

CORE LABORATORIES, INC.  
ANALYTICAL REPORT

PROJECT 1594



25-MAR-86

AMOCO PRODUCTION CO.

RESULTS OF WATER QUALITY ANALYSIS  
ON SAMPLES COLLECTED AT LOCATION:

Pit 105754

071-06083

119919  
071-06088

JOB NO. 6307-	W86148 - 1	W86148 - 2	W86148 - 3	W86148 - 4	W86148 - 5	W86148 - 6
SAMPLE ID:	MGP C-1	MGP C-1	STATE AT-2	STATE AT-2	MGP A-1	MGP A-1
SAMPLE REMARKS:	9:38	10:09	7:37	8:09	8:52	9:22
DATE/TIME SAMPLED	02-21-86/ 938	02-20-86/1009	02-21-86/ 737	02-20-86/ 809	02-21-86/ 852	02-20-86/ 922
DATE/TIME RECEIVED	02-21-86/1506	02-21-86/1506	02-21-86/1506	02-21-86/1506	02-21-86/1506	02-21-86/1506
DATE/TIME ANALYZED	02-24-86/	02-24-86/	02-24-86/	02-24-86/	02-24-86/	02-24-86/
CHEMIST: RIF/DRH						
LOCATION: AURORA, CO						

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--ALL VALUES REPORTED ON A TOTAL BASIS (MG./L.) UNLESS INDICATED OTHERWISE

# CORE LABORATORIES, INC.

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JOB NO. 6307-	W86148 - 1	W86148 - 2	W86148 - 3	W86148 - 4	W86148 - 5	W86148 - 6
SAMPLE ID:	MGP C-1	MGP C-1	STATE AT-2	STATE AT-2	MGP A-1	MGP A-1
SAMPLE REMARKS:	9:38	10:09	7:37	8:09	8:52	9:22

#### MAJOR CATIONS

CALCIUM (Ca)	18 ( 0.90)	18 ( 0.90)	4.6 ( 0.23)	4.5 ( 0.22)	9.7 ( 0.48)	10.3 ( 0.51)
MAGNESIUM (Mg)	2.29 ( 0.19)	2.25 ( 0.19)	0.62 ( 0.05)	0.61 ( 0.05)	2.01 ( 0.17)	2.03 ( 0.17)
SODIUM (Na)	960 (41.76)	950 (41.32)	610 (26.53)	600 (26.10)	950 (41.32)	950 (41.32)
POTASSIUM (K)	21 ( 0.54)	21 ( 0.54)	4.9 ( 0.13)	4.9 ( 0.13)	22 ( 0.56)	23 ( 0.59)
SUM OF MAJOR CATIONS (me/l)	(43.39)	(42.95)	(26.95)	(26.50)	(42.53)	(42.59)
SUM OF TOTAL CATIONS (me/l)	(43.39)	(42.95)	(26.99)	(26.53)	(42.53)	(42.59)

#### MAJOR ANIONS

BICARBONATE (HCO3)	998.0 (16.36)	1005. (16.48)	1370. (22.45)	1375. (22.54)	1776. (29.11)	1756. (28.78)
CARBONATE (CO3)	<1 ( 0.00)	<1 ( 0.00)	<1 ( 0.00)	<1 ( 0.00)	<1 ( 0.00)	<1 ( 0.00)
HYDROXIDE (OH)	<0.5 ( 0.00)	<0.5 ( 0.00)	<0.5 ( 0.00)	<0.5 ( 0.00)	<0.5 ( 0.00)	<0.5 ( 0.00)
SULFATE (SO4)	10 ( 0.21)	10 ( 0.21)	10 ( 0.21)	12 ( 0.25)	16 ( 0.33)	15 ( 0.31)
CHLORIDE (Cl)	903 (25.47)	939 (26.49)	153 ( 4.32)	151 ( 4.26)	519 (14.64)	516 (14.56)
SUM OF MAJOR ANIONS (me/l)	(42.04)	(43.18)	(26.98)	(27.05)	(44.08)	(43.65)
SUM OF TOTAL ANIONS (me/l)	(42.04)	(43.18)	(26.98)	(27.05)	(44.08)	(43.65)

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas, coal or other mineral, property, well or sand in connection with which such report is used or relied upon.

# CORE LABORATORIES, INC.

## ANALYTICAL REPORT

25-MAR-86

AMOCO PRODUCTION CO.

