



CAPSULE®

ENVIRONMENTAL ENGINEERING, INC.

SEP 24 11 08 AM '95

February 23, 1995

Mr. Scott Seery  
Alameda County Department of Environmental Health  
Room 250  
1131 Harbor Bay Parkway  
Alameda, California 94502

Re: Ingersoll-Rand  
1944 Marina Boulevard  
San Leandro, California 94577

Dear Mr. Seery:

As you requested, I have enclosed copies of the recent sampling results for the above referenced facility. Five wells were sampled in June and October 1994 and again in January of this year. I was told this sampling was done in accordance with County requirements; however, I have not been able to find any such requirements in the project file.

I have noted pertinent analytical results on a previous plume map.

In addition, five soil vapor extraction (SVE) vents were installed in November 1994. A copy of a report on the installation of these points is enclosed. These points have not been connected to the existing SVE system, and the SVE system is not presently operating. Headspace analyses of boring samples gave results similar to those found in previous samplings.

I hope this information is useful to you prior to our project review scheduled for March 2. If you have any questions prior to that time, please call me at (800) 328-8246. Thank you for your time.

Sincerely,

CAPSULE ENVIRONMENTAL ENGINEERING, INC.

Daniel P. Reinke, P.E.  
Principal Engineer

DPR:kad  
Enclosures

Western Operations

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

January 6, 1995

Mr. William V. Block  
Process Chemist  
CAPSULE ENVIRONMENTAL ENGINEERING, INC.  
1970 Oakcrest Avenue, Suite 215  
St. Paul, MN 55113-2624

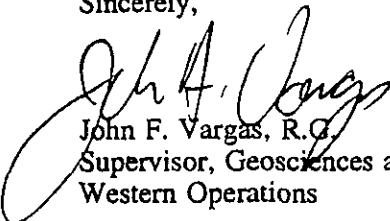
Clayton Project No. 59125.00

Dear Mr. Block:

Clayton Environmental Consultants, Inc. is pleased to submit the revised analytical reports for the groundwater samples collected on October 20 and 21, 1994. Initially acetone was identified in the groundwater samples from monitoring wells MW-3 and MW-4. However, subsequent review of the analytical results indicated that acetone was not detected in the groundwater samples, and the reported acetone in the initial report was due to a laboratory error.

Thank you for the opportunity to provide these sampling services. If you have any questions, please call me at (510) 426-2676.

Sincerely,

  
John F. Vargas, R.G.  
Supervisor, Geosciences and Remediation  
Western Operations

JFV/jfv

Western Operations

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

December 22, 1994

Mr. John Vargas  
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
1252 Quarry Lane  
Pleasanton, CA 94566


REVISED REPORT  
Client Ref.: 59125.00  
Clayton Project No.: 94102.69

Dear Mr. Vargas:

Attached is our revised analytical laboratory report for the samples received on October 20, 1994 and originally reported on November 3, 1994. Results for Acetone have been revised for samples MW-3 and MW-4. Due to a laboratory error, this compound was misidentified.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,

  
Harriotte A. Hurley, CIH  
Director, Laboratory Services  
Western Operations

HAH/caa

Attachments

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	MW-1	Date Sampled:	10/20/94
Lab Number:	9410269-01A	Date Received:	10/20/94
Sample Matrix/Media:	WATER	Date Prepared:	10/28/94
Preparation Method:	EPA 5030	Date Analyzed:	10/28/94
Method Reference:	EPA 8260	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds</u>			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	MW-1	Date Sampled:	10/20/94
Lab Number:	9410269-01A	Date Received:	10/20/94
Sample Matrix/Media:	WATER	Date Prepared:	10/28/94
Preparation Method:	EPA 5030	Date Analyzed:	10/28/94
Method Reference:	EPA 8260	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	11	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	MW-1	Date Sampled:	10/20/94
Lab Number:	9410269-01A	Date Received:	10/20/94
Sample Matrix/Media:	WATER	Date Prepared:	10/28/94
Preparation Method:	EPA 5030	Date Analyzed:	10/28/94
Method Reference:	EPA 8260	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
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Volatile Organic Compounds (Continued)

1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
4-Bromofluorobenzene	460-00-4	97	74 - 121
Dibromofluoromethane	1868-53-7	93	80 - 120
Toluene-d8	2037-26-5	102	81 - 117

