Moisture.....:	12	Method.....: SW846 8015B	

RAMETER	RESULT	REPORTING LIMIT	UNITS
esel Range Organics	**7000**	**1700**	**ug/kg**

RROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl	94	(40 - 144)
triacontane	100	(42 - 159)

CONOCO INC.

Client Sample ID: MW1 0'- 5'

GC Volatiles

:-Sample #...:	I1A250132-005	Work Order #...:	DT4W01AG	Matrix.....:	SOLID
:e Sampled...:	01/23/01 10:30	Date Received..:	01/25/01	MS Run #.....:	1031242
:p Date.....:	01/27/01	Analysis Date..:	01/27/01		
:p Batch #...:	1031500	Analysis Time..:	17:27		
:ution Factor:	1				
Moisture.....:	12	Method.....:	SW846 8015B		

:AMETER	RESULT	REPORTING LIMIT	UNITS
:oline Range Organics	ND	100	ug/kg

:ROGATE	PERCENT RECOVERY	RECOVERY LIMITS
:mofluorobenzene	68	(14 - 165)

CONOCO INC.

Client Sample ID: MW1 0'- 5'

GC Volatiles

t-Sample #...:	I1A250132-005	Work Order #...: DT4W01AF	Matrix.....: SOLID
te Sampled...:	01/23/01 10:30	Date Received..: 01/25/01	MS Run #.....: 1031241
ep Date.....:	01/27/01	Analysis Date..: 01/27/01	
ep Batch #...:	1031499	Analysis Time..: 17:27	
lution Factor:	1		
Moisture.....:	12	Method.....: SW846 8021B	

RAMETER	RESULT	REPORTING LIMIT	UNITS
nzene	ND	1.0	ug/kg
nylbenzene	ND	1.0	ug/kg
luene	ND	1.0	ug/kg
lenes (total)	ND	3.0	ug/kg

RROGATE	PERCENT RECOVERY	RECOVERY LIMITS
omofluorobenzene	85	(70 - 130)
a,a-Trifluorotoluene (TFT)	106	(40 - 159)

CONOCO INC.

Client Sample ID: MW1 5'-10'

GC Semivolatiles

t-Sample #...:	I1A250132-006	Work Order #...:	DT4W21AE	Matrix.....:	SOLID
te Sampled...:	01/23/01 10:30	Date Received..:	01/25/01	MS Run #.....:	1030254
ep Date.....:	01/30/01	Analysis Date..:	02/02/01		
ep Batch #...:	1030465	Analysis Time..:	16:57		
lution Factor:	1				
Moisture.....:	6.3	Method.....:	SW846 8015B		

RAMETER	RESULT	REPORTING LIMIT	UNITS
esel Range Organics	ND	1700	ug/kg

ROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl	94	(40 - 144)
triacontane	98	(42 - 159)

CONOCO INC.

Client Sample ID: MW1 5'-10'

GC Volatiles

t-Sample #...:	I1A250132-006	Work Order #...:	DT4W21AG	Matrix.....:	SOLID
te Sampled...:	01/23/01 10:30	Date Received..:	01/25/01	MS Run #.....:	1031242
ep Date.....:	01/27/01	Analysis Date..:	01/27/01		
ep Batch #...:	1031500	Analysis Time..:	18:09		
lution Factor:	1				
Moisture.....:	6.3	Method.....:	SW846 8015B		

RAMETER	RESULT	REPORTING LIMIT	UNITS
soline Range Organics	ND	100	ug/kg

RROGATE	PERCENT RECOVERY	RECOVERY LIMITS
omofluorobenzene	71	(14 - 165)

CONOCO INC.

Client Sample ID: MW1 5'-10'

GC Volatiles

›t-Sample #...:	I1A250132-006	Work Order #...:	DT4W21AF	Matrix.....:	SOLID
te Sampled...:	01/23/01 10:30	Date Received..:	01/25/01	MS Run #.....:	1031241
ep Date.....:	01/27/01	Analysis Date..:	01/27/01		
ep Batch #...:	1031499	Analysis Time..:	18:09		
lution Factor:	1				
Moisture.....:	6.3	Method.....:	SW846 8021B		

RAMETER	RESULT	REPORTING LIMIT	UNITS
nzene	ND	1.0	ug/kg
hylbenzene	ND	1.0	ug/kg
luene	ND	1.0	ug/kg
lenes (total)	ND	3.0	ug/kg

RROGATE	PERCENT RECOVERY	RECOVERY LIMITS
omofluorobenzene	89	(70 - 130)
a,a-Trifluorotoluene (TFT)	103	(40 - 159)

CONOCO INC.

Client Sample ID: MW1 65'-70'

GC Semivolatiles

t-Sample #...:	I1A250132-007	Work Order #...:	DT4W61AE	Matrix.....:	SOLID
te Sampled...:	01/23/01 10:30	Date Received..:	01/25/01	MS Run #.....:	1030254
ep Date.....:	01/30/01	Analysis Date..:	02/02/01		
ep Batch #...:	1030465	Analysis Time..:	17:34		
lution Factor:	1				
Moisture.....:	3.9	Method.....:	SW846 8015B		

RAMETER	RESULT	REPORTING LIMIT	UNITS
esel Range Organics	2300	1700	ug/kg

RROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl	103	(40 - 144)
triacontane	109	(42 - 159)

CONOCO INC.

Client Sample ID: MW1 65'-70'

GC Volatiles

t-Sample #...:	I1A250132-007	Work Order #...: DT4W61AG	Matrix.....: SOLID
te Sampled...:	01/23/01 10:30	Date Received..: 01/25/01	MS Run #.....: 1031242
ep Date.....:	01/27/01	Analysis Date..: 01/27/01	
ep Batch #...:	1031500	Analysis Time..: 21:41	
lution Factor:	1		
Moisture.....:	3.9	Method.....: SW846 8015B	

RAMETER	RESULT	REPORTING LIMIT	UNITS
soline Range Organics	ND	100	ug/kg

RROGATE	PERCENT RECOVERY	RECOVERY LIMITS
omofluorobenzene	53	(14 - 165)

CONOCO INC.

Client Sample ID: MW1 65'-70'

GC Volatiles

Lot-Sample #...:	I1A250132-007	**Work Order #...:**	DT4W61AF	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 10:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031241
Prep Date.....:	01/27/01	**Analysis Date..:**	01/27/01		
Prep Batch #...:	1031499	**Analysis Time..:**	21:41		
Dilution Factor:	1				
% Moisture.....:	3.9	**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	89	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	102	(40 - 159)

CONOCO INC.

Client Sample ID: MW2 0'- 5'

GC Semivolatiles

Lot-Sample #...:	I1A250132-008	**Work Order #...:**	DT4W81AE	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 11:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1030254
Prep Date.....:	01/30/01	**Analysis Date..:**	02/02/01		
Prep Batch #...:	1030465	**Analysis Time..:**	19:25		
Dilution Factor:	1				
% Moisture.....:	6.0	**Method.....:**	SW846 8015B		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	100	(40 - 144)
Dotriacontane	103	(42 - 159)

CONOCO INC.

Client Sample ID: MW2 0'- 5'

GC Volatiles

Lot-Sample #...:	I1A250132-008	**Work Order #...:**	DT4W81AG	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 11:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031242
Prep Date.....:	01/27/01	**Analysis Date..:**	01/27/01		
Prep Batch #...:	1031500	**Analysis Time..:**	22:24		
Dilution Factor:	1				
% Moisture.....:	6.0	**Method.....:**	SW846 8015B		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	70	(14 - 165)

CONOCO INC.

Client Sample ID: MW2 0'- 5'

GC Volatiles

Lot-Sample #...:	I1A250132-008	**Work Order #...:**	DT4W81AF	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 11:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031241
Prep Date.....:	01/27/01	**Analysis Date..:**	01/27/01		
Prep Batch #...:	1031499	**Analysis Time..:**	22:24		
Dilution Factor:	1				
% Moisture.....:	6.0	**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	85	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	105	(40 - 159)

CONOCO INC.

Client Sample ID: MW2 15'-20'

GC Semivolatiles

Lot-Sample #...: I1A250132-009	**Work Order #...:** DT4W91AE	**Matrix.....:** SOLID
Date Sampled...: 01/23/01 11:30	**Date Received..:** 01/25/01	**MS Run #.....:** 1030254
Prep Date.....: 01/30/01	**Analysis Date..:** 02/02/01	
Prep Batch #...: 1030465	**Analysis Time..:** 20:02	
Dilution Factor: 1		
% Moisture.....: 8.1	**Method.....:** SW846 8015B	

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	99	(40 - 144)
Dotriacontane	100	(42 - 159)

CONOCO INC.

Client Sample ID: MW2 15'-20'

GC Volatiles

Lot-Sample #...:	I1A250132-009	**Work Order #...:**	DT4W91AG	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 11:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031242
Prep Date.....:	01/27/01	**Analysis Date..:**	01/27/01		
Prep Batch #...:	1031500	**Analysis Time..:**	23:06		
Dilution Factor:	1				
% Moisture.....:	8.1	**Method.....:**	SW846 8015B		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	62	(14 - 165)

CONOCO INC.