### RESULTS OF WATER QUALITY ANALYSIS ON SAMPLES COLLECTED AT LOCATION:

JOB NO. 6307-	W86148 - 1	W86148 - 2	W86148 - 3	W86148 - 4	W86148 - 5	W86148 - 6
SAMPLE ID:	MGP C-1	MGP C-1	STATE AT-2	STATE AT-2	MGP A-1	MGP A-1
SAMPLE REMARKS:	9:38	10:09	7:37	8:09	8:52	9:22

### GENERAL PARAMETERS

TOTAL DISSOLVED SOLIDS (CALC.)	2440 ( 2413)	2470 ( 2443)	1450 ( 1469)	1450 ( 1461)	2370 ( 2407)	2360 ( 2394)
ORGANIC CARBON, TOTAL (TOC)	2	5	<2	<2	2	3

**CORE LABORATORIES, INC.**  
**ANALYTICAL REPORT**

25-MAR-86

**AMOCO PRODUCTION CO.**

**RESULTS OF WATER QUALITY ANALYSIS**  
**ON SAMPLES COLLECTED AT LOCATION:**

JOB NO. 6307-	W86148 - 1	W86148 - 2	W86148 - 3	W86148 - 4	W86148 - 5	W86148 - 6
SAMPLE ID:	MGP C-1	MGP C-1	STATE AT-2	STATE AT-2	MGP A-1	MGP A-1
SAMPLE REMARKS:	9:38	10:09	7:37	8:09	8:52	9:22

**GENERAL PARAMETERS--TOTAL BASIS**  
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NITROGEN, AMMONIA (NH <sub>3</sub> -N)	1.54	1.26	0.69	0.65	1.48	1.23
FLUORIDE (F)	5.9	5.9	4.6	4.6	5.0	4.9
SULFIDE (S)	0.05		0.10		0.07	

**CORE LABORATORIES, INC.**  
**ANALYTICAL REPORT**

25-MAR-86

**AMOCO PRODUCTION CO.**

**RESULTS OF WATER QUALITY ANALYSIS  
ON SAMPLES COLLECTED AT LOCATION:**

JOB NO. 6307-	W86148 - 1	W86148 - 2	W86148 - 3	W86148 - 4	W86148 - 5	W86148 - 6
SAMPLE ID:	MGP C-1	MGP C-1	STATE AT-2	STATE AT-2	MGP A-1	MGP A-1
SAMPLE REMARKS:	9:38	10:09	7:37	8:09	8:52	9:22

**DISSOLVED METALS**

ALUMINUM (Al)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
IRON (Fe)	<0.05	<0.05	0.70	0.61	<0.05	0.05
MANGANESE (Mn)	✓ 0.03	0.04	0.02	0.02	0.06	0.06

# CORE LABORATORIES, INC.

## ANALYTICAL REPORT

25-MAR-86

AMOCO PRODUCTION CO.

RESULTS OF WATER QUALITY ANALYSIS  
ON SAMPLES COLLECTED AT LOCATION:

UNITS - ppb ?

JOB NO. 6307-  
SAMPLE ID:  
SAMPLE REMARKS:

WB6148 - 1	WB6148 - 2	WB6148 - 3	WB6148 - 4	WB6148 - 5	WB6148 - 6
MGP C-1	MGP C-1	STATE AT-2	STATE AT-2	MGP A-1	MGP A-1
9:38	10:09	7:37	8:09	8:52	9:22

### TOTAL METALS

	WB6148 - 1	WB6148 - 2	WB6148 - 3	WB6148 - 4	WB6148 - 5	WB6148 - 6
BORON (B), total	✓ 1.02	1.00	0.24	0.24	1.23	1.24
CADMIUM (Cd), total	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
CHROMIUM (Cr), total	0.03	0.02	0.02	0.02	0.05	0.07
COPPER (Cu), total	<0.01	<0.01	0.03	0.06	0.04	0.08
IRON (Fe), total	✓ 3.43	3.37	1.56	1.62	8.0	11.2
LEAD (Pb), total	<0.01	<0.01	<0.01	<0.01	<0.01	0.04
MANGANESE (Mn), total	0.04	0.05	0.02	0.03	0.10	0.14
MERCURY (Hg), total-ug./l.	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
NICKEL (Ni), total	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SELENIUM (Se), total	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SILVER (Ag), total	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (Zn), total	0.06	<0.01	<0.01	<0.01	<0.01	0.04

from hydroxy-propyl guar cross-linker  
from borate

## LABORATORY REPORT

PAGE 1

CLIENT: CORE LABORATORIES  
 ATIN: DAN HUMMEL  
 1300 S. POTOMAC  
 AURORA, CO 80012

**PRELIMINARY**

DATE RPTD: 03/24/86  
 DATE RCVD: 02/26/86  
 PURCHASE AUTH: W86148  
 FILE NO.: 86-9530  
 ORDER NO.: 1990

LAB NUMBER: 86030159

SAMPLE DESCRIPTION: W86148-1 ( MGP C-1 9:38 )

