

AP - 001

**STAGE 1 & 2
WORKPLANS**

DATE:

MAY 6, 1994

May 6, 1994

REX70.LTR

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MAY 09 1994

OIL CONSERVATION
SANTA FE

Mr. Bill Olson
Oil Conservation Division
Land Office Building
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

RE: COPIES OF THE PROPOSED REMEDIAL INVESTIGATION WORK PLAN
AND QUALITY ASSURANCE PROJECT PLAN PREPARED FOR THE
BRICKLAND REFINERY SITE

Dear Mr. Olson:

As promised, I am submitting copies of the proposed Remedial Investigation Work Plan and Quality Assurance Project Plan prepared for the Brickland Refinery site. The work plan was developed in response to the findings of the brief field investigation conducted in December 1993 in an attempt to define the lateral extent of potential free-phase product with subsequent installation of a product recovery system.

As I indicated in our March 17, 1994 progress report, the December 1993 investigation resulted in two major findings. One, free-phase product is not as extensive as originally projected, and two, aquifer conditions are quite different from those described in previous reports and at this time preclude the installation of the recovery system originally proposed. The proposed Remedial Investigation Work Plan was designed to supplement the existing data and determine the location and extent of any free-phase product. It also describes the methods that will be used to evaluate physical and chemical soil properties in order to evaluate potential remedial alternatives. We anticipate that the field investigation will be conducted in June 1994 and will coincide with the second quarter groundwater sampling event.

Also enclosed you will find copies of the analytical results from the groundwater samples collected in March 1994. I have included the data sheets and the chain-of-custody forms which identify the specific wells. The QA/QC data is available if you would like to have it. It will take a little time to reproduce since its about 8 inches thick. For your convenience, I have also prepared a three page summary sheet which will give you a quick snapshot of what was found in the existing wells. I have only entered data when compounds were detected at or above the reporting limit.

Mr. Bill Olson
May 6, 1994
Page 2

I will be forwarding copies of this entire package to NMED under a separate cover letter. Once you have had time to review the submissions I will contact you to see if you have any comments and find out if you would like to split samples again during the June 1994 groundwater sampling event.

Very truly yours,
Geoscience Consultants, Ltd. (GCL)



Trent H. Thomas
Program Manager

54159/REX70.LTR

Enclosure

cc (w/o encl.): Todd Carver, Rexene Corporation
 Rob Sutphen, Rexene Corporation
 Roger Martin, Rexene, Odessa
 Edmund Kendrick, Montgomery & Andrews

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BRICKLAND REFINERY SITE
QUARTERLY GROUNDWATER MONITORING SUMMARY
1ST. QUARTER (MARCH 1994)

(All results in mg/l)

* Not detected in duplicate sample

MAY 09 1994

OIL CONSERVATION DIV.
SANTA FE

PARAMETER	MW-1	MW-2	MW-3S	MW-3D	MW-4	MW-5	MW-6S	MW-6D	MW-7	MW-8	MW-9S	MW-11	MW-12
Metals					Avg. Values								
Antimony					0.1 *								
Arsenic					0.08 *		0.27		0.08	0.22		0.1	0.08
Barium	0.11	0.01	0.08	0.04	0.05	0.31	1.07	0.02	0.22	0.52	0.04	1.0	0.03
Beryllium													
Cadmium													
Chromium		0.01											
Cobalt													
Copper													
Lead													
Mercury											0.0002		
Molybdenum													
Nickel								0.04					
Selenium						0.1				0.2			0.2
Silver													
Thallium			0.2				0.1	0.1		0.1	0.1		
Vanadium													
Zinc					0.015				0.01	0.01			0.02
Cations/Anions													
Calcium	109	1130	143	473	748	402	244	510	300	46.5	305	79	1380
Magnesium	27.2	401	70.6	246	254	180	104	218	72.3	33.9	104	62.3	495
Potassium	14	72	13.3	36	63	24.2	19.4	25	22.1	10.2	13.7	18.3	55
Sodium	175	3750	1390	3830	2925	2880	1550	3520	1620	1560	1450	1050	4340
Bicarbonate	456	728	624	468	916	1860	1690	475	1320	2680	628	1620	532
Chloride	133	5680	2030	4720	4170	5280	5280	5600	2220	1210	1280	959	8260
Nitrate (N)												0.2	
Sulfate	123	2280	720	2630	1960	505	505	2360	755	20	1800		1920

BRICKLAND REFINERY SITE
QUARTERLY GROUNDWATER MONITORING SUMMARY
1ST. QUARTER (MARCH 1994)

(All results in ug/l except TPH)

PARAMETER	MW-1	MW-2	MW-3S	MW-3D	MW-4	MW-5	MW-6S	MW-6D	MW-7	MW-8	MW-9S	MW-11	MW-12
<u>Phenols</u>					Avg. Values								
2,4,6-Trichlorophenol													
2,4-Dichlorophenol													
2,4-Dimethylphenol						16				96			
2,4-Dinitrophenol													
2-Chlorophenol													
2-Nitrophenol													
4,6-Dinitro-2-methylphenol													
4-Chloro-3-methylphenol													
4-Nitrophenol													
Pentachlorophenol													
Phenol													
<u>BTEX/TPH</u>													
Benzene					120	7100	74		31	9600		120	
Toluene		18	4.9			160						0.7	
Ethyl benzene		3.2			2.0	53	12		2.1			4.7	
Xylenes		49	18			420	7.6	1.6	0.6	720		4.4	
Total Vol. Petroleum Hydrocarbons (mg/l)		0.5				12	1.8					1.0	

(All results in ug/l)

[illegible]

Core Laboratories

CORE LABORATORIES
ANALYTICAL REPORT

Job Number: 940630
Prepared For:

HYGIENETICS/GCL

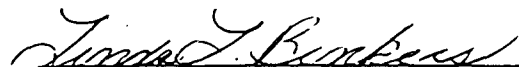
505 MARQUETTE NW STE 1100
ALBUQUERQUE, NM 87102

Date: 04/22/94

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MAY 09 1994

OIL CONSERVATION DIV.
SANTA FE


Signature

4-22-94
Date:

Name: Linda L. Benkers

Core Laboratories
10703 East Bethany Drive
Aurora, CO 80014

Title: QA/QC COORDINATOR

☐ Chicago
626 W. Jackson Blvd., Ste. 800
Chicago, IL 60606
(312) 648-9988
FAX: (312) 648-0818

7737

☐ San Francisco
2200 Powell Street, Ste. 880
Emeryville, CA 94608
(510) 547-3886
FAX: (510) 547-3631

Chain of Custody

Date 3/24/94 Page 1 Of 1

[illegible]

Core Laboratories

SAMPLE DELIVERY GROUP NARRATIVE

April 22, 1994

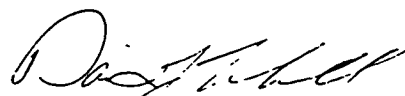
Customer: Geoscience Consultants, Ltd.
Project: Rexene COC #7737
Core Laboratories Project Number: 940630

The following information is pertinent to the interpretation of the data package.

Volatile Organic Analysis:

The method blank analyzed on 4-7-94 contained toluene and xylene at 0.9 and 1.2 ug/L respectively. Only the matrix spike / matrix spike duplicate (MS/MSD) was associated with this method blank. The MS/MSD passed all QC criteria.


