May 5, 1993

Unocal Corporation
13 Corporate Square N.E.
P.O. Box 4147
Atlanta, Georgia 30329

Attention: Mr. Wayne Holt

Reference: Results of Laboratory Analyses-Offsite Monitoring Well
Former Unocal Station 9787-214
1342 Trollingwood Road
Mebane, North Carolina 27302
S&ME Job No. 1584-92-080

Dear Mr. Holt:

S&ME, Inc. is pleased to present the laboratory analytical results of the offsite temporary monitoring well sampling. This letter presents the results of the laboratory analyses. Attached are the laboratory reports.

On April 14, 1993, S&ME personnel installed and sampled one temporary Type II groundwater monitoring well on tthe adjacent property to the west (MW-8). Organic vapor monitoring during the drilling activities did not detect organic vapors in selected soil samples. The soil sample collected at a depth of 10 feet below the ground surface contained 13 parts per million (ppm) diesel range organics. The groundwater sample collected from the monitoring well contained 14 ppm methyl tert butyl ether (MTBE). No other target analytes were detected.

The installation and sampling of this monitoring well concludes the assessment phase of this project. A remedial action plan will be forthcoming.

S&ME appreciates the opportunity to provide environmental services to the Unocal Corporation on this project and looks forward to working with Unocal on future projects. If you have any questions or if we can be of further service please do not hesitate to contact us.

Sincerely,
S&ME, Inc.

Joseph P. Best

Attachment:

cc: Waddell Walters - NCDEHNR, WSRO

Enseco
A Corning Company

Volatile Organics
Halogenated Compounds
Method 8010

Client Name: S&ME
Client ID: MW-8
Lab ID: 013948-0001-SA
Matrix: SOIL
Authorized: 16 APR 93

Sampled: 14 APR 93
Prepared: 19 APR 93

Received: 16 APR 93
Analyzed: 19 APR 93

Parameter	Result	Dry Weight Units	Reporting Limit
Chloromethane	ND	ug/kg	1200
Bromomethane	ND	ug/kg	1200
Vinyl chloride	ND	ug/kg	250
Chloroethane	ND	ug/kg	1200
Methylene chloride	ND	ug/kg	1200
1,1-Dichloroethene	ND	ug/kg	120
1,1-Dichloroethane	ND	ug/kg	120
1,2-Dichloroethene (total)	ND	ug/kg	120
Chloroform	ND	ug/kg	120
1,2-Dichloroethane	ND	ug/kg	120
1,1,1-Trichloroethane	ND	ug/kg	250
Carbon tetrachloride	ND	ug/kg	120
Bromodichloromethane	ND	ug/kg	250
1,2-Dichloropropane	ND	ug/kg	250
trans-1,3-Dichloropropene	ND	ug/kg	250
Trichloroethene	ND	ug/kg	120
Dibromochloromethane	ND	ug/kg	250
cis-1,3-Dichloropropene	ND	ug/kg	250
1,1,2-Trichloroethane	ND	ug/kg	250
Bromoform	ND	ug/kg	1200
1,1,2,2-Tetrachloroethane	ND	ug/kg	250
Tetrachloroethene	ND	ug/kg	120
Chlorobenzene	ND	ug/kg	1200
Surrogate	**Recovery**		
Bromochloromethane	130	%	--

Percent Moisture is 50%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Linda Sulkowski

Approved By: Joyce Lombardo

Enseco
A Corning Company

Volatile Organics
Halogenated Compounds
Method 8010

Client Name: S&ME
Client ID: MW-8
Lab ID: 013948-0002-SA
Matrix: AQUEOUS
Authorized: 16 APR 93

Sampled: 14 APR 93
Prepared: NA

Received: 16 APR 93
Analyzed: 16 APR 93

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	ug/L	5.0
Bromomethane	ND	ug/L	5.0
Vinyl chloride	ND	ug/L	1.0
Chloroethane	ND	ug/L	5.0
Methylene chloride	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	0.50
1,1-Dichloroethane	ND	ug/L	0.50
1,2-Dichloroethene (total)	ND	ug/L	0.50
Chloroform	ND	ug/L	0.50
1,2-Dichloroethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	0.50
Carbon tetrachloride	ND	ug/L	0.50
Bromodichloromethane	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
trans-1,3-Dichloropropene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	0.50
Dibromochloromethane	ND	ug/L	1.0
cis-1,3-Dichloropropene	ND	ug/L	1.0
1,1,2-Trichloroethane	ND	ug/L	1.0
Bromoform	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
Tetrachloroethene	ND	ug/L	0.50
Chlorobenzene	ND	ug/L	5.0