Client Sample ID: MW2 15'-20'

GC Volatiles

Lot-Sample #...: I1A250132-009	**Work Order #...:** DT4W91AF	**Matrix.....:** SOLID
Date Sampled...: 01/23/01 11:30	**Date Received..:** 01/25/01	**MS Run #.....:** 1031241
Prep Date.....: 01/27/01	**Analysis Date..:** 01/27/01	
Prep Batch #...: 1031499	**Analysis Time..:** 23:06	
Dilution Factor: 1		
% Moisture.....: 8.1	**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	85	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	107	(40 - 159)

CONOCO INC.

Client Sample ID: MW2 60'-65'

GC Semivolatiles

Lot-Sample #...:	I1A250132-010	**Work Order #...:**	DT4XC1AE	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 11:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1030254
Prep Date.....:	01/30/01	**Analysis Date..:**	02/02/01		
Prep Batch #...:	1030465	**Analysis Time..:**	20:39		
Dilution Factor:	1				
% Moisture.....:	5.5	**Method.....:**	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**2300**	**1700**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	95	(40 - 144)
Dotriacontane	106	(42 - 159)

CONOCO INC.

Client Sample ID: MW2 60'-65'

GC Volatiles

Lot-Sample #...:	I1A250132-010	**Work Order #...:**	DT4XC1AG	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 11:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031242
Prep Date.....:	01/27/01	**Analysis Date..:**	01/27/01		
Prep Batch #...:	1031500	**Analysis Time..:**	23:49		
Dilution Factor:	1				
% Moisture.....:	5.5	**Method.....:**	SW846 8015B		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	61	(14 - 165)

CONOCO INC.

Client Sample ID: MW2 60'-65'

GC Volatiles

Lot-Sample #...:	I1A250132-010	**Work Order #...:**	DT4XC1AF	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 11:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031241
Prep Date.....:	01/27/01	**Analysis Date..:**	01/27/01		
Prep Batch #...:	1031499	**Analysis Time..:**	23:49		
Dilution Factor:	1				
% Moisture.....:	5.5	**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	86	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	102	(40 - 159)

CONOCO INC.

Client Sample ID: MW3 10'-15'

GC Semivolatiles

Lot-Sample #...:	I1A250132-011	**Work Order #...:**	DT4XD1AE	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 14:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1030254
Prep Date.....:	01/30/01	**Analysis Date..:**	02/02/01		
Prep Batch #...:	1030465	**Analysis Time..:**	21:16		
Dilution Factor:	1				
% Moisture.....:	4.4	**Method.....:**	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**6200**	**1700**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	98	(40 - 144)
Dotriacontane	102	(42 - 159)

CONOCO INC.

Client Sample ID: MW3 10'-15'

GC Volatiles

Lot-Sample #...:	I1A250132-011	**Work Order #...:**	DT4XD1AG	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 14:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031242
Prep Date.....:	01/27/01	**Analysis Date..:**	01/28/01		
Prep Batch #...:	1031500	**Analysis Time..:**	00:32		
Dilution Factor:	1				
% Moisture.....:	4.4	**Method.....:**	SW846 8015B		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	70	(14 - 165)

CONOCO INC.

Client Sample ID: MW3 10'-15'

GC Volatiles

Lot-Sample #...:	I1A250132-011	**Work Order #...:**	DT4XD1AF	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 14:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031241
Prep Date.....:	01/27/01	**Analysis Date..:**	01/28/01		
Prep Batch #...:	1031499	**Analysis Time..:**	00:32		
Dilution Factor:	1				
% Moisture.....:	4.4	**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	86	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	104	(40 - 159)

CONOCO INC.

Client Sample ID: MW3 25'-30'

GC Semivolatiles

Lot-Sample #...:	I1A250132-012	Work Order #...:	DT4XF1AE	Matrix.....:	SOLID
Date Sampled...:	01/23/01 14:30	Date Received..:	01/25/01	MS Run #.....:	1030254
Prep Date.....:	01/30/01	Analysis Date..:	02/02/01		
Prep Batch #...:	1030465	Analysis Time..:	21:53		
Dilution Factor:	1				
% Moisture.....:	4.8	Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	3600	1700	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	103	(40 - 144)
Dotriacontane	110	(42 - 159)

CONOCO INC.

Client Sample ID: MW3 25'-30'

GC Volatiles

Lot-Sample #...: I1A250132-012	**Work Order #...:** DT4XF1AG	**Matrix.....:** SOLID
Date Sampled...: 01/23/01 14:30	**Date Received..:** 01/25/01	**MS Run #.....:** 1031242
Prep Date.....: 01/27/01	**Analysis Date..:** 01/28/01	
Prep Batch #...: 1031500	**Analysis Time..:** 01:14	
Dilution Factor: 1		
% Moisture.....: 4.8	**Method.....:** SW846 8015B	

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	59	(14 - 165)

CONOCO INC.

Client Sample ID: MW3 25'-30'

GC Volatiles

Lot-Sample #...: I1A250132-012	**Work Order #...:** DT4XF1AF	**Matrix.....:** SOLID
Date Sampled...: 01/23/01 14:30	**Date Received..:** 01/25/01	**MS Run #.....:** 1031241
Prep Date.....: 01/27/01	**Analysis Date..:** 01/28/01	
Prep Batch #...: 1031499	**Analysis Time..:** 01:14	
Dilution Factor: 1		
% Moisture.....: 4.8	**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	84	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	106	(40 - 159)

CONOCO INC.

Client Sample ID: MW3 50'-55'

GC Semivolatiles

Lot-Sample #...:	I1A250132-013	**Work Order #...:**	DT4XH1AE	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 14:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1030254
Prep Date.....:	01/30/01	**Analysis Date..:**	02/02/01		
Prep Batch #...:	1030465	**Analysis Time..:**	22:30		
Dilution Factor:	1				
% Moisture.....:	5.3	**Method.....:**	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**3000**	**1700**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	105	(40 - 144)
Dotriacontane	110	(42 - 159)

CONOCO INC.

Client Sample ID: MW3 50'-55'

GC Volatiles

Lot-Sample #...:	I1A250132-013	**Work Order #...:**	DT4XH1AG	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 14:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031242
Prep Date.....:	01/27/01	**Analysis Date..:**	01/28/01		
Prep Batch #...:	1031500	**Analysis Time..:**	01:56		
Dilution Factor:	1				
% Moisture.....:	5.3	**Method.....:**	SW846 8015B		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	66	(14 - 165)

CONOCO INC.

Client Sample ID: MW3 50'-55'

GC Volatiles

Lot-Sample #...:	I1A250132-013	**Work Order #...:**	DT4XH1AF	**Matrix.....:**	SOLID
Date Sampled...:	01/23/01 14:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031241
Prep Date.....:	01/27/01	**Analysis Date..:**	01/28/01		
Prep Batch #...:	1031499	**Analysis Time..:**	01:56		
Dilution Factor:	1				
% Moisture.....:	5.3	**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	88	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	102	(40 - 159)

CONOCO INC.

Client Sample ID: MW-1

General Chemistry

Lot-Sample #...: I1A250132-001 Work Order #...: DT4WP Matrix.....: WATER
Date Sampled...: 01/23/01 16:30 Date Received..: 01/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	7.8 H	0.10	No Units	MCAWW 150.1	01/26/01	1029196
		Dilution Factor: 1		Analysis Time..: 17:00	MS Run #.....: 1029065	
Chloride	259	20.0	mg/L	MCAWW 300.0A	01/25-01/26/01	1026200
		Dilution Factor: 20		Analysis Time..: 14:03	MS Run #.....: 1029140	
Nitrate	0.96	0.50	mg/L	MCAWW 300.0A	01/25/01	1026203
		Dilution Factor: 1		Analysis Time..: 11:00	MS Run #.....: 1029132	
Sulfate	49.7	10.0	mg/L	MCAWW 300.0A	01/25/01	1026204
		Dilution Factor: 10		Analysis Time..: 15:16	MS Run #.....: 1026080	
Total Alkalinity	194	5.0	mg/L	MCAWW 310.1	01/29/01	1029217
		Dilution Factor: 1		Analysis Time..: 12:00	MS Run #.....: 1029082	
Total Dissolved Solids	800 H	40.0	mg/L	MCAWW 160.1	01/31-02/05/01	1031274
		Dilution Factor: 1		Analysis Time..: 14:30	MS Run #.....: 1031110	

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

CONOCO INC.

