



# GEOMATRIX CONSULTANTS

100 Pine Street, 10th Floor  
San Francisco, California 94111  
Tel: (415)434-9400 Fax: (415)434-1365

## FAX TRANSMITTAL

TO: Susan Hugo  
ACHCSA

FAX: (510) 337-9335

FROM: Jennifer Patterson

PROJECT NO: 4710.01

DATE: 5/26/98

TIME: 8:30

### COMMENTS:

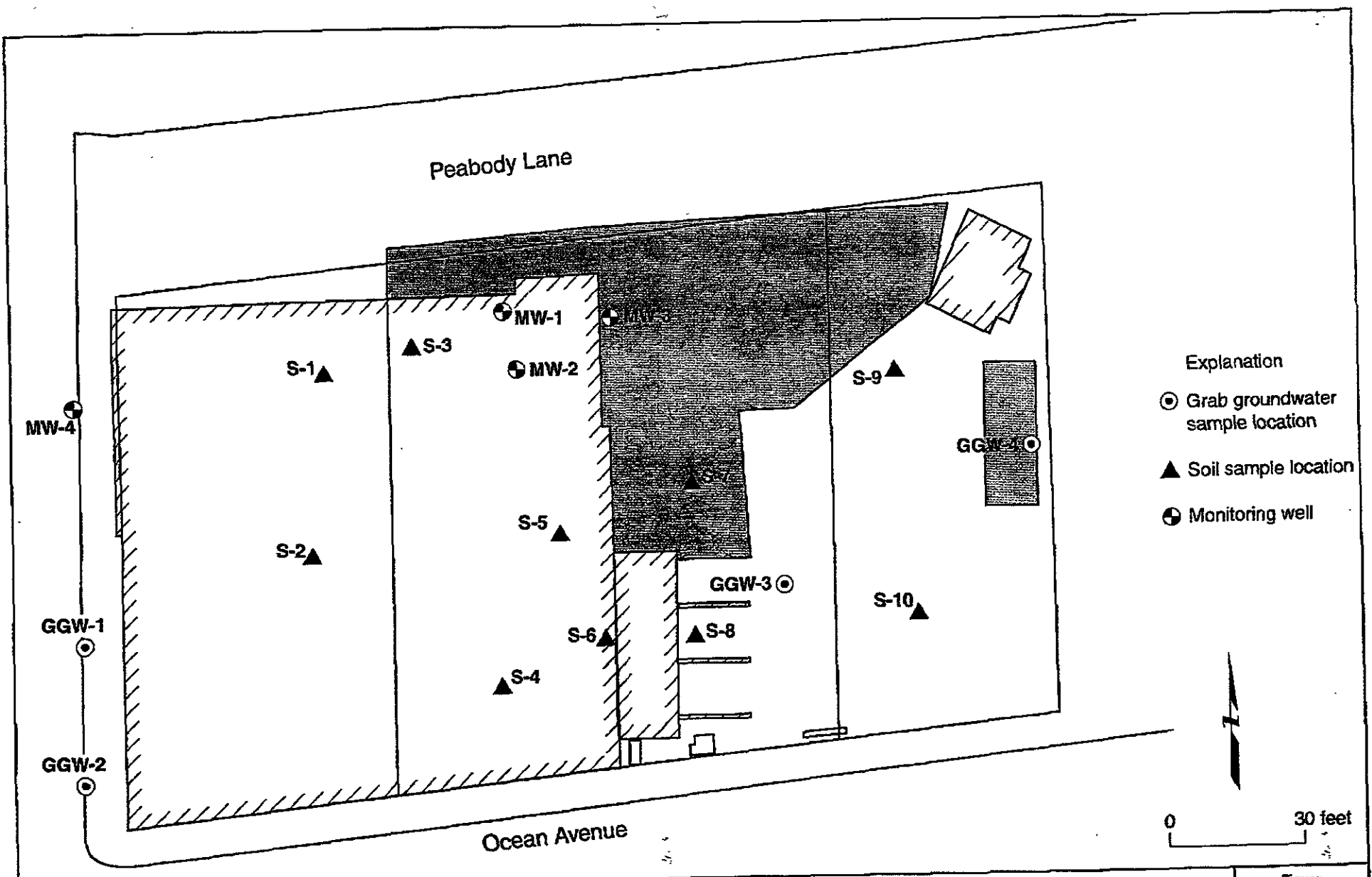
Susan -

Here is the data from RIX. We'll see you at  
2:00 today.