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification: MW-2	Date Sampled: 10/20/94
Lab Number: 9410269-02A	Date Received: 10/20/94
Sample Matrix/Media: WATER	Date Prepared: 10/28/94
Preparation Method: EPA 5030	Date Analyzed: 10/28/94
Method Reference: EPA 8260	Analyst: JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds</u>			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification: MW-2	Date Sampled: 10/20/94
Lab Number: 9410269-02A	Date Received: 10/20/94
Sample Matrix/Media: WATER	Date Prepared: 10/28/94
Preparation Method: EPA 5030	Date Analyzed: 10/28/94
Method Reference: EPA 8260	Analyst: JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	6	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5



Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification: MW-2	Date Sampled: 10/20/94
Lab Number: 9410269-02A	Date Received: 10/20/94
Sample Matrix/Media: WATER	Date Prepared: 10/28/94
Preparation Method: EPA 5030	Date Analyzed: 10/28/94
Method Reference: EPA 8260	Analyst: JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
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Volatile Organic Compounds (Continued)

1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
4-Bromofluorobenzene	460-00-4	113	74 - 121
Dibromofluoromethane	1868-53-7	94	80 - 120
Toluene-d8	2037-26-5	102	81 - 117

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	MW-3	Date Sampled:	10/20/94
Lab Number:	9410269-03A	Date Received:	10/20/94
Sample Matrix/Media:	WATER	Date Prepared:	10/28/94
Preparation Method:	EPA 5030	Date Analyzed:	10/28/94
Method Reference:	EPA 8260	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds</u>			
Acetone	67-64-1	ND	20
Benzene	71-43-2	9	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	13	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	19	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	64	5
1,3-Dichlorobenzene	541-73-1	9	5
1,4-Dichlorobenzene	106-46-7	18	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification: MW-3	Date Sampled: 10/20/94
Lab Number: 9410269-03A	Date Received: 10/20/94
Sample Matrix/Media: WATER	Date Prepared: 10/28/94
Preparation Method: EPA 5030	Date Analyzed: 10/28/94
Method Reference: EPA 8260	Analyst: JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
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Volatile Organic Compounds (Continued)

1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	90	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	20	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	29	5
n-Propylbenzene	103-65-1	43	5
sec-Butylbenzene	135-98-8	6	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	MW-3	Date Sampled:	10/20/94
Lab Number:	9410269-03A	Date Received:	10/20/94
Sample Matrix/Media:	WATER	Date Prepared:	10/28/94
Preparation Method:	EPA 5030	Date Analyzed:	10/28/94
Method Reference:	EPA 8260	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
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Volatile Organic Compounds (Continued)

1,2,4-Trimethylbenzene	95-63-6	150	5
1,3,5-Trimethylbenzene	108-67-8	46	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	68	5
p,m-Xylenes	--	140	5

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
4-Bromofluorobenzene	460-00-4	114	74 - 121
Dibromofluoromethane	1868-53-7	96	80 - 120
Toluene-d8	2037-26-5	100	81 - 117

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	MW-4	Date Sampled:	10/20/94
Lab Number:	9410269-04A	Date Received:	10/20/94
Sample Matrix/Media:	WATER	Date Prepared:	10/28/94
Preparation Method:	EPA 5030	Date Analyzed:	10/28/94
Method Reference:	EPA 8260	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
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Volatiles Organic Compounds

Acetone	67-64-1	ND	20
Benzene	71-43-2	260	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	17	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	7	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	12	5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification: MW-4	Date Sampled: 10/20/94
Lab Number: 9410269-04A	Date Received: 10/20/94
Sample Matrix/Media: WATER	Date Prepared: 10/28/94
Preparation Method: EPA 5030	Date Analyzed: 10/28/94
Method Reference: EPA 8260	Analyst: JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
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Volatile Organic Compounds (Continued)

1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	240	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	66	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	96	5
n-Propylbenzene	103-65-1	78	5
sec-Butylbenzene	135-98-8	8	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	34	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	27	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results  
 for  
 Clayton Environmental Consultants, Inc.  
 Client Reference: 59125.00  
 Clayton Project No. 94102.69

