EPA Region 5 Records Ctr.
379844

SAMPLING DATA

RECEIPT FOR SAMPLES

PROJ. NO. RS-8303-14 -178	PROJECT NAME Shell Oil - Wood River Refinery
SAMPLERS: (Signature)	
Split Samples Offered	(✓) Accepted ( ) Declined

Name of Facility: Shell Oil Co Wood River Refinery, Wood River IL

Facility Location: Rt 111, Wood River IL

STA. NO.	DATE	TIME	COMP.	GRAB	SPLIT SAMPLES	TAG NUMBERS	STATION DESCRIPTION	NO. OF CONTAINERS	REMARKS
P-1 upper	4-12-84	1020		X	yes		well P-1 upper	6	
P-4 upper	4-12-84	915		X	yes		well P-4 upper	6	
P-6 upper	4-12-84	920		X	yes		well P-6 upper	6	
P-10 upper	4-12-84	9:00 9:15		X	yes		well P-10 upper	DC ~~6~~ 12	used P-10 as a duplicate sample
P-12 upper	4-12-84	1035		X	yes		well P-12 upper	DC ~~12~~ 6	used
							from each well 2½ gal - organics		
							2 - voa's - volatiles		
							1 liter - metals		
							1 liter - cyanide		
							except P-10 in which we took a duplicate sample		

IL-0148-22
RS-8303-014

Transferred by: (Signature)		Received by: (Signature) Janice M Rollins	Telephone 618-254-7311
Date 4-12-84	Time 11:45	Title Analytical Chemist	Date 4/12/84 Time 11:45 AM

Distribution: Original to Coordinator Field Files; Copy to Facility

VIAR: Dr. Rob Pritchard 703-557-2490
NEIC: Dr. Barry North 303-234-2683

Contract (include VIAR Lab name for NEIC extracts)

SAMPLE PROPOSAL

FIT REGION V

1. Date form completed 4-2-84

2. TDD# 8303-1A-178

Site Name, City, State Shell Oil Company, Wood River Refinery Roxana IL

3. Team Leader Cozza Sampler ~~Cozza~~ Sewall

4. Number and type of samples 6 ground water wells + blank, dup = 8 low waters

5. Parameters requested Priority Pollutants, Metals, CN

6. Expected sampling date 4/11 or 4/12 84

Expected shipment date " " "

7. Lab used for analysis: Organic RMA

Inorganic Radian (use Austin address)

Case Number (Environmentals & Mediums) 2636

8. Projected due date of FIT analysis receipt

9. Airbill Number: Organic Lab

Inorganic Lab

CB,KG/df
7/22/81

SMP-001

Radian Corporation (Radian)
8501 Mo-Pac Blvd.
Austin, Travis County, Texas
78759

Attn: Donny Heinrich

RECEIVED MAY 17 1984

000015

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E8239

84MC05514

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: ROCKY MOUNTAIN ANALYTICAL
Case No: 2636
Lab Sample ID No: 7043-01
QC Report No: 7043
Sample Matrix: WATER
Contract No.: 68-01-6738
Data Release Authorized By: John Reaves
Date Sample Received: 4/13/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 4/20/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: x 1

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10 u
(22A)	59-50-7	p-chloro-m-cresol	10 u
(24A)	95-57-8	2- chlorophenol	10 u
(31A)	120-83-2	2,4-dichlorophenol	10 u
(34A)	105-67-9	2,4-dimethylphenol	10 u
(57A)	88-75-5	2- nitrophenol	20 u
(58A)	100-02-7	4-nitrophenol	50 u
(59A)	51-28-5	2,4-dinitrophenol	50 u
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20 u
(64A)	87-86-5	pentachlorophenol	10 u
(65A)	108-95-2	phenol	10 u
	65-85-0	benzoic acid	100 u
	95-48-7	2-methylphenol	5 u
	108-39-4	4-methylphenol	5 u
	95-95-4	2,4,5-trichlorophenol	100 u
(1B)	83-32-9	acenaphthene	10 u
(5B)	92-87-5	benzidine	40 u
(8B)	120-82-1	1,2,4-trichlorobenzene	10 u
(9B)	118-74-1	hexachlorobenzene	10 u
(12B)	67-72-1	hexachloroethane	10 u
(18B)	111-44-4	bis(2-chloroethyl)ether	10 u
(20B)	91-58-7	2-chloronaphthalene	10 u
(25B)	95-50-1	1,2-dichlorobenzene	10 u
(26B)	541-73-1	1,3-dichlorobenzene	10 u
(27B)	106-46-7	1,4-dichlorobenzene	10 u
(28B)	91-94-1	3,3'-dichlorobenzidine	20 u
(35B)	121-14-2	2,4-dinitrotoluene	20 u
(36B)	606-20-2	2,6-dinitrotoluene	20 u
(37B)	122-66-7	1,2-diphenylhydrazine	20 u
(39B)	206-44-0	fluoranthene	10 u
(40B)	7005-72-3	4-chlorophenyl phenyl ether	10 u
(41B)	101-55-3	4-bromophenyl phenyl ether	10 u
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	20 u
(43B)	111-91-1	bis (2-chloroethoxy) methane	20 u

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	10
(53B)	77-47-4	hexachlorocyclopentadiene	10
(54B)	78-59-1	isophorone	10
(55B)	91-20-3	naphthalene	10
(56B)	98-95-3	nitrobenzene	10
(61B)	62-75-9	N-nitrosodimethylamine	25
(62B)	86-30-6	N-nitrosodiphenylamine	10
(63B)	621-64-7	N-nitrosodipropylamine	10
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	3
(67B)	85-68-7	benzyl butyl phthalate	10
(68B)	84-74-2	di-n-butyl phthalate	1
(69B)	117-84-0	di-n-oetyl phthalate	10
(70B)	84-66-2	diethyl phthalate	1K 21
(71B)	131-11-3	dimethyl phthalate	10
(72B)	56-55-3	benzo(a)anthracene	10
(73B)	50-32-8	benzo(a)pyrene	20
(74B)	205-99-2	benzo(b)fluoranthene	20
(75B)	207-08-9	benzo(k)fluoranthene	20
(76B)	218-01-9	chrysene	20
(77B)	208-96-8	acenaphthylene	10
(78B)	120-12-7	anthracene	10
(79B)	191-24-2	benzo(ghi)perylene	20
(80B)	86-73-7	fluorene	10
(81B)	85-01-8	phenanthrene	10
(82B)	53-70-3	dibenzo(a,h)anthracene	20
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20
(84B)	129-00-0	pyrene	10
	62-53-3	aniline	5
	100-51-6	benzyl alcohol	20
	106-47-8	4-chloroaniline	50
	132-64-9	dibenzofuran	10
	91-57-6	2-methylnaphthalene	20
	88-74-4	2-nitroaniline	100
	99-09-2	3-nitroaniline	100
	100-01-6	4-nitroaniline	100

