Unocal Corporation
Diversified Business Group
13 Corporate Square, Suite 200
Atlanta, Georgia ~~30302~~ 30329
Telephone (404) 321-7600
Facsimile (404) 320-7915

UNOCAL 76

September 2, 1998

Mr. Waddell Watters
North Carolina Department of Environment
and Natural Resources, UST Section
585 Waughtown St., Winston Salem, NC 27107

RE: Ground Water Sampling Report
Former ~~Red Horse~~ Truck Stop
Incident #10119, Rank – High
Unocal Corporation Facility #9787-214
1342 Trollingwood Rd., Mebane, NC

Dear Mr. Watters:

Unocal Corporation submits herein the August 3, 1998 ground water sampling results with the air sparging system off. The air sparging system was shut down on July 15, 1998, as per your approval. No significant rebounding of dissolved hydrocarbons occurred relative to the May 12, 1998 sampling event. Only three compounds remain above the 15A NCAC 2L.0200 groundwater standards (4.8 μg/L of benzene and 16 μg/L of 1,2-dichloroethane in MW-3 and 2.2 μg/L of chloroform in MW-7). The reason the site is classified as High Risk is the location of one private water supply well approximately 500 feet upgradient of MW-3 (on-site). The presence of dissolved organic hydrocarbons in minimal concentrations at such a distance present no public health risk to the Williams well. Therefore, we are requesting the site be re-ranked to Low Risk, with the re-sampling of soil and groundwater using the .0115 methods for the possibility of closure.

Sincerely,
Unocal Corporation

Paul Lindquist SMH

Paul Lindquist
Senior Staff Geologist

GROUNDWATER SAMPLING REPORT
Incident No. 10119, Priority Ranking -High
Former Unocal Corporation Site #9787-214
1342 Trollingwood Road, Mebane, NC
S&ME Project No. 1354-94-603

Prepared For:

Unocal Corporation
Diversified Business Group
13 Corporate Square, Suite 200
Atlanta, Ga 30329

Prepared By:

S&ME, Inc.
PO Box 7668
Charlotte, NC 28273

September, 1998

S&ME

Celebrating 25 Years of Excellence

September 2, 1998

Mr. Waddell Watters
North Carolina Department of Environment,
and Natural Resources
585 Waughtown St., Winston Salem, NC 27107

Reference: **August 1998 Groundwater Sampling Report**
Incident No. 10119, Priority Ranking – High
Unocal Corporation Facility #9787-214, Former Red Horse Truckstop
1342 Trollingwood Road, Mebane, Alamance Co., NC
S&ME Project No. 1354-94-603

Dear Mr. Watters:

S&ME, Inc. (S&ME) on behalf of Unocal Corporation (Unocal) submits herein the August 1998 groundwater sampling report for the subject site. The sampling event was performed to evaluate groundwater conditions after the remediation system was deactivated on July 15, 1998, per your approval during our July 14, 1998 phone conversation. No significant rebounding of dissolved hydrocarbon concentrations occurred this sampling event, as compared to the May 12, 1998 groundwater sampling event.

GROUND WATER SURFACE LEVELS

Groundwater surface levels for MW-3, MW-4, MW-7 and MW-8 were measured on August 3, 1998 prior to well sampling and with the sparging system off. The groundwater surface level data obtained on this date is summarized in Table 1 during natural conditions. Figure 1 illustrates that groundwater flow on August 3, 1998 was toward the north/northwest under an average hydraulic gradient of 0.02. Groundwater flow has been predominantly toward the north/northwest. Therefore the groundwater flow direction on August 3, 1998 is consistent with previous flow directions since 1993.

GROUND WATER QUALITY

S&ME sampled groundwater from five monitor wells (MW-3, MW-4, DMW-5, MW-7 and MW-8) on August 3, 1998. Each monitor well was purged of three well volumes or until dry before sampling. Individual, disposable polyethylene bailers and clean nylon rope were used for sampling groundwater from each of the five monitor wells. A water sample was also collected on August 12, 1998 from the spigot closest to the Williams well located approximately 500 feet upgradient of MW-3 (on-site). The water was purged for approximately 10 minutes prior to sampling from the spigot.

The groundwater samples were analyzed for aromatic organics [including benzene, toluene, ethylbenzene, xylenes (BTEX), methyl-tert-butylether (MTBE) and isopropylether (IPE)] by EPA Method 602, halogenated organics by EPA Method 601 and polynuclear aromatic hydrocarbons by EPA Method 610. All analyses were performed by SPL laboratory of Scott, LA (NC certified laboratory #487). A copy of the laboratory results is attached. Table 2 summarizes historical and the most recent ground water quality data. Charts 1 and 2 graphically illustrate historical BTEX, MTBE and PNA concentrations.

All analytes were below laboratory method detection limits, except benzene, 1,2-dichloroethane and chloroform. The analytical results indicate that the groundwater beneath the site is in compliance with the 2L groundwater standards excluding 4.8 micrograms per liter (µg/L) of benzene and 16 µg/L of 1,2-dichloroethane in MW-3 and 2.2 µg/L of chloroform in MW-7. The previous reports dated June 18, 1998, March 19, 1998 and October 10, 1997 indicated very similar conditions. The 2L-groundwater standards for benzene, 1,2-DCA and chloroform are 1 µg/L, 0.38 µg/L and 0.19 µg/L, respectively. Dissolved hydrocarbons were not detected above method detection limits in MW-4, DMW-5 or MW-8 on August 3, 1998. No dissolved hydrocarbons have ever been detected above method detection limits in the Williams well.

August 3, 1998, nor have they ever been detected since sampling began in 1996.

The remaining low levels of dissolved hydrocarbons (4.8 μg/L of benzene and 16 μg/L of 1,2-dichloroethane in MW-3 and 2.2 μg/L of chloroform in MW-7) indicate very similar groundwater quality conditions, as compared to the previous May 12, 1998 sampling event, with air sparging on. Additional monitoring of groundwater does not seem reasonable, necessary or cost effective.

The remaining low levels of dissolved organics do not appear to pose an unacceptable risk to human health or the environment. Therefore, we recommend the NCDENR consider No Further Action. We understand that closure of this site may be achieved by (1) a Variance or (2) by reducing contaminant concentrations to below 2L standards by active remediation or natural attenuation. Variance approval may require up to two years or more based on our experience at other sites. Historical water quality data suggest that reaching 2L standards may not be feasible. Due to the low risk of impacting the one private supply well located approximately 500 feet upgradient of the site, we request the NCDENR evaluate site specific conditions and reclassify the site as a Low Risk site. We propose sampling the soil and groundwater where the recent highest concentrations have been detected for the .0115 parameters. The results would be compared with intermediate risk cleanup levels for possible closure. If this proposed work is acceptable to the NCDENR, S&ME will submit a Pre-Approval Task Authorization Form to you for approval.

The remaining low levels of dissolved organics are not likely to reach the Williams well, given the hydraulically upgradient position of the well approximately 500 feet from the site and effects of natural attenuation over time. If the groundwater flow beneath the site was toward the Williams well, the travel time would be approximately 20 years, based on the CSA hydrologic data and equation travel time (t) = 500 feet x 0.3 (effective porosity) / 1.006 ft/day (average hydraulic conductivity) x 0.02 (average hydraulic gradient) x 365 days/year . Furthermore, downgradient monitor well MW-8 revealed no dissolved hydrocarbons above the laboratory method detection limit.

Groundwater quality has improved dramatically for this site due to remedial efforts. Remediation appears to have reached its limits in terms of site clean up in an effective, economical and technologically feasible manner. The active air sparging system has reduced dissolved petroleum hydrocarbons to below method detection levels and or below groundwater standards. Dissolved gasoline and diesel in ground water on-site have reached asymptotic levels.

RECOMMENDATIONS

We believe that remediation has reached the limits of clean up of soil and groundwater in an economical and technologically feasible manner. Site remediation costs are currently being reimbursed from the State Commercial (91%) and Non-Commercial (9%) Trust Funds. Continued remediation is not believed to be reasonable, necessary or cost effective. The air sparging system was deactivated on July 15, 1998, as per your approval. We recommend permanently deactivating the air sparging system as continued remediation is not expected to remediate groundwater to below 2L groundwater standards, as indicated in Table 2.

The remaining low levels of dissolved hydrocarbons are not expected to reach the closest receptor (Williams well) well located approximately 500 feet south (hydraulically upgradient) of MW-3. No detectable hydrocarbons were measured in water sampled from the Williams well on

If you have any questions or need additional information, please call Stewart Hines of S&ME at 704-523-4726.

Sincerely,

S&ME, Inc.

NORTH CAROLINA LICENSED SEAL 1199 GEOLOGIST STEWART MARTIN HINES

9/2

Stewart M. Hines, L.G.
Project Manager

Al Quarles, L.G.
Senior Hydrogeologist

Enclosures

cc: Joe Reynolds – Speedway SuperAmerica LLC (Current Property Owner)
Mr. Williams - adjacent private well owner
Rick Holshouser – S&ME, Inc.
Ray Journigan-former property owner

S:\...\1994\94608\UMEBSA998.doc

TABLE 1

S&ME, INC.
LIQUID LEVELS
DATE: 8/3/98

SITE: UNOCAL-MEBANE, NC #9787-214
JOB# 1354-94-603
RECORDED BY: GARY SIMCOX (S&ME)

ID #	DTW	DTP	PT	ETW	ETP	ETC	WTE
MW-3	18.31	0.00	0.00	80.97	N/A	99.28	**80.97**
MW-4	18.38	0.00	0.00	80.22	N/A	98.60	**80.22**
DMW-5	N/A	0.00	0.00	N/A	N/A	97.11	**N/A**
MW-7	19.39	0.00	0.00	78.82	N/A	98.21	**78.82**
MW-8	23.04	0.00	0.00	77.43	N/A	100.47	**77.43**

COMMENTS: Topographic survey of all wells was re-evaluated on 8/16/96

ALL MEASUREMENTS IN FEET
DTW=depth to water from top of casing
DTP=depth to product
ETC=elevation of top of casing (usu. assumed datum of 98.21 feet from the former professional survey of MW-7
ETP=elevation of top of product
ETW=elevation of top of water
PT=product thickness
NA=Not Applicable
WTE=elevation of water table
BENCH MARK = MW-7, also elevation of fire hydrant bolt (black) is 100.83

TABLE 2
HISTORICAL GROUNDWATER QUALITY DATA
FORMER UNOCAL FACILITY #9787-214 (FORMER RED HORSE TRUCKSTOP)
1342 TROLLINGWOOD ROAD, MEBANE, NC
S&ME PROJECT #1354-94-603

