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UCAR CARBON COMPANY INC. P.O. BOX 887, NIAGARA FALLS, NEW YORK 14302

April 8, 1994

Mr. Peter J. Buechi, PE
Regional Engineer
NYS Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203-2999

RE: Quarterly Report of Groundwater Analysis
Republic Solid Waste Management Facility
Post-Closure Monitoring Program

Dear Mr. Buechi:

I am enclosing a copy of the twenty-fourth quarter's groundwater sampling analysis from the closed Republic Waste Management Facility. Bedrock well, BW-4-86, continues to demonstrate some slight volatile organic contamination in the less than one part per million range.

The following will summarize the positive organic parameters:

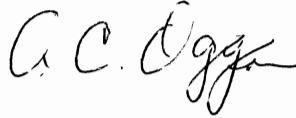
<u>Contaminate</u>	<u>Conc. 24th</u> <u>Qtr. ppb.</u>	<u>Mean Conc.</u> <u>ppb.</u>	<u>Range</u> <u>ppb</u>
Vinyl Chloride	65	95	29-300
Trans-1,2-Dichloroethene	160	371	6-1000
Trichloroethene	70	309	30-740
Tetrachloroethene	51	267	72-440
Hexachlorobutadiene	21	51	10-160

UCAR Carbon Company Inc. continues to maintain the position that this contamination at well, BW-4-86 is not related to the closed Republic Waste Management Facility given the fact that downgradient bedrock well, BW-6-86, continues to show no contamination.

Letter to Peter J. Buechi
April 8, 1994
Page 2

If you have any questions, please contact me at 278-3275.

Very truly yours,

A handwritten signature in cursive script, appearing to read "A.C. Ogg".

A.C. Ogg
Site Manager

A.C. Ogg
nm
enc.

cc: Mr. Jim Devald, Dir. of Environmental Health
Niagara County Health Department
P.O. Box 428
Niagara Falls, N.Y. 14302-0428

Mr. Dave O'Toole
New York Department of Environmental Conservation
50 Wolf Road
Albany, N.Y. 12233-4013

UCAR CARBON COMPANY, INCORPORATED

REPUBLIC WASTE MANAGEMENT FACILITY

POST CLOSURE MONITORING PROGRAM

QUARTERLY REPORT

Prepared By:

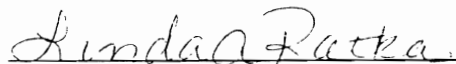


"A Company Dedicated to Honesty, Quality and Service"

April 5, 1994
REF: CTC41LP/100B

QA/QC VERIFICATION FOR PROJECT ID 41LP

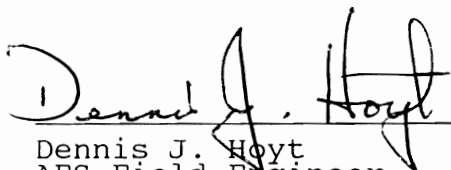
The following report, as well as the supporting data, have been carefully reviewed for accuracy, adherence to the cited methods, and completeness. All data contained in this report was generated in accordance with the AES Laboratory Quality Assurance/Quality Control Program.



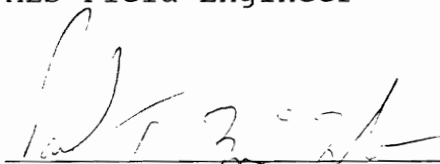
Linda A. Ratka
Inorganic Senior Technician



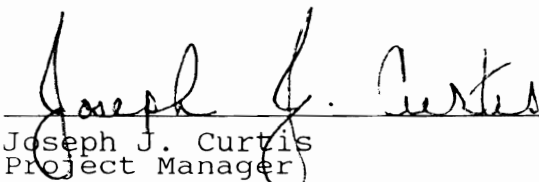
Mario Montesdeoca
Laboratory Manager



Dennis J. Hoyt
AES Field Engineer



Paul T. McMahon
Quality Control Officer



Joseph J. Curtis
Project Manager

All 'Total' results on soil matrices are calculated on a dry weight basis, unless otherwise noted. Analyses noted as 'Performed in the laboratory' require immediate testing and should be performed in the field.

The following are standard abbreviations:

BQL - Below Quantifiable Limits
ND - None Detected
NG - No Growth of Colonies
NR - Not Requested

Advanced Environmental Services, Inc.

2186 Liberty Drive
Niagara Falls, New York 14304
(716) 283-3120

QUARTERLY GROUNDWATER MONITORING - WELL INFORMATION

March 15, 1994 thru March 18, 1994

UCAR CARBON COMPANY, INC.

Hyde Park Boulevard
Niagara Falls, New York

AES Code: CTC

Project I.D. # 41LP

Monitoring Well I.D.	Evacuation Date	Top of Inner Casing Elevation (ft.)	Monitoring Well Diameter	Water Level (ft.)	Water Elevation (ft.)	Bottom of Well (ft.)	Volume of Standing Water (gallons)	Volume of Evacuated Water (gallons)	Recharge Rate
BW-1	3/15/94	610.72	4	14.06	596.66	34.50	13.34	41.0	C
BW-2	3/15/94	608.43	4	11.50	596.93	35.00	15.34	46.0	C
BW-3	3/16/94	604.72	4	5.35	599.37	22.40	11.13	35.0	C
BW-4	3/16/94	607.08	4	6.71	600.37	25.00	11.94	70.0	C
BW-5 **	3/16-17/94	603.33	4	4.08	599.25	24.90	13.59	42.0	C
BW-6 **	3/17-18/94	607.04	4	14.07	592.97	32.90	12.29	42.0	C
MW-1	3/15/94	609.43	2	10.30	599.13	21.10	1.76	2.5 (Dry)	S
MW-2	3/15/94	607.54	2	24.20	583.34	24.60	0.07	.05 (DRY)	VS
MW-3	3/17/94	601.61	2	4.34	597.27	15.25	1.78	6.0	R
OW-1 SOUTH	3/17/94	608.81	2	5.28	603.53	8.70	0.56	NR	N/A
OW-2 NORTH	3/17/94	607.06	2	5.22	601.84	9.74	0.74	NR	N/A

** Due to pump failure, wells BW-5 and BW-6 were purged over two consecutive days.

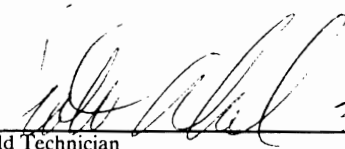
Abbreviations:

VS = Very Slow ----- Recharge Rate longer than 24 hr period.

S = Slow ----- Recharge Rate within 24 hr period.

R = Rapid ----- Recharge Rate within 1 hr period.

C = Continuous ---- Recharge Rate immediate.


Field Technician

3 3-94
Date

Advanced Environmental Services, Inc.

2186 Liberty Drive
Niagara Falls, New York 14304
(716) 283-3120

QUARTERLY GROUNDWATER MONITORING - FIELD PARAMETER INFORMATION
March 15, 1994 thru March 18, 1994

UCAR CARBON COMPANY, INC.