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000016

.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E8239

ORGANICS ANALYSIS DATA SHEET

aboratory Name: RMAL
ab Sample ID No: 7043-01
ample Matrix: Low WATER
ata Release Authorized By: John Reaves

Case No: 2634
QC Report No: 7043
Contract No.: 68-01-6738
Date Sample Received: 4/13/84

VOLATILES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4/17/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	1K
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	10 ~~4~~U
(50V)	75-71-8	dichlorodifluoromethane	10 ~~4~~U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	42K
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	1U
	519-78-6	2-hexanone	5 ~~U~~ B
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 5/2/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: X1

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.005U
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.05U
(92P)	50-29-3	4,4'-DDT	0.01U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.01U
(95P)	115-29-7	α-endosulfan	0.005
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.01U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.01U
(100P)	76-44-8	heptachlor	0.005
(101P)	1024-57-3	heptachlor epoxide	0.005
(102P)	319-84-6	α-BHC	0.005
(103P)	319-85-7	β-BHC	0.005
(104P)	319-86-8	δ-BHC	0.005
(105P)	58-89-9	γ-BHC (lindane)	0.005
(106P)	53469-21-9	PCB-1242	0.05U
(107P)	11097-69-1	PCB-1254	0.05U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.05U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.2U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: NA
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

ORGANICS ANALYSIS DATA SHEET - Page 3 000031

Sample No. E823

Laboratory Name: RMAL Case No: 2636

SDG Report No: 7043-01

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: pm)	Est. Conc. (ug/L)
1.		None Detected	VOA			
2.						
3.						
4.						
5.		UNKNOWN	BNA	730		+
6.		UNKNOWN	BNA	1288		+
7.		UNKNOWN	BNA	1305		+
8.						
9.						
10.						
11.						
12.						
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21.						
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30.						

FORM II (continued)

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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

000017

Sample Number
E8240

84MC05S15

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Rocky Mountain Analytical
Case No: 6 2636
Lab Sample ID No: 7043-02
QC Report No: 7043
Sample Matrix: Water
Contract No.: 68-01-6738
Data Release Authorized By: John Graves
Date Sample Received: 4/13/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 4/20/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: x 1

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10 u
(22A)	59-50-7	p-chloro-m-cresol	10 u
(24A)	95-57-8	2- chlorophenol	10 u
(31A)	120-83-2	2,4-dichlorophenol	10 u
(34A)	105-67-9	2,4-dimethylphenol	10 u
(57A)	88-75-5	2- nitrophenol	20 u
(58A)	100-02-7	4-nitrophenol	50 u
(59A)	51-28-5	2,4-dinitrophenol	50 u
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20 u
(64A)	87-86-5	pentachlorophenol	10 u
(65A)	108-95-2	phenol	2 K
	65-85-0	benzoic acid	100 u
	95-48-7	2-methylphenol	5 u
	108-39-4	4-methylphenol	5 u
	95-95-4	2,4,5-trichlorophenol	100 u
(1B)	83-32-9	acenaphthene	10 u
(5B)	92-87-5	benzidine	40 u
(8B)	120-82-1	1,2,4-trichlorobenzene	10 u
(9B)	118-74-1	hexachlorobenzene	10 u
(12B)	67-72-1	hexachloroethane	10 u
(18B)	111-44-4	bis(2-chloroethyl)ether	10 u
(20B)	91-58-7	2-chloronaphthalene	10 u
(25B)	95-50-1	1,2-dichlorobenzene	10 u
(26B)	541-73-1	1,3-dichlorobenzene	10 u
(27B)	106-46-7	1,4-dichlorobenzene	10 u
(28B)	91-94-1	3,3'-dichlorobenzidine	20 u
(35B)	121-14-2	2,4-dinitrotoluene	20 u
(36B)	606-20-2	2,6-dinitrotoluene	20 u
(37B)	122-66-7	1,2-diphenylhydrazine	20 u
(39B)	206-44-0	fluoranthene	10 u
(40B)	7005-72-3	4-chlorophenyl phenyl ether	10 u
(41B)	101-55-3	4-bromophenyl phenyl ether	10 u
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	20 u
(43B)	111-91-1	bis (2-chloroethoxy) methane	20 u

PP #	CAS #		ug/l or ug/kg (circle on
(52B)	87-68-3	hexachlorobutadiene	10
(53B)	77-47-4	hexachlorocyclopentadiene	10
(54B)	78-59-1	isophorone	10
(55B)	91-20-3	naphthalene	10
(56B)	98-95-3	nitrobenzene	10
(61B)	62-75-9	N-nitrosodimethylamine	25
(62B)	86-30-6	N-nitrosodiphenylamine	10
(63B)	621-64-7	N-nitrosodipropylamine	10
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	3K 2
(67B)	85-68-7	benzyl butyl phthalate	10
(68B)	84-74-2	di-n-butyl phthalate	10
(69B)	117-84-0	di-n-octyl phthalate	10
(70B)	84-66-2	diethyl phthalate	10
(71B)	131-11-3	dimethyl phthalate	10
(72B)	56-55-3	benzo(a)anthracene	10
(73B)	50-32-8	benzo(a)pyrene	20
(74B)	205-99-2	benzo(b)fluoranthene	20
(75B)	207-08-9	benzo(k)fluoranthene	20
(76B)	218-01-9	chrysene	20
(77B)	208-96-8	acenaphthylene	10
(78B)	120-12-7	anthracene	10
(79B)	191-24-2	benzo(ghi)perylene	20
(80B)	86-73-7	fluorene	10
(81B)	85-01-8	phenanthrene	10
(82B)	53-70-3	dibenzo(a,h)anthracene	20
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20
(84B)	129-00-0	pyrene	10
	62-53-3	aniline	5
	100-51-6	benzyl alcohol	20
	106-47-8	4-chloroaniline	50
	132-64-9	dibenzofuran	10
	91-57-6	2-methylnaphthalene	20
	88-74-4	2-nitroaniline	100
	99-09-2	3-nitroaniline	100
	100-01-6	4-nitroaniline	100

.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

000018

Sample Number
E-8240

ORGANICS ANALYSIS DATA SHEET

aboratory Name: RMAL
ab Sample ID No: 7043-02
ample Matrix: Low water
ata Release Authorized By: John Graves

Case No: 2636
QC Report No: 7043
Contract No.: 68-01-6738
Date Sample Received: 4/13/84

VOLATILES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4/17/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: x1