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
<<< GC/MS VOLATILE COMPOUNDS >>>			
1V. ACROLEIN	ND(25)	UG/L	686-27
2V. ACRYLONITRILE	ND(25)	UG/L	686-27
3V. BENZENE	ND(5.0)	UG/L	686-27
4V. BIS(CHLOROMETHYL)ETHER	NOT ANALYZED	UG/L	686-27
5V. BROMOFORM	ND(5.0)	UG/L	686-27
6V. CARBON TETRACHLORIDE	ND(5.0)	UG/L	686-27
7V. CHLOROBENZENE	ND(5.0)	UG/L	686-27
8V. CHLORODIBROMOMETHANE	ND(5.0)	UG/L	686-27
9V. CHLOROETHANE	ND(5.0)	UG/L	686-27
10V. 2-CHLOROETHYLVINYL ETHER	ND(5.0)	UG/L	686-27
11V. CHLOROFORM	ND(5.0)	UG/L	686-27
12V. DICHLOROBROMOMETHANE	ND(5.0)	UG/L	686-27
13V. DICHLORODIFLUOROMETHANE	NOT ANALYZED	UG/L	686-27
14V. 1,1-DICHLOROETHANE	ND(5.0)	UG/L	686-27
15V. 1,2-DICHLOROETHANE	ND(5.0)	UG/L	686-27
16V. 1,1-DICHLOROETHYLENE	ND(5.0)	UG/L	686-27
17V. 1,2-DICHLOROPROPANE	ND(5.0)	UG/L	686-27
18V. 1,3-DICHLOROPROPYLENE	ND(5.0)	UG/L	686-27
19V. ETHYLBENZENE	ND(5.0)	UG/L	686-27
20V. METHYL BROMIDE	ND(5.0)	UG/L	686-27
21V. METHYL CHLORIDE	ND(5.0)	UG/L	686-27
22V. METHYLENE CHLORIDE	ND(5.0)	UG/L	686-27
23V. 1,1,2,2-TETRACHLOROETHANE	ND(5.0)	UG/L	686-27
24V. TETRACHLOROETHYLENE	ND(5.0)	UG/L	686-27
25V. TOLUENE	ND(5.0)	UG/L	686-27
26V. 1,2-TRANSDICHLOROETHYLENE	ND(5.0)	UG/L	686-27
27V. 1,1,1-TRICHLOROETHANE	ND(5.0)	UG/L	686-27
28V. 1,1,2-TRICHLOROETHANE	ND(5.0)	UG/L	686-27
29V. TRICHLOROETHYLENE	ND(5.0)	UG/L	686-27
30V. TRICHLOROFUOROMETHANE	NOT ANALYZED	UG/L	686-27
31V. VINYL CHLORIDE	ND(5.0)	UG/L	686-27

—CONCLUSION—LAB NUMBER: 86030159 W86148-1

CLIENT: CORE LABORATORIES

FILE NO.: 86-9530  
ORDER NO.: 1990LAB NUMBER: 86030160  
SAMPLE DESCRIPTION: W86148-2

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
—CONCLUSION—LAB NUMBER: 86030160 W86148-2			

LAB NUMBER: 86030161  
SAMPLE DESCRIPTION: W86148-3 ( STATE AT-2 7:37 )