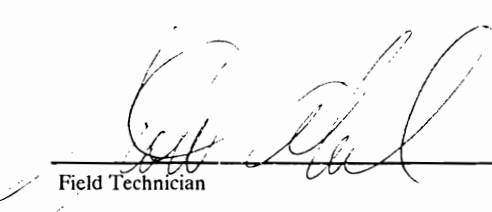
Hyde Park Boulevard
Niagara Falls, New York

AES Code: CTC

Project I.D. #41LP

Monitoring Well I.D.	Sampling Date	Sampling Time	Water Level (ft.)	Turbidity (NTU)	Filter Time	Field Comments/Observations
BW-1	3/15/94	2:05 PM	14.30	48.5	2:05 PM	Slightly turbid tan.
BW-2	3/15/94	3:20 PM	11.66	0.85	3:20 PM	Clear with a strong odor.
BW-3	3/16/94	2:50 PM	5.37	28.4	2:50 PM	Cloudy with a slight odor.
BW-4	3/16/94	12:30 PM	6.73	1.13	12:30 PM	Clear with a sulfur odor.
BW-5	3/17/94	2:00 PM	4.15	1.05	2:00 PM	Clear
BW-6	3/18/94	2:35 PM	16.54	23.5	2:35 PM	Slightly turbid tan.
MW-1	3/16/94	1:00 PM	10.21	32.5	5:00 PM	Clear to slightly turbid tan.
MW-2**	3/17/94	3:05 PM	24.30	173.50	**	Cloudy with black solids.
MW-3	3/17/94	2:46 PM	13.05	220	4:40 PM	Turbid tan.
OW-1 South	3/17/94	3:20 PM	5.28	NA	NA	Required to take water elevation only.
OW-2 North	3/17/94	3:25 PM	5.22	NA	NA	Required to take water elevation only.
Blind Dup	3/16/94	12:30 PM	6.73	4.95	12:30 PM	Clear with a sulfur odor.
Trip Blank	3/18/94	12:15 PM	NA	0.23	NA	Deionized Water

** Insufficient volume and recharge rate to collect for Total & Soluble Metals. Sufficient volume did exist to collect Ammonia, TKN, Nitrate, & Turbidity.
The Blind Duplicate site is BW-4.


Field Technician

3-31-94
Date

CLIENT: Ucar Carbon Company, Incorporated
SAMPLE ID: MW-1
COLLECTION METHOD: GRAB
COLLECTION DATE(S): 03/16/94
SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
AES SAMPLE ID: 41LP-1

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	32.5	NTU	0.1	EPA 180.1
Ammonia	8.0	mg/L	0.10	EPA 350.1
Nitrite	BQL	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	8.0	mg/L	0.1	EPA 351.2
Total Iron	10.7	mg/L	0.05	EPA 200.7
Soluble Iron	BQL	mg/L	0.05	EPA 200.7
Total Potassium	33	mg/L	1.0	EPA 200.7
Soluble Potassium	33	mg/L	1.0	EPA 200.7
Total Zinc	0.09	mg/L	0.02	EPA 200.7
Soluble Zinc	0.02	mg/L	0.02	EPA 200.7

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated
SAMPLE ID: MW-3
COLLECTION METHOD: GRAB
COLLECTION DATE(S): 03/17/94
SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
AES SAMPLE ID: 41LP-2

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	220	NTU	0.1	EPA 180.1
Ammonia	BQL	mg/L	0.10	EPA 350.1
Nitrite	BQL	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	0.30	mg/L	0.1	EPA 351.2
Total Iron	13	mg/L	0.05	EPA 200.7
Soluble Iron	BQL	mg/L	0.05	EPA 200.7
Total Potassium	5.3	mg/L	1.0	EPA 200.7
Soluble Potassium	BQL	mg/L	1.0	EPA 200.7
Total Zinc	0.06	mg/L	0.02	EPA 200.7
Soluble Zinc	BQL	mg/L	0.02	EPA 200.7

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated
SAMPLE ID: BW-1
COLLECTION METHOD: GRAB
COLLECTION DATE(S): 03/15/94
SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
AES SAMPLE ID: 41LP-3

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	48.5	NTU	0.1	EPA 180.1
Ammonia	0.49	mg/L	0.10	EPA 350.1
Nitrite	BQL	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	0.70	mg/L	0.1	EPA 351.2
Total Iron	4.2	mg/L	0.05	EPA 200.7
Soluble Iron	1.0	mg/L	0.05	EPA 200.7
Total Potassium	2.4	mg/L	1.0	EPA 200.7
Soluble Potassium	2.7	mg/L	1.0	EPA 200.7
Total Zinc	1.1	mg/L	0.02	EPA 200.7
Soluble Zinc	1.0	mg/L	0.02	EPA 200.7

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated
SAMPLE ID: BW-2
COLLECTION METHOD: GRAB
COLLECTION DATE(S): 03/15/94
SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
AES SAMPLE ID: 41LP-4

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	0.85	NTU	0.1	EPA 180.1
Ammonia	2.1	mg/L	0.10	EPA 350.1
Nitrite	BQL	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	1.8	mg/L	0.1	EPA 351.2
Total Iron	1.8	mg/L	0.05	EPA 200.7
Soluble Iron	1.7	mg/L	0.05	EPA 200.7
Total Potassium	6.4	mg/L	1.0	EPA 200.7
Soluble Potassium	7.2	mg/L	1.0	EPA 200.7
Total Zinc	0.09	mg/L	0.02	EPA 200.7
Soluble Zinc	0.03	mg/L	0.02	EPA 200.7

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated
SAMPLE ID: BW-3
COLLECTION METHOD: GRAB
COLLECTION DATE(S): 03/16/94
SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
AES SAMPLE ID: 41LP-5

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	28.4	NTU	0.1	EPA 180.1
Ammonia	0.20	mg/L	0.10	EPA 350.1
Nitrite	BQL	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	0.20	mg/L	0.1	EPA 351.2
Total Iron	1.0	mg/L	0.05	EPA 200.7
Soluble Iron	0.18	mg/L	0.05	EPA 200.7
Total Potassium	BQL	mg/L	1.0	EPA 200.7
Soluble Potassium	1.5	mg/L	1.0	EPA 200.7
Total Zinc	2.8	mg/L	0.02	EPA 200.7
Soluble Zinc	0.78	mg/L	0.02	EPA 200.7

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BW-4
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/16/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-6

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	1.13	NTU	0.1	EPA 180.1
Ammonia	2.9	mg/L	0.10	EPA 350.1
Nitrite	BQL	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	3.2	mg/L	0.1	EPA 351.2
Total Iron	2.3	mg/L	0.05	EPA 200.7
Soluble Iron	2.2	mg/L	0.05	EPA 200.7
Total Potassium	8.6	mg/L	1.0	EPA 200.7
Soluble Potassium	9.1	mg/L	1.0	EPA 200.7
Total Zinc	0.17	mg/L	0.02	EPA 200.7
Soluble Zinc	0.10	mg/L	0.02	EPA 200.7
Chloromethane	BQL	µg/L	10	SW 846 8240
Bromomethane	BQL	µg/L	10	SW 846 8240
Vinyl chloride	65	µg/L	10	SW 846 8240
Chloroethane	BQL	µg/L	10	SW 846 8240
Methylene chloride	BQL	µg/L	10	SW 846 8240
Acetone	BQL	µg/L	10	SW 846 8240
Carbon disulfide	BQL	µg/L	10	SW 846 8240
1,1-Dichloroethene	BQL	µg/L	10	SW 846 8240
1,1-Dichloroethane	BQL	µg/L	10	SW 846 8240
trans-1,2-Dichloroethene	160	µg/L	10	SW 846 8240
Chloroform	BQL	µg/L	10	SW 846 8240
1,2-Dichloroethane	BQL	µg/L	10	SW 846 8240
2-Butanone	BQL	µg/L	10	SW 846 8240
1,1,1-Trichloroethane	BQL	µg/L	10	SW 846 8240
Carbon tetrachloride	BQL	µg/L	10	SW 846 8240
Vinyl acetate	BQL	µg/L	10	SW 846 8240
Bromodichloromethane	BQL	µg/L	10	SW 846 8240
1,2-Dichloropropane	BQL	µg/L	10	SW 846 8240

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BW-4
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/16/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-6