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	1K
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	10~~4~~U
(50V)	75-71-8	dichlorodifluoromethane	10~~4~~U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	53K
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	1U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	1K
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 5/2/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: x1

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PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.005U
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.05U
(92P)	50-29-3	4,4'-DDT	0.01U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.01U
(95P)	115-29-7	α-endosulfan	0.005U
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.01U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.01U
(100P)	76-44-8	heptachlor	0.005
(101P)	1024-57-3	heptachlor epoxide	0.005U
(102P)	319-84-6	α-BHC	0.005U
(103P)	319-85-7	β-BHC	0.005U
(104P)	319-86-8	δ-BHC	0.005U
(105P)	58-89-9	γ-BHC (lindane)	0.005U
(106P)	53469-21-9	PCB-1242	0.05U
(107P)	11097-69-1	PCB-1254	0.05U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.05
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.2U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: —
PERCENT MOISTURE: NA
CONC./DILUTION FACTOR: —

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

ORGANICS ANALYSIS DATA SHEET - Page 3

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Laboratory Name: RMAL Case No: 2636

QC Report No: 7043-02

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: PURITY)	C (E
1.	75-85-4	2-METHYL-2-BUTANOL	VOA	295	86.8	
2.						
3.						
4.						
5.		UNKNOWN	BNA	733		
6.	126-33-0	TETRAHYDRO-1,1-DIOXIDE THIOPHENE	BNA	833	87.4	
7.		UNKNOWN	BNA	1115		
8.		UNKNOWN	BNA	1248		
9.		UNKNOWN	BNA	2076		
10.		UNKNOWN	BNA	2548		
11.						
12.						
13.						
14.						
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29.						
30.						

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000019

Sample Number
E8241

84MC05R02

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Rocky Mountain Analytical
Case No: 2636
Lab Sample ID No: 7043-03
QC Report No: 7043
Sample Matrix: Water
Contract No.: 68-01-6738
Data Release Authorized By: John Graves
Date Sample Received: 4/13/84

RECEIVED MAY 17 1984

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 4/20/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: x 1

PP #	CAS #		(ug/l) or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10 u
(22A)	59-50-7	p-chloro-m-cresol	10 u
(24A)	95-57-8	2- chlorophenol	10 u
(31A)	120-83-2	2,4-dichlorophenol	10 u
(34A)	105-67-9	2,4-dimethylphenol	10 u
(57A)	88-75-5	2- nitrophenol	20 u
(58A)	100-02-7	4-nitrophenol	50 u
(59A)	51-28-5	2,4-dinitrophenol	50 u
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20 u
(64A)	87-86-5	pentachlorophenol	10 u
(65A)	108-95-2	phenol	10 u
	65-85-0	benzoic acid	100 u
	95-48-7	2-methylphenol	5 u
	108-39-4	4-methylphenol	5 u
	95-95-4	2,4,5-trichlorophenol	100 u
(1B)	83-32-9	acenaphthene	10 u
(5B)	92-87-5	benzidine	40 u
(8B)	120-82-1	1,2,4-trichlorobenzene	10 u
(9B)	118-74-1	hexachlorobenzene	10 u
(12B)	67-72-1	hexachloroethane	10 u
(18B)	111-44-4	bis(2-chloroethyl)ether	10 u
(20B)	91-58-7	2-chloronaphthalene	10 u
(25B)	95-50-1	1,2-dichlorobenzene	10 u
(26B)	541-73-1	1,3-dichlorobenzene	10 u
(27B)	106-46-7	1,4-dichlorobenzene	10 u
(28B)	91-94-1	3,3'-dichlorobenzidine	20 u
(35B)	121-14-2	2,4-dinitrotoluene	20 u
(36B)	606-20-2	2,6-dinitrotoluene	20 u
(37B)	122-66-7	1,2-diphenylhydrazine	20 u
(39B)	206-44-0	fluoranthene	10 u
(40B)	7005-72-3	4-chlorophenyl phenyl ether	10 u
(41B)	101-55-3	4-bromophenyl phenyl ether	10 u
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	20 u
(43B)	111-91-1	bis (2-chloroethoxy) methane	20 u

PP #	CAS #		(ug/l) or ug/kg (circle on
(52B)	87-68-3	hexachlorobutadiene	10
(53B)	77-47-4	hexachlorocyclopentadiene	10
(54B)	78-59-1	isophorone	10
(55B)	91-20-3	naphthalene	10
(56B)	98-95-3	nitrobenzene	10
(61B)	62-75-9	N-nitrosodimethylamine	25
(62B)	86-30-6	N-nitrosodiphenylamine	10
(63B)	621-64-7	N-nitrosodipropylamine	10
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	10
(67B)	85-68-7	benzyl butyl phthalate	10
(68B)	84-74-2	di-n-butyl phthalate	10
(69B)	117-84-0	di-n-octyl phthalate	10
(70B)	84-66-2	diethyl phthalate	10
(71B)	131-11-3	dimethyl phthalate	10
(72B)	56-55-3	benzo(a)anthracene	10
(73B)	50-32-8	benzo(a)pyrene	20
(74B)	205-99-2	benzo(b)fluoranthene	20
(75B)	207-08-9	benzo(k)fluoranthene	20
(76B)	218-01-9	chrysene	20
(77B)	208-96-8	acenaphthylene	10
(78B)	120-12-7	anthracene	10
(79B)	191-24-2	benzo(ghi)perylene	20
(80B)	86-73-7	fluorene	10
(81B)	85-01-8	phenanthrene	10
(82B)	53-70-3	dibenzo(a,h)anthracene	20
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20
(84B)	129-00-0	pyrene	10
	62-53-3	aniline	5
	100-51-6	benzyl alcohol	20
	106-47-8	4-chloroaniline	50
	132-64-9	dibenzofuran	10
	91-57-6	2-methylnaphthalene	20
	88-74-4	2-nitroaniline	100
	99-09-2	3-nitroaniline	100
	100-01-6	4-nitroaniline	100

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000020

Sample Number
E 8241

ORGANICS ANALYSIS DATA SHEET

aboratory Name: RMAL
ab Sample ID No: 7043-03
ample Matrix: LOW WATER
ata Release Authorized By: John Graves

Case No: 2636
QC Report No: 7043
Contract No.: 68-01-6738
Date Sample Received: 4/13/84