Surrogate	Recovery		
Bromochloromethane	129	%	--

ND = Not detected
NA = Not applicable

Reported By: Linda Sulkowski

Approved By: Joyce Lombardo

Enseco
A Corning Company

Volatile Organics
Aromatic Compounds
Method 8020

Client Name: S&ME
Client ID: MW-8
Lab ID: 013948-0001-SA
Matrix: SOIL
Authorized: 16 APR 93

Sampled: 14 APR 93
Prepared: NA

Received: 16 APR 93
Analyzed: 28 APR 93

Parameter	Result	Dry Weight Units	Reporting Limit
Methyl tert-butyl ether	ND	ug/kg	9.9
Isopropyl ether	ND	ug/kg	9.9
Benzene	ND	ug/kg	0.99
Toluene	ND	ug/kg	0.99
Ethylbenzene	ND	ug/kg	0.99
Chlorobenzene	ND	ug/kg	0.99
Xylenes (total)	ND	ug/kg	0.99
1,4-Dichlorobenzene	ND	ug/kg	0.99
1,3-Dichlorobenzene	ND	ug/kg	0.99
1,2-Dichlorobenzene	ND	ug/kg	0.99
Surrogate	**Recovery**		
a,a,a-Trifluorotoluene	87	%	--

Percent Moisture is 50%. All results and limits are reported on a dry weight basis.

ND - Not detected
NA - Not applicable

Reported By: Peter Colonero

Approved By: Joyce Lombardo

Enseco
A Corning Company

Volatile Organics
Aromatic Compounds
Method 8020

Client Name: S&ME
Client ID: MW-8
Lab ID: 013948-0002-SA
Matrix: AQUEOUS
Authorized: 16 APR 93

Sampled: 14 APR 93
Prepared: NA

Received: 16 APR 93
Analyzed: 27 APR 93

Parameter	Result	Units	Reporting Limit
Methyl tert-butyl ether	14	ug/L	5.0
Isopropyl ether	ND	ug/L	5.0
Benzene	ND	ug/L	0.50
Toluene	ND	ug/L	0.50
Ethylbenzene	ND	ug/L	0.50
Chlorobenzene	ND	ug/L	0.50
Xylenes (total)	ND	ug/L	0.50
1,4-Dichlorobenzene	ND	ug/L	0.50
1,3-Dichlorobenzene	ND	ug/L	0.50
1,2-Dichlorobenzene	ND	ug/L	0.50
Surrogate	**Recovery**		
a,a,a-Trifluorotoluene	102	%	--

ND = Not detected
NA = Not applicable

Reported By: Joyce Lombardo

Approved By: Peter Colonero

Enseco
A Corning Company

Gasoline Range Organics (GRO)

Method Enseco GRO (Modified 5030/8015)

Client Name: SAME
Client ID: MW-8
Lab ID: 013948-0001-SA
Matrix: SOIL
Authorized: 16 APR 93

Sampled: 14 APR 93
Prepared: 22 APR 93

Received: 16 APR 93
Analyzed: 22 APR 93

Parameter	Result	Dry Weight Units	Reporting Limit
Gasoline Range Organics	ND	ug/kg	12000
Surrogate	Recovery		
a,a,a-Trifluorotoluene	80	%	--

Percent Moisture is 50%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Joanne Sprague

Approved By: Joyce Lombardo

Enseco
A Corning Company

Diesel Range Organics (DRO)

Method Enseco DRO (Modified 3550/8015)

Client Name: S&ME
Client ID: MW-8
Lab ID: 013948-0001-SA
Matrix: SOIL
Authorized: 16 APR 93

Sampled: 14 APR 93
Prepared: 21 APR 93

Received: 16 APR 93
Analyzed: 21 APR 93

Parameter	Result	Dry Weight Units	Reporting Limit
Diesel Range Organics	13	mg/kg	6.6
Surrogate	Recovery		
o-Terphenyl	95	%	--

Percent Moisture is 50%. All results and limits are reported on a dry weight basis.