MONITOR WELL	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	MTBE	IPE	METHOD 601 COMPONDS	METHOD 625/610 COMPOUNDS
MW-1	1/7/93	BQL	120	BQL	120	240	NA	NA	NA	NA
	1/18/93	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
(CLOSED)	11/10/94	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL
	3/12/95	BQL	BQL	BQL	BQL	BQL	1.11	BQL	BQL	BQL
	12/18/95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	2/21/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	5/4/96	MONITOR WELL CLOSED WITH GROUT DUE TO CONFLICT WITH NEW SPEEDWAY STATION PUMP ISLAND								
MW-2	1/7/93	810	20,000	17,000	95,000	132,810	NA	NA	NA	NA
	1/18/93	120	65	4.2	160	349.2	BQL	BQL	7.9	28
(CLOSED)	11/10/94	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL
	3/12/95	BQL	BQL	BQL	BQL	BQL	1.5	BQL	BQL	BQL
	12/18/95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	2/21/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	5/4/96	MONITOR WELL CLOSED WITH GROUT DUE TO CONFLICT WITH NEW SPEEDWAY STATION PUMP ISLAND								
MW-3	1/7,11/93	BQL	1300	2100	13,000	16,400	NA	NA	NA	NA
	1/26/93	84	82	5.1	590	761.1	BQL	BQL	8.4	22
	11/10/94	BQL	BQL	18.5	184	203	BQL	NA	13.2	BQL
	3/12/95	BQL	BQL	BQL	1.52	1.52	0.54	1.73	3.38	BQL
	12/18/95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	7.53	<1
	2/21/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	5.53	<1
	8/5/96	85	4.01	3.34	465	557	11.7	9.58	31.4	12.6
	11/22/96	5.1	<1.5	<1.5	2.72	7.82	1.53	4.83	6.68	3.13
	2/8/97	<1.5	<1.5	<1.5	<1.5	<1.5	4.30	11.3	8.94	<3
	8/14/97	0.827	<1.5	<1.5	<1.5	0.827	6.60	8.04	17.70	7.06
	2/24/98	13.2	<1.5	<1.5	1.88	^15.08	6.38	12.7	16.6	<3
	5/12/98	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	12.5	14	<1
	8/3/98	4.11	ND	ND	1.2	6	ND	ND	16-1,2-dichloroethane	ND
MW-4	1/11/93	BQL	1700	4900	31,000	37,600	NA	NA	NA	NA
	1/18/93	26,800	42,000	5200	24,000	98,000	12,000	BQL	6.8	6600
	11/10/94	22,100	40,100	4710	20,500	87,400	15,700	NA	29.3	431.5
	3/12/95	3150	4480	1830	2250	11,700	4370	<1	33.09	2710
	12/18/95	2840	5700	1170	5310	15000	3750	<1	<5-50	787.58
	2/21/96	821	1340	344	1990	4490	1810	<1	<5-50	119.3
	8/12/96	6.1	13.5	<5	27.6	47.2	165	<10	<5-50	<1
	11/26/96	4.59	16.2	<3	37	60.3	410	<6	<3-30	<3
	2/8/97	3.7	11.1	3.7	64.1	82.6	654	<6	<3-30	<3
	8/14/97	<0.60	<1.5	<1.5	<1.5	<1.5	74.70	<3	<0.75-15	<3
	2/24/98	<12	<30	<30	<30	<30	141	<60	<15-300	<3
	5/12/98	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.25-5	<1
	8/3/98	ND	ND	ND	ND	ND	ND	ND	ND	ND
15A NCAC 2L STANDARD (IN UG/L)		1	1000	29	530	NA	200	70	0.38- 1,2-DICHLOROETHANE	SEE 2L STANDARDS

K:\SHARED\...\1998\UMEBWQ.xls

NOTES:

* BQL = BELOW QUANTITATION LIMIT
* ND = NOT DETECTED
* ALL CONCENTRATIONS IN GROUNDWATER ARE IN UG/L (PPB)
* ANALYSES PERFORMED=METHODS 602, 601 AND 610

TABLE 2
HISTORICAL GROUNDWATER QUALITY DATA
FORMER UNOCAL FACILITY #9787-214 (FORMER RED HORSE TRUCKSTOP)
1342 TROLLINGWOOD ROAD, MEBANE, NC
S&ME PROJECT #1354-94-603

MONITOR WELL	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	MTBE	IPE	METHOD 601 COMPONDS	METHOD 625/610 COMPOUNDS
DMW-5	3/24/93	55	95	20	120	290	NA	NA	NA	NA
	12/18/95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	8/5/96	0.5	0.5	0.5	0.5	0.5	0.5	<1	<0.5-5	<1
	11/22/96	<1.5	16.2	<1.5	<1.5	16.2	<1.5	<3	BQL	BQL
	2/8/97	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<3	<3-15	<3
	8/14/97	<0.6	<1.5	<1.5	<1.5	<1.5	<1.5	<1	<0.5-5	<1
	2/24/98	<0.6	<1.5	<1.5	<1.5	<1.5	<1.5	<3	<0.9-15	<3
	5/12/98	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.25-5	<1
	8/3/98	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	3/17/93	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
(CLOSED)	11/10/94	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL
	3/12/95	BQL	1.61	0.754	4.16	6.52	BQL	BQL	BQL	BQL
	12/18/95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	2/21/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	5/4/96	MONITORI WELL CLOSED WITH GROUT DUE TO CONFLICT WITH NEW SPEEDWAY STATION PUMP ISLAND								
MW-7	3/8,17/93	BQL	BQL	BQL	BQL	BQL	BQL	BQL	6.5	BQL
	11/10/94	BQL	BQL	BQL	BQL	BQL	BQL	NA	1.4	BQL
	3/12/95	BQL	BQL	BQL	BQL	BQL	BQL	NA	1.25	BQL
	12/18/95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	2/21/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	8/5/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	11/22/96	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<3	BQL	BQL
	2/8/97	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<3	<3-15	<3
	8/14/97	<0.6	<1.5	<1.5	<1.5	<1.5	<1.5	<3	1.78	<3
	2/24/98	<0.6	<1.5	<1.5	<1.5	<1.5	<1.5	<3	3.68	<3
	5/12/98	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	2.77	<1
	8/3/98	ND	ND	ND	ND	ND	ND	ND	2.2 - chloroform	ND
MW-8	8/12/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	11/22/96	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<3	BQL	BQL
	2/8/97	<3	<3	<3	<3	<3	6.20	<6	<3-30	<3
	8/14/97	<0.6	<1.5	<1.5	<1.5	<1.5	<1.5	<3	<0.75-15	<3
	2/24/98	<0.6	<1.5	<1.5	<1.5	<1.5	12.8	<3	<0.75-15	<3
	5/12/98	<0.2	<0..5	<0.5	<0.5	<0.5	<0.5	<1	<0.25-5	<1
	8/3/98	ND	ND	ND	ND	ND	ND	ND	ND	ND
WILLIAMS WELL	8/12/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5-5	<1
	2/8/98	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<3	<3-15	<3
	8/14/97	<0.6	<1.5	<1.5	<1.5	<1.5	<1.5	<3	<0.75-15	<3
	2/24/98	<0.6	<1.5	<1.5	<1.5	<1.5	<1.5	<3	<0.75-15	<3
	5/12/98	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.25-5	<1
	8/3/98	ND	ND	ND	ND	ND	ND	ND	ND	ND
15A NCAC 2L STANDARD (IN UG/L)		1	1000	29	530	NA	200	70	0.38 - 1,2-DICHLOROETHANE 0.19 - CHLOROFORM	SEE 2L STANDARDS

K:\SHARED\...\1998\UMEBWQ.xls

NOTES:

* BQL = BELOW QUANTITATION LIMIT
* ND = NOT DETECTED
* ALL CONCENTRATIONS IN GROUNDWATER ARE IN UG/L (PPB)
* ANALYSES PERFORMED=METHODS 602, 601 AND 610