VOLATILES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4/17/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100 U
(3V)	107-13-1	acrylonitrile	100 U
(4V)	71-43-2	benzene	5 U
(6V)	56-23-5	carbon tetrachloride	5 U
(7V)	108-90-7	chlorobenzene	5 U
(10V)	107-06-2	1,2-dichloroethane	1 U
(11V)	71-55-6	1,1,1-trichloroethane	5 U
(13V)	75-34-3	1,1-dichloroethane	5 U
(14V)	79-00-5	1,1,2-trichloroethane	5 U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10 U
(16V)	75-00-3	chloroethane	10 U
(19V)	110-75-8	2-chloroethylvinyl ether	10 U
(23V)	67-66-3	chloroform	5 U
(29V)	75-35-4	1,1-dichloroethene	5 U
(30V)	156-60-5	trans-1,2-dichloroethene	5 U
(32V)	78-87-5	1,2-dichloropropane	10 U
(33V)	10061-02-6	trans-1,3-dichloropropene	5 U
	10061-01-05	cis-1,3-dichloropropene	5 U
(38V)	100-41-4	ethylbenzene	5 U
(44V)	75-09-2	methylene chloride	2 K
(45V)	74-87-3	chloromethane	10 U
(46V)	74-83-9	bromomethane	10 U
(47V)	75-25-2	bromoform	10 U
(48V)	75-27-4	bromodichloromethane	5 U
(49V)	75-69-4	fluorotrichloromethane	10 U
(50V)	75-71-8	dichlorodifluoromethane	10 U
(51V)	124-48-1	chlorodibromomethane	5 U
(85V)	127-18-4	tetrachloroethene	5 U
(86V)	108-88-3	toluene	5 U
(87V)	79-01-6	trichloroethene	5 U
(88V)	75-01-4	vinyl chloride	10 U
	67-64-1	acetone	22 20
	78-93-3	2-butanone	5 U
	75-15-0	carbondisulfide	1 U
	519-78-6	2-hexanone	5 U
	108-10-1	4-methyl-2-pentanone	5 U
	100-42-5	styrene	5 U
	108-05-4	vinyl acetate	5 U
	1330-20-7	total xylenes	5 U

PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 5/2/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: X1

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PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.005 U
(90P)	60-57-1	dieldrin	0.005 U
(91P)	57-74-9	chlordane	0.05 U
(92P)	50-29-3	4,4'-DDT	0.01 U
(93P)	72-55-9	4,4'-DDE	0.005 U
(94P)	72-54-8	4,4'-DDD	0.01 U
(95P)	115-29-7	α-endosulfan	0.005 U
(96P)	115-29-7	β-endosulfan	0.005 U
(97P)	1031-07-8	endosulfan sulfate	0.01 U
(98P)	72-20-8	endrin	0.005 U
(99P)	7421-93-4	endrin aldehyde	0.01 U
(100P)	76-44-8	heptachlor	0.005 U
(101P)	1024-57-3	heptachlor epoxide	0.005 U
(102P)	319-84-6	α-BHC	0.005 U
(103P)	319-85-7	β-BHC	0.005 U
(104P)	319-86-8	δ-BHC	0.005 U
(105P)	58-89-9	γ-BHC (lindane)	0.005 U
(106P)	53469-21-9	PCB-1242	0.05 U
(107P)	11097-69-1	PCB-1254	0.05 U
(108P)	11104-28-2	PCB-1221	0.1 U
(109P)	11141-16-5	PCB-1232	0.1 U
(110P)	12672-29-6	PCB-1248	0.05 U
(111P)	11096-82-5	PCB-1260	0.1 U
(112P)	12674-11-2	PCB-1016	0.1 U
(113P)	8001-35-2	toxaphene	0.2 U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE: NA
CONC./DILUTION FACTOR:

PP #	CAS #		ug/l or ug/ (circle
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

E

Laboratory Name: RMAL Case No: 2636

SDG Report No: 7043-03

000035

2. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: pm)
1.		NONE Detected	VOA		
2.					
3.					
4.		UNKNOWN	BNA	732	
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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30.					

000021

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Sample Number
E8242

84MC05516

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: ROCKY MOUNTAIN ANALYTICAL
Case No: 2636
Lab Sample ID No: 7043-04
QC Report No: 7043
Sample Matrix: WATER
Contract No.: 68-01-6738
Data Release Authorized By: John Graves
Date Sample Received: 4/13/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 5/1/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: x 1

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PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10 u
(22A)	59-50-7	p-chloro-m-cresol	10 u
(24A)	95-57-8	2- chlorophenol	10 u
(31A)	120-83-2	2,4-dichlorophenol	10 u
(34A)	105-67-9	2,4-dimethylphenol	10 u
(57A)	88-75-5	2- nitrophenol	20 u
(58A)	100-02-7	4-nitrophenol	50 u
(59A)	51-28-5	2,4-dinitrophenol	50 u
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20 u
(64A)	87-86-5	pentachlorophenol	10 u
(65A)	108-95-2	phenol	10 u
	65-85-0	benzoic acid	100 u
	95-48-7	2-methylphenol	5 u
	108-39-4	4-methylphenol	5 u
	95-95-4	2,4,5-trichlorophenol	100 u
(1B)	83-32-9	acenaphthene	10 u
(5B)	92-87-5	benzidine	40 u
(8B)	120-82-1	1,2,4-trichlorobenzene	10 u
(9B)	118-74-1	hexachlorobenzene	10 u
(12B)	67-72-1	hexachloroethane	10 u
(18B)	111-44-4	bis(2-chloroethyl)ether	10 u
(20B)	91-58-7	2-chloronaphthalene	10 u
(25B)	95-50-1	1,2-dichlorobenzene	10 u
(26B)	541-73-1	1,3-dichlorobenzene	10 u
(27B)	106-46-7	1,4-dichlorobenzene	10 u
(28B)	91-94-1	3,3'-dichlorobenzidine	20 u
(35B)	121-14-2	2,4-dinitrotoluene	20 u
(36B)	606-20-2	2,6-dinitrotoluene	20 u
(37B)	122-66-7	1,2-diphenylhydrazine	20 u
(39B)	206-44-0	fluoranthene	10 u
(40B)	7005-72-3	4-chlorophenyl phenyl ether	10 u
(41B)	101-55-3	4-bromophenyl phenyl ether	10 u
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	20 u
(43B)	111-91-1	bis (2-chloroethoxy) methane	20 u