ND - Not detected
NA - Not applicable

Reported By: Fred Morrison

Approved By: Andrew Yaroshefski

Enseco
A Corning Company

Semivolatile Organics
Target Compound List (TCL)
Method 625

Client Name: S&ME
Client ID: MW-8
Lab ID: 013948-0002-SA
Matrix: AQUEOUS
Authorized: 16 APR 93

Sampled: 14 APR 93
Prepared: 20 APR 93

Received: 16 APR 93
Analyzed: 23 APR 93

Parameter	Result	Units	Reporting Limit
2,6-Dinitrotoluene	ND	ug/L	10
Diethyl phthalate	ND	ug/L	10
4-Chlorophenyl phenyl ether	ND	ug/L	10
Fluorene	ND	ug/L	10
4-Nitroaniline	ND	ug/L	50
4,6-Dinitro-2-methylphenol	ND	ug/L	50
N-Nitrosodiphenylamine	ND	ug/L	10
4-Bromophenyl phenyl ether	ND	ug/L	10
Hexachlorobenzene	ND	ug/L	10
Pentachlorophenol	ND	ug/L	50
Phenanthrene	ND	ug/L	10
Anthracene	ND	ug/L	10
Di-n-butyl phthalate	ND	ug/L	10
Fluoranthene	ND	ug/L	10
Pyrene	ND	ug/L	10
Butyl benzyl phthalate	ND	ug/L	10
3,3'-Dichlorobenzidine	ND	ug/L	20
Benzo(a)anthracene	ND	ug/L	10
bis(2-Ethylhexyl) phthalate	ND	ug/L	10
Chrysene	ND	ug/L	10
Di-n-octyl phthalate	ND	ug/L	10
Benzo(b)fluoranthene	ND	ug/L	10
Benzo(k)fluoranthene	ND	ug/L	10
Benzo(a)pyrene	ND	ug/L	10
Indeno(1,2,3-cd)pyrene	ND	ug/L	10
Dibenz(a,h)anthracene	ND	ug/L	10
Benzo(g,h,i)perylene	ND	ug/L	10

Surrogate	Recovery			
Nitrobenzene-d5	45	%	--	
2-Fluorobiphenyl	48	%	--	
Terphenyl-d14	28	%	--	&
Phenol-d5	32	%	--	
2-Fluorophenol	34	%	--	
2,4,6-Tribromophenol	30	%	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Elizabeth Ellis

Approved By: Mark Porta

Enseco
A Corning Company

Semivolatile Organics
Target Compound List (TCL)
Method 625

Client Name: S&ME
Client ID: MW-8
Lab ID: 013948-0002-SA
Matrix: AQUEOUS
Authorized: 16 APR 93

Sampled: 14 APR 93
Prepared: 20 APR 93

Received: 16 APR 93
Analyzed: 23 APR 93

Parameter	Result	Units	Reporting Limit
Phenol	ND	ug/L	10
bis(2-Chloroethyl) ether	ND	ug/L	10
2-Chlorophenol	ND	ug/L	10
1,3-Dichlorobenzene	ND	ug/L	10
1,4-Dichlorobenzene	ND	ug/L	10
Benzyl alcohol	ND	ug/L	10
1,2-Dichlorobenzene	ND	ug/L	10
2-Methylphenol	ND	ug/L	10
bis(2-Chloroisopropyl) ether	ND	ug/L	10
4-Methylphenol	ND	ug/L	10
N-Nitroso-di-n-propylamine	ND	ug/L	10
Hexachloroethane	ND	ug/L	10
Nitrobenzene	ND	ug/L	10
Isophorone	ND	ug/L	10
2-Nitrophenol	ND	ug/L	10
2,4-Dimethylphenol	ND	ug/L	10
Benzoic acid	ND	ug/L	50
bis(2-Chloroethoxy)-methane	ND	ug/L	10
2,4-Dichlorophenol	ND	ug/L	10
1,2,4-Trichlorobenzene	ND	ug/L	10
Naphthalene	ND	ug/L	10
4-Chloroaniline	ND	ug/L	10
Hexachlorobutadiene	ND	ug/L	10
4-Chloro-3-methylphenol	ND	ug/L	10
2-Methylnaphthalene	ND	ug/L	10
Hexachlorocyclopentadiene	ND	ug/L	10
2,4,6-Trichlorophenol	ND	ug/L	10
2,4,5-Trichlorophenol	ND	ug/L	50
2-Chloronaphthalene	ND	ug/L	10
2-Nitroaniline	ND	ug/L	50
Dimethyl phthalate	ND	ug/L	10
Acenaphthylene	ND	ug/L	10
3-Nitroaniline	ND	ug/L	50
Acenaphthene	ND	ug/L	10
2,4-Dinitrophenol	ND	ug/L	50
4-Nitrophenol	ND	ug/L	50
Dibenzofuran	ND	ug/L	10
2,4-Dinitrotoluene	ND	ug/L	10