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
cis-1,3-Dichloropropene	BQL	µg/L	10	SW 846 8240
Trichloroethene	70	µg/L	10	SW 846 8240
Benzene	BQL	µg/L	10	SW 846 8240
trans-1,3-Dichloropropene	BQL	µg/L	10	SW 846 8240
Chlorodibromomethane	BQL	µg/L	10	SW 846 8240
1,1,2-Trichloroethane	BQL	µg/L	10	SW 846 8240
Bromoform	BQL	µg/L	10	SW 846 8240
4-Methyl-2-pentanone	BQL	µg/L	10	SW 846 8240
2-Hexanone	BQL	µg/L	10	SW 846 8240
Tetrachloroethene	51	µg/L	10	SW 846 8240
1,1,2,2-Tetrachloroethane	BQL	µg/L	10	SW 846 8240
Toluene	BQL	µg/L	10	SW 846 8240
Chlorobenzene	BQL	µg/L	10	SW 846 8240
Ethylbenzene	BQL	µg/L	10	SW 846 8240
Styrene	BQL	µg/L	10	SW 846 8240
m-Xylene	BQL	µg/L	10	SW 846 8240
o/p-Xylene	BQL	µg/L	10	SW 846 8240
bis(2-chloroethyl)ether	BQL	µg/L	10	SW 846 8270
1,3-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
1,4-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
Benzyl alcohol	BQL	µg/L	10	SW 846 8270
1,2-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
bis(2-chloroisopropyl)ether	BQL	µg/L	10	SW 846 8270
n-Nitrosodi-n-propylamine	BQL	µg/L	10	SW 846 8270
Hexachloroethane	BQL	µg/L	10	SW 846 8270
Nitrobenzene	BQL	µg/L	10	SW 846 8270
Isophorone	BQL	µg/L	10	SW 846 8270
bis(2-chloroethoxy)methane	BQL	µg/L	10	SW 846 8270
1,2,4-Trichlorobenzene	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BW-4
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/16/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-6

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Naphthalene	BQL	µg/L	10	SW 846 8270
4-Chloroaniline	BQL	µg/L	10	SW 846 8270
Hexachlorobutadiene	21	µg/L	10	SW 846 8270
2-Methylnaphthalene	BQL	µg/L	10	SW 846 8270
Hexachlorocyclopentadiene	BQL	µg/L	10	SW 846 8270
2-Chloronaphthalene	BQL	µg/L	10	SW 846 8270
2-Nitroaniline	BQL	µg/L	10	SW 846 8270
Dimethyl phthalate	BQL	µg/L	10	SW 846 8270
2,6-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Acenaphthylene	BQL	µg/L	10	SW 846 8270
3-Nitroaniline	BQL	µg/L	10	SW 846 8270
Acenaphthene	BQL	µg/L	10	SW 846 8270
2,4-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Dibenzofuran	BQL	µg/L	10	SW 846 8270
Diethyl phthalate	BQL	µg/L	10	SW 846 8270
4-Chlorophenyl phenyl ether	BQL	µg/L	10	SW 846 8270
Fluorene	BQL	µg/L	10	SW 846 8270
4-Nitroaniline	BQL	µg/L	10	SW 846 8270
n-Nitrosodiphenylamine	BQL	µg/L	10	SW 846 8270
4-Bromophenyl phenyl ether	BQL	µg/L	10	SW 846 8270
Hexachlorobenzene	BQL	µg/L	10	SW 846 8270
Phenanthrene	BQL	µg/L	10	SW 846 8270
Anthracene	BQL	µg/L	10	SW 846 8270
di-n-Butylphthalate	BQL	µg/L	10	SW 846 8270
Fluoranthene	BQL	µg/L	10	SW 846 8270
Pyrene	BQL	µg/L	10	SW 846 8270
Butyl benzyl phthalate	BQL	µg/L	10	SW 846 8270
3,3'-Dichlorobenzidine	BQL	µg/L	10	SW 846 8270
bis(2ethylhexyl)phthalate	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BW-4
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/16/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-6

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Benzo(a)anthracene	BQL	µg/L	10	SW 846 8270
Chrysene	BQL	µg/L	10	SW 846 8270
di-n-Octylphthalate	BQL	µg/L	10	SW 846 8270
Benzo(b)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(k)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(a)pyrene	BQL	µg/L	10	SW 846 8270
Indeno(1,2,3-cd)pyrene	BQL	µg/L	10	SW 846 8270
Dibenzo(a,h)anthracene	BQL	µg/L	10	SW 846 8270
Benzo(g,h,i)perylene	BQL	µg/L	10	SW 846 8270
Phenol	BQL	µg/L	10	SW 846 8270
2-Chlorophenol	BQL	µg/L	10	SW 846 8270
2-Methylphenol	BQL	µg/L	10	SW 846 8270
4-Methylphenol	BQL	µg/L	10	SW 846 8270
2-Nitrophenol	BQL	µg/L	10	SW 846 8270
2,4-Dimethylphenol	BQL	µg/L	10	SW 846 8270
Benzoic acid	BQL	µg/L	10	SW 846 8270
2,4-Dichlorophenol	BQL	µg/L	10	SW 846 8270
4-Chloro-3-methylphenol	BQL	µg/L	10	SW 846 8270
2,4,6-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4,5-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4-Dinitrophenol	BQL	µg/L	10	SW 846 8270
4-Nitrophenol	BQL	µg/L	10	SW 846 8270
4,6-Dinitro-2-methylphenol	BQL	µg/L	10	SW 846 8270
Pentachlorophenol	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
SAMPLE ID: BW-5
COLLECTION METHOD: GRAB
COLLECTION DATE(S): 03/17/94
SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
AES SAMPLE ID: 41LP-7

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	1.05	NTU	0.1	EPA 180.1
Ammonia	0.15	mg/L	0.10	EPA 350.1
Nitrite	BQL	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	0.20	mg/L	0.1	EPA 351.2
Total Iron	0.80	mg/L	0.05	EPA 200.7
Soluble Iron	1.0	mg/L	0.05	EPA 200.7
Total Potassium	2.5	mg/L	1.0	EPA 200.7
Soluble Potassium	2.5	mg/L	1.0	EPA 200.7
Total Zinc	0.09	mg/L	0.02	EPA 200.7
Soluble Zinc	0.10	mg/L	0.02	EPA 200.7

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BW-6
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/18/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-8

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	23.5	NTU	0.1	EPA 180.1
Ammonia	0.25	mg/L	0.10	EPA 350.1
Nitrite	BQL	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	0.20	mg/L	0.1	EPA 351.2
Total Iron	5.7	mg/L	0.05	EPA 200.7
Soluble Iron	3.6	mg/L	0.05	EPA 200.7
Total Potassium	1.5	mg/L	1.0	EPA 200.7
Soluble Potassium	1.7	mg/L	1.0	EPA 200.7
Total Zinc	BQL	mg/L	0.02	EPA 200.7
Soluble Zinc	BQL	mg/L	0.02	EPA 200.7
Chloromethane	BQL	µg/L	10	SW 846 8240
Bromomethane	BQL	µg/L	10	SW 846 8240
Vinyl chloride	BQL	µg/L	10	SW 846 8240
Chloroethane	BQL	µg/L	10	SW 846 8240
Methylene chloride	BQL	µg/L	10	SW 846 8240
Acetone	BQL	µg/L	10	SW 846 8240
Carbon disulfide	BQL	µg/L	10	SW 846 8240
1,1-Dichloroethene	BQL	µg/L	10	SW 846 8240
1,1-Dichloroethane	BQL	µg/L	10	SW 846 8240
trans-1,2-Dichloroethene	BQL	µg/L	10	SW 846 8240
Chloroform	BQL	µg/L	10	SW 846 8240
1,2-Dichloroethane	BQL	µg/L	10	SW 846 8240
2-Butanone	BQL	µg/L	10	SW 846 8240
1,1,1-Trichloroethane	BQL	µg/L	10	SW 846 8240
Carbon tetrachloride	BQL	µg/L	10	SW 846 8240
Vinyl acetate	BQL	µg/L	10	SW 846 8240
Bromodichloromethane	BQL	µg/L	10	SW 846 8240
1,2-Dichloropropane	BQL	µg/L	10	SW 846 8240