Linda L. Benkers
QA/QC Coordinator


David J. Marshall
Project Coordinator



Core Laboratories

LABORATORY TESTS RESULTS 04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7737

DATE SAMPLED: 03/24/94

TIME SAMPLED: 08:00

WORK DESCRIPTION: 9403240800

LABORATORY I.D.: 940630-0001

DATE RECEIVED: 03/25/94

TIME RECEIVED: 10:30

REMARKS: MW-5

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	1860	5	mg/L	2320 B (3)	03/25/94	RJB
Chloride (Unfilt.)	5280	15	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/25/94	DME
Sulfate (Unfilt.)	505	100	mg/L	375.2 (1)	04/04/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.31	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	402	1.0	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/28/94	GEF
Magnesium, Diss. (Mg)	180	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	24.2	0.5	mg/L	7610 (2)	04/07/94	LMT
Selenium, Diss. (Se)	0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	2880	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

10703 East Bethany Drive
Aurora, CO 80014
(303) 751-1780

Core Laboratories
LABORATORY TESTS RESULTS
04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.....: REXENE COC #7737
DATE SAMPLED.....: 03/24/94
TIME SAMPLED.....: 08:00
WORK DESCRIPTION....: 9403240800

LABORATORY I.D....: 940630-0001
DATE RECEIVED.....: 03/25/94
TIME RECEIVED.....: 10:30
REMARKS.....: MW-5

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	ng/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	0.02	0.01	ng/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*50		8020 (2)	04/06/94	*AN
Benzene	7100	25	ug/L			
Toluene	160	25	ug/L			
Ethyl benzene	53	25	ug/L			
Xylenes	420	25	ug/L			
m-Chlorotoluene (surrogate)	88	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/08/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	79	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	28	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	16	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	51	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	75	0	% Recovery	43-116% Limit		

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(303) 751-1780



Core Laboratories

LABORATORY TESTS RESULTS
04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7737
DATE SAMPLED: 03/24/94
TIME SAMPLED: 08:00
WORK DESCRIPTION: 9403240800

LABORATORY I.D.: 940630-0001
DATE RECEIVED: 03/25/94
TIME RECEIVED: 10:30
REMARKS: MW-5

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	135	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	27	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	76	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	73	0	% Recovery	10-123% Limit		
Time Analyzed	1908	0				
Date Extracted	03/29/94	0				
Total Vol. Petroleum Hydrocarbon	12	5	mg/L Gasoline	8015 (Modified) (2)	04/06/94	*AN

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LABORATORY TESTS RESULTS 04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7737
DATE SAMPLED: 03/24/94
TIME SAMPLED: 09:25
WORK DESCRIPTION: 9403240925

LABORATORY I.D.: 940630-0002
DATE RECEIVED: 03/25/94
TIME RECEIVED: 10:30
REMARKS: MW-7

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	1320	5	mg/L	2320 B (3)	03/25/94	RJB
Chloride (Unfilt.)	2220	10	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/25/94	DME
Sulfate (Unfilt.)	755	100	mg/L	375.2 (1)	04/04/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	0.08	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.22	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	300	1.0	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/28/94	GEF
Magnesium, Diss. (Mg)	72.3	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	22.1	0.5	mg/L	7610 (2)	04/07/94	LMT
Selenium, Diss. (Se)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	1620	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

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LABORATORY TESTS RESULTS

04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7737

DATE SAMPLED: 03/24/94

TIME SAMPLED: 09:25

WORK DESCRIPTION: 9403240925

LABORATORY I.D.: 940630-0002

DATE RECEIVED: 03/25/94

TIME RECEIVED: 10:30

REMARKS: MW-7

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/06/94	*AN
Benzene	31	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	2.1	0.5	ug/L			
Xylenes	0.6	0.5	ug/L			
m-Chlorotoluene (surrogate)	115	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/06/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	64	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	48	0	% Recovery	43-116% Limit		

10703 East Bethany Drive
Aurora, CO 80014
(303) 751-1780

Core Laboratories
LABORATORY TESTS RESULTS
04/22/94
JOB NUMBER: 940630
CUSTOMER: HYGIENETICS/GCL
ATTN:
CLIENT I.D.: REXENE COC #7737
LABORATORY I.D.: 940630-0002
DATE SAMPLED: 03/24/94
DATE RECEIVED: 03/25/94
TIME SAMPLED: 09:25
TIME RECEIVED: 10:30
WORK DESCRIPTION: 9403240925
REMARKS: MW-7

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	115	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	20	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	37	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	57	0	% Recovery	10-123% Limit		
Time Analyzed	1915	0				
Date Extracted	03/29/94	0				
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/06/94	*AN

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LABORATORY TESTS RESULTS 04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7737

DATE SAMPLED: 03/24/94

TIME SAMPLED: 10:20

WORK DESCRIPTION: 9403241020

LABORATORY I.D.: 940630-0003

DATE RECEIVED: 03/25/94

TIME RECEIVED: 10:30

REMARKS: MW-8

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	2680	5	mg/L	2320 B (3)	03/25/94	RJB
Chloride (Unfilt.)	1210	5	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/25/94	DME
Sulfate (Unfilt.)	20	10	mg/L	375.2 (1)	04/04/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	0.22	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.52	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	46.5	0.5	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/28/94	GEF
Magnesium, Diss. (Mg)	33.9	0.1	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	10.2	0.5	mg/L	7610 (2)	04/07/94	LMT
Selenium, Diss. (Se)	0.2	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	1560	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

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Core Laboratories

LABORATORY TESTS RESULTS 04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.: REXENE COC #7737

DATE SAMPLED.: 03/24/94

TIME SAMPLED.: 10:20

WORK DESCRIPTION.: 9403241020

LABORATORY I.D.: 940630-0003

DATE RECEIVED.: 03/25/94

TIME RECEIVED.: 10:30

REMARKS.: MW-8

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*50		8020 (2)	04/06/94	*AN
Benzene	9600	25	ug/L			
Toluene	ND	25	ug/L			
Ethyl benzene	ND	25	ug/L			
Xylenes	720	25	ug/L			
m-Chlorotoluene (surrogate)	103	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/08/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	46	10	ug/L			
2-Methylnaphthalene	64	10	ug/L			
Naphthalene	140	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	96	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	85	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	101	0	% Recovery	43-116% Limit		

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Core Laboratories
LABORATORY TESTS RESULTS
04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.: REXENE COC #7737

DATE SAMPLED 03/24/94

TIME SAMPLED 10:20

WORK DESCRIPTION: 9403241020

LABORATORY I.D.: 940630-0003

DATE RECEIVED 03/25/94

TIME RECEIVED 10:30

REMARKS MW-8

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	110	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	11	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	29	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	113	0	% Recovery	10-123% Limit		
Time Analyzed	2113	0				
Date Extracted	03/29/94	0				
Total Vol. Petroleum Hydrocarbon	<5	5	mg/L Gasoline	8015 (Modified) (2)	04/06/94	*AN

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LABORATORY TESTS RESULTS
04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7737

DATE SAMPLED: 03/24/94

TIME SAMPLED: 10:25

WORK DESCRIPTION: 9403241025

LABORATORY I.D.: 940630-0004

DATE RECEIVED: 03/25/94

TIME RECEIVED: 10:30

REMARKS: TRIP BLANK

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/06/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	127	0	% Recovery	64-147% Limit		

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LABORATORY TESTS RESULTS 04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

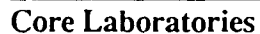
ATTN:

CLIENT I.D.....:
DATE SAMPLED.....: / /
TIME SAMPLED.....: :
WORK DESCRIPTION...: METHOD BLANK

LABORATORY I.D....: 940630-0005
DATE RECEIVED.....: / /
TIME RECEIVED.....: :
REMARKS.....:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/06/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	114	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/06/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	58	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	56	0	% Recovery	43-116% Limit		
4-Terphenyl-d14 (Surrogate)	101	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	23	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	37	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	62	0	% Recovery	10-123% Limit		

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JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.....:

DATE SAMPLED.....: / /

TIME SAMPLED.....: :

WORK DESCRIPTION...: METHOD BLANK

LABORATORY I.D...: 940630-0005

DATE RECEIVED.....: / /

TIME RECEIVED.....: :

REMARKS.....:

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LABORATORY TESTS RESULTS 04/22/94

JOB NUMBER: 940630

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.....:
DATE SAMPLED.....: / /
TIME SAMPLED.....: :
WORK DESCRIPTION....: METHOD BLANK

LABORATORY I.D....: 940630-0006
DATE RECEIVED.....: / /
TIME RECEIVED.....: :
REMARKS.....:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/07/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	0.9	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	1.2	0.5	ug/L			
m-Chlorotoluene (surrogate)	93	0	% Recovery	64-147% Limit		

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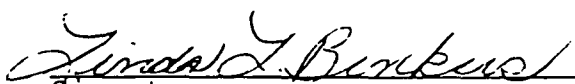
CORE LABORATORIES
ANALYTICAL REPORT

Job Number: 940648
Prepared For:

HYGIENETICS/GCL

505 MARQUETTE NW STE 1100
ALBUQUERQUE, NM 87102

Date: 04/21/94


Signature

4-21-94
Date:

Name: Linda L. Benkers

Core Laboratories
10703 East Bethany Drive
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Title: QA/QC COORDINATOR



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Lanham, MD 20706-4325
(301) 459-9677
FAX: (301) 459-3064

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New York, NY 10016
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FAX: (212) 983-8795

San Francisco
2200 Powell Street, Ste. 880
Emeryville, CA 94608
(510) 547-3886
FAX: (510) 547-3631

Chain of Custody

Date 3/25/94 Page 1 of 1

Lab Name <u>CORE LABORATORIES</u> Address <u>10703 East Bethany Drive</u> <u>Aurora, CO 80014-2696</u> Telephone <u>303/751-1780</u>			Analysis Request																							
Sample Number	Matrix	Location	Halogenated Volatiles 601/8010	Aromatic Volatiles 602/8020	Phenols, Sub Phenols 604/8040	Pesticides/PCB 608/8080	Polynuclear Aromatic Hydrocarbons 610/8310	Volatile Compounds GC/MS 624/8240	Base/Neu/Acid Compounds GC/MS 625/8270	Total Organic Carbon (TOC) 415/9080	Total Organic Halides (TOX) 9020	Petroleum Hydrocarbons 418.1	TPH/BTEX Modified 8015	TCLP: Vol., Semi-Vol. Herbicides, Pesticides	TCLP: Metals	RCRA Metals (8)	Priority Pollutant Metals (13)	CAM Metals (18) TCLP/STLC	Flash Point	Corrosivity	Reactivity	Oil & Grease	Cyanide Total/Amenable	Chemical Oxygen Demand (COD)	Major Cations & Anions	Number of Containers
9403251040	H ₂ O	MW-9S							1				1					1						1		6
9403251120	H ₂ O	MW-6S							1				1					1						1		6
9403251200	H ₂ O	MW-3S							1				1					1						1		6
9403251240	H ₂ O	MW-11							1				1					1						1		6
9403251245	H ₂ O	MW-11F											1													3
9403251250	H ₂ O	Trip Blank											1													1
Project Information			Sample Receipt		Relinquished By		1. Relinquished By		2. Relinquished By		3. Relinquished By															
Project <u>Revere</u>	Total No. of Containers <u>28</u>	Signature <u>[Signature]</u>	Chain of Custody Seals <u>Y</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>															
Project Director <u>Thomas</u>	Rec'd Good Condition/Cold <u>Y</u>	Signature <u>[Signature]</u>	Conforms to Record <u>Y</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>															
Charge Code No. <u>3031-096</u>	Lab No. <u>940648</u>	Signature <u>[Signature]</u>			Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>															
Shipping ID. No. <u>8609628941</u>		Signature <u>[Signature]</u>			Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>															
Via <u>Fed X</u>		Signature <u>[Signature]</u>			Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>															
Special Instructions/Comments:					Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature <u>[Signature]</u>															

Core Laboratories

SAMPLE DELIVERY GROUP NARRATIVE

April 22, 1994

Customer: Hygienetics / GCL
Project: Rexene COC #6890
Core Laboratories Project Number: 940648

On 3-26-94 Core Laboratories received six (6) liquid samples for analysis. The following information is pertinent to the interpretation of the data package.

Semivolatile Organic Analysis:

Sample MW-6S was initially analyzed with a low percent recovery for surrogate d6-Phenol. Reanalysis of the diluted extract produced acceptable results of 17% recovery with the EPA recommended limit at (10-94%) for d6-Phenol. Sample MW-11 was initially analyzed with low internal standard recoveries. Reanalysis of extract MW-11 produced acceptable data. The method blank analyzed on 4-7-94 contained xylene at 1.2 ug/L and toluene at 0.9 ug/L. Only the matrix spike / matrix spike duplicate (MS/MSD) was associated with this method blank. The MS/MSD passed all QC criteria.


Linda L. Benkers
QA/QC Coordinator


Douglas Georgic
Laboratory Supervisor

Core Laboratories

EXPLANATION OF DATA FLAGS

- B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the user should consider this when evaluating the results.
- D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
- E - This data flag indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
- J - Indicates that a value is an estimate. It is used when a compound is determined to be present based on the mass spectral data, but at a concentration less than the practical quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
- X - This flag refers the client to an included case narrative for additional information which may be useful in data evaluation.
- * - Used to indicate matrix interference.



Core Laboratories

LABORATORY TESTS RESULTS 04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #6890
DATE SAMPLED: 03/25/94
TIME SAMPLED: 10:40
WORK DESCRIPTION: 9403251040

LABORATORY I.D.: 940648-0001
DATE RECEIVED: 03/26/94
TIME RECEIVED: 10:00
REMARKS: MW-9S

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	628	5	mg/L	2320 B (3)	04/07/94	KDS
Chloride (Unfilt.)	1280	5	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/27/94	DME
Sulfate (Unfilt.)	1800	100	mg/L	375.2 (1)	04/04/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.04	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	305	1.0	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	0.0002	0.0002	mg/L	7470 (2)	03/30/94	LMT
Magnesium, Diss. (Mg)	104	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	13.7	0.5	mg/L	7610 (2)	04/07/94	LMT
Selenium, Diss. (Se)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	1450	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

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LABORATORY TESTS RESULTS
04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #6890

DATE SAMPLED: 03/25/94

TIME SAMPLED: 10:40

WORK DESCRIPTION: 9403251040

LABORATORY I.D.: 940648-0001

DATE RECEIVED: 03/26/94

TIME RECEIVED: 10:00

REMARKS: MW-9S

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/06/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	134	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/06/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	45	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	48	0	% Recovery	43-116% Limit		

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Core Laboratories

LABORATORY TESTS RESULTS 04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #6890