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
<<< GC/MS VOLATILE COMPOUNDS >>>			
1V. ACROLEIN	ND(25)	UG/L	686-27
2V. ACRYLONITRILE	ND(25)	UG/L	686-27
3V. BENZENE	ND(5.0)	UG/L	686-27
4V. BIS(CHLOROMETHYL)ETHER	NOT ANALYZED	UG/L	686-27
5V. BROMOFORM	ND(5.0)	UG/L	686-27
6V. CARBON TETRACHLORIDE	ND(5.0)	UG/L	686-27
7V. CHLOROBENZENE	ND(5.0)	UG/L	686-27
8V. CHLORODIBROMOMETHANE	ND(5.0)	UG/L	686-27
9V. CHLOROETHANE	ND(5.0)	UG/L	686-27
10V. 2-CHLOROETHYL VINYL ETHER	ND(5.0)	UG/L	686-27
11V. CHLOROFORM	ND(5.0)	UG/L	686-27
12V. DICHLOROBROMOMETHANE	ND(5.0)	UG/L	686-27
13V. DICHLORODIFLUOROMETHANE	NOT ANALYZED	UG/L	686-27
14V. 1,1-DICHLOROETHANE	ND(5.0)	UG/L	686-27
15V. 1,2-DICHLOROETHANE	ND(5.0)	UG/L	686-27
16V. 1,1-DICHLOROETHYLENE	ND(5.0)	UG/L	686-27
17V. 1,2-DICHLOROPROPANE	ND(5.0)	UG/L	686-27
18V. 1,3-DICHLOROPROPYLENE	ND(5.0)	UG/L	686-27
19V. ETHYLBENZENE	ND(5.0)	UG/L	686-27
20V. METHYL BROMIDE	ND(5.0)	UG/L	686-27
21V. METHYL CHLORIDE	ND(5.0)	UG/L	686-27
22V. METHYLENE CHLORIDE	ND(5.0)	UG/L	686-27
23V. 1,1,2,2-TETRACHLOROETHANE	ND(5.0)	UG/L	686-27
24V. TETRACHLOROETHYLENE	ND(5.0)	UG/L	686-27
25V. TOLUENE	ND(5.0)	UG/L	686-27
26V. 1,2-TRANSDICHLOROETHYLENE	ND(5.0)	UG/L	686-27
27V. 1,1,1-TRICHLOROETHANE	ND(5.0)	UG/L	686-27
28V. 1,1,2-TRICHLOROETHANE	ND(5.0)	UG/L	686-27
29V. TRICHLOROETHYLENE	ND(5.0)	UG/L	686-27
30V. TRICHLOROFLUOROMETHANE	NOT ANALYZED	UG/L	686-27
31V. VINYL CHLORIDE	ND(5.0)	UG/L	686-27



CLIENT: CORE LABORATORIES

FILE NO.: 86-9530  
ORDER NO.: 1990

LAB NUMBER: 86030161 (CONT.)

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
<<< GC/MS BASE NEUTRAL COMPOUNDS >>>			
1B. ACENAPHTHENE	ND(5.0)	UG/L	684-37
2B. ACENAPHTHYLENE	ND(5.0)	UG/L	684-37
3B. ANTHRACENE	ND(5.0)	UG/L	684-37
4B. BENZIDINE	ND(50)	UG/L	684-37
5B. BENZO(A)ANTHRACENE	ND(5.0)	UG/L	684-37
6B. BENZO(A)PYRENE	ND(5.0)	UG/L	684-37
7B. 3,4-BENZOFUORANTHENE	ND(5.0)	UG/L	684-37
8B. BENZO(GHI)PERYLENE	ND(5.0)	UG/L	684-37
9B. BENZO(K)FLUORANTHENE	ND(5.0)	UG/L	684-37
10B. BIS(2-CHLOROETHOXY)METHANE	ND(5.0)	UG/L	684-37
11B. BIS(2-CHLOROETHYL)ETHER	ND(5.0)	UG/L	684-37
12B. BIS(2-CHLOROISOPROPYL)ETHER	ND(5.0)	UG/L	684-37
13B. BIS(2-ETHYLHEXYL)PHTHALATE	ND(5.0)	UG/L	684-37
14B. 4-BROMOPHENYL PHENYL ETHER	ND(5.0)	UG/L	684-37
15B. BUTYL BENZYL PHTHALATE	ND(5.0)	UG/L	684-37
16B. 2-CHLORONAPHTHALENE	ND(5.0)	UG/L	684-37
17B. 4-CHLOROPHENYL PHENYL ETHER	ND(5.0)	UG/L	684-37
18B. CHRYSENE	ND(5.0)	UG/L	684-37
19B. DIBENZO(A,H)ANTHRACENE	ND(5.0)	UG/L	684-37
20B. 1,2-DICHLOROBENZENE	ND(5.0)	UG/L	684-37
21B. 1,3-DICHLOROBENZENE	ND(5.0)	UG/L	684-37
22B. 1,4-DICHLOROBENZENE	ND(5.0)	UG/L	684-37
23B. 3,3-DICHLOROBENZIDINE	ND(50)	UG/L	684-37
24B. DIETHYLPHTHALATE	ND(5.0)	UG/L	684-37
25B. DIMETHYLPHTHALATE	ND(5.0)	UG/L	684-37
26B. DI-N-BUTYLPHTHALATE	ND(5.0)	UG/L	684-37
27B. 2,4-DINITROTOLUENE	ND(5.0)	UG/L	684-37
28B. 2,6-DINITROTOLUENE	ND(5.0)	UG/L	684-37
29B. DI-N-OCTYLPHTHALATE	ND(5.0)	UG/L	684-37
30B. 1,2-DIPHENYLHYDRAZINE	ND(5.0)	UG/L	684-37
31B. FLUORANTHENE	ND(5.0)	UG/L	684-37
32B. FLUORENE	ND(5.0)	UG/L	684-37
33B. HEXACHLOROBENZENE	ND(5.0)	UG/L	684-37
34B. HEXACHLOROBUTADIENE	ND(5.0)	UG/L	684-37
35B. HEXACHLOROCYCLOPENTADIENE	ND(5.0)	UG/L	684-37
36B. HEXACHLOROETHANE	ND(5.0)	UG/L	684-37
37B. INDENO(1,2,3-CD)PYRENE	ND(5.0)	UG/L	684-37
38B. ISOPHORONE	ND(5.0)	UG/L	684-37
39B. NAPHTHALENE	ND(5.0)	UG/L	684-37
40B. NITROBENZENE	ND(5.0)	UG/L	684-37
41B. N-NITROSODIMETHYLAMINE	ND(5.0)	UG/L	684-37