CHART 1 - UNOCAL-MEBANE, NC #9787-214
HISTORICAL GROUNDWATER QUALITY DATA

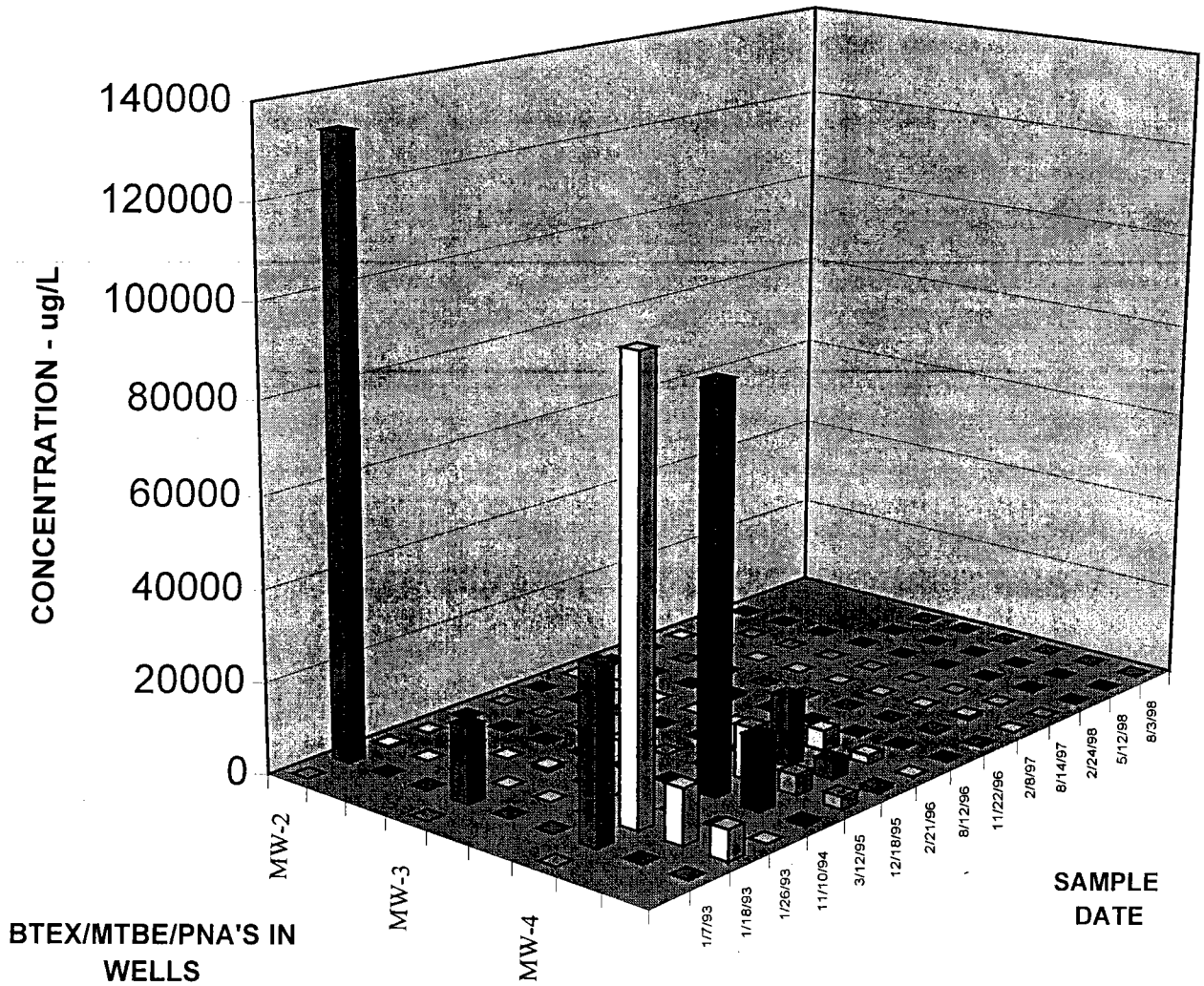
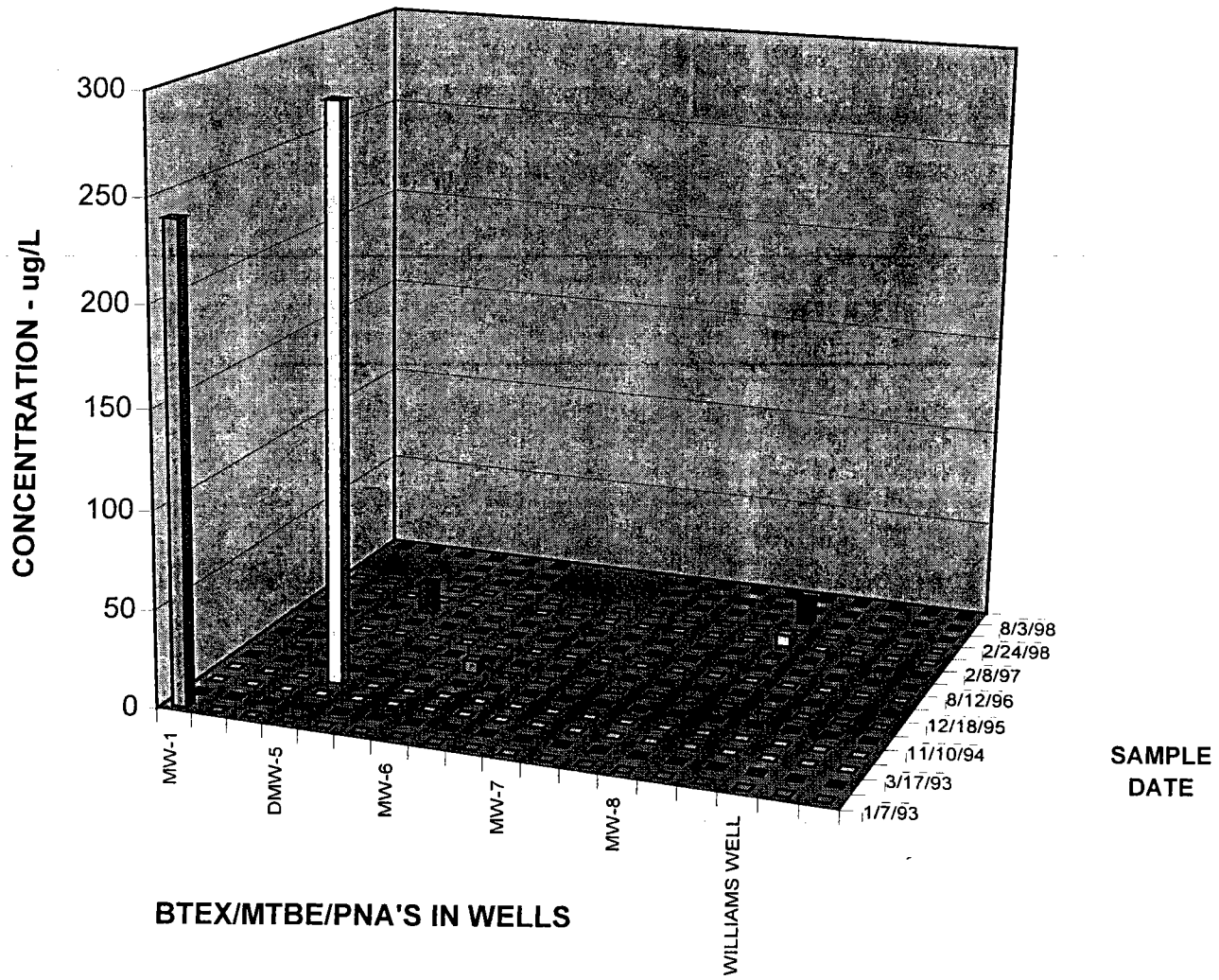


CHART 2 - UNOCAL-MEBANE, NC #9787-214
HISTROICAL GROUNDWATER QUALITY DATA



BTEX/MTBE/PNA'S IN WELLS

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

REC'D AUG 24 1998

LABORATORY REPORT

SPL WORKORDER NUMBER: 9808177

Submitted to:
STEWART HINES
S&ME
9751 SOUTHERN PINE BLVD
CHARLOTTE NC 28273

Reported: 08/18/98

Prepared For: UNOCAL CORPORATION

Measurement Basis: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

Approved By:

MIKE STEWART
Project Manager

Note: This report may not be reproduced, except in full, without written permission from SPL.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION

Site: MEBANE, NC

Project No:

Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-01	WATER	MW-8	8/3/98	Tetrachloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Bromoform	ND	0.50ug/L	601 40 CFR PART 136
				Dibromochloromethane	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Trichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloropropane	ND	0.50ug/L	601 40 CFR PART 136
				Bromodichloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Carbon tetrachloride	ND	0.50ug/L	601 40 CFR PART 136
				trans-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Dichlorodifluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Chlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2,2-Tetrachloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,3-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,4-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloromethane	ND	0.50ug/L	601 40 CFR PART 136
				cis-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				Trans-1,2-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				1,1,1-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Vinyl chloride	ND	0.50ug/L	601 40 CFR PART 136
				Bromomethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Trichlorofluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Methylene chloride	ND	0.50ug/L	601 40 CFR PART 136
				2-Chloroethylvinyl ether	ND	5.00ug/L	601 40 CFR PART 136
				Chloroform	ND	0.50ug/L	601 40 CFR PART 136
				Isopropyl Ether	ND	8ug/L	602 40 CFR PART 136
				Indeno (1,2,3-cd) pyrene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (b) fluoranthene	ND	5.5µg/L	610 40 CFR Part 136
				Chrysene	ND	5.5µg/L	610 40 CFR Part 136
				2-Methylnaphthalene	ND	5.5µg/L	610 40 CFR Part 136
				Naphthalene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (k) fluoranthene	ND	5.5µg/L	610 40 CFR Part 136
				Acenaphthylene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (g,h,i) perylene	ND	5.5µg/L	610 40 CFR Part 136
				Fluorene	ND	5.5µg/L	610 40 CFR Part 136

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION

Site: MEBANE, NC

Project No:

Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-01	WATER	MW-8	8/3/98	Benzo (a) anthracene	ND	5.5µg/L	610 40 CFR Part 136
				Fluoranthene	ND	5.5µg/L	610 40 CFR Part 136
				Anthracene	ND	5.5µg/L	610 40 CFR Part 136
				Pyrene	ND	5.5µg/L	610 40 CFR Part 136
				Phenanthrene	ND	5.5µg/L	610 40 CFR Part 136
				1-Methylnaphthalene	ND	5.5µg/L	610 40 CFR Part 136
				Acenaphthene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (a) pyrene	ND	5.5µg/L	610 40 CFR Part 136
				Dibenzo (a,h) anthracene	ND	5.5µg/L	610 40 CFR Part 136
				MTBE	ND	8ug/L	602 40 CFR PART 136
				Benzene	ND	1ug/L	602 40 CFR PART 136
				Toluene	ND	1ug/L	602 40 CFR PART 136
				EthylBenzene	ND	1ug/L	602 40 CFR PART 136
				Total Xylene	ND	1ug/L	602 40 CFR PART 136

ND - Not Detected.

Notes:
***Ref:** Methods for chemical Analysis of Water and Wastes, 1983, EPA.
****Ref:** Standard Methods for Examination of Water and Wastewater, 18th ed.
*****Ref:** Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION
Site: MEBANE, NC

Project No:
Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-02	WATER	MW-7	8/3/98	2-Chloroethylvinyl ether	ND	5.00ug/L	601 40 CFR PART 136
				1,2-Dichloropropane	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Chlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				Trichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				trans-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				1,3-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				Chloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromoform	ND	0.50ug/L	601 40 CFR PART 136
				cis-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				Dibromochloromethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2,2-Tetrachloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Trichlorofluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloroform	2.2	0.50ug/L	601 40 CFR PART 136
				Tetrachloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Dichlorodifluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Trans-1,2-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Vinyl chloride	ND	0.50ug/L	601 40 CFR PART 136
				Bromodichloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Carbon tetrachloride	ND	0.50ug/L	601 40 CFR PART 136
				Methylene chloride	ND	0.50ug/L	601 40 CFR PART 136
				1,4-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1,1-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromomethane	ND	0.50ug/L	601 40 CFR PART 136
				Isopropyl Ether	ND	8ug/L	602 40 CFR PART 136
				Chrysene	ND	5.5µg/L	610 40 CFR Part 136
				1-Methylnaphthalene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (k) fluoranthene	ND	5.5µg/L	610 40 CFR Part 136
				2-Methylnaphthalene	ND	5.5µg/L	610 40 CFR Part 136
				Anthracene	ND	5.5µg/L	610 40 CFR Part 136
				Acenaphthylene	ND	5.5µg/L	610 40 CFR Part 136
				Naphthalene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (a) anthracene	ND	5.5µg/L	610 40 CFR Part 136
				Indeno (1,2,3-cd) pyrene	ND	5.5µg/L	610 40 CFR Part 136

ND - Not Detected.

Notes:
*Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.
**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION

Site: MEBANE, NC

Project No:

Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-02	WATER	MW-7	8/3/98	Benzo (g,h,i) perylene	ND	5.5µg/L	610 40 CFR Part 136
				Dibenzo (a,h) anthracene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (a) pyrene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (b) fluoranthene	ND	5.5µg/L	610 40 CFR Part 136
				Phenanthrene	ND	5.5µg/L	610 40 CFR Part 136
				Fluoranthene	ND	5.5µg/L	610 40 CFR Part 136
				Pyrene	ND	5.5µg/L	610 40 CFR Part 136
				Acenaphthene	ND	5.5µg/L	610 40 CFR Part 136
				Fluorene	ND	5.5µg/L	610 40 CFR Part 136
				MTBE	ND	8ug/L	602 40 CFR PART 136
				Benzene	ND	1ug/L	602 40 CFR PART 136
				Toluene	ND	1ug/L	602 40 CFR PART 136
				EthylBenzene	ND	1ug/L	602 40 CFR PART 136
				Total Xylene	ND	1ug/L	602 40 CFR PART 136

ND - Not Detected.