DATE SAMPLED: 03/25/94

TIME SAMPLED: 10:40

WORK DESCRIPTION: 9403251040

LABORATORY I.D.: 940648-0001

DATE RECEIVED: 03/26/94

TIME RECEIVED: 10:00

REMARKS: MW-9S

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	77	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	19	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	27	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	58	0	% Recovery	10-123% Limit		
Time Analyzed	1606	0				
Date Extracted	03/29/94	0				
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/06/94	*AN

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Core Laboratories
LABORATORY TESTS RESULTS
04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.....: REXENE COC #6890
DATE SAMPLED.....: 03/25/94
TIME SAMPLED.....: 11:20
WORK DESCRIPTION....: 9403251120

LABORATORY I.D....: 940648-0002
DATE RECEIVED.....: 03/26/94
TIME RECEIVED.....: 10:00
REMARKS.....: MW-6S

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	1690	5	mg/L	2320 B (3)	04/07/94	KDS
Chloride (Unfilt.)	1700	5	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/27/94	DME
Sulfate (Unfilt.)	78	10	mg/L	375.2 (1)	04/08/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	0.27	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	1.07	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	244	1.0	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/30/94	LMT
Magnesium, Diss. (Mg)	104	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	19.4	0.5	mg/L	7610 (2)	04/07/94	LMT
Selenium, Diss. (Se)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	1550	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

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LABORATORY TESTS RESULTS 04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.....: REXENE COC #6890

DATE SAMPLED.....: 03/25/94

TIME SAMPLED.....: 11:20

WORK DESCRIPTION....: 9403251120

LABORATORY I.D....: 940648-0002

DATE RECEIVED.....: 03/26/94

TIME RECEIVED.....: 10:00

REMARKS.....: MW-6S

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/06/94	*AN
Benzene	74	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	12	0.5	ug/L			
Xylenes	7.6	0.5	ug/L			
m-Chlorotoluene (surrogate)	118	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/06/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	47	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	53	0	% Recovery	43-116% Limit		

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LABORATORY TESTS RESULTS 04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #6890
DATE SAMPLED: 03/25/94
TIME SAMPLED: 11:20
WORK DESCRIPTION: 9403251120

LABORATORY I.D.: 940648-0002
DATE RECEIVED: 03/26/94
TIME RECEIVED: 10:00
REMARKS: MW-6S

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	108	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	3 *	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	36	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	69	0	% Recovery	10-123% Limit		
Time Analyzed	1709	0				
Date Extracted	03/29/94	0				
Semi-Volatile Organic - Surrogates		*5		8270(2)/625(6)	04/08/94	DMJ
Nitrobenzene-d5 (Surrogate)	42	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	66	0	% Recovery	43-116% Limit		
4-Terphenyl-d14 (Surrogate)	101	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	17	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	35	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	92	0	% Recovery	10-123% Limit		
Date Extracted	1456	0				
Time Analyzed	03/29/94	0				
Total Vol. Petroleum Hydrocarbon	1.8	0.1	mg/L Gasoline	8015 (Modified) (2)	04/06/94	*AN

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LABORATORY TESTS RESULTS 04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #6890
DATE SAMPLED: 03/25/94
TIME SAMPLED: 12:00
WORK DESCRIPTION: 9403251200

LABORATORY I.D.: 940648-0003
DATE RECEIVED: 03/26/94
TIME RECEIVED: 10:00
REMARKS: MW-3S

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	624	5	mg/L	2320 B (3)	04/07/94	KDS
Chloride (Unfilt.)	2030	5	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/27/94	DME
Sulfate (Unfilt.)	720	50	mg/L	375.2 (1)	04/04/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.08	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	143	1.0	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/30/94	LMT
Magnesium, Diss. (Mg)	70.6	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	13.3	0.5	mg/L	7610 (2)	04/07/94	LMT
Selenium, Diss. (Se)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	1390	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	0.2	0.1	mg/L	6010 (2)	03/29/94	WGL

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LABORATORY TESTS RESULTS
04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.....: REXENE COC #6890
DATE SAMPLED.....: 03/25/94
TIME SAMPLED.....: 12:00
WORK DESCRIPTION....: 9403251200

LABORATORY I.D....: 940648-0003
DATE RECEIVED.....: 03/26/94
TIME RECEIVED.....: 10:00
REMARKS.....: MW-3S

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/06/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	4.9	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	18	0.5	ug/L			
m-Chlorotoluene (surrogate)	176 *	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/06/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	61	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	60	0	% Recovery	43-116% Limit		

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LABORATORY TESTS RESULTS
04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #6890

DATE SAMPLED: 03/25/94

TIME SAMPLED: 12:00

WORK DESCRIPTION: 9403251200

LABORATORY I.D.: 940648-0003

DATE RECEIVED: 03/26/94

TIME RECEIVED: 10:00

REMARKS: MW-3S

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	98	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	24	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	37	0	% Recovery	21- Limit		
2,4,6-Tribromophenol (Surrogate)	74	0	% Recovery	10-23% Limit		
Time Analyzed	1812	0				
Date Extracted	03/29/94	0				
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/06/94	*AN

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LABORATORY TESTS RESULTS 04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #6890
DATE SAMPLED: 03/25/94
TIME SAMPLED: 12:40
WORK DESCRIPTION: 9403251240

LABORATORY I.D.: 940648-0004
DATE RECEIVED: 03/26/94
TIME RECEIVED: 10:00
REMARKS: MW-11

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	1620	5 mg.	8 (3)	04/07/94	KDS
Chloride (Unfilt.)	959	2.5 mg/L	(1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	0.2	0.1 mg/L (as N)	353.2 (1)	03/27/94	DME
Sulfate (Unfilt.)	<10	10 mg/L	375.2 (1)	04/08/94	DME
Antimony, Diss. (Sb)	<0.1	0.1 mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	0.10	0.05 mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	1.00	0.01 mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005 mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005 mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	79.0	1.0 mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01 mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03 mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01 mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05 mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002 mg/L	7470 (2)	03/30/94	LMT
Magnesium, Diss. (Mg)	62.3	0.5 mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05 mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04 mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	18.3	0.5 mg/L	7610 (2)	04/07/94	LMT
Selenium, Diss. (Se)	<0.1	0.1 mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01 mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	1050	5 mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	<0.1	0.1 mg/L	6010 (2)	03/29/94	WGL

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LABORATORY TESTS RESULTS 04/21/94

JOB NUMBER: 940648
CUSTOMER: HYGIENETICS/GCL
ATTN:
CLIENT I.D.....: REXENE COC #6890
DATE SAMPLED.....: 03/25/94
TIME SAMPLED.....: 12:40
WORK DESCRIPTION...: 9403251240
LABORATORY I.D....: 940648-0004
DATE RECEIVED....: 03/26/94
TIME RECEIVED....: 10:00
REMARKS.....: MW-11

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/06/94	*AN
Benzene	120	0.5	ug/L			
Toluene	0.7	0.5	ug/L			
Ethyl benzene	4.7	0.5	ug/L			
Xylenes	4.4	0.5	ug/L			
m-Chlorotoluene (surrogate)	122	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/06/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	29	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	74	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	71	0	% Recovery	43-116% Limit		

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LABORATORY TESTS RESULTS
04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #6890