CLIENT: CORE LABORATORIES

FILE NO.: 86-9530

ORDER NO.: 1990

LAB NUMBER: 86030161 (CONT.)

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
42B. N-NITROSODI-N-PROPYLAMINE	ND(5.0)	UG/L	684-37
43B. N-NITROSODIPHENYLAMINE	ND(5.0)	UG/L	684-37
44B. PHENANTHRENE	ND(5.0)	UG/L	684-37
45B. PYRENE	ND(5.0)	UG/L	684-37
46B. 1,2,4-TRICHLOROBENZENE	ND(5.0)	UG/L	684-37
<<< GC/MS ACID COMPOUNDS >>>			
1A. 2-CHLOROPHENOL	ND(5.0)	UG/L	619-66
2A. 2,4-DICHLOROPHENOL	ND(5.0)	UG/L	619-66
3A. 2,4-DIMETHYLPHENOL	ND(5.0)	UG/L	619-66
4A. 4,6-DINITRO-O-CRESOL	ND(50)	UG/L	619-66
5A. 2,4-DINITROPHENOL	ND(50)	UG/L	619-66
6A. 2-NITROPHENOL	ND(5.0)	UG/L	619-66
7A. 4-NITROPHENOL	ND(5.0)	UG/L	619-66
8A. P-CHLORO-M-CRESOL	ND(5.0)	UG/L	619-66
9A. PENTACHLOROPHENOL	ND(5.0)	UG/L	619-66
10A. PHENOL	ND(5.0)	UG/L	619-66
11A. 2,4,6-TRICHLOROPHENOL	ND(5.0)	UG/L	619-66

—CONCLUSION—LAB NUMBER: 86030161 W86148-3

LAB NUMBER: 86030162

SAMPLE DESCRIPTION: W86148-4 ( MGP A-1 8:52 )

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
—CONCLUSION—LAB NUMBER: 86030162 W86148-4			

LAB NUMBER: 86030163

SAMPLE DESCRIPTION: W86148-5

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
<<< GC/MS VOLATILE COMPOUNDS >>>			
1V. ACROLEIN	ND(25)	UG/L	686-27
2V. ACRYLONITRILE	ND(25)	UG/L	686-27
3V. BENZENE	ND(5.0)	UG/L	686-27
4V. BIS(CHLOROMETHYL)ETHER	NOT ANALYZED	UG/L	686-27
5V. BROMOFORM	ND(5.0)	UG/L	686-27
6V. CARBON TETRACHLORIDE	ND(5.0)	UG/L	686-27

CLIENT: CORE LABORATORIES

FILE NO.: 86-9530  
ORDER NO.: 1990

LAB NUMBER: 86030163 (CONT.)