Client Sample ID: MW-2

General Chemistry

Lot-Sample #...: I1A250132-002 **Work Order #...:** DT4WV **Matrix.....:** WATER
Date Sampled...: 01/23/01 16:45 **Date Received..:** 01/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	**7.9 H**	**0.10**	**No Units**	**MCAWW 150.1**	**01/26/01**	**1029196**
		Dilution Factor: 1		Analysis Time..: 17:00	MS Run #.....: 1029065	
Chloride	**26.5**	**10.0**	**mg/L**	**MCAWW 300.0A**	**01/25/01**	**1026200**
		Dilution Factor: 10		Analysis Time..: 15:48	MS Run #.....: 1029140	
Nitrate	**2.4**	**0.50**	**mg/L**	**MCAWW 300.0A**	**01/25/01**	**1026203**
		Dilution Factor: 1		Analysis Time..: 11:33	MS Run #.....: 1029132	
Sulfate	**56.6**	**10.0**	**mg/L**	**MCAWW 300.0A**	**01/25/01**	**1026204**
		Dilution Factor: 10		Analysis Time..: 15:48	MS Run #.....: 1026080	
Total Alkalinity	**159**	**5.0**	**mg/L**	**MCAWW 310.1**	**01/29/01**	**1029217**
		Dilution Factor: 1		Analysis Time..: 12:00	MS Run #.....: 1029082	
Total Dissolved Solids	**450 H**	**40.0**	**mg/L**	**MCAWW 160.1**	**01/31-02/05/01**	**1031274**
		Dilution Factor: 1		Analysis Time..: 14:30	MS Run #.....: 1031110	

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

CONOCO INC.

Client Sample ID: MW-3

General Chemistry

Lot-Sample #...: I1A250132-003 Work Order #...: DT4WW Matrix.....: WATER
Date Sampled...: 01/23/01 16:55 Date Received..: 01/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	7.8 H	0.10	No Units	MCAWW 150.1	01/26/01	1029196
		Dilution Factor: 1		Analysis Time..: 17:00	MS Run #.....: 1029065	
Chloride	433	50.0	mg/L	MCAWW 300.0A	01/25/01	1026200
		Dilution Factor: 50		Analysis Time..: 15:59	MS Run #.....: 1029140	
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	01/25/01	1026203
		Dilution Factor: 1		Analysis Time..: 11:45	MS Run #.....: 1029132	
Sulfate	3.8	1.0	mg/L	MCAWW 300.0A	01/25/01	1026204
		Dilution Factor: 1		Analysis Time..: 11:45	MS Run #.....: 1026080	
Total Alkalinity	348	5.0	mg/L	MCAWW 310.1	01/29/01	1029217
		Dilution Factor: 1		Analysis Time..: 12:00	MS Run #.....: 1029082	
Total Dissolved Solids	1190 H	40.0	mg/L	MCAWW 160.1	01/31-02/05/01	1031274
		Dilution Factor: 1		Analysis Time..: 14:30	MS Run #.....: 1031110	

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

CONOCO INC.

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: I1A250132-004 Work Order #...: DT4WX Matrix.....: WATER
Date Sampled...: 01/23/01 17:00 Date Received..: 01/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	7.7 H	0.10	No Units	MCAWW 150.1	01/26/01	1029196
		Dilution Factor: 1		Analysis Time..: 17:00	MS Run #.....: 1029065	
Chloride	289	50.0	mg/L	MCAWW 300.0A	01/25/01	1026200
		Dilution Factor: 50		Analysis Time..: 16:10	MS Run #.....: 1029140	
Nitrate	1.0	0.50	mg/L	MCAWW 300.0A	01/25/01	1026203
		Dilution Factor: 1		Analysis Time..: 11:56	MS Run #.....: 1029132	
Sulfate	47.6	1.0	mg/L	MCAWW 300.0A	01/25/01	1026204
		Dilution Factor: 1		Analysis Time..: 11:56	MS Run #.....: 1026080	
Total Alkalinity	189	5.0	mg/L	MCAWW 310.1	01/29/01	1029217
		Dilution Factor: 1		Analysis Time..: 12:00	MS Run #.....: 1029082	
Total Dissolved Solids	910 H	40.0	mg/L	MCAWW 160.1	01/31-02/05/01	1031274
		Dilution Factor: 1		Analysis Time..: 14:30	MS Run #.....: 1031110	

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

CONOCO INC.

Client Sample ID: MW1 0'- 5'

General Chemistry

Lot-Sample #...: I1A250132-005 Work Order #...: DT4W0 Matrix.....: SOLID
Date Sampled...: 01/23/01 10:30 Date Received..: 01/25/01
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	10.0	mg/kg	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1		Analysis Time..: 11:52	MS Run #.....: 1026072	
Percent Moisture	**12.3**	**0.50**	**%**	**ASTM D 2216-90**	**01/29-01/30/01**	**1031285**
		Dilution Factor: 1		Analysis Time..: 12:30	MS Run #.....: 1031119	

CONOCO INC.

Client Sample ID: MW1 5'-10'

General Chemistry

Lot-Sample #...: I1A250132-006 **Work Order #...:** DT4W2 **Matrix.....:** SOLID
Date Sampled...: 01/23/01 10:30 **Date Received..:** 01/25/01
% Moisture.....: 6.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	10.0	mg/kg	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1		Analysis Time..: 12:03	MS Run #.....: 1026072	
Percent Moisture	**6.3**	**0.50**	**%**	**ASTM D 2216-90**	**01/29-01/30/01**	**1031285**
		Dilution Factor: 1		Analysis Time..: 12:30	MS Run #.....: 1031119	

CONOCO INC.

Client Sample ID: MW1 65'-70'

General Chemistry

Lot-Sample #...: I1A250132-007 Work Order #...: DT4W6 Matrix.....: SOLID
Date Sampled...: 01/23/01 10:30 Date Received..: 01/25/01
% Moisture.....: 3.9

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	11.6	10.0	mg/kg	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1		Analysis Time..: 12:13	MS Run #.....: 1026072	
Percent Moisture	3.9	0.50	%	ASTM D 2216-90	01/29-01/30/01	1031285
		Dilution Factor: 1		Analysis Time..: 12:30	MS Run #.....: 1031119	

CONOCO INC.

Client Sample ID: MW2 0'- 5'

General Chemistry

Lot-Sample #...: I1A250132-008 **Work Order #...:** DT4W8 **Matrix.....:** SOLID
Date Sampled...: 01/23/01 11:30 **Date Received..:** 01/25/01
% Moisture.....: 6.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	10.0	mg/kg	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1		Analysis Time..: 12:24	MS Run #.....: 1026072	
Percent Moisture	**6.0**	**0.50**	**%**	**ASTM D 2216-90**	**01/29-01/30/01**	**1031285**
		Dilution Factor: 1		Analysis Time..: 12:30	MS Run #.....: 1031119	

CONOCO INC.

Client Sample ID: MW2 15'-20'

General Chemistry

Lot-Sample #...: I1A250132-009 **Work Order #...:** DT4W9 **Matrix.....:** SOLID
Date Sampled...: 01/23/01 11:30 **Date Received..:** 01/25/01
% Moisture.....: 8.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	10.0	mg/kg	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1		Analysis Time..: 12:57	MS Run #.....: 1026072	
Percent Moisture	**8.1**	**0.50**	**%**	**ASTM D 2216-90**	**01/29-01/30/01**	**1031285**
		Dilution Factor: 1		Analysis Time..: 12:30	MS Run #.....: 1031119	

CONOCO INC.

Client Sample ID: MW2 60'-65'

General Chemistry

Lot-Sample #...: I1A250132-010 Work Order #...: DT4XC Matrix.....: SOLID
Date Sampled...: 01/23/01 11:30 Date Received..: 01/25/01
% Moisture.....: 5.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	10.0	mg/kg	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1		Analysis Time..: 11:19	MS Run #.....: 1026072	
Percent Moisture	**5.5**	**0.50**	**%**	**ASTM D 2216-90**	**01/29-01/30/01**	**1031285**
		Dilution Factor: 1		Analysis Time..: 12:30	MS Run #.....: 1031119	

CONOCO INC.

Client Sample ID: MW3 10'-15'

General Chemistry

Lot-Sample #...: I1A250132-011 **Work Order #...:** DT4XD **Matrix.....:** SOLID
Date Sampled...: 01/23/01 14:30 **Date Received..:** 01/25/01
% Moisture.....: 4.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	10.0	mg/kg	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1		Analysis Time..: 13:08	MS Run #.....: 1026072	
Percent Moisture	**4.4**	**0.50**	**%**	**ASTM D 2216-90**	**01/29-01/30/01**	**1031285**
		Dilution Factor: 1		Analysis Time..: 12:30	MS Run #.....: 1031119	

CONOCO INC.

Client Sample ID: MW3 25'-30'

General Chemistry

Lot-Sample #...: I1A250132-012 **Work Order #...:** DT4XF **Matrix.....:** SOLID
Date Sampled...: 01/23/01 14:30 **Date Received..:** 01/25/01
% Moisture.....: 4.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	10.0	mg/kg	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1		Analysis Time..: 13:18	MS Run #.....: 1026072	
Percent Moisture	**4.8**	**0.50**	**%**	**ASTM D 2216-90**	**01/29-01/30/01**	**1031285**
		Dilution Factor: 1		Analysis Time..: 12:30	MS Run #.....: 1031119	

CONOCO INC.