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BW-6
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/18/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-8

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
cis-1,3-Dichloropropene	BQL	µg/L	10	SW 846 8240
Trichloroethene	BQL	µg/L	10	SW 846 8240
Benzene	BQL	µg/L	10	SW 846 8240
trans-1,3-Dichloropropene	BQL	µg/L	10	SW 846 8240
Chlorodibromomethane	BQL	µg/L	10	SW 846 8240
1,1,2-Trichloroethane	BQL	µg/L	10	SW 846 8240
Bromoform	BQL	µg/L	10	SW 846 8240
4-Methyl-2-pentanone	BQL	µg/L	10	SW 846 8240
2-Hexanone	BQL	µg/L	10	SW 846 8240
Tetrachloroethene	BQL	µg/L	10	SW 846 8240
1,1,2,2-Tetrachloroethane	BQL	µg/L	10	SW 846 8240
Toluene	BQL	µg/L	10	SW 846 8240
Chlorobenzene	BQL	µg/L	10	SW 846 8240
Ethylbenzene	BQL	µg/L	10	SW 846 8240
Styrene	BQL	µg/L	10	SW 846 8240
m-Xylene	BQL	µg/L	10	SW 846 8240
o/p-Xylene	BQL	µg/L	10	SW 846 8240
bis(2-chloroethyl)ether	BQL	µg/L	10	SW 846 8270
1,3-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
1,4-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
Benzyl alcohol	BQL	µg/L	10	SW 846 8270
1,2-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
bis(2-chloroisopropyl)ether	BQL	µg/L	10	SW 846 8270
n-Nitrosodi-n-propylamine	BQL	µg/L	10	SW 846 8270
Hexachloroethane	BQL	µg/L	10	SW 846 8270
Nitrobenzene	BQL	µg/L	10	SW 846 8270
Isophorone	BQL	µg/L	10	SW 846 8270
bis(2-chloroethoxy)methane	BQL	µg/L	10	SW 846 8270
1,2,4-Trichlorobenzene	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BW-6
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/18/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-8

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Naphthalene	BQL	µg/L	10	SW 846 8270
4-Chloroaniline	BQL	µg/L	10	SW 846 8270
Hexachlorobutadiene	BQL	µg/L	10	SW 846 8270
2-Methylnaphthalene	BQL	µg/L	10	SW 846 8270
Hexachlorocyclopentadiene	BQL	µg/L	10	SW 846 8270
2-Chloronaphthalene	BQL	µg/L	10	SW 846 8270
2-Nitroaniline	BQL	µg/L	10	SW 846 8270
Dimethyl phthalate	BQL	µg/L	10	SW 846 8270
2,6-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Acenaphthylene	BQL	µg/L	10	SW 846 8270
3-Nitroaniline	BQL	µg/L	10	SW 846 8270
Acenaphthene	BQL	µg/L	10	SW 846 8270
2,4-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Dibenzofuran	BQL	µg/L	10	SW 846 8270
Diethyl phthalate	BQL	µg/L	10	SW 846 8270
4-Chlorophenyl phenyl ether	BQL	µg/L	10	SW 846 8270
Fluorene	BQL	µg/L	10	SW 846 8270
4-Nitroaniline	BQL	µg/L	10	SW 846 8270
n-Nitrosodiphenylamine	BQL	µg/L	10	SW 846 8270
4-Bromophenyl phenyl ether	BQL	µg/L	10	SW 846 8270
Hexachlorobenzene	BQL	µg/L	10	SW 846 8270
Phenanthrene	BQL	µg/L	10	SW 846 8270
Anthracene	BQL	µg/L	10	SW 846 8270
di-n-Butylphthalate	BQL	µg/L	10	SW 846 8270
Fluoranthene	BQL	µg/L	10	SW 846 8270
Pyrene	BQL	µg/L	10	SW 846 8270
Butyl benzyl phthalate	BQL	µg/L	10	SW 846 8270
3,3'-Dichlorobenzidine	BQL	µg/L	10	SW 846 8270
bis(2ethylhexyl)phthalate	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BW-6
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/18/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-8

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Benzo(a)anthracene	BQL	µg/L	10	SW 846 8270
Chrysene	BQL	µg/L	10	SW 846 8270
di-n-Octylphthalate	BQL	µg/L	10	SW 846 8270
Benzo(b)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(k)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(a)pyrene	BQL	µg/L	10	SW 846 8270
Indeno(1,2,3-cd)pyrene	BQL	µg/L	10	SW 846 8270
Dibenzo(a,h)anthracene	BQL	µg/L	10	SW 846 8270
Benzo(g,h,i)perylene	BQL	µg/L	10	SW 846 8270
Phenol	BQL	µg/L	10	SW 846 8270
2-Chlorophenol	BQL	µg/L	10	SW 846 8270
2-Methylphenol	BQL	µg/L	10	SW 846 8270
4-Methylphenol	BQL	µg/L	10	SW 846 8270
2-Nitrophenol	BQL	µg/L	10	SW 846 8270
2,4-Dimethylphenol	BQL	µg/L	10	SW 846 8270
Benzoic acid	BQL	µg/L	10	SW 846 8270
2,4-Dichlorophenol	BQL	µg/L	10	SW 846 8270
4-Chloro-3-methylphenol	BQL	µg/L	10	SW 846 8270
2,4,6-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4,5-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4-Dinitrophenol	BQL	µg/L	10	SW 846 8270
4-Nitrophenol	BQL	µg/L	10	SW 846 8270
4,6-Dinitro-2-methylphenol	BQL	µg/L	10	SW 846 8270
Pentachlorophenol	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BLIND DUPLICATE
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/16/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-9

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	4.95	NTU	0.1	EPA 180.1
Ammonia	3.06	mg/L	0.10	EPA 350.1
Nitrite	BQL	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	3.2	mg/L	0.1	EPA 351.2
Total Iron	2.5	mg/L	0.05	EPA 200.7
Soluble Iron	2.2	mg/L	0.05	EPA 200.7
Total Potassium	9.1	mg/L	1.0	EPA 200.7
Soluble Potassium	8.7	mg/L	1.0	EPA 200.7
Total Zinc	0.19	mg/L	0.02	EPA 200.7
Soluble Zinc	0.11	mg/L	0.02	EPA 200.7
Chloromethane	BQL	µg/L	10	SW 846 8240
Bromomethane	BQL	µg/L	10	SW 846 8240
Vinyl chloride	73	µg/L	10	SW 846 8240
Chloroethane	BQL	µg/L	10	SW 846 8240
Methylene chloride	BQL	µg/L	10	SW 846 8240
Acetone	BQL	µg/L	10	SW 846 8240
Carbon disulfide	BQL	µg/L	10	SW 846 8240
1,1-Dichloroethene	BQL	µg/L	10	SW 846 8240
1,1-Dichloroethane	BQL	µg/L	10	SW 846 8240
trans-1,2-Dichloroethene	170	µg/L	10	SW 846 8240
Chloroform	BQL	µg/L	10	SW 846 8240
1,2-Dichloroethane	BQL	µg/L	10	SW 846 8240
2-Butanone	BQL	µg/L	10	SW 846 8240
1,1,1-Trichloroethane	BQL	µg/L	10	SW 846 8240
Carbon tetrachloride	BQL	µg/L	10	SW 846 8240
Vinyl acetate	BQL	µg/L	10	SW 846 8240
Bromodichloromethane	BQL	µg/L	10	SW 846 8240
1,2-Dichloropropane	BQL	µg/L	10	SW 846 8240