Notes:
***Ref:** Methods for chemical Analysis of Water and Wastes, 1983, EPA.
****Ref:** Standard Methods for Examination of Water and Wastewater, 18th ed.
*****Ref:** Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION

Site: MEBANE, NC

Project No:

Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-03	WATER	MW-4	8/3/98	Chloroform	ND	0.50ug/L	601 40 CFR PART 136
				cis-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Tetrachloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Dibromochloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Chlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloropropane	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromodichloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Dichlorodifluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromomethane	ND	0.50ug/L	601 40 CFR PART 136
				1,4-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				Trichlorofluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromoform	ND	0.50ug/L	601 40 CFR PART 136
				Trichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				trans-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2,2-Tetrachloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Carbon tetrachloride	ND	0.50ug/L	601 40 CFR PART 136
				1,3-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				Methylene chloride	ND	0.50ug/L	601 40 CFR PART 136
				Trans-1,2-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1,1-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				2-Chloroethylvinyl ether	ND	5.00ug/L	601 40 CFR PART 136
				Vinyl chloride	ND	0.50ug/L	601 40 CFR PART 136
				Isopropyl Ether	ND	8ug/L	602 40 CFR PART 136
				Acenaphthylene	ND	16.5µg/L	610 40 CFR Part 136
				Pyrene	ND	16.5µg/L	610 40 CFR Part 136
				Benzo (a) anthracene	ND	16.5µg/L	610 40 CFR Part 136
				Anthracene	ND	16.5µg/L	610 40 CFR Part 136
				Indeno (1,2,3-cd) pyrene	ND	16.5µg/L	610 40 CFR Part 136
				Dibenzo (a,h) anthracene	ND	16.5µg/L	610 40 CFR Part 136
				Benzo (k) fluoranthene	ND	16.5µg/L	610 40 CFR Part 136
				Benzo (a) pyrene	ND	16.5µg/L	610 40 CFR Part 136
				Benzo (g,h,i) perylene	ND	16.5µg/L	610 40 CFR Part 136

ND - Not Detected.

Notes: ***Ref:** Methods for chemical Analysis of Water and Wastes, 1983, EPA.

****Ref:** Standard Methods for Examination of Water and Wastewater, 18th ed.

*****Ref:** Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION

Site: MEBANE, NC

Project No:

Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-03	WATER	MW-4	8/3/98	Fluorene	ND	16.5µg/L	610 40 CFR Part 136
				Chrysene	ND	16.5µg/L	610 40 CFR Part 136
				Benzo (b) fluoranthene	ND	16.5µg/L	610 40 CFR Part 136
				Naphthalene	ND	16.5µg/L	610 40 CFR Part 136
				Phenanthrene	ND	16.5µg/L	610 40 CFR Part 136
				Acenaphthene	ND	16.5µg/L	610 40 CFR Part 136
				2-Methylnaphthalene	ND	16.5µg/L	610 40 CFR Part 136
				1-Methylnaphthalene	ND	16.5µg/L	610 40 CFR Part 136
				Fluoranthene	ND	16.5µg/L	610 40 CFR Part 136
				MTBE	ND	8ug/L	602 40 CFR PART 136
				Benzene	ND	1ug/L	602 40 CFR PART 136
				Toluene	ND	1ug/L	602 40 CFR PART 136
				EthylBenzene	ND	1ug/L	602 40 CFR PART 136
				Total Xylene	ND	1ug/L	602 40 CFR PART 136

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION

Site: MEBANE, NC

Project No:

Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-04	WATER	MW-3	8/3/98	Trichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				1,4-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,3-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2,2-Tetrachloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromoform	ND	0.50ug/L	601 40 CFR PART 136
				Tetrachloroethene	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Chlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				Trichlorofluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Dibromochloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromodichloromethane	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloroethane	16	0.50ug/L	601 40 CFR PART 136
				trans-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloropropane	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				cis-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				Carbon tetrachloride	ND	0.50ug/L	601 40 CFR PART 136
				Dichlorodifluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1,1-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				2-Chloroethylvinyl ether	ND	5.00ug/L	601 40 CFR PART 136
				Methylene chloride	ND	0.50ug/L	601 40 CFR PART 136
				Chloroform	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Trans-1,2-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Vinyl chloride	ND	0.50ug/L	601 40 CFR PART 136
				Bromomethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Isopropyl Ether	ND	8ug/L	602 40 CFR PART 136
				Benzo (g,h,i) perylene	ND	5.5µg/L	610 40 CFR Part 136
				Phenanthrene	ND	5.5µg/L	610 40 CFR Part 136
				Fluoranthene	ND	5.5µg/L	610 40 CFR Part 136
				Pyrene	ND	5.5µg/L	610 40 CFR Part 136
				Chrysene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (b) fluoranthene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (a) anthracene	ND	5.5µg/L	610 40 CFR Part 136
				Dibenzo (a,h) anthracene	ND	5.5µg/L	610 40 CFR Part 136
				Indeno (1,2,3-cd) pyrene	ND	5.5µg/L	610 40 CFR Part 136

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION

Site: MEBANE, NC

Project No:

Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-04	WATER	MW-3	8/3/98	Fluorene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (k) fluoranthene	ND	5.5µg/L	610 40 CFR Part 136
				Acenaphthene	ND	5.5µg/L	610 40 CFR Part 136
				Anthracene	ND	5.5µg/L	610 40 CFR Part 136
				Benzo (a) pyrene	ND	5.5µg/L	610 40 CFR Part 136
				2-Methylnaphthalene	ND	5.5µg/L	610 40 CFR Part 136
				Naphthalene	ND	5.5µg/L	610 40 CFR Part 136
				Acenaphthylene	ND	5.5µg/L	610 40 CFR Part 136
				1-Methylnaphthalene	ND	5.5µg/L	610 40 CFR Part 136
				MTBE	ND	8ug/L	602 40 CFR PART 136
				Benzene	4.8	1ug/L	602 40 CFR PART 136
				Toluene	ND	1ug/L	602 40 CFR PART 136
				EthylBenzene	ND	1ug/L	602 40 CFR PART 136
				Total Xylene	1.2	1ug/L	602 40 CFR PART 136

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION

Site: MEBANE, NC

Project No:

Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-05	WATER	DMW-5	8/3/98	Chlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				Bromomethane	ND	0.50ug/L	601 40 CFR PART 136
				trans-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2,2-Tetrachloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,4-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,3-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				Chloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Methylene chloride	ND	0.50ug/L	601 40 CFR PART 136
				Tetrachloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Bromodichloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Trichlorofluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Trans-1,2-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloropropane	ND	0.50ug/L	601 40 CFR PART 136
				Vinyl chloride	ND	0.50ug/L	601 40 CFR PART 136
				2-Chloroethylvinyl ether	ND	5.00ug/L	601 40 CFR PART 136
				1,1-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromoform	ND	0.50ug/L	601 40 CFR PART 136
				cis-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Carbon tetrachloride	ND	0.50ug/L	601 40 CFR PART 136
				1,1,1-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloroform	ND	0.50ug/L	601 40 CFR PART 136
				Trichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Dibromochloromethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Dichlorodifluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Isopropyl Ether	ND	8ug/L	602 40 CFR PART 136
				Chrysene	ND	5.0µg/L	610 40 CFR Part 136
				1-Methylnaphthalene	ND	5.0µg/L	610 40 CFR Part 136
				Benzo (k) fluoranthene	ND	5.0µg/L	610 40 CFR Part 136
				2-Methylnaphthalene	ND	5.0µg/L	610 40 CFR Part 136
				Fluorene	ND	5.0µg/L	610 40 CFR Part 136
				Pyrene	ND	5.0µg/L	610 40 CFR Part 136
				Acenaphthene	ND	5.0µg/L	610 40 CFR Part 136
				Anthracene	ND	5.0µg/L	610 40 CFR Part 136
				Acenaphthylene	ND	5.0µg/L	610 40 CFR Part 136

ND - Not Detected.

Notes:
***Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.**
****Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.**
*****Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.**

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION
Site: MEBANE, NC

Project No:
Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-05	WATER	DMW-5	8/3/98	Indeno (1,2,3-cd) pyrene	ND	5.0µg/L	610 40 CFR Part 136
				Benzo (g,h,i) perylene	ND	5.0µg/L	610 40 CFR Part 136
				Dibenzo (a,h) anthracene	ND	5.0µg/L	610 40 CFR Part 136
				Benzo (a) pyrene	ND	5.0µg/L	610 40 CFR Part 136
				Benzo (b) fluoranthene	ND	5.0µg/L	610 40 CFR Part 136
				Phenanthrene	ND	5.0µg/L	610 40 CFR Part 136
				Fluoranthene	ND	5.0µg/L	610 40 CFR Part 136
				Naphthalene	ND	5.0µg/L	610 40 CFR Part 136
				Benzo (a) anthracene	ND	5.0µg/L	610 40 CFR Part 136
				MTBE	ND	8ug/L	602 40 CFR PART 136
				Benzene	ND	1ug/L	602 40 CFR PART 136
				Toluene	ND	1ug/L	602 40 CFR PART 136
				EthylBenzene	ND	1ug/L	602 40 CFR PART 136
				Total Xylene	ND	1ug/L	602 40 CFR PART 136

ND - Not Detected.

Notes:
*Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.
**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION

Site: MEBANE, NC

Project No:

Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-06	WATER	WILLIAMS	8/3/98	Chlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				1,3-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				Trans-1,2-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Trichlorofluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromodichloromethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromoform	ND	0.50ug/L	601 40 CFR PART 136
				Tetrachloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Dibromochloromethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1,2-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloroform	ND	0.50ug/L	601 40 CFR PART 136
				trans-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				cis-1,3-Dichloropropene	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,1,1-Trichloroethane	ND	0.50ug/L	601 40 CFR PART 136
				Carbon tetrachloride	ND	0.50ug/L	601 40 CFR PART 136
				2-Chloroethylvinyl ether	ND	5.00ug/L	601 40 CFR PART 136
				1,1,2,2-Tetrachloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichloropropane	ND	0.50ug/L	601 40 CFR PART 136
				1,2-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				Vinyl chloride	ND	0.50ug/L	601 40 CFR PART 136
				Methylene chloride	ND	0.50ug/L	601 40 CFR PART 136
				1,1-Dichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Trichloroethene	ND	0.50ug/L	601 40 CFR PART 136
				Dichlorodifluoromethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloromethane	ND	0.50ug/L	601 40 CFR PART 136
				Bromomethane	ND	0.50ug/L	601 40 CFR PART 136
				Chloroethane	ND	0.50ug/L	601 40 CFR PART 136
				1,4-Dichlorobenzene	ND	0.50ug/L	601 40 CFR PART 136
				Isopropyl Ether	ND	8ug/L	602 40 CFR PART 136
				Phenanthrene	ND	5.0µg/L	610 40 CFR Part 136
				Dibenzo (a,h) anthracene	ND	5.0µg/L	610 40 CFR Part 136
				Benzo (a) pyrene	ND	5.0µg/L	610 40 CFR Part 136
				Benzo (k) fluoranthene	ND	5.0µg/L	610 40 CFR Part 136
				Benzo (b) fluoranthene	ND	5.0µg/L	610 40 CFR Part 136
				Benzo (a) anthracene	ND	5.0µg/L	610 40 CFR Part 136
				Chrysene	ND	5.0µg/L	610 40 CFR Part 136
				Acenaphthene	ND	5.0µg/L	610 40 CFR Part 136
				Naphthalene	ND	5.0µg/L	610 40 CFR Part 136

ND - Not Detected.