Client Sample ID: MW3 50'-55'

General Chemistry

Lot-Sample #...: I1A250132-013 **Work Order #...:** DT4XH **Matrix.....:** SOLID
Date Sampled...: 01/23/01 14:30 **Date Received..:** 01/25/01
% Moisture.....: 5.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	10.0	mg/kg	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1		Analysis Time..: 13:29	MS Run #.....: 1026072	
Percent Moisture	**5.3**	**0.50**	**%**	**ASTM D 2216-90**	**01/29-01/30/01**	**1031285**
		Dilution Factor: 1		Analysis Time..: 12:30	MS Run #.....: 1031119	

CONOCO INC.

Client Sample ID: MW-1

TOTAL Metals

Lot-Sample #...: I1A250132-001 Matrix.....: WATER
Date Sampled...: 01/23/01 16:30 Date Received..: 01/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1026250						
Silver	ND	0.0050	mg/L	SW846 6010B	01/26-01/31/01	DT4WP1AL
		Dilution Factor: 1		Analysis Time..: 15:14	MS Run #.....: 1026101	
Arsenic	**0.045**	**0.010**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WP1AM**
		Dilution Factor: 1		Analysis Time..: 15:14	MS Run #.....: 1026101	
Barium	**1.5**	**0.20**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WP1AN**
		Dilution Factor: 1		Analysis Time..: 15:14	MS Run #.....: 1026101	
Calcium	**1180**	**25.0**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WP1AP**
		Dilution Factor: 5		Analysis Time..: 18:57	MS Run #.....: 1026101	
Cadmium	ND	0.010	mg/L	SW846 6010B	01/26-02/01/01	DT4WP1AQ
		Dilution Factor: 5		Analysis Time..: 18:57	MS Run #.....: 1026101	
Chromium	**0.15**	**0.025**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WP1AR**
		Dilution Factor: 5		Analysis Time..: 18:57	MS Run #.....: 1026101	
Magnesium	**109**	**5.0**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WP1AT**
		Dilution Factor: 1		Analysis Time..: 15:14	MS Run #.....: 1026101	
Sodium	**96.6**	**25.0**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WP1AU**
		Dilution Factor: 5		Analysis Time..: 18:57	MS Run #.....: 1026101	
Lead	**0.021**	**0.0030**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WP1AK**
		Dilution Factor: 1		Analysis Time..: 15:14	MS Run #.....: 1026101	
Selenium	ND	0.0050	mg/L	SW846 6010B	01/26-01/31/01	DT4WP1AV
		Dilution Factor: 1		Analysis Time..: 15:14	MS Run #.....: 1026101	
Prep Batch #...: 1031216						
Mercury	ND	0.00020	mg/L	SW846 7470A	01/31/01	DT4WP1AW
		Dilution Factor: 1		Analysis Time..: 18:39	MS Run #.....: 1031081	

CONOCO INC.

Client Sample ID: MW-2

TOTAL Metals

Lot-Sample #...: I1A250132-002 Matrix.....: WATER
Date Sampled...: 01/23/01 16:45 Date Received..: 01/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1026250						
Silver	ND	0.0050	mg/L	SW846 6010B	01/26-01/31/01	DT4WV1AL
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 1026101	
Arsenic	**0.045**	**0.010**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WV1AM**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 1026101	
Barium	**1.7**	**0.20**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WV1AN**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 1026101	
Calcium	**1230**	**25.0**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WV1AP**
		Dilution Factor: 5		Analysis Time..: 19:03	MS Run #.....: 1026101	
Cadmium	ND	0.010	mg/L	SW846 6010B	01/26-02/01/01	DT4WV1AQ
		Dilution Factor: 5		Analysis Time..: 19:03	MS Run #.....: 1026101	
Chromium	**0.22**	**0.025**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WV1AR**
		Dilution Factor: 5		Analysis Time..: 19:03	MS Run #.....: 1026101	
Magnesium	**119**	**5.0**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WV1AT**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 1026101	
Sodium	**34.6**	**25.0**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WV1AU**
		Dilution Factor: 5		Analysis Time..: 19:03	MS Run #.....: 1026101	
Lead	**0.028**	**0.0030**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WV1AK**
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 1026101	
Selenium	ND	0.0050	mg/L	SW846 6010B	01/26-01/31/01	DT4WV1AV
		Dilution Factor: 1		Analysis Time..: 15:21	MS Run #.....: 1026101	
Prep Batch #...: 1031216						
Mercury	ND	0.00020	mg/L	SW846 7470A	01/31/01	DT4WV1AW
		Dilution Factor: 1		Analysis Time..: 18:43	MS Run #.....: 1031081	

CONOCO INC.

Client Sample ID: MW-3

TOTAL Metals

Lot-Sample #...: I1A250132-003 Matrix.....: WATER
Date Sampled...: 01/23/01 16:55 Date Received..: 01/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1026250						
Silver	ND	0.0050	mg/L	SW846 6010B	01/26-01/31/01	DT4WW1AL
		Dilution Factor: 1		Analysis Time..: 15:28	MS Run #.....: 1026101	
Arsenic	**0.030**	**0.010**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WW1AM**
		Dilution Factor: 1		Analysis Time..: 15:28	MS Run #.....: 1026101	
Barium	**2.8**	**0.20**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WW1AN**
		Dilution Factor: 1		Analysis Time..: 15:28	MS Run #.....: 1026101	
Calcium	**543**	**50.0**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WW1AP**
		Dilution Factor: 10		Analysis Time..: 19:09	MS Run #.....: 1026101	
Cadmium	ND	0.020	mg/L	SW846 6010B	01/26-02/01/01	DT4WW1AQ
		Dilution Factor: 10		Analysis Time..: 19:09	MS Run #.....: 1026101	
Chromium	**0.063**	**0.050**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WW1AR**
		Dilution Factor: 10		Analysis Time..: 19:09	MS Run #.....: 1026101	
Magnesium	**91.1**	**5.0**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WW1AT**
		Dilution Factor: 1		Analysis Time..: 15:28	MS Run #.....: 1026101	
Sodium	**286**	**50.0**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WW1AU**
		Dilution Factor: 10		Analysis Time..: 19:09	MS Run #.....: 1026101	
Lead	**0.011**	**0.0030**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WW1AK**
		Dilution Factor: 1		Analysis Time..: 15:28	MS Run #.....: 1026101	
Selenium	ND	0.0050	mg/L	SW846 6010B	01/26-01/31/01	DT4WW1AV
		Dilution Factor: 1		Analysis Time..: 15:28	MS Run #.....: 1026101	
Prep Batch #...: 1031216						
Mercury	ND	0.00020	mg/L	SW846 7470A	01/31/01	DT4WW1AW
		Dilution Factor: 1		Analysis Time..: 18:45	MS Run #.....: 1031081	

CONOCO INC.

Client Sample ID: MW-4

TOTAL Metals

Lot-Sample #...: I1A250132-004 Matrix.....: WATER
Date Sampled...: 01/23/01 17:00 Date Received..: 01/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1026250						
Silver	ND	0.0050	mg/L	SW846 6010B	01/26-01/31/01	DT4WX1AL
		Dilution Factor: 1		Analysis Time..: 15:35	MS Run #.....: 1026101	
Arsenic	**0.060**	**0.010**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WX1AM**
		Dilution Factor: 1		Analysis Time..: 15:35	MS Run #.....: 1026101	
Barium	**2.2**	**0.20**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WX1AN**
		Dilution Factor: 1		Analysis Time..: 15:35	MS Run #.....: 1026101	
Calcium	**1620**	**25.0**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WX1AP**
		Dilution Factor: 5		Analysis Time..: 19:15	MS Run #.....: 1026101	
Cadmium	ND	0.010	mg/L	SW846 6010B	01/26-02/01/01	DT4WX1AQ
		Dilution Factor: 5		Analysis Time..: 19:15	MS Run #.....: 1026101	
Chromium	**0.19**	**0.025**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WX1AR**
		Dilution Factor: 5		Analysis Time..: 19:15	MS Run #.....: 1026101	
Sodium	**126**	**25.0**	**mg/L**	**SW846 6010B**	**01/26-02/01/01**	**DT4WX1AU**
		Dilution Factor: 5		Analysis Time..: 19:15	MS Run #.....: 1026101	
Lead	**0.028**	**0.0030**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WX1AK**
		Dilution Factor: 1		Analysis Time..: 15:35	MS Run #.....: 1026101	
Magnesium	**147**	**5.0**	**mg/L**	**SW846 6010B**	**01/26-01/31/01**	**DT4WX1AT**
		Dilution Factor: 1		Analysis Time..: 15:35	MS Run #.....: 1026101	
Selenium	ND	0.0050	mg/L	SW846 6010B	01/26-01/31/01	DT4WX1AV
		Dilution Factor: 1		Analysis Time..: 15:35	MS Run #.....: 1026101	
Prep Batch #...: 1031216						
Mercury	ND	0.00020	mg/L	SW846 7470A	01/31/01	DT4WX1AW
		Dilution Factor: 1		Analysis Time..: 18:46	MS Run #.....: 1031081	