DATE SAMPLED: 03/25/94

TIME SAMPLED: 12:40

WORK DESCRIPTION: 9403251240

LABORATORY I.D.: 940648-0004

DATE RECEIVED: 03/26/94

TIME RECEIVED: 10:00

REMARKS: MW-11

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	129	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	29	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	37	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	65	0	% Recovery	10-123% Limit		
Time Analyzed	2347	0				
Date Extracted	03/29/94	0				
Semi-Volatile Organic - Surrogates		*1		8270(2)/625(6)	04/08/94	DMJ
Nitrobenzene-d5 (Surrogate)	74	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	72	0	% Recovery	43-116% Limit		
4-Terphenyl-d14 (Surrogate)	128	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	28	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	40	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	64	0	% Recovery	10-123% Limit		
Date Extracted	1559	0				
Time Analyzed	03/29/94	0				
Total Vol. Petroleum Hydrocarbon	1.0	0.1	mg/L Gasoline	8015 (Modified) (2)	04/06/94	*AN

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LABORATORY TESTS RESULTS
04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #6890

DATE SAMPLED: 03/25/94

TIME SAMPLED: 12:45

WORK DESCRIPTION: 9403251245

LABORATORY I.D.: 940648-0005

DATE RECEIVED: 03/26/94

TIME RECEIVED: 10:00

REMARKS: MW-11F

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/06/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	136	0	% Recovery	64-147% Limit		
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/06/94	*AN

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LABORATORY TESTS RESULTS
04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #6890
DATE SAMPLED: 03/25/94
TIME SAMPLED: 12:50
WORK DESCRIPTION: 9403251250

LABORATORY I.D.: 940648-0006
DATE RECEIVED: 03/26/94
TIME RECEIVED: 10:00
REMARKS: TRIP BLANK

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/06/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	135	0	% Recovery	64-147% Limit		
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/06/94	*AN

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LABORATORY TESTS RESULTS
04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.....:
DATE SAMPLED.....: / /
TIME SAMPLED.....: :
WORK DESCRIPTION....: METHOD BLANK

LABORATORY I.D....: 940648-0007
DATE RECEIVED.....: / /
TIME RECEIVED.....: :
REMARKS.....:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/06/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	114	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/06/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	58	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	56	0	% Recovery	43-116% Limit		
4-Terphenyl-d14 (Surrogate)	101	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	23	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	37	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	62	0	% Recovery	10-123% Limit		

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JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.....:

DATE SAMPLED.....: / /

TIME SAMPLED.....: :

WORK DESCRIPTION...: METHOD BLANK

LABORATORY I.D...: 940648-0007

DATE RECEIVED.....: / /

TIME RECEIVED.....:

REMARKS.....:

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LABORATORY TESTS RESULTS
04/21/94

JOB NUMBER: 940648

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.....:

DATE SAMPLED.....: / /

TIME SAMPLED.....: :

WORK DESCRIPTION...: METHOD BLANK

LABORATORY I.D....: 940648-0008

DATE RECEIVED.....: / /

TIME RECEIVED.....: :

REMARKS.....:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/07/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	0.9	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	1.2	0.5	ug/L			
m-Chlorotoluene (surrogate)	93	0	% Recovery	64-147% Limit		

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CORE LABORATORIES
ANALYTICAL REPORT

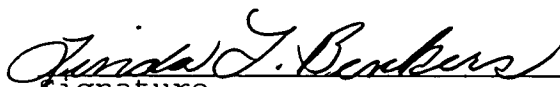
Job Number: 940620

Prepared For:

HYGIENETICS/GCL

505 MARQUETTE NW STE 1100
ALBUQUERQUE, NM 87102

Date: 04/24/94


Signature

4-24-94
Date:

Name: Linda L. Benkers

Core Laboratories
10703 East Bethany Drive
Aurora, CO 80014

Title: QA/QC COORDINATOR

Chicago
626 W. Jackson Blvd., Ste. 800
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Emeryville, CA 94608
(510) 547-8888
FAX (510) 547-3631

Chain of Custody

Date 3/23/94 Page 1 of 1

[illegible]

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SAMPLE DELIVERY GROUP NARRATIVE

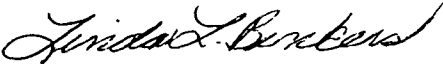
April 25, 1994

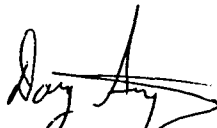
Customer: Hygienetics / GCL
Project: Rexene COC #7736
Core Laboratories Project Number: 940620

On 3-24-94 Core Laboratories received four (4) liquid samples for analysis. The following information is pertinent to the interpretation of the data package.

Semivolatile Organic Analysis:

A spike blank and spike blank duplicate was analyzed with these samples. The spike blank was evaporated to dryness during extraction. The percent recoveries of seven out of eleven spike analytes were below the EPA recommended limits for the spike blank. When compared to the spike blank duplicate, the relative percent differences were outside the EPA recommended limits for seven out of eleven comparisons. Percent recoveries for three of six surrogates analyzed with the spike blank were also found to be outside the EPA recommended limits. Reanalysis of the extracts produced similar results.


Linda L. Benkers
QA/QC Coordinator


Douglas Georgic
Laboratory Supervisor

Core Laboratories

EXPLANATION OF DATA FLAGS

- B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the user should consider this when evaluating the results.
- D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
- E - This data flag indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
- J - Indicates that a value is an estimate. It is used when a compound is determined to be present based on the mass spectral data, but at a concentration less than the practical quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
- X - This flag refers the client to an included case narrative for additional information which may be useful in data evaluation.
- * - Used to indicate matrix interference.



Core Laboratories

LABORATORY TESTS RESULTS 04/24/94

JOB NUMBER: 940620

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7736
DATE SAMPLED: 03/23/94
TIME SAMPLED: 14:35
WORK DESCRIPTION: 9403231435

LABORATORY I.D.: 940620-0001
DATE RECEIVED: 03/24/94
TIME RECEIVED: 09:40
REMARKS: MW-4

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	924	5	mg/L	2320 B (3)	03/25/94	RJB
Chloride (Unfilt.)	4010	15	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/24/94	DME
Sulfate (Unfilt.)	1820	500	mg/L	375.2 (1)	04/04/94	DME
Antimony, Diss. (Sb)	0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	0.07	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.05	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	740	5	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/28/94	GEF
Magnesium, Diss. (Mg)	262	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	57	5	mg/L	6010 (2)	03/29/94	WGL
Selenium, Diss. (Se)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	2920	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

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Core Laboratories
LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940620

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.....: REXENE COC #7736
DATE SAMPLED.....: 03/23/94
TIME SAMPLED.....: 14:35
WORK DESCRIPTION...: 9403231435

LABORATORY I.D....: 940620-0001
DATE RECEIVED.....: 03/24/94
TIME RECEIVED.....: 09:40
REMARKS.....: MW-4

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/05/94	*AN
Benzene	130	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	2.5	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	67	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/06/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	69	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	71	0	% Recovery	43-116% Limit		

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LABORATORY TESTS RESULTS 04/24/94

JOB NUMBER: 940620

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7736

DATE SAMPLED: 03/23/94

TIME SAMPLED: 14:35

WORK DESCRIPTION: 9403231435

LABORATORY I.D.: 940620-0001

DATE RECEIVED: 03/24/94

TIME RECEIVED: 09:40

REMARKS: MW-4

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	57	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	52	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	40	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	96	0	% Recovery	10-123% Limit		
Time Analyzed	1054	0				
Date Extracted	03/28/94	0				
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/05/94	*AN

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LABORATORY TESTS RESULTS 04/24/94

JOB NUMBER: 940620 CUSTOMER: HYGIENETICS/GCL ATTN:

CLIENT I.D.: REXENE COC #7736
DATE SAMPLED: 03/23/94
TIME SAMPLED: 14:40
WORK DESCRIPTION: 9403231440

LABORATORY I.D.: 940620-0002
DATE RECEIVED: 03/24/94
TIME RECEIVED: 09:40
REMARKS: MW-4D

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	908	5	mg/L	2320 B (3)	03/25/94	RJB
Chloride (Unfilt.)	4330	15	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/24/94	DME
Sulfate (Unfilt.)	2100	500	mg/L	375.2 (1)	04/04/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.05	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	755	5	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/28/94	GEF
Magnesium, Diss. (Mg)	247	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	69	5	mg/L	6010 (2)	03/29/94	WGL
Selenium, Diss. (Se)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	2930	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	0.2	0.1	mg/L	6010 (2)	03/29/94	WGL

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LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940620

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.: REXENE COC #7736

DATE SAMPLED 03/23/94

TIME SAMPLED 14:40

WORK DESCRIPTION....: 9403231440

LABORATORY I.D....: 940620-0002

DATE RECEIVED.....: 03/24/94

TIME RECEIVED.....: 09:40

REMARKS.....: MW-4D

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	0.02	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/05/94	*AN
Benzene	110	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	1.6	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	79	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/06/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	82	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	84	0	% Recovery	43-116% Limit		

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LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940620

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7736

DATE SAMPLED: 03/23/94

TIME SAMPLED: 14:40

WORK DESCRIPTION: 9403231440

LABORATORY I.D.: 940620-0002

DATE RECEIVED: 03/24/94

TIME RECEIVED: 09:40

REMARKS: MW-4D

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	69	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	73	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	70	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	91	0	% Recovery	10-123% Limit		
Time Analyzed	1203	0				
Date Extracted	03/28/94	0				
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/05/94	*AN

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LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940620

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7736

DATE SAMPLED: 03/23/94

TIME SAMPLED: 14:50

WORK DESCRIPTION: 9403231450

LABORATORY I.D.: 940620-0003

DATE RECEIVED: 03/24/94

TIME RECEIVED: 09:40

REMARKS: TRIP BLANK

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/05/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	115	0	% Recovery	64-147% Limit		
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/05/94	*AN

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Core Laboratories

LABORATORY TESTS RESULTS

04/24/94

JOB NUMBER: 940620

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7736
 DATE SAMPLED: 03/23/94
 TIME SAMPLED: 14:00
 WORK DESCRIPTION: 9403231400

LABORATORY I.D.: 940620-0004
 DATE RECEIVED: 03/24/94
 TIME RECEIVED: 09:40
 REMARKS: MW-2

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	728	5	mg/L	2320 B (3)	03/25/94	RJB
Chloride (Unfilt.)	5680	20	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/24/94	DME
Sulfate (Unfilt.)	2280	500	mg/L	375.2 (1)	04/04/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	1130	5	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/28/94	GEF
Magnesium, Diss. (Mg)	401	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	72	5	mg/L	6010 (2)	03/29/94	WGL
Selenium, Diss. (Se)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	3750	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

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LABORATORY TESTS RESULTS 04/24/94

JOB NUMBER: 940620

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7736

DATE SAMPLED: 03/23/94

TIME SAMPLED: 14:00

WORK DESCRIPTION: 9403231400

LABORATORY I.D.: 940620-0004

DATE RECEIVED: 03/24/94

TIME RECEIVED: 09:40

REMARKS: MW-2

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/05/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	18	0.5	ug/L			
Ethyl benzene	3.2	0.5	ug/L			
Xylenes	49	0.5	ug/L			
m-Chlorotoluene (surrogate)	199 *	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/08/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	85	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	81	0	% Recovery	43-116% Limit		

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LABORATORY TESTS RESULTS 04/24/94

JOB NUMBER: 940620

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7736

DATE SAMPLED: 03/23/94

TIME SAMPLED: 14:00

WORK DESCRIPTION: 9403231400

LABORATORY I.D.: 940620-0004

DATE RECEIVED: 03/24/94

TIME RECEIVED: 09:40

REMARKS: MW-2

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	81	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	75	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	63	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	90	0	% Recovery	10-123% Limit		
Time Analyzed	0033	0				
Date Extracted	03/28/94	0				
Total Vol. Petroleum Hydrocarbon	0.5	0.1	mg/L Gasoline	8015 (Modified) (2)	04/05/94	*AN

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LABORATORY TESTS RESULTS

04/24/94

JOB NUMBER: 940620

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.....:

DATE SAMPLED.....: / /

TIME SAMPLED.....:

WORK DESCRIPTION....: METHOD BLANK

LABORATORY I.D....: 940620-0005

DATE RECEIVED.....: / /

TIME RECEIVED.....:

REMARKS.....:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/05/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	139	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/06/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	47	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	47	0	% Recovery	43-116% Limit		
4-Terphenyl-d14 (Surrogate)	80	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	44	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	39	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	73	0	% Recovery	10-123% Limit		

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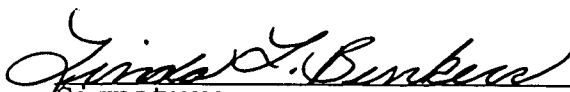
CORE LABORATORIES
ANALYTICAL REPORT

Job Number: 940619
Prepared For:

HYGIENETICS/GCL

505 MARQUETTE NW STE 1100
ALBUQUERQUE, NM 87102

Date: 04/24/94


Signature

4-24-94
Date:

Name: Linda L. Benkers

Core Laboratories
10703 East Bethany Drive
Aurora, CO 80014

Title: QA/QC COORDINATOR



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Las Cruces, NM 88004
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7735

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☐ Los Angeles
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Lanham, MD 20706-4325
(301) 459-9677
FAX: (301) 459-3064

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New York, NY 10016
(212) 983-8510
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☐ San Francisco
2200 Powell Street, Ste. 880
Emeryville, CA 94608
(510) 547-3886
FAX: (510) 547-3631

Chain of Custody

Date 3/23/94 Page 1 of 1

Lab Name <u>CORE LABORATORIES</u> Address <u>10703 East Bethany Drive</u> <u>Aurora, CO 80014-2696</u> Telephone <u>303/751-1780</u>			Analysis Request																								
Sample Number	Matrix	Location	Halogenated Volatiles 601/8010	Aromatic Volatiles 602/8020	Phenols, Sub Phenols 604/8040	Pesticides/PCB 608/8080	Polynuclear Aromatic Hydrocarbons 610/8310	Volatiles Compounds GC/MS 624/8240	Base/Neutral/Acid Compounds GC/MS 624/8270	Total Organic Carbon (TOC) 415/9060	Total Organic Halides (TOX) 9020	Petroleum Hydrocarbons 418.1	TPH/BTEX Modified 8015	TCLP, Vol., Semi-Vol. Herbicides, Pesticides	TCLP, Metals	RCA Metals (6)	Priority Pollutant Metals (13)	CAM Metals (18) + Cd, Pb, Hg, K, Na, TLG, STLC	Flash Point	Corrosivity	Reactivity	Oil & Grease	Cyanide Total/Amenable	Chemical Oxygen Demand (COD)	Major Cations & Anions	Number of Containers	
9403231020	H ₂ O	MW-6D							/				/					/							/		6
9403231120	H ₂ O	MW-3D							/				/					/							/		6
9403231150	H₂O	MW-35							/				/					/							/		6
9403231220	H ₂ O	MW-1							/				/					/							/		6
9403231300	H ₂ O	MW-12							/				/					/							/		6
9403231400	H₂O	MW-2							/				/					/							/		6
Project Information			Sample Receipt		Relinquished By		1. Relinquished By		2. Relinquished By		3. Relinquished By																
Project <u>Revene</u>	Total No. of Containers	<u>24</u>	Chain of Custody Seals		<u>Pat Mearns</u> 1530		<u>Pat Mearns</u> 3/23/94		<u>Mary Scott</u> 0940		<u>Mary Scott</u> 3-24-94																
Project Director <u>Thomas</u>	Rec'd Good Condition (Cold)	<u>Y</u>	Conforms to Record		<u>GCL</u>		<u>GCL</u>		<u>GCL</u>		<u>GCL</u>																
Shipping ID: No. <u>8069628904</u>	Lab No. <u>940619</u>	Received By		1. Received By		2. Received By (Laboratory)		3. Received By (Laboratory)																			
Via <u>FEDEX</u>	Special Instructions/Comments:		Signature		Signature		Signature		Signature																		
			(Printed Name)		(Printed Name)		(Printed Name)		(Printed Name)																		
			(Company)		(Company)		(Company)		(Company)																		