Sample Identification: MW-4	Date Sampled: 10/20/94
Lab Number: 9410269-04A	Date Received: 10/20/94
Sample Matrix/Media: WATER	Date Prepared: 10/28/94
Preparation Method: EPA 5030	Date Analyzed: 10/28/94
Method Reference: EPA 8260	Analyst: JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds (Continued)</u>			
1,2,4-Trimethylbenzene	95-63-6	300	5
1,3,5-Trimethylbenzene	108-67-8	100	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	110	5
p,m-Xylenes	--	330	5
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
4-Bromofluorobenzene	460-00-4	118	74 - 121
Dibromofluoromethane	1868-53-7	89	80 - 120
Toluene-d8	2037-26-5	97	81 - 117

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9410269-07A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	10/27/94
Preparation Method:	EPA 5030	Date Analyzed:	10/27/94
Method Reference:	EPA 8260	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>Volatile Organic Compounds</u>			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5



Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9410269-07A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	10/27/94
Preparation Method:	EPA 5030	Date Analyzed:	10/27/94
Method Reference:	EPA 8260	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
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Volatile Organic Compounds (Continued)

1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125:00  
Clayton Project No. 94102.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9410269-07A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	10/27/94
Preparation Method:	EPA 5030	Date Analyzed:	10/27/94
Method Reference:	EPA 8260	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
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Volatile Organic Compounds (Continued)

1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
4-Bromofluorobenzene	460-00-4	96	74 - 121
Dibromofluoromethane	1868-53-7	93	80 - 120
Toluene-d8	2037-26-5	100	81 - 117

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	MW-1	Date Sampled:	10/20/94
Lab Number:	9410269-01C	Date Received:	10/20/94
Sample Matrix/Media:	WATER	Date Prepared:	10/31/94
Preparation Method:	EPA 5030	Date Analyzed:	10/31/94
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
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BTEX/Gasoline

Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50

Surrogates

		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	76	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	MW-2	Date Sampled:	10/20/94
Lab Number:	9410269-02C	Date Received:	10/20/94
Sample Matrix/Media:	WATER	Date Prepared:	10/31/94
Preparation Method:	EPA 5030	Date Analyzed:	10/31/94
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	90	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	MW-3	Date Sampled:	10/20/94
Lab Number:	9410269-03C	Date Received:	10/20/94
Sample Matrix/Media:	WATER	Date Prepared:	10/31/94
Preparation Method:	EPA 5030	Date Analyzed:	10/31/94
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	8.9	0.4
Ethylbenzene	100-41-4	96	0.3
Toluene	108-88-3	4.4	0.3
o-Xylene	95-47-6	69	0.4
p,m-Xylenes	--	160	0.4
Gasoline	--	2600	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	112	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	MW-4	Date Sampled:	10/20/94
Lab Number:	9410269-04C	Date Received:	10/20/94
Sample Matrix/Media:	WATER	Date Prepared:	10/31/94
Preparation Method:	EPA 5030	Date Analyzed:	10/31/94
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	360	0.4
Ethylbenzene	100-41-4	270	0.3
Toluene	108-88-3	33	0.3
o-Xylene	95-47-6	120	0.4
p,m-Xylenes	--	520	0.4
Gasoline	--	7800	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	102	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9410269-07A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	10/31/94
Preparation Method:	EPA 5030	Date Analyzed:	10/31/94
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	90	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification: COMPOSITE DRUM SAMPLE DS-1  
Lab Number: 9410269-06  
Sample Matrix/Media: WATER

Date Sampled: 10/20/94  
Date Received: 10/20/94

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Flash Point	>200	--	Degrees F	--	10/31/94	--	EPA 1010
Reactive Cyanide	<0.1	0.1	mg/L	--	11/01/94	--	EPA 335.2
Reactive Sulfide	<10	10	mg/L	--	11/02/94	--	SW 7.3.4.2
pH	7.2	--	S.U.	--	10/20/94	--	EPA 150.1

ND: Not detected at or above limit of detection  
--: Information not available or not applicable



Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 59125.00  
Clayton Project No. 94102.69

Sample Identification: METHOD BLANK  
Lab Number: 9410269-07  
Sample Matrix/Media: WATER

Date Sampled: --  
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Reactive Cyanide	<0.1	0.1	mg/L	--	11/01/94	--	EPA 335.2
Reactive Sulfide	<10	10	mg/L	--	11/02/94	--	SW 7.3.4.2

ND: Not detected at or above limit of detection  
--: Information not available or not applicable