Notes: *Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA.

**Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Date: Tuesday, August 18, 1998

*****SUMMARY REPORT*****

Company: UNOCAL CORPORATION
Site: MEBANE, NC

Project No:
Project: #9787214,1342 TROLLINGWOOD RD

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
9808177-06	WATER	WILLIAMS	8/3/98	Acenaphthylene	ND	5.0µg/L	610 40 CFR Part 136
				1-Methylnaphthalene	ND	5.0µg/L	610 40 CFR Part 136
				Fluoranthene	ND	5.0µg/L	610 40 CFR Part 136
				Indeno (1,2,3-cd) pyrene	ND	5.0µg/L	610 40 CFR Part 136
				Pyrene	ND	5.0µg/L	610 40 CFR Part 136
				Benzo (g,h,i) perylene	ND	5.0µg/L	610 40 CFR Part 136
				Fluorene	ND	5.0µg/L	610 40 CFR Part 136
				Anthracene	ND	5.0µg/L	610 40 CFR Part 136
				2-Methylnaphthalene	ND	5.0µg/L	610 40 CFR Part 136
				MTBE	ND	8ug/L	602 40 CFR PART 136
				Benzene	ND	1ug/L	602 40 CFR PART 136
				Toluene	ND	1ug/L	602 40 CFR PART 136
				EthylBenzene	ND	1ug/L	602 40 CFR PART 136
				Total Xylene	ND	1ug/L	602 40 CFR PART 136

ND - Not Detected.

Notes:
***Ref:** Methods for chemical Analysis of Water and Wastes, 1983, EPA.
****Ref:** Standard Methods for Examination of Water and Wastewater, 18th ed.
*****Ref:** Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-01

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.# 49728,AFE#835927785,COC#12230
DATE: 08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-8

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	8 P	ug/L
ISOPROPYL ETHER	ND	8 P	ug/L
BENZENE	ND	1 P	ug/L
TOLUENE	ND	1 P	ug/L
ETHYLBENZENE	ND	1 P	ug/L
TOTAL XYLENE	ND	1 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		ug/L

Surrogate	% Recovery
1,4-Difluorobenzene	99
4-Bromofluorobenzene	100

Method 602 40 CFR PART 136
Analyzed by: TD
Date: 08/06/98

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-01

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-8

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Dichlorodifluoromethane	ND	0.50	ug/L
Chloromethane	ND	0.50	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	0.50	ug/L
Chloroethane	ND	0.50	ug/L
Trichlorofluoromethane	ND	0.50	ug/L
1,1-Dichloroethene	ND	0.50	ug/L
Methylene chloride	ND	0.50	ug/L
Trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethane	ND	0.50	ug/L
Chloroform	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
2-Chloroethylvinyl ether	ND	5.00	ug/L
Trichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	0.50	ug/L
Bromodichloromethane	ND	0.50	ug/L
cis-1,3-Dichloropropene	ND	0.50	ug/L
trans-1,3-Dichloropropene	ND	0.50	ug/L
1,1,2-Trichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	0.50	ug/L
Dibromochloromethane	ND	0.50	ug/L
Chlorobenzene	ND	0.50	ug/L
Bromoform	ND	0.50	ug/L
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
1,3-Dichlorobenzene	ND	0.50	ug/L
1,4-Dichlorobenzene	ND	0.50	ug/L
1,2-Dichlorobenzene	ND	0.50	ug/L

METHOD: 601, Halogenated Volatile Organics
(continued on next page)

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-01

UNOCAL CORPORATION

SAMPLE ID: MW-8

SURROGATES	**% RECOVERY**
Bromochloromethane	138

ANALYZED BY: TD DATE/TIME: 08/11/98 22:41:00
METHOD: 601, Halogenated Volatile Organics
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-01

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-8

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	MDL*	UNITS
Naphthalene	ND	5.5	µg/L
Acenaphthylene	ND	5.5	µg/L
Acenaphthene	ND	5.5	µg/L
Fluorene	ND	5.5	µg/L
Phenanthrene	ND	5.5	µg/L
Anthracene	ND	5.5	µg/L
Fluoranthene	ND	5.5	µg/L
Pyrene	ND	5.5	µg/L
Benzo (a) anthracene	ND	5.5	µg/L
Chrysene	ND	5.5	µg/L
Benzo (b) fluoranthene	ND	5.5	µg/L
Benzo (k) fluoranthene	ND	5.5	µg/L
Benzo (a) pyrene	ND	5.5	µg/L
Dibenzo (a,h) anthracene	ND	5.5	µg/L
Benzo (g,h,i) perylene	ND	5.5	µg/L
Indeno (1,2,3-cd) pyrene	ND	5.5	µg/L

SURROGATES	% RECOVERY
2-Fluorobiphenyl	67

ANALYZED BY: MB DATE/TIME: 08/12/98 23:48:00
EXTRACTED BY: WJB DATE/TIME: 08/10/98 13:00:00
METHOD: EPA 610 - Polynuclear Aromatic Hydrocarbons
NOTES: * - Method Detection Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-02

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.# 49728,AFE#835927785,COC#12230
DATE: 08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-7

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	8 P	ug/L
ISOPROPYL ETHER	ND	8 P	ug/L
BENZENE	ND	1 P	ug/L
TOLUENE	ND	1 P	ug/L
ETHYLBENZENE	ND	1 P	ug/L
TOTAL XYLENE	ND	1 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		ug/L

Surrogate	% Recovery
1,4-Difluorobenzene	98
4-Bromofluorobenzene	99

Method 602 40 CFR PART 136
Analyzed by: TD
Date: 08/06/98

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-02

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-7

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Dichlorodifluoromethane	ND	0.50	ug/L
Chloromethane	ND	0.50	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	0.50	ug/L
Chloroethane	ND	0.50	ug/L
Trichlorofluoromethane	ND	0.50	ug/L
1,1-Dichloroethene	ND	0.50	ug/L
Methylene chloride	ND	0.50	ug/L
Trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethane	ND	0.50	ug/L
Chloroform	2.2	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
2-Chloroethylvinyl ether	ND	5.00	ug/L
Trichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	0.50	ug/L
Bromodichloromethane	ND	0.50	ug/L
cis-1,3-Dichloropropene	ND	0.50	ug/L
trans-1,3-Dichloropropene	ND	0.50	ug/L
1,1,2-Trichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	0.50	ug/L
Dibromochloromethane	ND	0.50	ug/L
Chlorobenzene	ND	0.50	ug/L
Bromoform	ND	0.50	ug/L
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
1,3-Dichlorobenzene	ND	0.50	ug/L
1,4-Dichlorobenzene	ND	0.50	ug/L
1,2-Dichlorobenzene	ND	0.50	ug/L

METHOD: 601, Halogenated Volatile Organics
(continued on next page)

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-02

UNOCAL CORPORATION

SAMPLE ID: MW-7

SURROGATES	**% RECOVERY**
Bromochloromethane	92

ANALYZED BY: TD DATE/TIME: 08/11/98 23:24:00
METHOD: 601, Halogenated Volatile Organics
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-02

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-7

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	MDL*	UNITS
Naphthalene	ND	5.5	µg/L
Acenaphthylene	ND	5.5	µg/L
Acenaphthene	ND	5.5	µg/L
Fluorene	ND	5.5	µg/L
Phenanthrene	ND	5.5	µg/L
Anthracene	ND	5.5	µg/L
Fluoranthene	ND	5.5	µg/L
Pyrene	ND	5.5	µg/L
Benzo (a) anthracene	ND	5.5	µg/L
Chrysene	ND	5.5	µg/L
Benzo (b) fluoranthene	ND	5.5	µg/L
Benzo (k) fluoranthene	ND	5.5	µg/L
Benzo (a) pyrene	ND	5.5	µg/L
Dibenzo (a,h) anthracene	ND	5.5	µg/L
Benzo (g,h,i) perylene	ND	5.5	µg/L
Indeno (1,2,3-cd) pyrene	ND	5.5	µg/L

SURROGATES	% RECOVERY
2-Fluorobiphenyl	103

ANALYZED BY: MB DATE/TIME: 08/12/98 23:48:00
EXTRACTED BY: WJB DATE/TIME: 08/10/98 13:00:00
METHOD: EPA 610 - Polynuclear Aromatic Hydrocarbons
NOTES: * - Method Detection Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-03

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.# 49728,AFE#835927785,COC#12230
DATE: 08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-4

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	8 P	ug/L
ISOPROPYL ETHER	ND	8 P	ug/L
BENZENE	ND	1 P	ug/L
TOLUENE	ND	1 P	ug/L
ETHYLBENZENE	ND	1 P	ug/L
TOTAL XYLENE	ND	1 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		ug/L

Surrogate	% Recovery
1,4-Difluorobenzene	95
4-Bromofluorobenzene	96

Method 602 40 CFR PART 136
Analyzed by: TD
Date: 08/06/98

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

COMMENTS: Surrogate failure due to matrix interferences.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-03

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-4

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Dichlorodifluoromethane	ND	0.50	ug/L
Chloromethane	ND	0.50	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	0.50	ug/L
Chloroethane	ND	0.50	ug/L
Trichlorofluoromethane	ND	0.50	ug/L
1,1-Dichloroethene	ND	0.50	ug/L
Methylene chloride	ND	0.50	ug/L
Trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethane	ND	0.50	ug/L
Chloroform	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
2-Chloroethylvinyl ether	ND	5.00	ug/L
Trichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	0.50	ug/L
Bromodichloromethane	ND	0.50	ug/L
cis-1,3-Dichloropropene	ND	0.50	ug/L
trans-1,3-Dichloropropene	ND	0.50	ug/L
1,1,2-Trichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	0.50	ug/L
Dibromochloromethane	ND	0.50	ug/L
Chlorobenzene	ND	0.50	ug/L
Bromoform	ND	0.50	ug/L
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
1,3-Dichlorobenzene	ND	0.50	ug/L
1,4-Dichlorobenzene	ND	0.50	ug/L
1,2-Dichlorobenzene	ND	0.50	ug/L

METHOD: 601, Halogenated Volatile Organics
(continued on next page)