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Elizabeth Ellis

Approved By: Mark Porta

PO# 2009
9RCO# 13948 P.50C

UNDERGROUND STORAGE TANK PROGRAM
ANALYTICAL REQUEST FORM/CHAIN OF CUSTODY

STATION NO: LOCATION (TOWN)	PROJECT ENGINEER: (BILL TO)	CONSULTANTS PROJECT NO.	SEND RESULTS TO:
Rod Hoss/Grand	Bert	15[illegible]-96-OSD	S&ME

SAMPLE NUMBER	DATE	TIME	SAMPLE I.D.	MATRIX (A OR S)	# OF CONTAINERS	BTEX 602	BTEX & MTBE	TPH (IR) 418.1	601	624	TPH 5030 + 8020							SPECIAL INSTRUCTIONS(*)
[illegible]	[illegible]	11:00	MW-5	S	2	✓			/		/							
	[illegible]	13:00	MW 8.	A	7	/			/	/								
			Trip Blank "602 Trip"			✓												added at lab upon receipt MR 4/16/93

SAMPLERS NAME: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
[signature]	[signature]	4/15/93	08:30	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	COURIER: Federal Express
				AIRBILL NO:

RECEIVED FOR LABORATORY BY: (SIGN.)	PRINT NAME:	DATE	TIME	CUSTODY SEAL NO.:
[signature]	DAN WIELANDT	4/16/93	930	COOLER NO.: ICE BOX

FAX TRANSMITTAL COVER SHEET

URGENT TRANSMISSION
Please Forward Immediately

S&ME
ENVIRONMENTAL SERVICES
ENGINEERING • TESTING

S&ME, Inc.
9751 Southern Pine Blvd.(28273)
P.O. Box 7668
Charlotte, North Carolina 28241-766
(704) 523-4726
Fax: (704) 525-3953

TO: Waddell Walters

FIRM: NCDENR

LOCATION: Winston Salem

FROM: Stewart Hines
CHARLOTTE, NORTH CAROLINA

DATE: 6/28/96 TIME: 8:00 am pm

RETURN FAX NUMBER: (704) 525-3953

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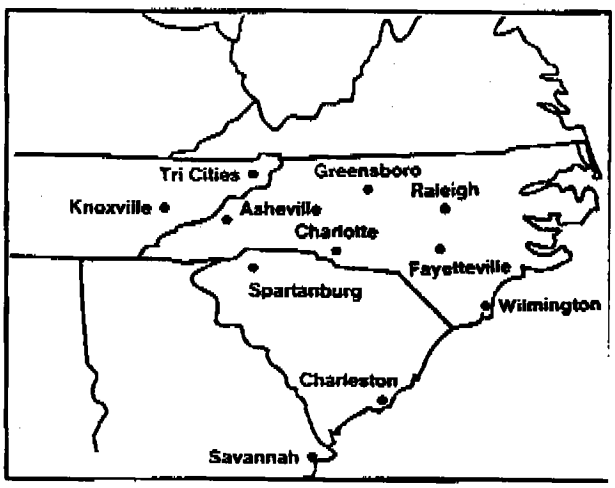

RE: Hart-McGuire, NC
#9787-214

COMMENTS: Please add to Overnight package I send you yesterday for site. Please review all data (This & overnight letter) & call if questions or need anything else.

Sincerely,

Stewart Hines
S&ME

S&ME Project Number: _____

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S&ME SFG-001