QC DATA ASSOCIATION SUMMARY

I1A250132

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 150.1		1029196	1029065
	WATER	MCAWW 160.1		1031274	1031110
	WATER	MCAWW 300.0A		1026200	1029140
	WATER	MCAWW 300.0A		1026204	1026080
	WATER	MCAWW 300.0A		1026203	1029132
	WATER	SW846 7470A		1031216	1031081
	WATER	SW846 8260B		1038416	1038191
	WATER	SW846 6010B		1026250	1026101
	WATER	MCAWW 310.1		1029217	1029082
002	WATER	MCAWW 150.1		1029196	1029065
	WATER	MCAWW 160.1		1031274	1031110
	WATER	MCAWW 300.0A		1026200	1029140
	WATER	MCAWW 300.0A		1026204	1026080
	WATER	MCAWW 300.0A		1026203	1029132
	WATER	SW846 7470A		1031216	1031081
	WATER	SW846 8260B		1038416	1038191
	WATER	SW846 6010B		1026250	1026101
	WATER	MCAWW 310.1		1029217	1029082
003	WATER	MCAWW 150.1		1029196	1029065
	WATER	MCAWW 160.1		1031274	1031110
	WATER	MCAWW 300.0A		1026200	1029140
	WATER	MCAWW 300.0A		1026204	1026080
	WATER	MCAWW 300.0A		1026203	1029132
	WATER	SW846 7470A		1031216	1031081
	WATER	SW846 8260B		1038416	1038191
	WATER	SW846 6010B		1026250	1026101
	WATER	MCAWW 310.1		1029217	1029082
004	WATER	MCAWW 150.1		1029196	1029065
	WATER	MCAWW 160.1		1031274	1031110
	WATER	MCAWW 300.0A		1026200	1029140
	WATER	MCAWW 300.0A		1026204	1026080
	WATER	MCAWW 300.0A		1026203	1029132
	WATER	SW846 7470A		1031216	1031081
	WATER	SW846 8260B		1038416	1038191
	WATER	SW846 6010B		1026250	1026101
	WATER	MCAWW 310.1		1029217	1029082
005	SOLID	MCAWW 300.0A		1026194	1026072
	SOLID	SW846 8015B		1030465	1030254
	SOLID	SW846 8015B		1031500	1031242
	SOLID	ASTM D 2216-90		1031285	1031119

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

I1A250132

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
005	SOLID	SW846 8021B		1031499	1031241
006	SOLID	MCAWW 300.0A		1026194	1026072
	SOLID	SW846 8015B		1030465	1030254
	SOLID	SW846 8015B		1031500	1031242
	SOLID	ASTM D 2216-90		1031285	1031119
	SOLID	SW846 8021B		1031499	1031241
007	SOLID	MCAWW 300.0A		1026194	1026072
	SOLID	SW846 8015B		1030465	1030254
	SOLID	SW846 8015B		1031500	1031242
	SOLID	ASTM D 2216-90		1031285	1031119
	SOLID	SW846 8021B		1031499	1031241
008	SOLID	MCAWW 300.0A		1026194	1026072
	SOLID	SW846 8015B		1030465	1030254
	SOLID	SW846 8015B		1031500	1031242
	SOLID	ASTM D 2216-90		1031285	1031119
	SOLID	SW846 8021B		1031499	1031241
009	SOLID	MCAWW 300.0A		1026194	1026072
	SOLID	SW846 8015B		1030465	1030254
	SOLID	SW846 8015B		1031500	1031242
	SOLID	ASTM D 2216-90		1031285	1031119
	SOLID	SW846 8021B		1031499	1031241
010	SOLID	MCAWW 300.0A		1026194	1026072
	SOLID	SW846 8015B		1030465	1030254
	SOLID	SW846 8015B		1031500	1031242
	SOLID	ASTM D 2216-90		1031285	1031119
	SOLID	SW846 8021B		1031499	1031241
011	SOLID	MCAWW 300.0A		1026194	1026072
	SOLID	SW846 8015B		1030465	1030254
	SOLID	SW846 8015B		1031500	1031242
	SOLID	ASTM D 2216-90		1031285	1031119
	SOLID	SW846 8021B		1031499	1031241
012	SOLID	MCAWW 300.0A		1026194	1026072
	SOLID	SW846 8015B		1030465	1030254
	SOLID	SW846 8015B		1031500	1031242
	SOLID	ASTM D 2216-90		1031285	1031119
	SOLID	SW846 8021B		1031499	1031241

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QC DATA ASSOCIATION SUMMARY

I1A250132

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
013	SOLID	MCAWW 300.0A		1026194	1026072
	SOLID	SW846 8015B		1030465	1030254
	SOLID	SW846 8015B		1031500	1031242
	SOLID	ASTM D 2216-90		1031285	1031119
	SOLID	SW846 8021B		1031499	1031241

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I1A250132 Work Order #...: DVCTG1AA Matrix.....: SOLID
MB Lot-Sample #: I1A300000-465

Prep Date.....: 01/30/01 Analysis Time..: 15:06
Analysis Date..: 02/02/01 Prep Batch #...: 1030465
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diesel Range Organics	ND	1700	ug/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	108	(40 - 144)
Dotriacontane	106	(42 - 159)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I1A250132 **Work Order #...:** DVE0F1AA **Matrix.....:** SOLID
MB Lot-Sample #: I1A310000-499

Prep Date.....: 01/27/01 **Analysis Time..:** 13:12
Analysis Date..: 01/27/01 **Prep Batch #...:** 1031499
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/kg	SW846 8021B
Ethylbenzene	ND	1.0	ug/kg	SW846 8021B
Toluene	ND	1.0	ug/kg	SW846 8021B
Xylenes (total)	ND	3.0	ug/kg	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	102	(40 - 159)

NOTE(S):

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: I1A250132 Work Order #...: DVE0G1AA Matrix.....: SOLID
MB Lot-Sample #: I1A310000-500

Prep Date.....: 01/27/01 Analysis Time..: 13:12
Analysis Date..: 01/27/01 Prep Batch #...: 1031500
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Gasoline Range Organics	ND	100	ug/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	79	(14 - 165)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I1A250132 Work Order #...: DVQQG1AA Matrix.....: WATER
MB Lot-Sample #: I1B070000-416

Prep Date.....: 02/05/01 Analysis Time..: 11:22
Analysis Date..: 02/05/01 Prep Batch #...: 1038416
Dilution Factor: 1

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	2.0	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	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	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	2.0	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	0.50	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	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	1.0	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 #...: I1A250132 **Work Order #...:** DVQQG1AA **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	2.0	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	2.0	ug/L	SW846 8260B
o-Xylene	ND	0.50	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	0.50	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	99	(73 - 137)
Toluene-d8	99	(78 - 124)
Dibromofluoromethane	109	(82 - 130)
1,2-Dichloroethane-d4	113	(84 - 135)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I1A250132 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: DT66G1AA		MB Lot-Sample #:	I1A260000-194	
	ND	10.0	mg/kg	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1				
		Analysis Time..: 10:36				

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I1A250132 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: DT67V1AA		MB Lot-Sample #:	I1A260000-200	
	ND	1.0	mg/L	MCAWW 300.0A	01/25/01	1026200
		Dilution Factor: 1				
		Analysis Time..: 10:50				
Nitrate		Work Order #: DT67X1AA		MB Lot-Sample #:	I1A260000-203	
	ND	0.50	mg/L	MCAWW 300.0A	01/25/01	1026203
		Dilution Factor: 1				
		Analysis Time..: 10:50				
Sulfate		Work Order #: DT6711AA		MB Lot-Sample #:	I1A260000-204	
	ND	1.0	mg/L	MCAWW 300.0A	01/25/01	1026204
		Dilution Factor: 1				
		Analysis Time..: 10:50				
Total Alkalinity		Work Order #: DT9L81AA		MB Lot-Sample #:	I1A290000-217	
	ND	5.0	mg/L	MCAWW 310.1	01/29/01	1029217
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Dissolved Solids		Work Order #: DVDQ61AA		MB Lot-Sample #:	I1A310000-274	
	ND	40.0	mg/L	MCAWW 160.1	01/31-02/05/01	1031274
		Dilution Factor: 1				
		Analysis Time..: 14:30				