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-03

UNOCAL CORPORATION

SAMPLE ID: MW-4

SURROGATES	**% RECOVERY**
Bromochloromethane	144 «

ANALYZED BY: TD DATE/TIME: 08/12/98 00:07:00
METHOD: 601, Halogenated Volatile Organics
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS: Surrogate failure due to matrix interferences.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-03

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-4

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	MDL*	UNITS
Naphthalene	ND	16.5	µg/L
Acenaphthylene	ND	16.5	µg/L
Acenaphthene	ND	16.5	µg/L
Fluorene	ND	16.5	µg/L
Phenanthrene	ND	16.5	µg/L
Anthracene	ND	16.5	µg/L
Fluoranthene	ND	16.5	µg/L
Pyrene	ND	16.5	µg/L
Benzo (a) anthracene	ND	16.5	µg/L
Chrysene	ND	16.5	µg/L
Benzo (b) fluoranthene	ND	16.5	µg/L
Benzo (k) fluoranthene	ND	16.5	µg/L
Benzo (a) pyrene	ND	16.5	µg/L
Dibenzo (a,h) anthracene	ND	16.5	µg/L
Benzo (g,h,i) perylene	ND	16.5	µg/L
Indeno (1,2,3-cd) pyrene	ND	16.5	µg/L

SURROGATES	% RECOVERY
2-Fluorobiphenyl	80

ANALYZED BY: MB DATE/TIME: 08/12/98 23:48:00
EXTRACTED BY: WJB DATE/TIME: 08/10/98 13:00:00
METHOD: EPA 610 - Polynuclear Aromatic Hydrocarbons
NOTES: * - Method Detection Limit ND - Not Detected
NA - Not Analyzed

COMMENTS: Surrogate failure due to matrix interferences.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-04

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.# 49728,AFE#835927785,COC#12230
DATE: 08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-3

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	8 P	ug/L
ISOPROPYL ETHER	ND	8 P	ug/L
BENZENE	4.8	1 P	ug/L
TOLUENE	ND	1 P	ug/L
ETHYLBENZENE	ND	1 P	ug/L
TOTAL XYLENE	1.2	1 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	6.0		ug/L

Surrogate	% Recovery
1,4-Difluorobenzene	102
4-Bromofluorobenzene	114

Method 602 40 CFR PART 136
Analyzed by: TD
Date: 08/06/98

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-04

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-3

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Dichlorodifluoromethane	ND	0.50	ug/L
Chloromethane	ND	0.50	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	0.50	ug/L
Chloroethane	ND	0.50	ug/L
Trichlorofluoromethane	ND	0.50	ug/L
1,1-Dichloroethene	ND	0.50	ug/L
Methylene chloride	ND	0.50	ug/L
Trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethane	ND	0.50	ug/L
Chloroform	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dichloroethane	16	0.50	ug/L
2-Chloroethylvinyl ether	ND	5.00	ug/L
Trichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	0.50	ug/L
Bromodichloromethane	ND	0.50	ug/L
cis-1,3-Dichloropropene	ND	0.50	ug/L
trans-1,3-Dichloropropene	ND	0.50	ug/L
1,1,2-Trichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	0.50	ug/L
Dibromochloromethane	ND	0.50	ug/L
Chlorobenzene	ND	0.50	ug/L
Bromoform	ND	0.50	ug/L
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
1,3-Dichlorobenzene	ND	0.50	ug/L
1,4-Dichlorobenzene	ND	0.50	ug/L
1,2-Dichlorobenzene	ND	0.50	ug/L

METHOD: 601, Halogenated Volatile Organics
(continued on next page)

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-04

UNOCAL CORPORATION

SAMPLE ID: MW-3

SURROGATES	% RECOVERY
Bromochloromethane	83

ANALYZED BY: TD DATE/TIME: 08/12/98 00:49:00
METHOD: 601, Halogenated Volatile Organics
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-04

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: MW-3

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	MDL*	UNITS
Naphthalene	ND	5.5	µg/L
Acenaphthylene	ND	5.5	µg/L
Acenaphthene	ND	5.5	µg/L
Fluorene	ND	5.5	µg/L
Phenanthrene	ND	5.5	µg/L
Anthracene	ND	5.5	µg/L
Fluoranthene	ND	5.5	µg/L
Pyrene	ND	5.5	µg/L
Benzo (a) anthracene	ND	5.5	µg/L
Chrysene	ND	5.5	µg/L
Benzo (b) fluoranthene	ND	5.5	µg/L
Benzo (k) fluoranthene	ND	5.5	µg/L
Benzo (a) pyrene	ND	5.5	µg/L
Dibenzo (a,h) anthracene	ND	5.5	µg/L
Benzo (g,h,i) perylene	ND	5.5	µg/L
Indeno (1,2,3-cd) pyrene	ND	5.5	µg/L

SURROGATES	% RECOVERY
2-Fluorobiphenyl	106

ANALYZED BY: MB DATE/TIME: 08/12/98 23:48:00
EXTRACTED BY: WJB DATE/TIME: 08/10/98 13:00:00
METHOD: EPA 610 - Polynuclear Aromatic Hydrocarbons
NOTES: * - Method Detection Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-05

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.# 49728,AFE#835927785,COC#12230
DATE: 08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: DMW-5

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	8 P	ug/L
ISOPROPYL ETHER	ND	8 P	ug/L
BENZENE	ND	1 P	ug/L
TOLUENE	ND	1 P	ug/L
ETHYLBENZENE	ND	1 P	ug/L
TOTAL XYLENE	ND	1 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		ug/L

Surrogate	% Recovery
1,4-Difluorobenzene	98
4-Bromofluorobenzene	100

Method 602 40 CFR PART 136
Analyzed by: TD
Date: 08/06/98

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-05

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: DMW-5

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Dichlorodifluoromethane	ND	0.50	ug/L
Chloromethane	ND	0.50	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	0.50	ug/L
Chloroethane	ND	0.50	ug/L
Trichlorofluoromethane	ND	0.50	ug/L
1,1-Dichloroethene	ND	0.50	ug/L
Methylene chloride	ND	0.50	ug/L
Trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethane	ND	0.50	ug/L
Chloroform	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
2-Chloroethylvinyl ether	ND	5.00	ug/L
Trichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	0.50	ug/L
Bromodichloromethane	ND	0.50	ug/L
cis-1,3-Dichloropropene	ND	0.50	ug/L
trans-1,3-Dichloropropene	ND	0.50	ug/L
1,1,2-Trichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	0.50	ug/L
Dibromochloromethane	ND	0.50	ug/L
Chlorobenzene	ND	0.50	ug/L
Bromoform	ND	0.50	ug/L
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
1,3-Dichlorobenzene	ND	0.50	ug/L
1,4-Dichlorobenzene	ND	0.50	ug/L
1,2-Dichlorobenzene	ND	0.50	ug/L

METHOD: 601, Halogenated Volatile Organics
(continued on next page)

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-05

UNOCAL CORPORATION

SAMPLE ID: DMW-5

SURROGATES	**% RECOVERY**
Bromochloromethane	70

ANALYZED BY: TD DATE/TIME: 08/12/98 01:32:00
METHOD: 601, Halogenated Volatile Organics
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-05

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: DMW-5

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	MDL*	UNITS
Naphthalene	ND	5.0	µg/L
Acenaphthylene	ND	5.0	µg/L
Acenaphthene	ND	5.0	µg/L
Fluorene	ND	5.0	µg/L
Phenanthrene	ND	5.0	µg/L
Anthracene	ND	5.0	µg/L
Fluoranthene	ND	5.0	µg/L
Pyrene	ND	5.0	µg/L
Benzo (a) anthracene	ND	5.0	µg/L
Chrysene	ND	5.0	µg/L
Benzo (b) fluoranthene	ND	5.0	µg/L
Benzo (k) fluoranthene	ND	5.0	µg/L
Benzo (a) pyrene	ND	5.0	µg/L
Dibenzo (a,h) anthracene	ND	5.0	µg/L
Benzo (g,h,i) perylene	ND	5.0	µg/L
Indeno (1,2,3-cd) pyrene	ND	5.0	µg/L

SURROGATES	% RECOVERY
2-Fluorobiphenyl	75

ANALYZED BY: MB DATE/TIME: 08/12/98 23:48:00
EXTRACTED BY: WJB DATE/TIME: 08/10/98 13:00:00
METHOD: EPA 610 - Polynuclear Aromatic Hydrocarbons
NOTES: * - Method Detection Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-06

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.# 49728,AFE#835927785,COC#12230
DATE: 08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: WILLIAMS

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
MTBE	ND	8 P	ug/L
ISOPROPYL ETHER	ND	8 P	ug/L
BENZENE	ND	1 P	ug/L
TOLUENE	ND	1 P	ug/L
ETHYLBENZENE	ND	1 P	ug/L
TOTAL XYLENE	ND	1 P	ug/L
TOTAL VOLATILE AROMATIC HYDROCARBONS	ND		ug/L

Surrogate	% Recovery
1,4-Difluorobenzene	99
4-Bromofluorobenzene	100

Method 602 40 CFR PART 136
Analyzed by: TD
Date: 08/06/98

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-06

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: WILLIAMS

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Dichlorodifluoromethane	ND	0.50	ug/L
Chloromethane	ND	0.50	ug/L
Vinyl chloride	ND	0.50	ug/L
Bromomethane	ND	0.50	ug/L
Chloroethane	ND	0.50	ug/L
Trichlorofluoromethane	ND	0.50	ug/L
1,1-Dichloroethene	ND	0.50	ug/L
Methylene chloride	ND	0.50	ug/L
Trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethane	ND	0.50	ug/L
Chloroform	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	ug/L
Carbon tetrachloride	ND	0.50	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
2-Chloroethylvinyl ether	ND	5.00	ug/L
Trichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	0.50	ug/L
Bromodichloromethane	ND	0.50	ug/L
cis-1,3-Dichloropropene	ND	0.50	ug/L
trans-1,3-Dichloropropene	ND	0.50	ug/L
1,1,2-Trichloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	0.50	ug/L
Dibromochloromethane	ND	0.50	ug/L
Chlorobenzene	ND	0.50	ug/L
Bromoform	ND	0.50	ug/L
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
1,3-Dichlorobenzene	ND	0.50	ug/L
1,4-Dichlorobenzene	ND	0.50	ug/L
1,2-Dichlorobenzene	ND	0.50	ug/L

METHOD: 601, Halogenated Volatile Organics
(continued on next page)

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-06

UNOCAL CORPORATION

SAMPLE ID: WILLIAMS

SURROGATES	**% RECOVERY**
Bromochloromethane	110

ANALYZED BY: TD DATE/TIME: 08/12/98 02:15:00
METHOD: 601, Halogenated Volatile Organics
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Certificate of Analysis No. L1-9808177-06

UNOCAL CORPORATION
2300 BARRINGTON ROAD, STE 500
HOFFMAN ESTATES, IL 60195
ATTN: PAUL LINQUIST

P.O.#
49728,AFE#835927785,COC#12230
08/18/98

PROJECT: #9787214,1342 TROLLINGWOOD RD
SITE: MEBANE, NC
SAMPLED BY: S&ME
SAMPLE ID: WILLIAMS

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 08/03/98
DATE RECEIVED: 08/05/98