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
7V. CHLOROBENZENE	ND(5.0)	UG/L	686-27
8V. CHLORODIBROMOMETHANE	ND(5.0)	UG/L	686-27
9V. CHLOROETHANE	ND(5.0)	UG/L	686-27
10V. 2-CHLOROETHYL VINYL ETHER	ND(5.0)	UG/L	686-27
11V. CHLOROFORM	ND(5.0)	UG/L	686-27
12V. DICHLOROBROMOMETHANE	ND(5.0)	UG/L	686-27
13V. DICHLORODIFLUOROMETHANE	NOT ANALYZED	UG/L	686-27
14V. 1,1-DICHLOROETHANE	ND(5.0)	UG/L	686-27
15V. 1,2-DICHLOROETHANE	ND(5.0)	UG/L	686-27
16V. 1,1-DICHLOROETHYLENE	ND(5.0)	UG/L	686-27
17V. 1,2-DICHLOROPROPANE	ND(5.0)	UG/L	686-27
18V. 1,3-DICHLOROPROPYLENE	ND(5.0)	UG/L	686-27
19V. ETHYLBENZENE	ND(5.0)	UG/L	686-27
20V. METHYL BROMIDE	ND(5.0)	UG/L	686-27
21V. METHYL CHLORIDE	ND(5.0)	UG/L	686-27
22V. METHYLENE CHLORIDE	ND(5.0)	UG/L	686-27
23V. 1,1,2,2-TETRACHLOROETHANE	ND(5.0)	UG/L	686-27
24V. TETRACHLOROETHYLENE	ND(5.0)	UG/L	686-27
25V. TOLUENE	ND(5.0)	UG/L	686-27
26V. 1,2-TRANS DICHLOROETHYLENE	ND(5.0)	UG/L	686-27
27V. 1,1,1-TRICHLOROETHANE	ND(5.0)	UG/L	686-27
28V. 1,1,2-TRICHLOROETHANE	ND(5.0)	UG/L	686-27
29V. TRICHLOROETHYLENE	ND(5.0)	UG/L	686-27
30V. TRICHLOROFLUOROMETHANE	NOT ANALYZED	UG/L	686-27
31V. VINYL CHLORIDE	ND(5.0)	UG/L	686-27
<<< GC/MS BASE NEUTRAL COMPOUNDS >>>			
1B. ACENAPHTHENE	ND(5.0)	UG/L	684-39
2B. ACENAPHTHYLENE	ND(5.0)	UG/L	684-39
3B. ANTHRACENE	ND(5.0)	UG/L	684-39
4B. BENZIDINE	ND(5.0)	UG/L	684-39
5B. BENZO(A)ANTHRACENE	ND(5.0)	UG/L	684-39
6B. BENZO(A)PYRENE	ND(5.0)	UG/L	684-39
7B. 3,4-BENZOFUORANTHENE	ND(5.0)	UG/L	684-39
8B. BENZO(GHI)PERYLENE	ND(5.0)	UG/L	684-39
9B. BENZO(K)FLUORANTHENE	ND(5.0)	UG/L	684-39
10B. BIS(2-CHLOROETHOXY)METHANE	ND(5.0)	UG/L	684-39
11B. BIS(2-CHLOROETHYL)ETHER	ND(5.0)	UG/L	684-39
12B. BIS(2-CHLOROISOPROPYL)ETHER	ND(5.0)	UG/L	684-39
13B. BIS(2-ETHYLHEXYL)PHTHALATE	ND(5.0)	UG/L	684-39
14B. 4-BROMOPHENYL PHENYL ETHER	ND(5.0)	UG/L	684-39
15B. BUTYL BENZYL PHTHALATE	ND(5.0)	UG/L	684-39
16B. 2-CHLORONAPHTHALENE	ND(5.0)	UG/L	684-39