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	10
(53B)	77-47-4	hexachlorocyclopentadiene	10
(54B)	78-59-1	isophorone	10
(55B)	91-20-3	naphthalene	10
(56B)	98-95-3	nitrobenzene	10
(61B)	62-75-9	N-nitrosodimethylamine	25
(62B)	86-30-6	N-nitrosodiphenylamine	10
(63B)	621-64-7	N-nitrosodipropylamine	10
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	38
(67B)	85-68-7	benzyl butyl phthalate	10
(68B)	84-74-2	di-n-butyl phthalate	10
(69B)	117-84-0	di-n-octyl phthalate	2
(70B)	84-66-2	diethyl phthalate	2
(71B)	131-11-3	dimethyl phthalate	10
(72B)	56-55-3	benzo(a)anthracene	10
(73B)	50-32-8	benzo(a)pyrene	20
(74B)	205-99-2	benzo(b)fluoranthene	20
(75B)	207-08-9	benzo(k)fluoranthene	20
(76B)	218-01-9	chrysene	20
(77B)	208-96-8	acenaphthylene	10
(78B)	120-12-7	anthracene	10
(79B)	191-24-2	benzo(ghi)perylene	20
(80B)	86-73-7	fluorene	10
(81B)	85-01-8	phenanthrene	10
(82B)	53-70-3	dibenzo(a,h)anthracene	20
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20
(84B)	129-00-0	pyrene	10
	62-53-3	aniline	2
	100-51-6	benzyl alcohol	2
	106-47-8	4-chloroaniline	50
	132-64-9	dibenzofuran	10
	91-57-6	2-methylnaphthalene	20
	88-74-4	2-nitroaniline	100
	99-09-2	3-nitroaniline	100
	100-01-6	4-nitroaniline	10

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000022

Sample Number
E-8242

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: RAIAL
Case No: 2636
Lab Sample ID No: 7043-04
QC Report No: 7043
Sample Matrix: LOW WATER
Contract No.: 68-01-6738
Data Release Authorized By: John Graves
Date Sample Received: 4/13/84

VOLATILES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4/17/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	~~5U~~
(44V)	75-09-2	methylene chloride	1K
(45V)	74-87-3	chloromethane	~~10U~~
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	10~~A~~U
(50V)	75-71-8	dichlorodifluoromethane	10~~A~~U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	69 ~~B~~ E
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	~~1U~~
	519-78-6	2-hexanone	5 ~~U~~ B
	108-10-1	4-methyl-2-pentanone	~~5U~~
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	2K
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 5/2/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: 1

RECEIVED MAY 17 1984

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.005U
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.05U
(92P)	50-29-3	4,4'-DDT	0.01U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.01U
(95P)	115-29-7	α-endosulfan	0.005U
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.01U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.01U
(100P)	76-44-8	heptachlor	0.005U
(101P)	1024-57-3	heptachlor epoxide	0.005U
(102P)	319-84-6	α-BHC	0.005U
(103P)	319-85-7	β-BHC	0.005U
(104P)	319-86-8	δ-BHC	0.005U
(105P)	58-89-9	γ-BHC (lindane)	0.005U
(106P)	53469-21-9	PCB-1242	0.05U
(107P)	11097-69-1	PCB-1254	0.05U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.05U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.2U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: —
PERCENT MOISTURE: NA
CONC./DILUTION FACTOR: —

PP #	CAS #		ug/l or ug/kg (circle on
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

ORGANICS ANALYSIS DATA SHEET - Page 3

000034

Sample No. E824

Laboratory Name: RMAL Case No: 2636

SDG Report No. 7043-04

II. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: pm)	Estim Concen (ug/L)
1.		NONE Detected	VOA			
2.						
3.						
4.		UNKNOWN	BNA	752		10
5.		UNKNOWN	BNA	771		14
6.	126-33-0	TETRAHYDRO-1,1-DIOXIDE THIOPHENE	BNA	875	84.9	12
7.	123-79-5	DIOCTYLESTER HEXANEDIOIC ACID	BNA	1927	83.0	~~13~~
8.		UNKNOWN	BNA	2121		15
9.						
10.						
11.						
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14.						
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28.						
29.						
30.						

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Sample Number
E8243

000023

84HC05517

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Rocky Mountain Analytical
Case No: 6 2636
Lab Sample ID No: 7043-05
QC Report No: 7043
Sample Matrix: Water
Contract No.: 68-01-6738
Data Release Authorized By: John Graves
Date Sample Received: 4/13/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: ~~5/1/84~~ 4/17/84
DATE ANALYZED: 5/1/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: x 1

RECEIVED MAY 17 1984

PP #	CAS #		(ug/l) or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10 u
(22A)	59-50-7	p-chloro-m-cresol	10 u
(24A)	95-57-8	2- chlorophenol	10 u
(31A)	120-83-2	2,4-dichlorophenol	10 u
(34A)	105-67-9	2,4-dimethylphenol	10 u
(57A)	88-75-5	2- nitrophenol	20 u
(58A)	100-02-7	4-nitrophenol	50 u
(59A)	51-28-5	2,4-dinitrophenol	50 u
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20 u
(64A)	87-86-5	pentachlorophenol	10 u
(65A)	108-95-2	phenol	10 u
	65-85-0	benzoic acid	100 u
	95-48-7	2-methylphenol	5 u
	108-39-4	4-methylphenol	5 u
	95-95-4	2,4,5-trichlorophenol	100 u
(1B)	83-32-9	acenaphthene	10 u
(5B)	92-87-5	benzidine	40 u
(8B)	120-82-1	1,2,4-trichlorobenzene	10 u
(9B)	118-74-1	hexachlorobenzene	10 u
(12B)	67-72-1	hexachloroethane	10 u
(18B)	111-44-4	bis(2-chloroethyl)ether	10 u
(20B)	91-58-7	2-chloronaphthalene	10 u
(25B)	95-50-1	1,2-dichlorobenzene	10 u
(26B)	541-73-1	1,3-dichlorobenzene	10 u
(27B)	106-46-7	1,4-dichlorobenzene	10 u
(28B)	91-94-1	3,3'-dichlorobenzidine	20 u
(35B)	121-14-2	2,4-dinitrotoluene	20 u
(36B)	606-20-2	2,6-dinitrotoluene	20 u
(37B)	122-66-7	1,2-diphenylhydrazine	20 u
(39B)	206-44-0	fluoranthene	10 u
(40B)	7005-72-3	4-chlorophenyl phenyl ether	10 u
(41B)	101-55-3	4-bromophenyl phenyl ether	10 u
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	20 u
(43B)	111-91-1	bis (2-chloroethoxy) methane	20 u