ANALYTICAL DATA

PARAMETER	RESULTS	MDL*	UNITS
Naphthalene	ND	5.0	µg/L
Acenaphthylene	ND	5.0	µg/L
Acenaphthene	ND	5.0	µg/L
Fluorene	ND	5.0	µg/L
Phenanthrene	ND	5.0	µg/L
Anthracene	ND	5.0	µg/L
Fluoranthene	ND	5.0	µg/L
Pyrene	ND	5.0	µg/L
Benzo (a) anthracene	ND	5.0	µg/L
Chrysene	ND	5.0	µg/L
Benzo (b) fluoranthene	ND	5.0	µg/L
Benzo (k) fluoranthene	ND	5.0	µg/L
Benzo (a) pyrene	ND	5.0	µg/L
Dibenzo (a,h) anthracene	ND	5.0	µg/L
Benzo (g,h,i) perylene	ND	5.0	µg/L
Indeno (1,2,3-cd) pyrene	ND	5.0	µg/L

SURROGATES	% RECOVERY
2-Fluorobiphenyl	76

ANALYZED BY: MB DATE/TIME: 08/12/98 23:48:00
EXTRACTED BY: WJB DATE/TIME: 08/10/98 13:00:00
METHOD: EPA 610 - Polynuclear Aromatic Hydrocarbons
NOTES: * - Method Detection Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: This analysis was performed in accordance with EPA guidelines for analysis and quality control. Results on Dry Weight Basis for soil samples. SPL Certification Number 487

** SPL BATCH QUALITY CONTROL REPORT **

Method 602 [40 CFR]

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Matrix: Water

Units: ug/L

Batch Id: HPCC980806114300

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
MTBE	ND	50	43	86.0	39 - 150
Isopropyl Ether	ND	50	48	96.0	39 - 150
Benzene	ND	50	49	98.0	39 - 150
Toluene	ND	50	49	98.0	46 - 148
Ethyl Benzene	ND	50	50	100	32 - 160
O-Xylene	ND	50	49	98.0	32 - 160
M and P Xylene	ND	100	100	100	32 - 160

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
MTBE	ND	20	18	90.0	17	85.0	5.71	20	39 - 150
ISOPROPYL ETHER	ND	20	18	90.0	18	90.0	0	20	39 - 150
BENZENE	ND	20	20	100	20	100	0	20	39 - 150
TOLUENE	ND	20	20	100	20	100	0	20	46 - 148
ETHYL BENZENE	ND	20	20	100	20	100	0	20	32 - 160
O-XYLENE	ND	20	20	100	19	95.0	5.13	20	32 - 160
M AND P XYLENE	ND	40	41	102	41	102	0	20	32 - 160

Analyst: TD

Sequence Date: 08/05/98

SPL ID of sample spiked: 9808177-05A

Sample File ID: CH06416.TX0

Method Blank File ID:

Blank Spike File ID: CH06403.TX0

Matrix Spike File ID: CH06418.TX0

Matrix Spike Duplicate File ID: CH06419.TX0

* = Values Outside QC Range. « = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: 602 Table 2

(***) = Source: 602 Table 2

SAMPLES IN BATCH(SPL ID): 9808177-05A 9808177-06A 9808176-03A 9808176-04A
9808177-01A 9808177-02A 9808177-03A 9808177-04A

** SPL BATCH QUALITY CONTROL REPORT **

Method 601 40 CFR PART 136

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Matrix: Water

Units: ug/L

Batch Id: HPOO980811095600

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Dichlorodifluoromethane	ND	10.00	6.7	67.0	-
Chloromethane	ND	10.00	14	140	- 193
Vinyl chloride	ND	10.00	9.0	90.0	28 - 163
Bromomethane	ND	10.00	9.1	91.0	- 170
Chloroethane	ND	10.00	8.1	81.0	46 - 175
Trichlorofluoromethane	ND	10.00	7.3	73.0	21 - 156
1,1-Dichloroethene	ND	10.00	9.4	94.0	28 - 167
Methylene chloride	ND	10.00	12	120	25 - 162
Trans-1,2-Dichloroethene	ND	10.00	9.7	97.0	38 - 155
1,1-Dichloroethane	ND	10.00	9.9	99.0	47 - 142
Chloroform	ND	10.00	9.3	93.0	49 - 133
1,1,1-Trichloroethane	ND	10.00	9.6	96.0	41 - 138
Carbon tetrachloride	ND	10.00	12	120	43 - 143
1,2-Dichloroethane	ND	10.00	11	110	51 - 147
2-Chloroethylvinyl ether	ND	10.00	8.7	87.0	14 - 186
Trichloroethene	ND	10.00	12	120	35 - 156
1,2-Dichloropropane	ND	10.00	10	100	44 - 156
Bromodichloromethane	ND	10.00	11	110	42 - 172
cis-1,3-Dichloropropene	ND	10.00	11	110	22 - 178
trans-1,3-Dichloropropene	ND	10.00	15	150	22 - 178
1,1,2-Trichloroethane	ND	10.00	11	110	39 - 136
Tetrachloroethene	ND	10.00	11	110	26 - 162
Dibromochloromethane	ND	10.00	13	130	24 - 191
Chlorobenzene	ND	10.00	11	110	38 - 150
Bromoform	ND	10.00	7.5	75.0	13 - 159
1,1,2,2-Tetrachloroethane	ND	10.00	9.9	99.0	8 - 184
1,3-Dichlorobenzene	ND	10.00	9.6	96.0	7 - 187
1,4-Dichlorobenzene	ND	10.00	9.9	99.0	- 208
1,2-Dichlorobenzene	ND	10.00	9.4	94.0	42 - 143

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	Recovery Range
DICHLORODIFLUOROMETHANE	ND	10.0	5.7	57.0	4.6	46.0	21.4		-
CHLOROMETHANE	ND	10.0	16	160	12	120	28.6	37	- 193
VINYL CHLORIDE	ND	10.0	10	100	6.1	61.0	48.4 *	29	28 - 163
BROMOMETHANE	ND	10.0	9.4	94.0	8.9	89.0	5.46	38	- 170
CHLOROETHANE	ND	10.0	8.9	89.0	8.7	87.0	2.27	32	46 - 175

** SPL BATCH QUALITY CONTROL REPORT **

Method 601 40 CFR PART 136

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Matrix: Water

Units: ug/L

Batch Id: HPOO980811095600

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
TRICHLOROFLUOROMETHANE	ND	10.0	9.7	97.0	9.6	96.0	1.04	30	21 - 156
1,1-DICHLOROETHENE	ND	10.0	9.9	99.0	12	120	19.2	33	28 - 167
METHYLENE CHLORIDE	ND	10.0	12	120	14	140	15.4	20	25 - 162
TRANS-1,2-DICHLOROETHENE	ND	10.0	12	120	17	170 «	34.5 «	32	38 - 155
1,1-DICHLOROETHANE	ND	10.0	13	130	17	170 «	26.7 «	20	47 - 132
CHLOROFORM	ND	10.0	13	130	17	170 «	26.7 «	23	49 - 133
1,1,1-TRICHLOROETHANE	ND	10.0	11	110	17	170 «	42.9 «	24	41 - 148
CARBON TETRACHLORIDE	ND	10.0	11	110	19	190 «	53.3 «	28	43 - 143
1,2-DICHLOROETHANE	ND	10.0	11	110	18	180 «	48.3 «	26	51 - 147
2-CHLOROETHYLVINYL ETHER	ND	10.0	9.6	96.0	15	150	43.9 «	42	14 - 186
TRICHLOROETHENE	ND	10.0	9.9	99.0	17	170 «	52.8 «	21	35 - 156
1,2-DICHLOROPROPANE	ND	10.0	10	100	16	160 «	46.2 «	26	44 - 156
BROMODICHLOROMETHANE	ND	10.0	8.5	85.0	17	170	66.7 «	22	42 - 172
CIS-1,3-DICHLOROPROPENE	ND	10.0	9.9	99.0	14	140	34.3	37	22 - 178
TRANS-1,3-DICHLOROPROPENE	ND	10.0	12	120	16	160	28.6	37	22 - 178
1,1,2-TRICHLOROETHANE	ND	10.0	10.1	101	12	120	17.2	22	39 - 136
TETRACHLOROETHENE	ND	10.0	8.6	86.0	12	120	33.0 «	27	26 - 162
DIBROMOCHLOROMETHANE	ND	10.0	8.9	89.0	12	120	29.7	32	24 - 191
CHLOROBENZENE	ND	10.0	7.8	78.0	11	110	34.0 «	25	38 - 150
BROMOFORM	ND	10.0	7.4	74.0	8.6	86.0	15.0	24	13 - 159
1,1,2,2-TETRACHLOROETHANE	ND	10.0	8.7	87.0	9.4	94.0	7.73	46	8 - 184
1,3-DICHLOROBENZENE	ND	10.0	8.1	81.0	9.8	98.0	19.0	46	7 - 187
1,4-DICHLOROBENZENE	ND	10.0	8.7	87.0	9.9	99.0	12.9	28	- 208
1,2-DICHLOROBENZENE	ND	10.0	8.4	84.0	9.6	96.0	13.3	28	42 - 143

Analyst: TD

Sequence Date: 08/11/98

SPL ID of sample spiked: 9808177-06B

Sample File ID: EH10222A.TX0

Method Blank File ID:

Blank Spike File ID: EH10203.TX0

Matrix Spike File ID: EH10225.TX0

Matrix Spike Duplicate File ID: EH10226.TX0

* = Values Outside QC Range. « = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: 601 Table 2

(***) = Source: 601 Table 2

SAMPLES IN BATCH(SPL ID):

9808177-01B	9808177-02B	9808177-03B	9808177-04B
9808177-05B	9808177-06B	9808193-01B	9808193-03B
9808193-04B	9808193-05B	9808193-06B	9808329-01B
9808193-02B	9808109-01B	9807A62-01A	9808176-01B
9808176-02B	9808176-03B	9808176-04B	9808176-05B

** SPL BATCH QUALITY CONTROL REPORT **

Method 610 [40 CFR]