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BLIND DUPLICATE
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/16/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-9

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
cis-1,3-Dichloropropene	BQL	µg/L	10	SW 846 8240
Trichloroethene	75	µg/L	10	SW 846 8240
Benzene	BQL	µg/L	10	SW 846 8240
trans-1,3-Dichloropropene	BQL	µg/L	10	SW 846 8240
Chlorodibromomethane	BQL	µg/L	10	SW 846 8240
1,1,2-Trichloroethane	BQL	µg/L	10	SW 846 8240
Bromoform	BQL	µg/L	10	SW 846 8240
4-Methyl-2-pentanone	BQL	µg/L	10	SW 846 8240
2-Hexanone	BQL	µg/L	10	SW 846 8240
Tetrachloroethene	54	µg/L	10	SW 846 8240
1,1,2,2-Tetrachloroethane	BQL	µg/L	10	SW 846 8240
Toluene	BQL	µg/L	10	SW 846 8240
Chlorobenzene	BQL	µg/L	10	SW 846 8240
Ethylbenzene	BQL	µg/L	10	SW 846 8240
Styrene	BQL	µg/L	10	SW 846 8240
m-Xylene	BQL	µg/L	10	SW 846 8240
o/p-Xylene	BQL	µg/L	10	SW 846 8240
bis(2-chloroethyl)ether	BQL	µg/L	10	SW 846 8270
1,3-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
1,4-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
Benzyl alcohol	BQL	µg/L	10	SW 846 8270
1,2-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
bis(2-chloroisopropyl)ether	BQL	µg/L	10	SW 846 8270
n-Nitrosodi-n-propylamine	BQL	µg/L	10	SW 846 8270
Hexachloroethane	BQL	µg/L	10	SW 846 8270
Nitrobenzene	BQL	µg/L	10	SW 846 8270
Isophorone	BQL	µg/L	10	SW 846 8270
bis(2-chloroethoxy)methane	BQL	µg/L	10	SW 846 8270
1,2,4-Trichlorobenzene	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BLIND DUPLICATE
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/16/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-9

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Naphthalene	BQL	µg/L	10	SW 846 8270
4-Chloroaniline	BQL	µg/L	10	SW 846 8270
Hexachlorobutadiene	29	µg/L	10	SW 846 8270
2-Methylnaphthalene	BQL	µg/L	10	SW 846 8270
Hexachlorocyclopentadiene	BQL	µg/L	10	SW 846 8270
2-Chloronaphthalene	BQL	µg/L	10	SW 846 8270
2-Nitroaniline	BQL	µg/L	10	SW 846 8270
Dimethyl phthalate	BQL	µg/L	10	SW 846 8270
2,6-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Acenaphthylene	BQL	µg/L	10	SW 846 8270
3-Nitroaniline	BQL	µg/L	10	SW 846 8270
Acenaphthene	BQL	µg/L	10	SW 846 8270
2,4-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Dibenzofuran	BQL	µg/L	10	SW 846 8270
Diethyl phthalate	BQL	µg/L	10	SW 846 8270
4-Chlorophenyl phenyl ether	BQL	µg/L	10	SW 846 8270
Fluorene	BQL	µg/L	10	SW 846 8270
4-Nitroaniline	BQL	µg/L	10	SW 846 8270
n-Nitrosodiphenylamine	BQL	µg/L	10	SW 846 8270
4-Bromophenyl phenyl ether	BQL	µg/L	10	SW 846 8270
Hexachlorobenzene	BQL	µg/L	10	SW 846 8270
Phenanthrene	BQL	µg/L	10	SW 846 8270
Anthracene	BQL	µg/L	10	SW 846 8270
di-n-Butylphthalate	BQL	µg/L	10	SW 846 8270
Fluoranthene	BQL	µg/L	10	SW 846 8270
Pyrene	BQL	µg/L	10	SW 846 8270
Butyl benzyl phthalate	BQL	µg/L	10	SW 846 8270
3,3'-Dichlorobenzidine	BQL	µg/L	10	SW 846 8270
bis(2ethylhexyl)phthalate	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: BLIND DUPLICATE
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/16/94
 SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-9

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Benzo(a)anthracene	BQL	µg/L	10	SW 846 8270
Chrysene	BQL	µg/L	10	SW 846 8270
di-n-Octylphthalate	BQL	µg/L	10	SW 846 8270
Benzo(b)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(k)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(a)pyrene	BQL	µg/L	10	SW 846 8270
Indeno(1,2,3-cd)pyrene	BQL	µg/L	10	SW 846 8270
Dibenzo(a,h)anthracene	BQL	µg/L	10	SW 846 8270
Benzo(g,h,i)perylene	BQL	µg/L	10	SW 846 8270
Phenol	BQL	µg/L	10	SW 846 8270
2-Chlorophenol	BQL	µg/L	10	SW 846 8270
2-Methylphenol	BQL	µg/L	10	SW 846 8270
4-Methylphenol	BQL	µg/L	10	SW 846 8270
2-Nitrophenol	BQL	µg/L	10	SW 846 8270
2,4-Dimethylphenol	BQL	µg/L	10	SW 846 8270
Benzoic acid	BQL	µg/L	10	SW 846 8270
2,4-Dichlorophenol	BQL	µg/L	10	SW 846 8270
4-Chloro-3-methylphenol	BQL	µg/L	10	SW 846 8270
2,4,6-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4,5-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4-Dinitrophenol	BQL	µg/L	10	SW 846 8270
4-Nitrophenol	BQL	µg/L	10	SW 846 8270
4,6-Dinitro-2-methylphenol	BQL	µg/L	10	SW 846 8270
Pentachlorophenol	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: TRIP BLANK
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/15/94
 SAMPLE TYPE: DI WATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-10

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	0.23	NTU	0.1	EPA 180.1
Ammonia	BQL	mg/L	0.10	EPA 350.1
Nitrite	BQL	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	BQL	mg/L	0.1	EPA 351.2
Total Iron	BQL	mg/L	0.05	EPA 200.7
Total Potassium	BQL	mg/L	1.0	EPA 200.7
Total Zinc	BQL	mg/L	0.02	EPA 200.7
Chloromethane	BQL	µg/L	10	SW 846 8240
Bromomethane	BQL	µg/L	10	SW 846 8240
Vinyl chloride	BQL	µg/L	10	SW 846 8240
Chloroethane	BQL	µg/L	10	SW 846 8240
Methylene chloride	BQL	µg/L	10	SW 846 8240
Acetone	BQL	µg/L	10	SW 846 8240
Carbon disulfide	BQL	µg/L	10	SW 846 8240
1,1-Dichloroethene	BQL	µg/L	10	SW 846 8240
1,1-Dichloroethane	BQL	µg/L	10	SW 846 8240
trans-1,2-Dichloroethene	BQL	µg/L	10	SW 846 8240
Chloroform	BQL	µg/L	10	SW 846 8240
1,2-Dichloroethane	BQL	µg/L	10	SW 846 8240
2-Butanone	BQL	µg/L	10	SW 846 8240
1,1,1-Trichloroethane	BQL	µg/L	10	SW 846 8240
Carbon tetrachloride	BQL	µg/L	10	SW 846 8240
Vinyl acetate	BQL	µg/L	10	SW 846 8240
Bromodichloromethane	BQL	µg/L	10	SW 846 8240
1,2-Dichloropropane	BQL	µg/L	10	SW 846 8240
cis-1,3-Dichloropropene	BQL	µg/L	10	SW 846 8240
Trichloroethene	BQL	µg/L	10	SW 846 8240
Benzene	BQL	µg/L	10	SW 846 8240