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I1A250132 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I1A260000-250 **Prep Batch #...:** 1026250						
Arsenic	ND	0.010	mg/L	SW846 6010B	01/26-01/31/01	DT7DL1AJ
		Dilution Factor: 1				
		Analysis Time..: 14:46				
Barium	ND	0.20	mg/L	SW846 6010B	01/26-01/31/01	DT7DL1AK
		Dilution Factor: 1				
		Analysis Time..: 14:46				
Cadmium	ND	0.0020	mg/L	SW846 6010B	01/26-02/01/01	DT7DL1AM
		Dilution Factor: 1				
		Analysis Time..: 18:39				
Calcium	ND	5.0	mg/L	SW846 6010B	01/26-02/01/01	DT7DL1AL
		Dilution Factor: 1				
		Analysis Time..: 18:39				
Chromium	ND	0.0050	mg/L	SW846 6010B	01/26-02/01/01	DT7DL1AN
		Dilution Factor: 1				
		Analysis Time..: 18:39				
Lead	ND	0.0030	mg/L	SW846 6010B	01/26-01/31/01	DT7DL1AC
		Dilution Factor: 1				
		Analysis Time..: 14:46				
Magnesium	ND	5.0	mg/L	SW846 6010B	01/26-01/31/01	DT7DL1AP
		Dilution Factor: 1				
		Analysis Time..: 14:46				
Selenium	ND	0.0050	mg/L	SW846 6010B	01/26-01/31/01	DT7DL1AR
		Dilution Factor: 1				
		Analysis Time..: 14:46				
Silver	ND	0.0050	mg/L	SW846 6010B	01/26-01/31/01	DT7DL1AH
		Dilution Factor: 1				
		Analysis Time..: 14:46				
Sodium	ND	5.0	mg/L	SW846 6010B	01/26-02/01/01	DT7DL1AQ
		Dilution Factor: 1				
		Analysis Time..: 18:39				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I1A250132 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I1A310000-216 **Prep Batch #...:** 1031216						
Mercury	ND	0.00020	mg/L	SW846 7470A	01/31/01	DVDJH1AF
		Dilution Factor: 1				
		Analysis Time..: 18:26				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I1A250132 **Work Order #...:** DVCTG1AC **Matrix.....:** SOLID
LCS Lot-Sample#: I1A300000-465
Prep Date.....: 01/30/01 **Analysis Date..:** 02/02/01
Prep Batch #...: 1030465 **Analysis Time..:** 15:43
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diesel Range Organics	**131**	**(38 - 139)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	95	(40 - 144)
Dotriacontane	96	(42 - 159)

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 #...: I1A250132 **Work Order #...:** DVE0F1AC **Matrix.....:** SOLID
LCS Lot-Sample#: I1A310000-499
Prep Date.....: 01/27/01 **Analysis Date..:** 01/27/01
Prep Batch #...: 1031499 **Analysis Time..:** 12:22
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**98**	**(79 - 121)**	**SW846 8021B**
Toluene	**100**	**(78 - 120)**	**SW846 8021B**
Ethylbenzene	100	(84 - 123)	SW846 8021B
Xylenes (total)	101	(83 - 119)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	99	(79 - 123)

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 #...: I1A250132 **Work Order #...:** DVE0G1AC **Matrix.....:** SOLID
LCS Lot-Sample#: I1A310000-500
Prep Date.....: 01/27/01 **Analysis Date..:** 01/27/01
Prep Batch #...: 1031500 **Analysis Time..:** 11:39
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Gasoline Range Organics	**99**	**(70 - 134)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(14 - 165)

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 #...: I1A250132 Work Order #...: DVQQG1AC Matrix.....: WATER
LCS Lot-Sample#: I1B070000-416
Prep Date.....: 02/05/01 Analysis Date..: 02/05/01
Prep Batch #...: 1038416 Analysis Time..: 10:52
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**90**	**(86 - 121)**	**SW846 8260B**
Chlorobenzene	**94**	**(85 - 117)**	**SW846 8260B**
1,1-Dichloroethene	**93**	**(64 - 127)**	**SW846 8260B**
Toluene	**92**	**(81 - 121)**	**SW846 8260B**
Trichloroethene	**91**	**(85 - 121)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	97	(73 - 137)
Toluene-d8	94	(78 - 124)
Dibromofluoromethane	104	(82 - 130)
1,2-Dichloroethane-d4	108	(84 - 135)

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

General Chemistry

Client Lot #...: I1A250132 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: DT66G1AC LCS Lot-Sample#: I1A260000-194			
	98	(80 - 120)	MCAWW 300.0A	01/26/01	1026194
		Dilution Factor: 1			
		Analysis Time..: 10:25			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I1A250132 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: DT67V1AC LCS Lot-Sample#: I1A260000-200			
	98	(80 - 120)	MCAWW 300.0A	01/25/01	1026200
		Dilution Factor: 1			
		Analysis Time..: 10:39			
Nitrate		Work Order #: DT67X1AC LCS Lot-Sample#: I1A260000-203			
	95	(80 - 120)	MCAWW 300.0A	01/25/01	1026203
		Dilution Factor: 1			
		Analysis Time..: 10:39			
Sulfate		Work Order #: DT6711AC LCS Lot-Sample#: I1A260000-204			
	95	(80 - 120)	MCAWW 300.0A	01/25/01	1026204
		Dilution Factor: 1			
		Analysis Time..: 10:39			
Total Dissolved Solids		Work Order #: DVDQ61AC LCS Lot-Sample#: I1A310000-274			
	105	(87 - 113)	MCAWW 160.1	01/31-02/05/01	1031274
		Dilution Factor: 1			
		Analysis Time..: 00:00			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: I1A250132 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)		WO#:DT9J41AA-LCS/DT9J41AC-LCSD LCS Lot-Sample#: I1A290000-196					
	100	(90 - 110)			MCAWW 150.1	01/26/01	1029196
	100	(90 - 110)	0.14	(0-20)	MCAWW 150.1	01/26/01	1029196
		Dilution Factor: 1					
Total Alkalinity		WO#:DT9L81AC-LCS/DT9L81AD-LCSD LCS Lot-Sample#: I1A290000-217					
	103	(80 - 120)			MCAWW 310.1	01/29/01	1029217
	103	(80 - 120)	0.29	(0-20)	MCAWW 310.1	01/29/01	1029217
		Dilution Factor: 1					

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: I1A250132 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	105	(80 - 120)			SW846 6010B	01/26-01/31/01	1026250
	105	(80 - 120)	0.16	(0-20)	SW846 6010B	01/26-01/31/01	1026250
		Dilution Factor: 1					
Barium	106	(80 - 120)			SW846 6010B	01/26-01/31/01	1026250
	103	(80 - 120)	2.4	(0-20)	SW846 6010B	01/26-01/31/01	1026250
		Dilution Factor: 1					
Cadmium	108	(80 - 120)			SW846 6010B	01/26-02/01/01	1026250
	108	(80 - 120)	0.34	(0-20)	SW846 6010B	01/26-02/01/01	1026250
		Dilution Factor: 1					
Calcium	107	(80 - 120)			SW846 6010B	01/26-02/01/01	1026250
	108	(80 - 120)	0.69	(0-20)	SW846 6010B	01/26-02/01/01	1026250
		Dilution Factor: 1					
Chromium	104	(80 - 120)			SW846 6010B	01/26-02/01/01	1026250
	105	(80 - 120)	0.64	(0-20)	SW846 6010B	01/26-02/01/01	1026250
		Dilution Factor: 1					
Lead	111	(80 - 120)			SW846 6010B	01/26-01/31/01	1026250
	111	(80 - 120)	0.68	(0-20)	SW846 6010B	01/26-01/31/01	1026250
		Dilution Factor: 1					
Magnesium	110	(80 - 120)			SW846 6010B	01/26-01/31/01	1026250
	109	(80 - 120)	0.69	(0-20)	SW846 6010B	01/26-01/31/01	1026250
		Dilution Factor: 1					
Selenium	106	(80 - 120)			SW846 6010B	01/26-01/31/01	1026250
	102	(80 - 120)	3.8	(0-20)	SW846 6010B	01/26-01/31/01	1026250
		Dilution Factor: 1					
Silver	106	(80 - 120)			SW846 6010B	01/26-01/31/01	1026250
	106	(80 - 120)	0.10	(0-20)	SW846 6010B	01/26-01/31/01	1026250
		Dilution Factor: 1					
Sodium	101	(80 - 120)			SW846 6010B	01/26-02/01/01	1026250
	102	(80 - 120)	0.57	(0-20)	SW846 6010B	01/26-02/01/01	1026250
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: I1A250132 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	99	(81 - 120)			SW846 7470A	01/31/01	1031216
	93	(81 - 120)	6.0	(0-21)	SW846 7470A	01/31/01	1031216

Dilution Factor: 1

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	I1A250132	**Work Order #...:**	DT4W21AH-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	I1A250132-006		DT4W21AJ-MSD		
Date Sampled...:	01/23/01 10:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031242
Prep Date.....:	01/27/01	**Analysis Date..:**	01/27/01		
Prep Batch #...:	1031500	**Analysis Time..:**	18:52		
Dilution Factor:	1	**% Moisture.....:**	6.3		