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Matrix: Water

Batch Id: PAH1980812234800

Units: µg/L

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
NAPHTHALENE	ND	100.0	79.9	79.9	0 - 122
1-METHYLNAPHTHALENE	ND	100.0	79.9	79.9	0 - 122
2-METHYLNAPHTHALENE	ND	100.0	83.7	83.7	0 - 122
ACENAPHTHYLENE	ND	100.0	79.2	79.2	0 - 139
ACENAPHTHENE	ND	100.0	79.6	79.6	0 - 124
FLUORENE	ND	100.0	78.0	78.0	1 - 142
PHENANTHRENE	ND	100.0	77.0	77.0	1 - 155
ANTHRACENE	ND	100.0	76.8	76.8	1 - 126
FLUORANTHENE	ND	100.0	80.0	80.0	14 - 123
PYRENE	ND	100.0	80.7	80.7	1 - 140
CHRYSENE	ND	100.0	81.4	81.4	4 - 199
BENZO (A) ANTHRACENE	ND	100.0	79.5	79.5	12 - 135
BENZO (B) FLUORANTHENE	ND	100.0	73.5	73.5	6 - 150
BENZO (K) FLUORANTHENE	ND	100.0	84.5	84.5	4 - 159
BENZO (A) PYRENE	ND	100.0	78.3	78.3	6 - 128
DIBENZO (A,H) ANTHRACENE	ND	100.0	51.4	51.4	4 - 130
BENZO (G,H,I) PERYLENE	ND	100.0	74.3	74.3	4 - 130
INDENO (1,2,3-CD) PYRENE	ND	100.0	76.4	76.4	4 - 130

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
NAPHTHALENE	ND	100.0	77.2	77.2	82.7	82.7	6.88	40	0 - 122
1-METHYLNAPHTHALENE	ND	100.0	77.2	77.2	76.6	76.6	0.780	30	0 - 122
2-METHYLNAPHTHALENE	ND	100.0	80.9	80.9	86.1	86.1	6.23	30	0 - 122
ACENAPHTHYLENE	ND	100.0	76.5	76.5	80.9	80.9	5.59	45	0 - 139
ACENAPHTHENE	ND	100.0	77.0	77.0	81.6	81.6	5.80	40	0 - 124
FLUORENE	ND	100.0	75.5	75.5	79.7	79.7	5.41	43	1 - 142
PHENANTHRENE	ND	100.0	75.2	75.2	78.6	78.6	4.42	37	1 - 155
ANTHRACENE	ND	100.0	73.4	73.4	77.7	77.7	5.69	28	1 - 126
FLUORANTHENE	ND	100.0	76.7	76.7	80.4	80.4	4.71	30	14 - 123
PYRENE	ND	100.0	77.7	77.7	81.5	81.5	4.77	34	1 - 140
CHRYSENE	ND	100.0	78.9	78.9	82.6	82.6	4.58	42	2 - 199
BENZO (A) ANTHRACENE	ND	100.0	76.7	76.7	80.3	80.3	4.59	40	12 - 135
BENZO (B) FLUORANTHENE	ND	100.0	72.2	72.2	75.0	75.0	3.80	31	6 - 150
BENZO (K) FLUORANTHENE	ND	100.0	80.2	80.2	84.3	84.3	4.98	50	4 - 159
BENZO (A) PYRENE	ND	100.0	75.6	75.6	78.9	78.9	4.27	40	6 - 128
DIBENZO (A,H) ANTHRACENE	ND	100.0	48.7	48.7	50.9	50.9	4.42	20	4 - 130

** SPL BATCH QUALITY CONTROL REPORT **

Method 610 [40 CFR]

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA 70583-8544
PHONE (318) 237-4775
FAX (318) 237-8005

Matrix: Water

Units: µg/L

Batch Id: PAH1980812234800

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZO (G,H,I) PERYLENE	ND	100.0	72.1	72.1	75.6	75.6	4.74	23	4 - 130
INDENO (1,2,3-CD) PYRENE	ND	100.0	74.2	74.2	78.0	78.0	4.99	30	4 - 130

Analyst: MB

Sequence Date: 08/12/98

SPL ID of sample spiked: N222W1PBLK

Sample File ID: \AH12310.ra

Method Blank File ID:

Blank Spike File ID: \AH12311.ra

Matrix Spike File ID: \AH12334.ra

Matrix Spike Duplicate File ID: \AH12335.ra

* = Values Outside QC Range. « = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: 610 Table 3

(***) = Source: 610 Table 3

SAMPLES IN BATCH(SPL ID): 9808177-01C 9808177-02C 9808177-03C 9808177-04C 9808177-05C 9808177-06C

SPL/LE/SM-F1.06

SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (318) 237-4775

Sample Receipt Checklist

9808177

Client: SWME	COC Serial #:			
Project #:	Project Loc: Charlotte NC	Yes	No	NA
Are Custody seals on the shipping container present and intact?		✓		
Chain-of-Custody (COC) present and signed by the sampler?		✓		
Traffic reports, airbills, or bills of lading present?		✓		
Are sample containers intact?		✓		
Are sample tags/field labels present on each sample?		✓		
Are all samples present in the sample kit listed on the COC?		✓		
Do date/time of sample collection agree with COC?		✓		
Do sample tags/field tags agree with COC?		✓		
Does sample type agree with COC?		✓		
Does the number of bottles recieved for each parameter agree with COC?		✓		
Does the bottle type and volume agree with COC?		✓		
Are the analyses requested listed on the COC?		✓		
Is the sample kit temperature 2 - 6 degrees C?		✓		
Record the temperature in degrees C in the NA column.		✓		4°C
Is the pH of all preserved samples checked and documented properly?		✓		
Are all samples preserved according to EPA guidelines?		✓		
Are all samples within the EPA maximum holding times?		✓		
Do sample containers conform to EPA guidelines?		✓		
Did the receiving technician record the date/time of receipt and sign the COC?		✓		
Was a nonconformance filled out for any items with a NO response?			✓	

Method of sample delivery to SPL and airbill number where applicable (circle one)?

Fed-X UPS Other: 801345570 26

Method of sample disposal:(circle one) SPL Disposal HOLD Return to Client

Receiving Technician signature: [signature] Date/Time: 3/5 1045

USA Airbill

FedEx Tracking Number 806134557026

Form I.D. No. 0210

SNA21

Recipient's Copy

1/98

GARY SIMCOX Phone (336) 288-7180

Company S&ME, INC

Address 3718 OLD BATTLEGROUND RD

Dept./Floor/Suite/Room

City GREENSBORO State NC ZIP 27410

2 Your Internal Billing Reference Information GMRO # 259

3 To

Recipient's Name Phone ( )

Company SOUTHERN PETROLEUM LAB

Address 500 AMBASSADOR CAFFERY PKWY

(To "HOLD" at FedEx location, print FedEx address here)

☐ Check here if residence (Extra charge applies for FedEx Express Saver)

Dept./Floor/Suite/Room

City SCOTT State LA ZIP 70583

For HOLD at FedEx Location check here

☑ Hold Weekday (Not available with FedEx First Overnight)

☐ Hold Saturday (Not available at all locations) (Available for FedEx Priority Overnight and FedEx 2Day only)

For WEEKEND Delivery check here (Extra Charge. Not available at all locations)

☐ Saturday Delivery (Available for FedEx Priority Overnight and FedEx 2Day only)

☐ NEW Sunday Delivery (Available for FedEx Priority Overnight only)

806134557026

4a Express Package Service *Packages under 150 lbs.* Delivery commitment may be later in some areas.

☐ FedEx Priority Overnight (Next business morning)

☒ FedEx Standard Overnight (Next business afternoon)

☐ FedEx First Overnight (Earliest next business morning delivery to select locations) (Higher rates apply)

☐ FedEx 2Day (Second business day)

☐ FedEx Express Saver (Third business day)

FedEx Letter Rate not available. Minimum charge: One pound rate.

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

☐ FedEx Overnight Freight (Next business day)

☐ FedEx 2Day Freight (Second business day)

☐ FedEx Express Saver Freight (Up to 3 business days)

(Call for delivery schedule. See back for detailed descriptions of freight services.)

5 Packaging

☐ FedEx Letter ☐ FedEx Pak (Declared value limit $500.) ☐ FedEx Box ☐ FedEx Tube ☒ Other Pkg.

6 Special Handling

Does this shipment contain dangerous goods?* (One box must be checked)

☐ No ☐ Yes (As per attached Shipper's Declaration) ☐ Yes (Shipper's Declaration not required)

☐ Dry Ice Dry Ice, 9, UN 1845 _____ x _____ kg.

☐ Cargo Aircraft Only

*Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment

Bill to: ☐ Sender (Account No. in Section 1 will be billed) ☑ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

☐ Obtain Recipient FedEx Account No.

(Enter FedEx Account No. or Credit Card No. below)

Total Packages	Total Weight	Total Declared Value*	Total Charges
1	44	$ .00	$

* When declaring a value higher than $100 per shipment, you pay an additional charge. See SERVICE CONDITIONS, DECLARED VALUE, AND LIMIT OF LIABILITY section for further information.

Credit Card Auth.

8 Release Signature

Your signature authorizes Federal Express to deliver this shipment without obtaining a signature and agrees to indemnify and hold harmless Federal Express from any resulting claims.

Questions?

Call 1·800·Go·FedEx® (800)463-3339

321

WCSL 0398
Rev. Date 12/97
Part #153023
©1994-97 FedEx
PRINTED IN U.S.A.

005635465 2

98U8177

SPL Laboratories, Inc.

UNOCAL 76

☐ 1511 East Orangethorpe Ave. Fullerton, CA 92631 (714) 447-6868 Fax:(714) 447-6800

☐ 8880 Interchange Drive Houston, Texas 77054 (713) 660-0901 Fax: (713) 660-8975

☐ 500 Ambassador Caffery Pkwy. Scott, Louisiana 70583 (318) 237-4775 Fax: (318) 237-7080

Chain of Custody Record

Company Name: S & ME	Project Name: UNOCAL MEBANE 9787-214
Address: 9751 S. PINE BLVD.	UNOCAL Project Manager: Paul Lindquist
City: CHARLOTTE State: NC Zip Code: 28273	AFE#: 335927785
Telephone: FAX:	Site #: M
Report To: STEWART HINGS Sampler: GARY SIMCOX	QC Data: ☑ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: (Calendar Days) ☐ 10 Days (Standard) ☐ 5 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day ☐ 2-8 Hours

CODE: ☐ Misc. ☐ Detecl. ☐ Eval. ☐ Remed. ☐ Demol. ☐ Closure

☐ Drinking Water ☐ Waste Water ☐ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	601	602 + MTBE + IPE	610							Comments
MW-8	8/3/98	W	6	GLASS		X	X	X							601W
MW-7	8/3/98	W	6	GLASS		X	X	X							B602mI
MW-4	8/3/98	W	6	GLASS		X	X	X							610
MW-3	8/3/98	W	6	GLASS		X	X	X							PRPB10
DMW-5	8/3/98	W	6	GLASS		X	X	X							8/19
WILLIAMS	8/3/98	W	6	GLASS		X	X	X							

Relinquished By: [signature]	Date: 8/4/98	Time: 5:15PM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [signature]	Date: 8/5/98	Time: 10:45

Were Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment _____ Page ____ of ____

To be completed upon receipt of report:

1) Were the analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed? _____

2) Was the report issued within the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time? _____

Approved by: _____ Signature: _____ Company: _____ Date: _____

PINK - Client

YELLOW - Laboratory

WHITE