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: TRIP BLANK
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/15/94
 SAMPLE TYPE: DI WATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-10

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
trans-1,3-Dichloropropene	BQL	µg/L	10	SW 846 8240
Chlorodibromomethane	BQL	µg/L	10	SW 846 8240
1,1,2-Trichloroethane	BQL	µg/L	10	SW 846 8240
Bromoform	BQL	µg/L	10	SW 846 8240
4-Methyl-2-pentanone	BQL	µg/L	10	SW 846 8240
2-Hexanone	BQL	µg/L	10	SW 846 8240
Tetrachloroethene	BQL	µg/L	10	SW 846 8240
1,1,2,2-Tetrachloroethane	BQL	µg/L	10	SW 846 8240
Toluene	BQL	µg/L	10	SW 846 8240
Chlorobenzene	BQL	µg/L	10	SW 846 8240
Ethylbenzene	BQL	µg/L	10	SW 846 8240
Styrene	BQL	µg/L	10	SW 846 8240
m-Xylene	BQL	µg/L	10	SW 846 8240
o/p-Xylene	BQL	µg/L	10	SW 846 8240
bis(2-chloroethyl)ether	BQL	µg/L	10	SW 846 8270
1,3-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
1,4-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
Benzyl alcohol	BQL	µg/L	10	SW 846 8270
1,2-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
bis(2-chloroisopropyl)ether	BQL	µg/L	10	SW 846 8270
n-Nitrosodi-n-propylamine	BQL	µg/L	10	SW 846 8270
Hexachloroethane	BQL	µg/L	10	SW 846 8270
Nitrobenzene	BQL	µg/L	10	SW 846 8270
Isophorone	BQL	µg/L	10	SW 846 8270
bis(2-chloroethoxy)methane	BQL	µg/L	10	SW 846 8270
1,2,4-Trichlorobenzene	BQL	µg/L	10	SW 846 8270
Naphthalene	BQL	µg/L	10	SW 846 8270
4-Chloroaniline	BQL	µg/L	10	SW 846 8270
Hexachlorobutadiene	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: TRIP BLANK
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/15/94
 SAMPLE TYPE: DI WATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-10

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
2-Methylnaphthalene	BQL	µg/L	10	SW 846 8270
Hexachlorocyclopentadiene	BQL	µg/L	10	SW 846 8270
2-Chloronaphthalene	BQL	µg/L	10	SW 846 8270
2-Nitroaniline	BQL	µg/L	10	SW 846 8270
Dimethyl phthalate	BQL	µg/L	10	SW 846 8270
2,6-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Acenaphthylene	BQL	µg/L	10	SW 846 8270
3-Nitroaniline	BQL	µg/L	10	SW 846 8270
Acenaphthene	BQL	µg/L	10	SW 846 8270
2,4-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Dibenzofuran	BQL	µg/L	10	SW 846 8270
Diethyl phthalate	BQL	µg/L	10	SW 846 8270
4-Chlorophenyl phenyl ether	BQL	µg/L	10	SW 846 8270
Fluorene	BQL	µg/L	10	SW 846 8270
4-Nitroaniline	BQL	µg/L	10	SW 846 8270
n-Nitrosodiphenylamine	BQL	µg/L	10	SW 846 8270
4-Bromophenyl phenyl ether	BQL	µg/L	10	SW 846 8270
Hexachlorobenzene	BQL	µg/L	10	SW 846 8270
Phenanthrene	BQL	µg/L	10	SW 846 8270
Anthracene	BQL	µg/L	10	SW 846 8270
di-n-Butylphthalate	BQL	µg/L	10	SW 846 8270
Fluoranthene	BQL	µg/L	10	SW 846 8270
Pyrene	BQL	µg/L	10	SW 846 8270
Butyl benzyl phthalate	BQL	µg/L	10	SW 846 8270
3,3'-Dichlorobenzidine	BQL	µg/L	10	SW 846 8270
bis(2ethylhexyl)phthalate	BQL	µg/L	10	SW 846 8270
Benzo(a)anthracene	BQL	µg/L	10	SW 846 8270
Chrysene	BQL	µg/L	10	SW 846 8270
di-n-Octylphthalate	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
 SAMPLE ID: TRIP BLANK
 COLLECTION METHOD: GRAB
 COLLECTION DATE(S): 03/15/94
 SAMPLE TYPE: DI WATER

AES CLIENT ID: CTC
 AES SAMPLE ID: 41LP-10

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Benzo(b)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(k)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(a)pyrene	BQL	µg/L	10	SW 846 8270
Indeno(1,2,3-cd)pyrene	BQL	µg/L	10	SW 846 8270
Dibenzo(a,h)anthracene	BQL	µg/L	10	SW 846 8270
Benzo(g,h,i)perylene	BQL	µg/L	10	SW 846 8270
Phenol	BQL	µg/L	10	SW 846 8270
2-Chlorophenol	BQL	µg/L	10	SW 846 8270
2-Methylphenol	BQL	µg/L	10	SW 846 8270
4-Methylphenol	BQL	µg/L	10	SW 846 8270
2-Nitrophenol	BQL	µg/L	10	SW 846 8270
2,4-Dimethylphenol	BQL	µg/L	10	SW 846 8270
Benzoic acid	BQL	µg/L	10	SW 846 8270
2,4-Dichlorophenol	BQL	µg/L	10	SW 846 8270
4-Chloro-3-methylphenol	BQL	µg/L	10	SW 846 8270
2,4,6-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4,5-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4-Dinitrophenol	BQL	µg/L	10	SW 846 8270
4-Nitrophenol	BQL	µg/L	10	SW 846 8270
4,6-Dinitro-2-methylphenol	BQL	µg/L	10	SW 846 8270
Pentachlorophenol	BQL	µg/L	10	SW 846 8270

CLIENT: Ucar Carbon Company, Incorporated
SAMPLE ID: MW-2
COLLECTION METHOD: GRAB
COLLECTION DATE(S): 03/17/94
SAMPLE TYPE: GROUNDWATER

AES CLIENT ID: CTC
AES SAMPLE ID: 41LP-11

PROJECT ID: 41LP

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Turbidity *	173.5	NTU	0.1	EPA 180.1
Ammonia	6.0	mg/L	0.10	EPA 350.1
Nitrite	0.15	mg/L	0.05	EPA 353.2
Total Kjeldahl Nitrogen	6.0	mg/L	0.1	EPA 351.2

* Analysis performed in the field.

CLIENT: Ucar Carbon Company, Incorporated

AES CLIENT ID: CTC
PROJECT ID: 41LP

ACCURACY

Analytical Parameter(s)	Method	Sample ID	Type	Percent Recovery
Ammonia	EPA 350.1	41LP-8	Matrix Spike	100
Nitrite	EPA 353.2	41LP-8	Matrix Spike	104
Total Kjeldahl Nitrogen	EPA 351.2	41LP-8	Matrix Spike	90
Total Iron	EPA 200.7	41LP-8	Matrix Spike	86
Soluble Iron	EPA 200.7	41LP-8	Matrix Spike	79
Total Potassium	EPA 200.7	41LP-8	Matrix Spike	92
Soluble Potassium	EPA 200.7	41LP-8	Matrix Spike	90
Total Zinc	EPA 200.7	41LP-8	Matrix Spike	88
Soluble Zinc	EPA 200.7	41LP-8	Matrix Spike	84
1,1-Dichloroethene	SW 846 8240	41LP-8	Matrix Spike	88
Trichloroethene	SW 846 8240	41LP-8	Matrix Spike	88
Benzene	SW 846 8240	41LP-8	Matrix Spike	84
Toluene	SW 846 8240	41LP-8	Matrix Spike	88
Chlorobenzene	SW 846 8240	41LP-8	Matrix Spike	94
1,4-Dichlorobenzene	SW 846 8270	41LP-8	Matrix Spike	84
n-Nitrosodi-n-propylamine	SW 846 8270	41LP-8	Matrix Spike	114
1,2,4-Trichlorobenzene	SW 846 8270	41LP-8	Matrix Spike	88
Acenaphthene	SW 846 8270	41LP-8	Matrix Spike	82
2,4-Dinitrotoluene	SW 846 8270	41LP-8	Matrix Spike	82
Pyrene	SW 846 8270	41LP-8	Matrix Spike	76
Phenol	SW 846 8270	41LP-8	Matrix Spike	58
2-Chlorophenol	SW 846 8270	41LP-8	Matrix Spike	82
4-Chloro-3-methylphenol	SW 846 8270	41LP-8	Matrix Spike	89
4-Nitrophenol	SW 846 8270	41LP-8	Matrix Spike	47
Pentachlorophenol	SW 846 8270	41LP-8	Matrix Spike	98