Core Laboratories

SAMPLE DELIVERY GROUP NARRATIVE

April 25, 1994

Customer: Hygienetics / GCL
Project: Rexene COC #7735
Core Laboratories Project Number: 940619

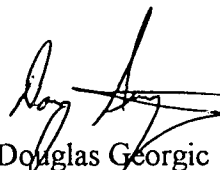
On 3-24-94 Core Laboratories received four (4) liquid samples for analysis. The following information is pertinent to the interpretation of the data package.

Semivolatile Organic Analysis:

A spike blank and spike blank duplicate was analyzed with these samples. The spike blank was evaporated to dryness during extraction. The percent recoveries of seven out of eleven spike analytes were below the EPA recommended limits for the spike blank. When compared to the spike blank duplicate, the relative percent differences were outside the EPA recommended limits for seven out of eleven comparisons. Percent recoveries for three of six surrogates analyzed with the spike blank were also found to be outside the EPA recommended limits. Reanalysis of the extracts produced similar results.



Linda L. Benkers
QA/QC Coordinator



Douglas Georgic
Laboratory Supervisor



Core Laboratories

LABORATORY TESTS RESULTS 04/24/94

JOB NUMBER: 940619 CUSTOMER: HYGIENETICS/GCL ATTN:

CLIENT I.D.: REXENE COC #7735
DATE SAMPLED: 03/23/94
TIME SAMPLED: 10:20
WORK DESCRIPTION: 9403231020

LABORATORY I.D.: 940619-0001
DATE RECEIVED: 03/24/94
TIME RECEIVED: 09:40
REMARKS: MW-6D

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	475	5	mg/L	2320 B (3)	03/25/94	RJB
Chloride (Unfilt.)	5600	15	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/24/94	DME
Sulfate (Unfilt.)	2360	250	mg/L	375.2 (1)	03/29/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.02	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	510	1.0	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/28/94	GEF
Magnesium, Diss. (Mg)	218	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	25	5	mg/L	6010 (2)	03/29/94	WGL
Selenium, Diss. (Se)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	3520	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

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Core Laboratories
LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940619

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.: REXENE COC #7735

DATE SAMPLED.: 03/23/94

TIME SAMPLED.: 10:20

WORK DESCRIPTION.: 9403231020

LABORATORY I.D.: 940619-0001

DATE RECEIVED.: 03/24/94

TIME RECEIVED.: 09:40

REMARKS.: MW-60

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/05/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	1.6	0.5	ug/L			
m-Chlorotoluene (surrogate)	138	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/07/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	62	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	61	0	% Recovery	43-116% Limit		

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Core Laboratories
LABORATORY TESTS RESULTS

04/24/94

JOB NUMBER: 940619

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7735

DATE SAMPLED: 03/23/94

TIME SAMPLED: 10:20

WORK DESCRIPTION: 9403231020

LABORATORY I.D.: 940619-0001

DATE RECEIVED: 03/24/94

TIME RECEIVED: 09:40

REMARKS: MW-6D

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	84	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	48	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	33	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	83	0	% Recovery	10-123% Limit		
Time Analyzed	1957	0				
Date Extracted	03/28/94	0				
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/05/94	*AN

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Core Laboratories

LABORATORY TESTS RESULTS 04/24/94

JOB NUMBER: 940619 CUSTOMER: HYGIENETICS/GCL ATTN:

CLIENT I.D.: REXENE COC #7735
DATE SAMPLED: 03/23/94
TIME SAMPLED: 11:20
WORK DESCRIPTION: 9403231120

LABORATORY I.D.: 940619-0002
DATE RECEIVED: 03/24/94
TIME RECEIVED: 09:40
REMARKS: MW-3D

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	468	5	mg/L	2320 B (3)	03/25/94	RJB
Chloride (Unfilt.)	4720	15	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/24/94	DME
Sulfate (Unfilt.)	2630	250	mg/L	375.2 (1)	03/29/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.04	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	473	1.0	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/28/94	GEF
Magnesium, Diss. (Mg)	246	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	36	5	mg/L	6010 (2)	03/29/94	WGL
Selenium, Diss. (Se)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	3830	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

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Core Laboratories
LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940619 **CUSTOMER:** HYGIENETICS/GCL **ATTN:**
CLIENT I.D.....: REXENE COC #7735
DATE SAMPLED.....: 03/23/94
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WORK DESCRIPTION....: 9403231120

LABORATORY I.D....: 940619-0002
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REMARKS.....: MW-3D

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/05/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	136	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/07/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	84	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	78	0	% Recovery	43-116% Limit		

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Core Laboratories
LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940619 **CUSTOMER:** HYGIENETICS/GCL **ATTN:**
CLIENT I.D.....: REXENE COC #7735
DATE SAMPLED.....: 03/23/94
TIME SAMPLED.....: 11:20
WORK DESCRIPTION....: 9403231120

LABORATORY I.D....: 940619-0002
DATE RECEIVED.....: 03/24/94
TIME RECEIVED.....: 09:40
REMARKS.....: MW-3D

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	91	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	75	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	69	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	87	0	% Recovery	10-123% Limit		
Time Analyzed	2106	0				
Date Extracted	03/28/94	0				
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/05/94	*AN

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04/24/94

JOB NUMBER: 940619

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.: REXENE COC #7735

DATE SAMPLED.: 03/23/94

TIME SAMPLED.: 12:20

WORK DESCRIPTION.: 9403231220

LABORATORY I.D.: 940619-0003

DATE RECEIVED.: 03/24/94

TIME RECEIVED.: 09:40

REMARKS.: MW-1

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	456	5	mg/L	2320 B (3)	03/25/94	RJB
Chloride (Unfilt.)	133	0.5	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/24/94	DME
Sulfate (Unfilt.)	123	10	mg/L	375.2 (1)	03/29/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.11	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	109	1.0	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/28/94	GEF
Magnesium, Diss. (Mg)	27.2	0.1	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	14	5	mg/L	6010 (2)	03/29/94	WGL
Selenium, Diss. (Se)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	175	5	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

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LABORATORY TESTS RESULTS
04/24/94

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CUSTOMER: HYGIENETICS/GCL

ATTN:
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DATE SAMPLED.: 03/23/94

TIME SAMPLED.: 12:20

WORK DESCRIPTION.: 9403231220

LABORATORY I.D.: 940619-0003

DATE RECEIVED.: 03/24/94

TIME RECEIVED.: 09:40

REMARKS.: MW-1

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/05/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	143	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/07/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	87	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	83	0	% Recovery	43-116% Limit		