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ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
17B. 4-CHLOROPHENYL PHENYL ETHER	ND(5.0)	UG/L	684-39
18B. CHRYSENE	ND(5.0)	UG/L	684-39
19B. DIBENZO(A,H)ANTHRACENE	ND(5.0)	UG/L	684-39
20B. 1,2-DICHLOROBENZENE	ND(5.0)	UG/L	684-39
21B. 1,3-DICHLOROBENZENE	ND(5.0)	UG/L	684-39
22B. 1,4-DICHLOROBENZENE	ND(5.0)	UG/L	684-39
23B. 3,3-DICHLOROBENZIDINE	ND(50)	UG/L	684-39
24B. DIETHYLPHthalate	ND(5.0)	UG/L	684-39
25B. DIMETHYLPHthalate	ND(5.0)	UG/L	684-39
26B. DI-N-BUTYLPHthalate	ND(5.0)	UG/L	684-39
27B. 2,4-DINITROTOLUENE	ND(5.0)	UG/L	684-39
28B. 2,6-DINITROTOLUENE	ND(5.0)	UG/L	684-39
29B. DI-N-OCTYLPHthalate	ND(5.0)	UG/L	684-39
30B. 1,2-DIPHENYLHYDRAZINE	ND(5.0)	UG/L	684-39
31B. FLUORANTHENE	ND(5.0)	UG/L	684-39
32B. FLUORENE	ND(5.0)	UG/L	684-39
33B. HEXACHLOROBENZENE	ND(5.0)	UG/L	684-39
34B. HEXACHLOROBUTADIENE	ND(5.0)	UG/L	684-39
35B. HEXACHLOROCYCLOPENTADIENE	ND(5.0)	UG/L	684-39
36B. HEXACHLOROETHANE	ND(5.0)	UG/L	684-39
37B. INDENO(1,2,3-CD)PYRENE	ND(5.0)	UG/L	684-39
38B. ISOPHORONE	ND(5.0)	UG/L	684-39
39B. NAPHTHALENE	ND(5.0)	UG/L	684-39
40B. NITROBENZENE	ND(5.0)	UG/L	684-39
41B. N-NITROSODIMETHYLAMINE	ND(5.0)	UG/L	684-39
42B. N-NITROSODI-N-PROPYLAMINE	ND(5.0)	UG/L	684-39
43B. N-NITROSODIPHENYLAMINE	ND(5.0)	UG/L	684-39
44B. PHENANTHRENE	ND(5.0)	UG/L	684-39
45B. PYRENE	ND(5.0)	UG/L	684-39
46B. 1,2,4-TRICHLOROBENZENE	ND(5.0)	UG/L	684-39
<<< GC/MS ACID COMPOUNDS >>>			
1A. 2-CHLOROPHENOL	ND(5.0)	UG/L	619-67
2A. 2,4-DICHLOROPHENOL	ND(5.0)	UG/L	619-67
3A. 2,4-DIMETHYLPHENOL	ND(5.0)	UG/L	619-67
4A. 4,6-DINITRO-O-CRESOL	ND(50)	UG/L	619-67
5A. 2,4-DINITROPHENOL	ND(50)	UG/L	619-67
6A. 2-NITROPHENOL	ND(5.0)	UG/L	619-67
7A. 4-NITROPHENOL	ND(5.0)	UG/L	619-67
8A. P-CHLORO-M-CRESOL	ND(5.0)	UG/L	619-67
9A. PENTACHLOROPHENOL	ND(5.0)	UG/L	619-67
10A. PHENOL	ND(5.0)	UG/L	619-67

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LAB NUMBER: 86030163 (CONT.)

<u>ANALYSIS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>BOOK/PAGE</u>
11A. 2,4,6-TRICHLOROPHENOL	ND(5.0)	UG/L	619-67
—CONCLUSION—LAB NUMBER: 86030163 W86148-5			

LAB NUMBER: 86030164  
SAMPLE DESCRIPTION: W86148-6

<u>ANALYSIS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>BOOK-PAGE</u>
—CONCLUSION—LAB NUMBER: 86030164 W86148-6			

ND(), WHERE NOTED, INDICATES NONE DETECTED WITH THE DETECTION LIMIT IN PARENTHESES.

ANALYSES WERE PERFORMED ON SAMPLES AS RECEIVED IN ACCORDANCE WITH PROCEDURES  
PUBLISHED IN THE FEDERAL REGISTER, VOL. 49, NO. 209, OCT. 26, 1984 OR IN EPA  
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SAMPLES WILL BE RETAINED FOR 30 DAYS UNLESS OTHERWISE NOTIFIED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REPORT, PLEASE CONTACT PROJECT MANAGER  
CLIFFORD J. BAKER , OR THE UNDERSIGNED.

WILSON LABORATORIES

  
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