CLIENT: Ucar Carbon Company, Incorporated

AES CLIENT ID: CTC
PROJECT ID: 41LP

PRECISION

Analytical Parameter(s)	Method	Sample ID	Type	Relative % Difference
Ammonia	EPA 350.1	41LP-8	Duplicate	0
Nitrite	EPA 353.2	41LP-8	Duplicate	NA
Total Kjeldahl Nitrogen	EPA 351.2	41LP-8	Duplicate	0
Total Iron	EPA 200.7	41LP-8	Duplicate	0
Soluble Iron	EPA 200.7	41LP-8	Duplicate	0.2
Total Potassium	EPA 200.7	41LP-8	Duplicate	21
Soluble Potassium	EPA 200.7	41LP-8	Duplicate	0
Total Zinc	EPA 200.7	41LP-8	Duplicate	NA
Soluble Zinc	EPA 200.7	41LP-8	Duplicate	NA
Chloromethane	SW 846 8240	41LP-8	Duplicate	NA
Bromomethane	SW 846 8240	41LP-8	Duplicate	NA
Vinyl chloride	SW 846 8240	41LP-8	Duplicate	NA
Chloroethane	SW 846 8240	41LP-8	Duplicate	NA
Methylene chloride	SW 846 8240	41LP-8	Duplicate	NA
Acetone	SW 846 8240	41LP-8	Duplicate	NA
Carbon disulfide	SW 846 8240	41LP-8	Duplicate	NA
1,1-Dichloroethene	SW 846 8240	41LP-8	Duplicate	NA
1,1-Dichloroethane	SW 846 8240	41LP-8	Duplicate	NA
trans-1,2-Dichloroethene	SW 846 8240	41LP-8	Duplicate	NA
Chloroform	SW 846 8240	41LP-8	Duplicate	NA
1,2-Dichloroethane	SW 846 8240	41LP-8	Duplicate	NA
2-Butanone	SW 846 8240	41LP-8	Duplicate	NA
1,1,1-Trichloroethane	SW 846 8240	41LP-8	Duplicate	NA
Carbon tetrachloride	SW 846 8240	41LP-8	Duplicate	NA
Vinyl acetate	SW 846 8240	41LP-8	Duplicate	NA
Bromodichloromethane	SW 846 8240	41LP-8	Duplicate	NA
1,2-Dichloropropane	SW 846 8240	41LP-8	Duplicate	NA
cis-1,3-Dichloropropene	SW 846 8240	41LP-8	Duplicate	NA

NA = NOT AVAILABLE - ORIGINAL AND/OR DUPLICATE RESULTS ARE BELOW REPORTED LIMITS

CLIENT: Ucar Carbon Company, Incorporated

AES CLIENT ID: CTC
PROJECT ID: 41LP

PRECISION

Analytical Parameter(s)	Method	Sample ID	Type	Relative % Difference
Trichloroethene	SW 846 8240	41LP-8	Duplicate	NA
Benzene	SW 846 8240	41LP-8	Duplicate	NA
trans-1,3-Dichloropropene	SW 846 8240	41LP-8	Duplicate	NA
Chlorodibromomethane	SW 846 8240	41LP-8	Duplicate	NA
1,1,2-Trichloroethane	SW 846 8240	41LP-8	Duplicate	NA
Bromoform	SW 846 8240	41LP-8	Duplicate	NA
4-Methyl-2-pentanone	SW 846 8240	41LP-8	Duplicate	NA
2-Hexanone	SW 846 8240	41LP-8	Duplicate	NA
Tetrachloroethene	SW 846 8240	41LP-8	Duplicate	NA
1,1,2,2-Tetrachloroethane	SW 846 8240	41LP-8	Duplicate	NA
Toluene	SW 846 8240	41LP-8	Duplicate	NA
Chlorobenzene	SW 846 8240	41LP-8	Duplicate	NA
Ethylbenzene	SW 846 8240	41LP-8	Duplicate	NA
Styrene	SW 846 8240	41LP-8	Duplicate	NA
m-Xylene	SW 846 8240	41LP-8	Duplicate	NA
o/p-Xylene	SW 846 8240	41LP-8	Duplicate	NA
bis(2-chloroethyl)ether	SW 846 8270	41LP-8	Duplicate	NA
1,3-Dichlorobenzene	SW 846 8270	41LP-8	Duplicate	NA
1,4-Dichlorobenzene	SW 846 8270	41LP-8	Duplicate	NA
Benzyl alcohol	SW 846 8270	41LP-8	Duplicate	NA
1,2-Dichlorobenzene	SW 846 8270	41LP-8	Duplicate	NA
bis(2-chloroisopropyl)ether	SW 846 8270	41LP-8	Duplicate	NA
n-Nitrosodi-n-propylamine	SW 846 8270	41LP-8	Duplicate	NA
Hexachloroethane	SW 846 8270	41LP-8	Duplicate	NA
Nitrobenzene	SW 846 8270	41LP-8	Duplicate	NA
Isophorone	SW 846 8270	41LP-8	Duplicate	NA
bis(2-chloroethoxy)methane	SW 846 8270	41LP-8	Duplicate	NA
1,2,4-Trichlorobenzene	SW 846 8270	41LP-8	Duplicate	NA