PP #	CAS #		(ug/l) or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	10
(53B)	77-47-4	hexachlorocyclopentadiene	10
(54B)	78-59-1	isophorone	10
(55B)	91-20-3	naphthalene	10
(56B)	98-95-3	nitrobenzene	10
(61B)	62-75-9	N-nitrosodimethylamine	25
(62B)	86-30-6	N-nitrosodiphenylamine	1
(63B)	621-64-7	N-nitrosodipropylamine	10
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	16
(67B)	85-68-7	benzyl butyl phthalate	10
(68B)	84-74-2	di-n-butyl phthalate	10
(69B)	117-84-0	di-n-octyl phthalate	5
(70B)	84-66-2	diethyl phthalate	2
(71B)	131-11-3	dimethyl phthalate	10
(72B)	56-55-3	benzo(a)anthracene	10
(73B)	50-32-8	benzo(a)pyrene	20
(74B)	205-99-2	benzo(b)fluoranthene	20
(75B)	207-08-9	benzo(k)fluoranthene	20
(76B)	218-01-9	chrysene	20
(77B)	208-96-8	acenaphthylene	10
(78B)	120-12-7	anthracene	10
(79B)	191-24-2	benzo(ghi)perylene	20
(80B)	86-73-7	fluorene	10
(81B)	85-01-8	phenanthrene	10
(82B)	53-70-3	dibenzo(a,h)anthracene	20
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20
(84B)	129-00-0	pyrene	10
	62-53-3	aniline	5
	100-51-6	benzyl alcohol	20
	106-47-8	4-chloroaniline	50
	132-64-9	dibenzofuran	10
	91-57-6	2-methylnaphthalene	20
	88-74-4	2-nitroaniline	100
	99-09-2	3-nitroaniline	100
	100-01-6	4-nitroaniline	100

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000024

Sample Number
E-8DV3

ORGANICS ANALYSIS DATA SHEET

.aboratory Name: RMAL
.ab Sample ID No: 7043-05
.ample Matrix: LOW WATER
.Data Release Authorized By: John Graves

Case No: 2434
QC Report No: 7043
Contract No.: 68-01-6738
Date Sample Received: 4/13/84

VOLATILES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4/18/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	10~~4~~U
(50V)	75-71-8	dichlorodifluoromethane	10~~5~~U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	370 ~~364~~ C
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	1U
	519-78-6	2-hexanone	5~~U~~ B
	108-10-1	4-methyl-2-pentanone	5~~U~~ B
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	3K
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 5/2/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: 1

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PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.005U
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.05U
(92P)	50-29-3	4,4'-DDT	0.01U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.01U
(95P)	115-29-7	α-endosulfan	0.005U
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.01U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.01U
(100P)	76-44-8	heptachlor	0.005U
(101P)	1024-57-3	heptachlor epoxide	0.005U
(102P)	319-84-6	α-BHC	0.005U
(103P)	319-85-7	β-BHC	0.005U
(104P)	319-86-8	δ-BHC	0.005U
(105P)	58-89-9	γ-BHC (lindane)	0.005U
(106P)	53469-21-9	PCB-1242	0.05U
(107P)	11097-69-1	PCB-1254	0.05U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.05U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.2U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: —
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: N/A

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

E8

Laboratory Name: RMAL Case No: 2636

SDG Report No: 7043-05

2. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: pm)
1.		NONE Detected	VOA		
2.					
3.					
4.					
5.		UNKNOWN	BNA	744	
6.	126-33-0	TETRAHYDRO-1,1-DIOXIDE THIOPHENE	BNA	882	90.7
7.	123-79-5	DIOCTYLESTER HEXANEDIOIC ACID	BNA	1927	83.2
8.		UNKNOWN	BNA	2119	
9.		UNKNOWN	BNA	2265	
10.					
11.					
12.					
13.					
14.					
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18.					
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26.					
27.					
28.					
29.					
30.					

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000025

Sample Number
E8244

84MC05518

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Rocky Mountain Analytical
Case No: 6 2636
Lab Sample ID No: 7043-06
QC Report No: 7043
Sample Matrix: Water
Contract No.: 68-01-6738
Data Release Authorized By: John Graves
Date Sample Received: 4/13/84

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SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 5/1/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: x 1

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10 u
(22A)	59-50-7	p-chloro-m-cresol	10 u
(24A)	95-57-8	2- chlorophenol	10 u
(31A)	120-83-2	2,4-dichlorophenol	10 u
(34A)	105-67-9	2,4-dimethylphenol	10 u
(57A)	88-75-5	2- nitrophenol	20 u
(58A)	100-02-7	4-nitrophenol	50 u
(59A)	51-28-5	2,4-dinitrophenol	50 u
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20 u
(64A)	87-86-5	pentachlorophenol	10 u
(65A)	108-95-2	phenol	2K
	65-85-0	benzoic acid	100 u
	95-48-7	2-methylphenol	5 u
	108-39-4	4-methylphenol	5 u
	95-95-4	2,4,5-trichlorophenol	100 u
(1B)	83-32-9	acenaphthene	10 u
(5B)	92-87-5	benzidine	40 u
(8B)	120-82-1	1,2,4-trichlorobenzene	10 u
(9B)	118-74-1	hexachlorobenzene	10 u
(12B)	67-72-1	hexachloroethane	10 u
(18B)	111-44-4	bis(2-chloroethyl)ether	10 u
(20B)	91-58-7	2-chloronaphthalene	10 u
(25B)	95-50-1	1,2-dichlorobenzene	10 u
(26B)	541-73-1	1,3-dichlorobenzene	10 u
(27B)	106-46-7	1,4-dichlorobenzene	10 u
(28B)	91-94-1	3,3'-dichlorobenzidine	20 u
(35B)	121-14-2	2,4-dinitrotoluene	20 u
(36B)	606-20-2	2,6-dinitrotoluene	20 u
(37B)	122-66-7	1,2-diphenylhydrazine	20 u
(39B)	206-44-0	fluoranthene	10 u
(40B)	7005-72-3	4-chlorophenyl phenyl ether	10 u
(41B)	101-55-3	4-bromophenyl phenyl ether	10 u
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	20 u
(43B)	111-91-1	bis (2-chloroethoxy) methane	20 u

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	10
(53B)	77-47-4	hexachlorocyclopentadiene	10
(54B)	78-59-1	isophorone	10
(55B)	91-20-3	naphthalene	10
(56B)	98-95-3	nitrobenzene	10
(61B)	62-75-9	N-nitrosodimethylamine	25
(62B)	86-30-6	N-nitrosodiphenylamine	10
(63B)	621-64-7	N-nitrosodipropylamine	10
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	2K HK
(67B)	85-68-7	benzyl butyl phthalate	10
(68B)	84-74-2	di-n-butyl phthalate	2
(69B)	117-84-0	di-n-octyl phthalate	10
(70B)	84-66-2	diethyl phthalate	2
(71B)	131-11-3	dimethyl phthalate	10
(72B)	56-55-3	benzo(a)anthracene	10
(73B)	50-32-8	benzo(a)pyrene	20
(74B)	205-99-2	benzo(b)fluoranthene	20
(75B)	207-08-9	benzo(k)fluoranthene	20
(76B)	218-01-9	chrysene	20
(77B)	208-96-8	acenaphthylene	10
(78B)	120-12-7	anthracene	10
(79B)	191-24-2	benzo(ghi)perylene	20
(80B)	86-73-7	fluorene	10
(81B)	85-01-8	phenanthrene	10
(82B)	53-70-3	dibenzo(a,h)anthracene	20
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20
(84B)	129-00-0	pyrene	10
	62-53-3	aniline	5
	100-51-6	benzyl alcohol	20
	106-47-8	4-chloroaniline	52
	132-64-9	dibenzofuran	10
	91-57-6	2-methylnaphthalene	20
	88-74-4	2-nitroaniline	100
	99-09-2	3-nitroaniline	100
	100-01-6	4-nitroaniline	100