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LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940619

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.....: REXENE COC #7735

DATE SAMPLED.....: 03/23/94

TIME SAMPLED.....: 12:20

WORK DESCRIPTION....: 9403231220

LABORATORY I.D....: 940619-0003

DATE RECEIVED.....: 03/24/94

TIME RECEIVED.....: 09:40

REMARKS.....: MW-1

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	98	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	75	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	65	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	95	0	% Recovery	10-123% Limit		
Time Analyzed	2215	0				
Date Extracted	03/28/94	0				
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/05/94	*AN

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LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940619

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.....: REXENE COC #7735

DATE SAMPLED.....: 03/23/94

TIME SAMPLED.....: 13:00

WORK DESCRIPTION....: 9403231300

LABORATORY I.D....: 940619-0004

DATE RECEIVED.....: 03/24/94

TIME RECEIVED.....: 09:40

REMARKS.....: MW-12

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Bicarbonate (Unfilt.)	532	5	mg/L	2320 B (3)	03/25/94	RJB
Chloride (Unfilt.)	8260	25	mg/L	325.2 (1)	04/05/94	DME
Nitrogen, Nitrate (Unfilt.)	<0.1	0.1	mg/L (as N)	353.2 (1)	03/24/94	DME
Sulfate (Unfilt.)	1920	250	mg/L	375.2 (1)	03/29/94	DME
Antimony, Diss. (Sb)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL
Arsenic, Diss. (As)	0.08	0.05	mg/L	6010 (2)	03/29/94	WGL
Barium, Diss. (Ba)	0.03	0.01	mg/L	6010 (2)	03/29/94	WGL
Beryllium, Diss. (Be)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Cadmium, Diss. (Cd)	<0.005	0.005	mg/L	6010 (2)	03/29/94	WGL
Calcium, Diss. (Ca)	1380	5	mg/L	6010 (2)	03/29/94	WGL
Chromium, Diss. (Cr)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Cobalt, Diss. (Co)	<0.03	0.03	mg/L	6010 (2)	03/29/94	WGL
Copper, Diss. (Cu)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Lead, Diss. (Pb)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Mercury, Diss. (Hg)	<0.0002	0.0002	mg/L	7470 (2)	03/28/94	GEF
Magnesium, Diss. (Mg)	495	0.5	mg/L	6010 (2)	03/29/94	WGL
Molybdenum, Diss. (Mo)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Nickel, Diss. (Ni)	<0.04	0.04	mg/L	6010 (2)	03/29/94	WGL
Potassium, Diss. (K)	55	5	mg/L	6010 (2)	03/29/94	WGL
Selenium, Diss. (Se)	0.2	0.1	mg/L	6010 (2)	03/29/94	WGL
Silver, Diss. (Ag)	<0.01	0.01	mg/L	6010 (2)	03/29/94	WGL
Sodium, Diss. (Na)	4340	20	mg/L	6010 (2)	03/29/94	WGL
Thallium, Diss. (Tl)	<0.1	0.1	mg/L	6010 (2)	03/29/94	WGL

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LABORATORY TESTS RESULTS

04/24/94

JOB NUMBER: 940619

CUSTOMER: HYGIENETICS/GCL

ATTN:

CLIENT I.D.: REXENE COC #7735

DATE SAMPLED: 03/23/94

TIME SAMPLED: 13:00

WORK DESCRIPTION: 9403231300

LABORATORY I.D.: 940619-0004

DATE RECEIVED: 03/24/94

TIME RECEIVED: 09:40

REMARKS: MW-12

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Vanadium, Diss. (V)	<0.05	0.05	mg/L	6010 (2)	03/29/94	WGL
Zinc, Diss. (Zn)	0.02	0.01	mg/L	6010 (2)	03/29/94	WGL
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/05/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	142	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/07/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	85	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	81	0	% Recovery	43-116% Limit		

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LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940619

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.: REXENE COC #7735

LABORATORY I.D.: 940619-0004

DATE SAMPLED.: 03/23/94

DATE RECEIVED.: 03/24/94

TIME SAMPLED.: 13:00

TIME RECEIVED.: 09:40

WORK DESCRIPTION.: 9403231300

REMARKS.: MW-12

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
4-Terphenyl-d14 (Surrogate)	102	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	77	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	73	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	87	0	% Recovery	10-123% Limit		
Time Analyzed	2324	0				
Date Extracted	03/28/94	0				
Total Vol. Petroleum Hydrocarbon	<0.1	0.1	mg/L Gasoline	8015 (Modified) (2)	04/05/94	*AN

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LABORATORY TESTS RESULTS
04/24/94

JOB NUMBER: 940619

CUSTOMER: HYGIENETICS/GCL

ATTN:
CLIENT I.D.....:
DATE SAMPLED.....: / /

TIME SAMPLED.....: :

WORK DESCRIPTION...: METHOD BLANK

LABORATORY I.D....: 940619-0005

DATE RECEIVED.....: / /

TIME RECEIVED.....: :

REMARKS.....:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	04/05/94	*AN
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
m-Chlorotoluene (surrogate)	139	0	% Recovery	64-147% Limit		
H+GCL PAH & PHENOLS LIST BY 8270		*1		8270 (2)	04/07/94	DMJ
Acenaphthene	ND	10	ug/L			
Acenaphthylene	ND	10	ug/L			
Anthracene	ND	10	ug/L			
Benzo(a)anthracene	ND	10	ug/L			
Benzo(b)fluoranthene	ND	10	ug/L			
Benzo(k)fluoranthene	ND	10	ug/L			
Benzo(ghi)perylene	ND	10	ug/L			
Benzo(a)pyrene	ND	10	ug/L			
Chrysene	ND	10	ug/L			
Dibenzo(a,h)anthracene	ND	10	ug/L			
Fluoranthene	ND	10	ug/L			
Fluorene	ND	10	ug/L			
Indeno(1,2,3-cd)pyrene	ND	10	ug/L			
1-Methylnaphthalene	ND	10	ug/L			
2-Methylnaphthalene	ND	10	ug/L			
Naphthalene	ND	10	ug/L			
Phenanthrene	ND	10	ug/L			
Pyrene	ND	10	ug/L			
4-Chloro-3-methylphenol	ND	10	ug/L			
2-Chlorophenol	ND	10	ug/L			
2,4-Dichlorophenol	ND	10	ug/L			
2,4-Dimethylphenol	ND	10	ug/L			
2,4-Dinitrophenol	ND	50	ug/L			
2-Methyl-4,6-dinitrophenol	ND	50	ug/L			
2-Nitrophenol	ND	10	ug/L			
4-Nitrophenol	ND	50	ug/L			
Pentachlorophenol	ND	50	ug/L			
Phenol	ND	10	ug/L			
2,4,6-Trichlorophenol	ND	10	ug/L			
Nitrobenzene-d5 (Surrogate)	52	0	% Recovery	35-114% Limit		
2-Fluorobiphenyl (Surrogate)	48	0	% Recovery	43-116% Limit		
4-Terphenyl-d14 (Surrogate)	97	0	% Recovery	33-141% Limit		
Phenol-d6 (Surrogate)	46	0	% Recovery	10-94% Limit		
2-Fluorophenol (Surrogate)	40	0	% Recovery	21-100% Limit		
2,4,6-Tribromophenol (Surrogate)	66	0	% Recovery	10-123% Limit		

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