NA = NOT AVAILABLE - ORIGINAL AND/OR DUPLICATE RESULTS ARE BELOW REPORTED LIMITS

CLIENT: Ucar Carbon Company, Incorporated

AES CLIENT ID: CTC
PROJECT ID: 41LP

PRECISION

Analytical Parameter(s)	Method	Sample ID	Type	Relative % Difference
Naphthalene	SW 846 8270	41LP-8	Duplicate	NA
4-Chloroaniline	SW 846 8270	41LP-8	Duplicate	NA
Hexachlorobutadiene	SW 846 8270	41LP-8	Duplicate	NA
2-Methylnaphthalene	SW 846 8270	41LP-8	Duplicate	NA
Hexachlorocyclopentadiene	SW 846 8270	41LP-8	Duplicate	NA
2-Chloronaphthalene	SW 846 8270	41LP-8	Duplicate	NA
2-Nitroaniline	SW 846 8270	41LP-8	Duplicate	NA
Dimethyl phthalate	SW 846 8270	41LP-8	Duplicate	NA
2,6-Dinitrotoluene	SW 846 8270	41LP-8	Duplicate	NA
Acenaphthylene	SW 846 8270	41LP-8	Duplicate	NA
3-Nitroaniline	SW 846 8270	41LP-8	Duplicate	NA
Acenaphthene	SW 846 8270	41LP-8	Duplicate	NA
2,4-Dinitrotoluene	SW 846 8270	41LP-8	Duplicate	NA
Dibenzofuran	SW 846 8270	41LP-8	Duplicate	NA
Diethyl phthalate	SW 846 8270	41LP-8	Duplicate	NA
4-Chlorophenyl phenyl ether	SW 846 8270	41LP-8	Duplicate	NA
Fluorene	SW 846 8270	41LP-8	Duplicate	NA
4-Nitroaniline	SW 846 8270	41LP-8	Duplicate	NA
n-Nitrosodiphenylamine	SW 846 8270	41LP-8	Duplicate	NA
4-Bromophenyl phenyl ether	SW 846 8270	41LP-8	Duplicate	NA
Hexachlorobenzene	SW 846 8270	41LP-8	Duplicate	NA
Phenanthrene	SW 846 8270	41LP-8	Duplicate	NA
Anthracene	SW 846 8270	41LP-8	Duplicate	NA
di-n-Butylphthalate	SW 846 8270	41LP-8	Duplicate	NA
Fluoranthene	SW 846 8270	41LP-8	Duplicate	NA
Pyrene	SW 846 8270	41LP-8	Duplicate	NA
Butyl benzyl phthalate	SW 846 8270	41LP-8	Duplicate	NA
3,3'-Dichlorobenzidine	SW 846 8270	41LP-8	Duplicate	NA

NA = NOT AVAILABLE - ORIGINAL AND/OR DUPLICATE RESULTS ARE BELOW REPORTED LIMITS

CLIENT: Ucar Carbon Company, Incorporated

AES CLIENT ID: CTC
PROJECT ID: 41LP

PRECISION

Analytical Parameter(s)	Method	Sample ID	Type	Relative % Difference
bis(2ethylhexyl)phthalate	SW 846 8270	41LP-8	Duplicate	NA
Benzo(a)anthracene	SW 846 8270	41LP-8	Duplicate	NA
Chrysene	SW 846 8270	41LP-8	Duplicate	NA
di-n-Octylphthalate	SW 846 8270	41LP-8	Duplicate	NA
Benzo(b)fluoranthene	SW 846 8270	41LP-8	Duplicate	NA
Benzo(k)fluoranthene	SW 846 8270	41LP-8	Duplicate	NA
Benzo(a)pyrene	SW 846 8270	41LP-8	Duplicate	NA
Indeno(1,2,3-cd)pyrene	SW 846 8270	41LP-8	Duplicate	NA
Dibenzo(a,h)anthracene	SW 846 8270	41LP-8	Duplicate	NA
Benzo(g,h,i)perylene	SW 846 8270	41LP-8	Duplicate	NA
Phenol	SW 846 8270	41LP-8	Duplicate	NA
2-Chlorophenol	SW 846 8270	41LP-8	Duplicate	NA
2-Methylphenol	SW 846 8270	41LP-8	Duplicate	NA
4-Methylphenol	SW 846 8270	41LP-8	Duplicate	NA
2-Nitrophenol	SW 846 8270	41LP-8	Duplicate	NA
2,4-Dimethylphenol	SW 846 8270	41LP-8	Duplicate	NA
Benzoic acid	SW 846 8270	41LP-8	Duplicate	NA
2,4-Dichlorophenol	SW 846 8270	41LP-8	Duplicate	NA
4-Chloro-3-methylphenol	SW 846 8270	41LP-8	Duplicate	NA
2,4,6-Trichlorophenol	SW 846 8270	41LP-8	Duplicate	NA
2,4,5-Trichlorophenol	SW 846 8270	41LP-8	Duplicate	NA
2,4-Dinitrophenol	SW 846 8270	41LP-8	Duplicate	NA
4-Nitrophenol	SW 846 8270	41LP-8	Duplicate	NA
4,6-Dinitro-2-methylphenol	SW 846 8270	41LP-8	Duplicate	NA
Pentachlorophenol	SW 846 8270	41LP-8	Duplicate	NA

Advanced Environmental Services

AEB Job Code CTC

Sample Traceability Report

AEB Job No. 41LP

				SAMPLE PREP			ANALYSIS		
AEB Sample No.	Sample Date	Group #	Run #	Method Number	Date	Analyst	Method Number	Date	Analyst
41LP-1-11	3/15-17/94	2027	26	351.2	3/24/94	MJS	351.2	3/28/94	TS
41LP(1-11)	3/15-17/94	2120	15	—	—	—	353.2	3/29/94	TS
41LP(1-11)	3/15-17/94	2005	27	—	—	—	350.1	3/29/94	TS
41LP-8	3/18/94	2005	27	—	—	—	350.1	4/4/94	MJS
41LP-9	3/16/94	—	—	—	—	—	350.1	4/6/94	MJS

Note: Areas marked using a dash indicate that no sample preparation was required under the applied methodology.

Advanced Environmental Services

AES Job Code CTC

Sample Traceability Report

AES Job No. 41LP

Inorganics Analysis

				SAMPLE PREP			ANALYSIS		
AES Sample No.	Sample Date	Group #	Run #	Method Number	Date	Analyst	Method Number	Date	Analyst
Total HSE CTC 41LP 142 4-10	3-15/3-17-94	1010	126	9.3	3-24-94	JK	200.7	3-29-94	pm
SOLUBLE CTC 41LP 142 4-10	3-15/3-17-94	1400	14	9.3	3-24-94	JK			
CTC 41LP 3 T&S	3-15/3-17-94	—	—	9.3	3-28-94	JK			

Note: Areas marked using a dash indicate that no sample preparation was required under the applied methodology.

Sample Traceability Report

ARJ Job No. 411P

[illegible]

Note: Areas marked using a dash indicate that no sample preparation was required under the applied methodology.

Advanced Environmental Services

Sample Traceability Report

ARB Job Code CTC

ARB Job No. 41LP

				SAMPLE PREP			ANALYSIS		
ARB Sample No.	Sample Date	Group #	Run #	Method Number	Date	Analyst	Method Number	Date	Analyst
41LP-6	3/16/94	4300	56	3510 P270	3/24/94	PQ	8270	3/25/94	JF
-8	3/18/94	↓	↓	↓	↓	↓	↓	↓	↓
-9	3/16/94	↓	↓	↓	↓	↓	↓	↓	↓
-10	3/15/94	↓	↓	↓	↓	↓	↓	↓	↓

Note: Areas marked using a dash indicate that no sample preparation was required under the applied methodology.

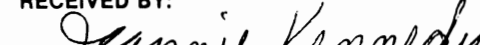
CHAIN OF CUSTODY RECORD



SAMPLER'S SIGNATURE: Walter A. Chi

IDENTIFICATION OF
BLIND FIELD DUPLICATE SITE: _____

TOTAL NUMBER OF CONTAINERS 7

1. RELINQUISHED BY: 	DATE 3-17-94	TIME 16:50	RECEIVED BY: 
2. RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
3. RELINQUISHED BY:	DATE	TIME	RECEIVED BY:



CHAIN OF CUSTODY RECORD

PROJECT NAME: UCAR CARBON

SAMPLER'S SIGNATURE: [Signature]

41CR

PROJECT

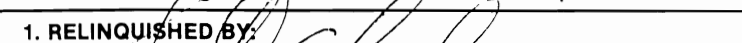
JOB CODE: Q7 C

IDENTIFICATION OF
BLIND FIELD DUPLICATE SITE: _____

[illegible]

TOTAL NUMBER OF CONTAINERS 13

NOTE: Please indicate required analysis, and whom we may contact with questions, if you have not yet done so through your customer service representative.

1. RELINQUISHED BY: 	DATE 3/18/94	TIME 15:35	RECEIVED BY: Wendy Herbert
2. RELINQUISHED BY: 	DATE	TIME	RECEIVED BY:
3. RELINQUISHED BY: 	DATE	TIME	RECEIVED BY: