BC LABORATORIES

Base Neutral and Acid Extractables
Organic Analysis

TEXACO EXPLORATION & PRODUCTION
P. O. BOX 5197-X
BAKERSFIELD, CA 93388
Attn.: FRED HAGIST 399-2961

Date of Report: 02/17/92
Lab #: 1244-1

Sample Description: DISCHARGE TO BEARDSLEY CANAL, SAMPLED 2-11-92 @ 2:00 PM BY DAVID RITTENHOUSE

Test Method: EPA Method 8270

Sample Matrix: Water

Date Sample Collected: 02/11/92

Date Sample Received @ Lab: 02/11/92

Date Analysis Completed: 02/14/92

Constituents	Analysis Results	Reporting Units	Minimum Reporting Level
Acenaphthene	None Detected	µg/L	10.
Acenaphthylene	None Detected	µg/L	10.
Aldrin	None Detected	µg/L	10.
Aniline	None Detected	µg/L	10.
Anthracene	None Detected	µg/L	10.
Benzo (a) anthracene	None Detected	µg/L	10.
Benzo (b) fluoranthene	None Detected	µg/L	10.
Benzo (k) fluoranthene	None Detected	µg/L	10.
Benzo (a) pyrene	None Detected	µg/L	10.
Benzo (ghi) perylene	None Detected	µg/L	10.
Benzoic Acid	None Detected	µg/L	10.
Benzyl Alcohol	None Detected	µg/L	10.
Butyl Benzyl phthalate	None Detected	µg/L	10.
alpha-BHC	None Detected	µg/L	10.
beta-BHC	None Detected	µg/L	10.
delta-BHC	None Detected	µg/L	10.
gamma-BHC	None Detected	µg/L	10.
bis(2-chloroethyl)ether	None Detected	µg/L	10.
bis(2-chloroethoxy)methane	None Detected	µg/L	10.
bis(2-ethylhexyl)phthalate	None Detected	µg/L	10.
bis(2-chloroisopropyl)ether	None Detected	µg/L	10.
4-Bromophenyl phenyl ether	None Detected	µg/L	10.
4-Chloroaniline	None Detected	µg/L	10.
2-Chloronaphthalene	None Detected	µg/L	10.
4-Chlorophenyl phenyl ether	None Detected	µg/L	10.
Crysene	None Detected	µg/L	10.
4,4-DDD'	None Detected	µg/L	10.
4,4-DDE'	None Detected	µg/L	10.
4,4-DDT'	None Detected	µg/L	10.
Dibenzo (a,h) anthracene	None Detected	µg/L	10.
Dibenzofuran	None Detected	µg/L	10.

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Volatile Organic Analysis

TEXACO EXPLORATION & PRODUCTION
P. O. BOX 5197-X
BAKERSFIELD, CA 93388
Attn.: FRED HAGIST 399-2961

Date of Report: 02/18/92
Lab #: 1264-1

Sample Description: DISCHARGE TO BEARDSLEY CANAL, SAMPLED 2-11-92 @ 2:00 PM BY DAVID RITTENHOUSE

Test Method: EPA Method 8240

Sample Matrix: Water

Date Sample Collected:	Date Sample Received @ Lab:	Date Analysis Completed:
02/11/92	02/11/92	02/17/92

Constituents	Analysis Results	Reporting Units	Minimum Reporting Level
Benzene	None Detected	µg/L	0.5
Bromodichloromethane	None Detected	µg/L	0.5
Bromoform	None Detected	µg/L	0.5
Bromomethane	None Detected	µg/L	0.5
Carbon tetrachloride	None Detected	µg/L	0.5
Chlorobenzene	None Detected	µg/L	0.5
Chloroethane	None Detected	µg/L	0.5
2-Chloroethylvinyl ether	None Detected	µg/L	5.
Chloroform	None Detected	µg/L	0.5
Chloromethane	None Detected	µg/L	0.5
Dibromochloromethane	None Detected	µg/L	0.5
1,2-Dichlorobenzene	None Detected	µg/L	0.5
1,3-Dichlorobenzene	None Detected	µg/L	0.5
1,4-Dichlorobenzene	None Detected	µg/L	0.5
1,1-Dichloroethane	None Detected	µg/L	0.5
1,2-Dichloroethane	None Detected	µg/L	0.5
1,1-Dichloroethene	None Detected	µg/L	0.5
trans-1,2-Dichloroethene	None Detected	µg/L	0.5
1,2-Dichloropropane	None Detected	µg/L	0.5
cis-1,3-Dichloropropene	None Detected	µg/L	0.5
trans-1,3-Dichloropropene	None Detected	µg/L	0.5
Ethyl benzene	None Detected	µg/L	0.5
Methylene Chloride	None Detected	µg/L	0.5
1,1,2,2-Tetrachloroethane	None Detected	µg/L	0.5
Tetrachloroethene	None Detected	µg/L	0.5
Toluene	None Detected	µg/L	0.5
1,1,1-Trichloroethane	None Detected	µg/L	0.5
1,1,2-Trichloroethane	None Detected	µg/L	0.5
Trichloroethene	None Detected	µg/L	0.5
Trichlorofluoromethane	None Detected	µg/L	0.5

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Volatile Organic Analysis
(8240)

TEXACO EXPLORATION & PRODUCTION
P. O. BOX 5197-X
BAKERSFIELD, CA 93388
Attn.: FRED HAGIST 399-2961

Date of Report: 02/18/92
Lab #: 1244-1

Sample Description: DISCHARGE TO BEARDSLEY CANAL, SAMPLED 2-11-92 @ 2:00 PM BY DAVID RITTENHOUSE

Constituents	Analysis Results	Reporting Units	Minimum Reporting Level
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	µg/L	5.
Vinyl Chloride	None Detected	µg/L	0.5
m & p-Xylene	None Detected	µg/L	0.5
o-Xylene	None Detected	µg/L	0.5

California D.O.H.S. Cert. #1185

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Base Neutrals and Acids (Continued)

TEXACO EXPLORATION & PRODUCTION
P. O. BOX 5197-X
BAKERSFIELD, CA 93388
Attn.: FRED HAGIST 399-2961

Date of Report: 02/17/92
Lab #: 1244-1

Sample Description: DISCHARGE TO BEARDSLEY CANAL, SAMPLED 2-11-92 @ 2:00 PM BY DAVID RITTENHOUSE

Constituents	Analysis Results	Reporting Units	Minimum Reporting Level
Di-n-butyl phthalate	None Detected	µg/L	10.
1,3-Dichlorobenzene	None Detected	µg/L	10.
1,2-Dichlorobenzene	None Detected	µg/L	10.
1,4-Dichlorobenzene	None Detected	µg/L	10.
3,3-Dichlorobenzidine	None Detected	µg/L	10.
Dieldrin	None Detected	µg/L	10.
Diethyl phthalate	None Detected	µg/L	10.
Dimethyl phthalate	None Detected	µg/L	10.
2,4-Dinitrotoluene	None Detected	µg/L	10.
2,6-Dinitrotoluene	None Detected	µg/L	10.
Di-n-octylphthalate	None Detected	µg/L	10.
1,2-Diphenylhydrazine	None Detected	µg/L	10.
Endosulfan sulfate	None Detected	µg/L	10.
Endrin aldehyde	None Detected	µg/L	10.
Fluoranthene	None Detected	µg/L	10.
Fluorene	None Detected	µg/L	10.
Heptachlor	None Detected	µg/L	10.
Heptachlor epoxide	None Detected	µg/L	10.
Hexachlorobenzene	None Detected	µg/L	10.
Hexachlorobutadiene	None Detected	µg/L	10.
Hexachloroethane	None Detected	µg/L	10.
Ideno (1,2,3-cd) pyrene	None Detected	µg/L	10.
Isophorone	None Detected	µg/L	10.
2-Methylnaphthalene	None Detected	µg/L	10.
Naphthalene	None Detected	µg/L	10.
2-Nitroaniline	None Detected	µg/L	10.
3-Nitroaniline	None Detected	µg/L	10.
4-Nitroaniline	None Detected	µg/L	10.
Nitrobenzene	None Detected	µg/L	10.
N-Nitrosodi-n-propylamine	None Detected	µg/L	10.
Phenanthrene	None Detected	µg/L	10.
Pyrene	None Detected	µg/L	10.
1,2,4-Trichlorobenzene	None Detected	µg/L	10.
4-Chloro-3-methylphenol	None Detected	µg/L	10.
2-Chlorophenol	None Detected	µg/L	10.
2,4-Dichlorophenol	None Detected	µg/L	10.
2,4-Dimethylphenol	None Detected	µg/L	10.
2,4-Dinitrophenol	None Detected	µg/L	10.
2-Methyl-4,6-dinitrophenol	None Detected	µg/L	10.

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Base Neutrals and Acids (Continued)

TEXACO EXPLORATION & PRODUCTION
P. O. BOX 5197-X
BAKERSFIELD, CA 93388
Attn.: FRED HAGIST 399-2961

Date of Report: 02/17/92
Lab #: 1244-1

Sample Description: DISCHARGE TO BEARDSLEY CANAL, SAMPLED 2-11-92 @ 2:00 PM BY DAVID RITTENHOUSE

Constituents	Analysis Results	Reporting Units	Minimum Reporting Level
2-Methylphenol	None Detected	µg/L	10.
4-Methylphenol	None Detected	µg/L	10.
2-Nitrophenol	None Detected	µg/L	10.
4-Nitrophenol	None Detected	µg/L	10.
Pentachlorophenol	None Detected	µg/L	10.
Phenol	None Detected	µg/L	10.
2,4,5-Trichlorophenol	None Detected	µg/L	10.
2,4,6-Trichlorophenol	None Detected	µg/L	10.
Benzidene	None Detected	µg/L	10.
Endosulfan I	None Detected	µg/L	10.
Endosulfan II	None Detected	µg/L	10.
Endrin	None Detected	µg/L	10.
Hexachlorocyclopentadiene	None Detected	µg/L	10.
2-Naphthylamine	None Detected	µg/L	10.
N-Nitrosodimethylamine	None Detected	µg/L	10.
N-Nitrosodiphenylamine	None Detected	µg/L	10.

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Department Supervisor

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D Wright

BC LABORATORIES

TEXACO EXPLORATION & PRODUCTION
P. O. BOX 5197-X
BAKERSFIELD, CA 93388
Attn.: FRED HAGIST 399-2961

Date Reported: 02/25/92
Date Received: 02/11/92
Laboratory No.: 1244-1

Sample Description: DISCHARGE TO BEARDSLEY CANAL, SAMPLED 2-11-92 @ 2:00 PM BY DAVID RITTENHOUSE

WATER ANALYSIS
(GENERAL CHEMISTRY)

Constituents	Results	Units	D.L.R.	Method
Calcium	26.	mg/L	0.1	SW-7140
Magnesium	4.7	mg/L	0.01	SW-7450
Sodium	161.	mg/L	0.1	SW-7770
Potassium	8.9	mg/L	0.1	SW-7610
Total Cations	8.91	meq/L	0.01	Calculated
Hydroxide	None Detected	mg/L	0.8	SM-403
Carbonate	None Detected	mg/L	2.6	SM-403
Bicarbonate	253.	mg/L	2.6	SM-403
Chloride	126.	mg/L	1.8	EPA-300.0
Sulfate	58.	mg/L	5.0	EPA-300.0
Nitrate as NO3	None Detected	mg/L	0.4	EPA-300.0
Nitrate as N	None Detected	mg/L	0.1	EPA-300.0
Fluoride	0.66	mg/L	0.05	EPA-340.2
Bromide	0.44	mg/L	0.05	EPA-300.0
Total Anions	8.94	meq/L	0.01	Calculated
pH	7.3	pH Units	0.1	SW-9040
Electrical Conductivity @ 25 C	900.	umhos/cm	1.	SW-9050
Total Suspended Solids using glass fiber Type A/E	7.4	mg/kg	0.5	EPA-160.2
Color	20.	Color Units	1.0	EPA-110.2
Odor	50.	Odor Units	NA	EPA-140.1
MBAS	1.1	mg/L	0.02	EPA-425.1
Total Dissolved Solids by summation	512.	mg/l	10.	Calculated
Hardness as CaCO3	84.3	mg/L	0.3	Calculated
SAR	7.63	-	0.01	Calculated
Adjusted SAR	12.8	-	0.01	Calculated
ESP	9.09	-	0.01	Calculated
pHc	7.72	-	0.01	Calculated
Gypsum Requirement # 100% Gyp/Hr/100 Gal/Min	10.6	#100% gyp./	0.01	Calculated
Total Cyanide	None Detected	mg/L	0.02	EPA-335.3
Ammonia as NH3	1.9	mg/L	0.02	EPA-350.1
Total Sulfide	None Detected	mg/L	0.1	SM-427
Oil & Grease	18.1	mg/kg	5.0	EPA-413.1
Non-Volatile Organic Carbon	33.	mg/L	1.0	SW-9060
Biochemical Oxygen Demand	8.5	mg O/L	0.30	EPA-405.1
Chemical Oxygen Demand	104.	mg O/L	4.0	EPA-410.2

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TEXACO EXPLORATION & PRODUCTION
P. O. BOX 5197-X
BAKERSFIELD, CA 93388
Attn.: FRED HAGIST 399-2961

Date Reported: 02/25/92
Date Received: 02/11/92
Laboratory No.: 1244-1

Sample Description: DISCHARGE TO BEARDSLEY CANAL, SAMPLED 2-11-92 @ 2:00 PM BY DAVID RITTENHOUSE

WATER ANALYSIS
(METALS)

Constituents	Results	Units	D.L.R.	Method
Boron	1.2	mg/L	0.1	SW-6010
*Hexavalent Chromium	None Detected	µg/L	20.	SW-7196
Zinc	23.	µg/L	10.	SW-6010
Total Aluminum	None Detected	µg/L	50.	SW-6010
Total Antimony	None Detected	µg/L	100.	SW-6010
Total Arsenic	26.9	µg/L	2.	SW-7060
Total Barium	None Detected	µg/L	100.	SW-6010
Total Beryllium	None Detected	µg/L	10.	SW-6010
Total Cadmium	None Detected	µg/L	5.	SW-6010
Total Chromium	None Detected	µg/L	10.	SW-6010
Total Cobalt	None Detected	µg/L	10.	SW-6010
Total Copper	None Detected	µg/L	10.	SW-6010
Total Lead	None Detected	µg/L	5.	SW-7421
Total Manganese	100.	µg/L	10.	SW-6010
Total Mercury	None Detected	µg/L	0.2	EPA-245.1
Total Molybdenum	13.	µg/L	10.	SW-6010
Total Nickel	None Detected	µg/L	50.	SW-6010
Total Selenium	None Detected	µg/L	2.	SW-7740
Total Silver	None Detected	µg/L	10.	SW-6010
Total Tin	None Detected	µg/L	15.	EPA-282.2
Total Thallium	None Detected	µg/L	5.	SW-7841
Total Zinc	36.	µg/L	10.	SW-6010

D.L.R. = Detection Limit for Reporting purposes.

REFERENCES:
EPA = "Methods for Chemical Analysis of Water and Wastes", EPA-600, 14-79-020.
SW = "Test Methods for Evaluating Solid Wastes Physical/Chemical Methods", SW 846, September, 1986.

* Note: Detection limit raised due to matrix interferences.

M. Atencio
Department Supervisor

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BC LABORATORIES

TEXACO EXPLORATION & PRODUCTION
P. O. BOX 5197-X
BAKERSFIELD, CA 93388
Attn.: FRED HAGIST 399-2961

Date Reported: 02/27/92
Date Received: 02/11/92
Laboratory No.: 1244-1

Sample Description: DISCHARGE TO BEARDSLEY CANAL, SAMPLED 2-11-92 @ 2:00 PM BY DAVID RITTENHOUSE

WATER ANALYSIS

Constituents	Results	Units	D.L.R.	Method
Total Petroleum Hydrocarbons	2000.	µg/L	2000.	EPA-418.1

D.L.R. = Detection Limit for Reporting purposes.

REFERENCES:
EPA = "Methods for Chemical Analysis of Water and Wastes", EPA-600, 14-79-020.

Department Supervisor

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