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000026

Sample Number
E 8244

ORGANICS ANALYSIS DATA SHEET

.aboratory Name: RMAL
.ab Sample ID No: 7043-04
.ample Matrix: LOW WATER
Data Release Authorized By: John Reaves

Case No: 2636
QC Report No: 7043
Contract No.: 68-01-6738
Date Sample Received: 4/13/84

VOLATILES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4/18/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: 1

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	23 ~~5U~~
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	5U
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
(49V)	75-69-4	fluorotrichloromethane	10~~4~~U
(50V)	75-71-8	dichlorodifluoromethane	10~~4~~U
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	~~10U~~
	67-64-1	acetone	18C
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	1U
	519-78-6	2-hexanone	5UB
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	4K
	1330-20-7	total xylenes	5U

PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 5/2/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: 1

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PP #	CAS #		ug/l or ug/kg (circle on
(89P)	309-00-2	aldrin	0.005
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.05U
(92P)	50-29-3	4,4'-DDT	0.01U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.01U
(95P)	115-29-7	α-endosulfan	0.005U
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.01U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.01U
(100P)	76-44-8	heptachlor	0.005U
(101P)	1024-57-3	heptachlor epoxide	0.005U
(102P)	319-84-6	α-BHC	0.005U
(103P)	319-85-7	β-BHC	0.005U
(104P)	319-86-8	δ-BHC	0.005U
(105P)	58-89-9	γ-BHC (lindane)	0.005U
(106P)	53469-21-9	PCB-1242	0.05U
(107P)	11097-69-1	PCB-1254	0.05U
(108P)	11104-28-2	PCB-1221	0.1U
(109P)	11141-16-5	PCB-1232	0.1U
(110P)	12672-29-6	PCB-1248	0.05U
(111P)	11096-82-5	PCB-1260	0.1U
(112P)	12674-11-2	PCB-1016	0.1U
(113P)	8001-35-2	toxaphene	0.2U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: —
PERCENT MOISTURE: NA
CONC./DILUTION FACTOR: —

PP #	CAS #		ug/l or ug/ (circle
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

December 1

ORGANICS ANALYSIS DATA SHEET - Page 3 000036

Sample Number E-8244

Laboratory Name: RMAL Case No: 2636

SDG Report No: 7043-06

2. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: pm)	Estimated Concentration (ug/l or ug/g)
1.		NONe Detected	VOA			
2.						
3.						
4.						
5.		UNKNOWN	BNA	778		14
6.	126-33-0	TETRAHYDRO-1,1-DIOXIDE THIOPHENE	BNA	889	56.0	42
7.		UNKNOWN	BNA	1354		25
8.		UNKNOWN	BNA	1408		19
9.		UNKNOWN	BNA	2258		11
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U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
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000028

Sample Number
E8245

84MC05.D15

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Rocky Mountain Analytical
Case No: 2636
Lab Sample ID No: 7043-07
QC Report No: 7043
Sample Matrix: Water
Contract No.: 68-01-6738
Data Release Authorized By: John Stevens
Date Sample Received: 4/13/84

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 5/1/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: x 1

RECEIVED MAY 17 1984

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10 u
(22A)	59-50-7	p-chloro-m-cresol	10 u
(24A)	95-57-8	2- chlorophenol	10 u
(31A)	120-83-2	2,4-dichlorophenol	10 u
(34A)	105-67-9	2,4-dimethylphenol	10 u
(57A)	88-75-5	2- nitrophenol	20 u
(58A)	100-02-7	4-nitrophenol	50 u
(59A)	51-28-5	2,4-dinitrophenol	50 u
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20 u
(64A)	87-86-5	pentachlorophenol	10 u
(65A)	108-95-2	phenol	1K ~~2~~
	65-85-0	benzoic acid	100 u
	95-48-7	2-methylphenol	5 u
	108-39-4	4-methylphenol	5 u
	95-95-4	2,4,5-trichlorophenol	100 u
(1B)	83-32-9	acenaphthene	10 u
(5B)	92-87-5	benzidine	40 u
(8B)	120-82-1	1,2,4-trichlorobenzene	10 u
(9B)	118-74-1	hexachlorobenzene	10 u
(12B)	67-72-1	hexachloroethane	10 u
(18B)	111-44-4	bis(2-chloroethyl)ether	10 u
(20B)	91-58-7	2-chloronaphthalene	10 u
(25B)	95-50-1	1,2-dichlorobenzene	10 u
(26B)	541-73-1	1,3-dichlorobenzene	10 u
(27B)	106-46-7	1,4-dichlorobenzene	10 u
(28B)	91-94-1	3,3'-dichlorobenzidine	20 u
(35B)	121-14-2	2,4-dinitrotoluene	20 u
(36B)	606-20-2	2,6-dinitrotoluene	20 u
(37B)	122-66-7	1,2-diphenylhydrazine	20 u
(39B)	206-44-0	fluoranthene	10 u
(40B)	7005-72-3	4-chlorophenyl phenyl ether	10 u
(41B)	101-55-3	4-bromophenyl phenyl ether	10 u
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	20 u
(43B)	111-91-1	bis (2-chloroethoxy) methane	20 u

PP #	CAS #		ug/l or ug/kg (circle on)
(52B)	87-68-3	hexachlorobutadiene	10
(53B)	77-47-4	hexachlorocyclopentadiene	10
(54B)	78-59-1	isophorone	10
(55B)	91-20-3	naphthalene	10
(56B)	98-95-3	nitrobenzene	10
(61B)	62-75-9	N-nitrosodimethylamine	25
(62B)	86-30-6	N-nitrosodiphenylamine	10
(63B)	621-64-7	N-nitrosodipropylamine	10
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	4K ~~5~~
(67B)	85-68-7	benzyl butyl phthalate	10
(68B)	84-74-2	di-n-butyl phthalate	~~2~~
(69B)	117-84-0	di-n-octyl phthalate	3K ~~4~~
(70B)	84-66-2	diethyl phthalate	2K ~~3~~
(71B)	131-11-3	dimethyl phthalate	10
(72B)	56-55-3	benzo(a)anthracene	10
(73B)	50-32-8	benzo(a)pyrene	20
(74B)	205-99-2	benzo(b)fluoranthene	20
(75B)	207-08-9	benzo(k)fluoranthene	20
(76B)	218-01-9	chrysene	2K ~~3~~
(77B)	208-96-8	acenaphthylene	10
(78B)	120-12-7	anthracene	10
(79B)	191-24-2	benzo(ghi)perylene	20
(80B)	86-73-7	fluorene	10
(81B)	85-01-8	phenanthrene	2
(82B)	53-70-3	dibenzo(a,h)anthracene	20
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20
(84B)	129-00-0	pyrene	2
	62-53-3	aniline	5
	100-51-6	benzyl alcohol	20
	106-47-8	4-chloroaniline	50
	132-64-9	dibenzofuran	10
	91-57-6	2-methylnaphthalene	20
	88-74-4	2-nitroaniline	100
	99-09-2	3-nitroaniline	100
	100-01-6	4-nitroaniline	100