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	**91**	**(70 - 134)**			**SW846 8015B**
	96	**(70 - 134)**	**5.0**	**(0-30)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(14 - 165)
	92	(14 - 165)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	I1A250132	**Work Order #...:**	DT4DP1AT-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	I1A240236-004		DT4DP1AU-MSD		
Date Sampled...:	01/23/01 14:45	**Date Received..:**	01/24/01	**MS Run #.....:**	1038191
Prep Date.....:	02/05/01	**Analysis Date..:**	02/05/01		
Prep Batch #...:	1038416	**Analysis Time..:**	15:42		
Dilution Factor:	1				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**93**	**(86 - 121)**			**SW846 8260B**
	94	**(86 - 121)**	**0.70**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**96**	**(85 - 117)**			**SW846 8260B**
	96	**(85 - 117)**	**0.69**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**95**	**(64 - 127)**			**SW846 8260B**
	95	**(64 - 127)**	**0.03**	**(0-20)**	**SW846 8260B**
Toluene	**95**	**(81 - 121)**			**SW846 8260B**
	95	**(81 - 121)**	**0.05**	**(0-20)**	**SW846 8260B**
Trichloroethene	**95**	**(85 - 121)**			**SW846 8260B**
	95	**(85 - 121)**	**0.51**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	97	(73 - 137)
	100	(73 - 137)
Toluene-d8	98	(78 - 124)
	100	(78 - 124)
Dibromofluoromethane	109	(82 - 130)
	112	(82 - 130)
1,2-Dichloroethane-d4	115	(84 - 135)
	122	(84 - 135)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	I1A250132	**Work Order #...:**	DT4XH1AH-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	I1A250132-013		DT4XH1AJ-MSD		
Date Sampled...:	01/23/01 14:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1031241
Prep Date.....:	01/27/01	**Analysis Date..:**	01/28/01		
Prep Batch #...:	1031499	**Analysis Time..:**	02:39		
Dilution Factor:	1	**% Moisture.....:**	5.3		

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	87	(84 - 123)			SW846 8021B
	87	(84 - 123)	0.50	(0-30)	SW846 8021B
Xylenes (total)	87	(83 - 119)			SW846 8021B
	86	(83 - 119)	0.42	(0-30)	SW846 8021B
Benzene	**86**	**(79 - 121)**			**SW846 8021B**
	86	**(79 - 121)**	**0.26**	**(0-30)**	**SW846 8021B**
Toluene	**88**	**(78 - 120)**			**SW846 8021B**
	87	**(78 - 120)**	**0.41**	**(0-30)**	**SW846 8021B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(70 - 130)
	102	(70 - 130)
a,a,a-Trifluorotoluene (TFT)	99	(40 - 159)
	98	(40 - 159)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	I1A250132	**Work Order #...:**	DT4W61AH-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	I1A250132-007		DT4W61AJ-MSD		
Date Sampled...:	01/23/01 10:30	**Date Received..:**	01/25/01	**MS Run #.....:**	1030254
Prep Date.....:	01/30/01	**Analysis Date..:**	02/02/01		
Prep Batch #...:	1030465	**Analysis Time..:**	18:11		
Dilution Factor:	1	**% Moisture.....:**	3.9		

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics	**144 a**	**(40 - 126)**			**SW846 8015B**
	132 a	**(40 - 126)**	**8.2**	**(0-30)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	109	(40 - 144)
	104	(40 - 144)
Dotriacontane	113	(42 - 159)
	118	(42 - 159)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I1A250132 **Matrix.....:** WATER
Date Sampled...: 01/23/01 16:30 **Date Received..:** 01/25/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: DT4WP1A9-MS/DT4WP1CA-MSD				MS Lot-Sample #: I1A250132-001	
	119	(75 - 125)			MCAWW 300.0A	01/25-01/26/01	1026200
	119	(75 - 125)	0.05	(0-20)	MCAWW 300.0A	01/25-01/26/01	1026200
		Dilution Factor: 20					
		Analysis Time..: 14:03					
		MS Run #.....: 1029140					
Nitrate		WO#: DT4WP1A7-MS/DT4WP1A8-MSD				MS Lot-Sample #: I1A250132-001	
	94	(75 - 125)			MCAWW 300.0A	01/25/01	1026203
	91	(75 - 125)	2.8	(0-20)	MCAWW 300.0A	01/25/01	1026203
		Dilution Factor: 1					
		Analysis Time..: 11:00					
		MS Run #.....: 1029132					
Sulfate		WO#: DT4WP1A3-MS/DT4WP1A4-MSD				MS Lot-Sample #: I1A250132-001	
	99	(75 - 125)			MCAWW 300.0A	01/25/01	1026204
	96	(75 - 125)	1.7	(0-20)	MCAWW 300.0A	01/25/01	1026204
		Dilution Factor: 1					
		Analysis Time..: 15:26					
		MS Run #.....: 1026080					
Total Alkalinity		WO#: DT4WP1A5-MS/DT4WP1A6-MSD				MS Lot-Sample #: I1A250132-001	
	92	(80 - 120)			MCAWW 310.1	01/29/01	1029217
	94	(80 - 120)	0.62	(0-20)	MCAWW 310.1	01/29/01	1029217
		Dilution Factor: 1					
		Analysis Time..: 12:00					
		MS Run #.....: 1029082					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I1A250132 **Matrix.....:** SOLID
Date Sampled...: 01/23/01 11:30 **Date Received..:** 01/25/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: DT4XC1AH-MS/DT4XC1AJ-MSD				MS Lot-Sample #: I1A250132-010	
	88	(75 - 125)			MCAWW 300.0A	01/26/01	1026194
	93	(75 - 125)	4.1	(0-20)	MCAWW 300.0A	01/26/01	1026194

Dilution Factor: 10
Analysis Time..: 11:30
MS Run #.....: 1026072

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: I1A250132 **Work Order #...:** DT3X5-SMP DT3X5-DUP **Matrix.....:** WATER

Date Sampled...: 01/24/01 11:11 **Date Received..:** 01/24/01

% Moisture.....: 0.0 **Dilution Factor:** **Initial Wgt/Vol:**

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #: I1A240188-001		
	93.7	91.4	mg/L	2.5	(0-20)	MCAWW 310.1	01/29/01	1029217

Dilution Factor: 1 Analysis Time..: 12:00 MS Run Number..: 1029082

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: I1A250132 **Work Order #...:** DT30V-SMP DT30V-DUP **Matrix.....:** WATER

Date Sampled...: 01/24/01 11:11 **Date Received..:** 01/24/01

% Moisture.....: 0.0 **Dilution Factor:** **Initial Wgt/Vol:**

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)						SD Lot-Sample #:	I1A240188-003	
	7.8 H	7.8 H	No Units	0.0	(0-20)	MCAWW 150.1	01/26/01	1029196

Dilution Factor: 1 Analysis Time..: 17:00 MS Run Number..: 1029065

NOTE(S):

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

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: I1A250132 **Work Order #...:** DT4WW-SMP DT4WW-DUP **Matrix.....:** WATER

Date Sampled...: 01/23/01 16:55 **Date Received..:** 01/25/01

% Moisture.....: **Dilution Factor:** **Initial Wgt/Vol:**

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: I1A250132-003		
	1190 H	1210 H	mg/L	1.7	(0-20)	MCAWW 160.1	01/31-02/05/01	1031274
			Dilution Factor: 1			Analysis Time..: 14:30	MS Run Number..: 1031110	

NOTE(S):

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

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: I1A250132 **Work Order #...:** DT7PW-SMP DT7PW-DUP **Matrix.....:** SOLID

Date Sampled...: 01/26/01 09:00 **Date Received..:** 01/26/01

% Moisture.....: 7.8

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	I1A260202-002	
	7.8	8.1	%	3.3	(0-30)	ASTM D 2216-90	01/29-01/30/01	1031285

Dilution Factor: 1 Analysis Time..: 12:30 MS Run Number..: 1031119

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I1A250132 **Matrix.....:** WATER
Date Sampled...: 01/23/01 14:00 **Date Received..:** 01/24/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I1A240232-003 **Prep Batch #...:** 1026250							
Arsenic	109	(75 - 125)			SW846 6010B	01/26-01/31/01	DT4C21AX
	106	(75 - 125)	2.6	(0-20)	SW846 6010B	01/26-01/31/01	DT4C21A0
		Dilution Factor: 1					
		Analysis Time..: 16:17					
		MS Run #.....: 1026101					
Barium	99	(75 - 125)			SW846 6010B	01/26-01/31/01	DT4C21A2
	98	(75 - 125)	0.71	(0-20)	SW846 6010B	01/26-01/31/01	DT4C21A3
		Dilution Factor: 1					
		Analysis Time..: 16:17					
		MS Run #.....: 1026101					
Cadmium	104	(75 - 125)			SW846 6010B	01/26-02/01/01	DT4C21A8
	106	(75 - 125)	2.4	(0-20)	SW846 6010B	01/26-02/01/01	DT4C21A9
		Dilution Factor: 10					
		Analysis Time..: 19:51					
		MS Run #.....: 1026101					
Calcium	NC	(75 - 125)			SW846 6010B	01/26-02/01/01	DT4C21A5
	NC	(75 - 125)		(0-20)	SW846 6010B	01/26-02/01/01	DT4C21A6
		Dilution Factor: 10					
		Analysis Time..: 19:51					
		MS Run #.....: 1026101					
Chromium	106	(75 - 125)			SW846 6010B	01/26-02/01/01	DT4C21CC
	109	(75 - 125)	2.8	(0-20)	SW846 6010B	01/26-02/01/01	DT4C21CD
		Dilution Factor: 10					
		Analysis Time..: 19:51					
		MS Run #.....: 1026101					
Lead	109	(75 - 125)			SW846 6010B	01/26-01/31/01	DT4C21AM
	105	(75 - 125)	3.8	(0-20)	SW846 6010B	01/26-01/31/01	DT4C21AN
		Dilution Factor: 1					
		Analysis Time..: 16:17					
		MS Run #.....: 1026101					
Magnesium	NC	(75 - 125)			SW846 6010B	01/26-01/31/01	DT4C21CF
	NC	(75 - 125)		(0-20)	SW846 6010B	01/26-01/31/01	DT4C21CG
		Dilution Factor: 1					
		Analysis Time..: 16:17					
		MS Run #.....: 1026101					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I1A250132 **Matrix.....:** WATER
Date Sampled...: 01/23/01 14:00 **Date Received..:** 01/24/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	98	(75 - 125)			SW846 6010B	01/26-01/31/01	DT4C21CM
	95	(75 - 125)	3.4	(0-20)	SW846 6010B	01/26-01/31/01	DT4C21CN
		Dilution Factor: 1					
		Analysis Time..: 16:17					
		MS Run #.....: 1026101					
Silver	118	(75 - 125)			SW846 6010B	01/26-01/31/01	DT4C21AU
	116	(75 - 125)	2.3	(0-20)	SW846 6010B	01/26-01/31/01	DT4C21AV
		Dilution Factor: 1					
		Analysis Time..: 16:17					
		MS Run #.....: 1026101					
Sodium	NC	(75 - 125)			SW846 6010B	01/26-02/01/01	DT4C21CJ
	NC	(75 - 125)		(0-20)	SW846 6010B	01/26-02/01/01	DT4C21CK
		Dilution Factor: 10					
		Analysis Time..: 19:51					
		MS Run #.....: 1026101					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I1A250132 **Matrix.....:** WATER
Date Sampled...: 01/22/01 06:00 **Date Received..:** 01/22/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I1A220161-008 **Prep Batch #...:** 1031216							
Mercury	103	(75 - 125)			SW846 7470A	01/31/01	DT01L1CH
	106	(75 - 125)	2.9	(0-20)	SW846 7470A	01/31/01	DT01L1CJ

Dilution Factor: 1
Analysis Time..: 18:34
MS Run #.....: 1031081

NOTE(S):

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

Chain of Custody Record

CHAIN OF CUSTODY NUMBER
S6004510 001

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

50977

STL4149 (0700)

Client	Project Manager	Date	Page 1 of 3
Maxim Technologies	Clyde Yancey	01/17/2001	

Address	Telephone Number (Area Code)/Fax Number	Lab Location
10601 Lomas NE Ste 106	(000) / (000)	STL Austin

City	State	Zip Code	Site Contact
Albuquerque	NM	87112	Clyde Yancey

Project Number/Name	Carrier/Waybill Number
Apex Compressor Station	

Contract/Purchase Order/Quote Number

CONTRACT / PURCHASE ORDER # : TBD QUOTE: 38366

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	MS8260|L	MT6010|L	PHLIQ	TDS	ICCL|L	ICNO3|L	ICSO4|L	ALK|T	GC8021BS	TPHV|S	TPHS|S	ICCL|S
MW-1	1/23/01		WATER	40mL	VIAL	4	1:1 HCL	2°C 1/25/01 (initials)	X											
MW-1	1/23/01		WATER	250mL	PLASTIC	1	Conc HNO3	SEE COC ADD		X										
MW-1	1/23/01		WATER	500mL	PLASTIC	1	None				X	X	X	X	X	X				
MW-2	1/23/01		WATER	40mL	VIAL	4	1:1 HCL		X											
MW-2	1/23/01		WATER	250mL	PLASTIC	1	Conc HNO3			X										
MW-2	1/23/01		WATER	500mL	PLASTIC	1	None				X	X	X	X	X	X				
MW-3	1/23/01		WATER	40mL	VIAL	4	1:1 HCL		X											
MW-3	1/23/01		WATER	250mL	PLASTIC	1	Conc HNO3			X										
MW-3	1/23/01		WATER	500mL	PLASTIC	1	None				X	X	X	X	X	X				
MW-4	1/23/01		WATER	40mL	VIAL	4	1:1 HCL		X											
MW-4	1/23/01		WATER	250mL	PLASTIC	1	Conc HNO3			X										
MW-4	1/23/01		WATER	500mL	PLASTIC	1	None				X	X	X	X	X	X				
TRIP BLANK	1/23/01		WATER	40mL	VIAL	2	1:1 HCL	NOT RECD.	X											
MW1 0'-5'	1/23/01	1030	SOLID	60mL	CLEAR GL	2	None										X	X		
MW1 0'-5'	1/23/01	1030	SOLID	120mL	CLEAR GL	1	None												X	X
MW1 5'-10'	1/23/01	1030	SOLID	60mL	CLEAR GL	2	None										X	X		

Special Instructions: 8260B list; 6010 RCRA Metals+Na,Ca,Mg, 8021 BTEX, call day of shipping NO3 48hr H.T.

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: ☐ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
(signature)	1-18-01	4:45			

2. Relinquished By	Date	Time	2. Received By	Date	Time
(signature) 1/24/01	1-24-01	6:45	(signature)	1/25/01	0815

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

CHAIN OF CUSTODY NUMBER
$$0049:0-002

SEVERN TRENT SERVICES

50978

Severn Trent Laboratories, Inc.

STL4149 (0700)

Client	Project Manager	Date
Marin Technologies	Clyde Yancey	01/17/2001
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**
10601 Lomas NE Ste 106	(000) (000)	STL Austin
City / **State** / **Zip Code**	**Site Contact**	
Albuquerque / NM / 87112	Clyde Yancey	
Project Number/Name	**Carrier/Waybill Number**	
Apex Compressor Station		
Contract/Purchase Order/Quote Number		

CONTRACT / PURCHASE ORDER # : TBD QUOTE: 38366

Page 2 of 3

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis: MS8260B	MTBE 8010	PHL IQ	TDS	ICCL	ICCL	ICNO3	ICSO4	ALKT	GC8021BS	TPHVS	TPHSS	ICCLS
- MW1 5'-10'	1/23/01	1030	SOLID	120mL	CLEAR GL	1	None	2° 1/25/01 SEE COC Add												X	X
- MW1 65'-70'	1/23/01	1030	SOLID	60mL	CLEAR GL	2	None											X	X		
- MW1 65'-70'	1/23/01	1030	SOLID	120mL	CLEAR GL	1	None													X	X
- MW2 0'-5'	1/23/01	1130	SOLID	60mL	CLEAR GL	2	None											X	X		
- MW2 0'-5'	1/23/01	1130	SOLID	120mL	CLEAR GL	1	None													X	X
- MW2 15'-20'	1/23/01	1130	SOLID	60mL	CLEAR GL	2	None											X	X		
- MW2 15'-20'	1/23/01	1130	SOLID	120mL	CLEAR GL	1	None													X	X
- MW2 60'-65'	1/23/01	1130	SOLID	60mL	CLEAR GL	2	None											X	X		
- MW2 60'-65'	1/23/01	1130	SOLID	120mL	CLEAR GL	1	None													X	X
- MW3 10'-15'	1/23/01	1430	SOLID	60mL	CLEAR GL	2	None											X	X		
- MW3 10'-15'	1/23/01	1430	SOLID	120mL	CLEAR GL	1	None													X	X
- MW3 25'-30'	1/23/01	1430	SOLID	60mL	CLEAR GL	2	None											X	X		
- MW3 25'-30'	1/23/01	1430	SOLID	120mL	CLEAR GL	1	None													X	X
- MW3 50'-55'	1/23/01	1430	SOLID	60mL	CLEAR GL	2	None											X	X		
- MW3 50'-55'	1/23/01	1430	SOLID	120mL	CLEAR GL	1	None													X	X
-			SOLID	60mL	CLEAR GL	2	None											X	X		

Special Instructions

8260B list; 6010 RCRA Metals+Na,Ca,Mg, 8021 BTEX, call day of shipping NO3 48hr H.T.

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

☒ Normal ☐ Rush ☐ Other _____

QC Level

☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By			1. Received By	1/25/01	0815
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