December 1983

* not listed in exhibit C

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000026

Sample Number
E8245

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: RMAL
Lab Sample ID No: 7043-07
Sample Matrix: LOW WATER
Data Release Authorized By: John Graves

Case No: 2634
QC Report No: 7043
Contract No.: 68-01-6738
Date Sample Received: 4/13/84

VOLATILES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4/18/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

PP #	CAS #		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	100 U
(3V)	107-13-1	acrylonitrile	100 U
(4V)	71-43-2	benzene	5 U
(6V)	56-23-5	carbon tetrachloride	5 U
(7V)	108-90-7	chlorobenzene	5 U
(10V)	107-06-2	1,2-dichloroethane	1 U
(11V)	71-55-6	1,1,1-trichloroethane	5 U
(13V)	75-34-3	1,1-dichloroethane	5 U
(14V)	79-00-5	1,1,2-trichloroethane	5 U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10 U
(16V)	75-00-3	chloroethane	10 U
(19V)	110-75-8	2-chloroethylvinyl ether	10 U
(23V)	67-66-3	chloroform	5 U
(29V)	75-35-4	1,1-dichloroethene	5 U
(30V)	156-60-5	trans-1,2-dichloroethene	5 U
(32V)	78-87-5	1,2-dichloropropane	10 U
(33V)	10061-02-6	trans-1,3-dichloropropene	5 U
	10061-01-05	cis-1,3-dichloropropene	5 U
(38V)	100-41-4	ethylbenzene	5 U
(44V)	75-09-2	methylene chloride	5 U
(45V)	74-87-3	chloromethane	10 U
(46V)	74-83-9	bromomethane	10 U
(47V)	75-25-2	bromoform	10 U
(48V)	75-27-4	bromodichloromethane	5 U
(49V)	75-69-4	fluorotrichloromethane	10 U
(50V)	75-71-8	dichlorodifluoromethane	10 U
(51V)	124-48-1	chlorodibromomethane	5 U
(85V)	127-18-4	tetrachloroethene	5 U
(86V)	108-88-3	toluene	5 U
(87V)	79-01-6	trichloroethene	5 U
(88V)	75-01-4	vinyl chloride	10 U
	67-64-1	acetone	3 K
	78-93-3	2-butanone	5 U
	75-15-0	carbondisulfide	1 U
	519-78-6	2-hexanone	5 U B
	108-10-1	4-methyl-2-pentanone	5 U
	100-42-5	styrene	5 U
	108-05-4	vinyl acetate	5 U
	1330-20-7	total xylenes	5 U

PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4/17/84
DATE ANALYZED: 5/2/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: x1

RECEIVED MAY 17 1984

PP #	CAS #		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.005
(90P)	60-57-1	dieldrin	0.005 U
(91P)	57-74-9	chlordane	0.05 U
(92P)	50-29-3	4,4'-DDT	0.01 U
(93P)	72-55-9	4,4'-DDE	0.005 U
(94P)	72-54-8	4,4'-DDD	0.01 U
(95P)	115-29-7	α-endosulfan	0.005
(96P)	115-29-7	β-endosulfan	0.005
(97P)	1031-07-8	endosulfan sulfate	0.01 U
(98P)	72-20-8	endrin	0.005
(99P)	7421-93-4	endrin aldehyde	0.01 U
(100P)	76-44-8	heptachlor	0.005 U
(101P)	1024-57-3	heptachlor epoxide	0.005 U
(102P)	319-84-6	α-BHC	0.005
(103P)	319-85-7	β-BHC	0.005 U
(104P)	319-86-8	δ-BHC	0.005 U
(105P)	58-89-9	γ-BHC (lindane)	0.005
(106P)	53469-21-9	PCB-1242	0.05 U
(107P)	11097-69-1	PCB-1254	0.05 U
(108P)	11104-28-2	PCB-1221	0.1 U
(109P)	11141-16-5	PCB-1232	0.1 U
(110P)	12672-29-6	PCB-1248	0.05 U
(111P)	11096-82-5	PCB-1260	0.1 U
(112P)	12674-11-2	PCB-1016	0.1 U
(113P)	8001-35-2	toxaphene	0.2 U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: —
PERCENT MOISTURE: NA
CONC./DILUTION FACTOR: —

PP #	CAS #		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	

ORGANICS ANALYSIS DATA SHEET - Page 3

000031

Sample Number: E-8245

Laboratory Name: RMAL Case No: 7636

SDG Report No: 7043-07

2. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: PURITY)	Estimate Concentration (ug/l) or ug
1.	75-85-4	2-METHYL-2-BUTANOL	VOA	296	89.6	25
2.						
3.						
4.		UNKNOWN	BNA	777		~~48~~ 2
5.	126-33-0	TETRAHYDRO-1,1-DIOXIDE THIOPHENE	BNA	888	86.1	~~49~~ 6
6.		UNKNOWN	BNA	1088		13
7.		UNKNOWN	BNA	1252		12
8.		UNKNOWN	BNA	1938		13
9.		UNKNOWN	BNA	2121		244
10.		UNKNOWN	BNA	2155		21
11.		UNKNOWN	BNA	2287		18
12.		UNKNOWN	BNA	2462		27
13.		UNKNOWN	BNA	2655		40
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4

Laboratory Name: RMAL Case No: 2636
QC Report No: 7043-BLANK 1

5. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: pm)
1.		None Detected	VOA	/	
2.					
3.					
4.					
5.		UNKNOWN	BNA	731	
6.		~~UNKNOWN~~	~~BNA~~	~~1692~~	
7.					
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ORGANICS ANALYSIS DATA SHEET - Page 3 000030

Sample Number: Low Water Blank 2

Laboratory Name: RMAL Case No: 2636

QC Report No: 7043-BLANK 2

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: ____)	Estimated Concentration (ug/L or
1.		None Detected	VOA			
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FORM II (continued)