Jennifer

PAGES INCLUDING THIS TRANSMITTAL: 31

Note: If any problems arise during transmission, please call (415) 434-9400.



SAMPLING LOCATIONS  
 RIX Property  
 6460 Hollis Street  
 Emeryville, California

Figure

Project No.  
4710.01



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## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-4  
 AEN LAB NO: 9805174-01  
 AEN WORK ORDER: 9805174  
 CLIENT PROJ. ID: 4710.01

DATE SAMPLED: 05/15/98  
 DATE RECEIVED: 05/15/98  
 REPORT DATE: 05/21/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
EPA 8260A - Water	EPA 8260A				
Benzene	71-43-2	ND	5	ug/L	05/19/98
Bromobenzene	108-86-1	ND	5	ug/L	05/19/98
Bromochloromethane	74-97-5	ND	5	ug/L	05/19/98
Bromodichloromethane	75-27-4	ND	5	ug/L	05/19/98
Bromoform	75-25-2	ND	5	ug/L	05/19/98
Bromomethane	74-83-9	ND	10	ug/L	05/19/98
n-Butylbenzene	104-51-8	ND	5	ug/L	05/19/98
sec-Butylbenzene	135-98-8	ND	5	ug/L	05/19/98
tert-Butylbenzene	98-06-6	ND	5	ug/L	05/19/98
Carbon Tetrachloride	56-23-5	ND	5	ug/L	05/19/98
Chlorobenzene	108-90-7	ND	5	ug/L	05/19/98
Chloroethane	75-00-3	ND	10	ug/L	05/19/98
Chloroform	67-66-3	ND	5	ug/L	05/19/98
Chloromethane	74-87-3	ND	10	ug/L	05/19/98
2-Chlorotoluene	95-49-8	ND	5	ug/L	05/19/98
4-Chlorotoluene	106-43-4	ND	5	ug/L	05/19/98
Dibromochloromethane	124-48-1	ND	5	ug/L	05/19/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	5	ug/L	05/19/98
1,2-Dibromoethane	106-93-4	ND	5	ug/L	05/19/98
Dibromomethane	74-95-3	ND	5	ug/L	05/19/98
1,2-Dichlorobenzene	95-50-1	ND	5	ug/L	05/19/98
1,3-Dichlorobenzene	541-73-1	ND	5	ug/L	05/19/98
1,4-Dichlorobenzene	106-46-7	ND	5	ug/L	05/19/98
Dichlorodifluoromethane	75-71-8	ND	10	ug/L	05/19/98
1,1-Dichloroethane	75-34-3	ND	5	ug/L	05/19/98
1,2-Dichloroethane	107-06-2	ND	5	ug/L	05/19/98
1,1-Dichloroethene	75-35-4	ND	5	ug/L	05/19/98
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/L	05/19/98
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/L	05/19/98
1,2-Dichloropropane	78-87-5	ND	5	ug/L	05/19/98
1,3-Dichloropropane	142-28-9	ND	5	ug/L	05/19/98
2,2-Dichloropropane	594-20-7	ND	5	ug/L	05/19/98
1,1-Dichloropropene	563-58-6	ND	5	ug/L	05/19/98
Ethylbenzene	100-41-4	ND	5	ug/L	05/19/98
Hexachlorobutadiene	87-68-3	ND	5	ug/L	05/19/98
Isopropylbenzene	98-82-8	ND	5	ug/L	05/19/98
p-Isopropyltoluene	99-87-6	ND	5	ug/L	05/19/98
Methylene Chloride	75-09-2	ND	10	ug/L	05/19/98
Naphthalene	91-20-3	ND	5	ug/L	05/19/98
n-Propylbenzene	103-65-1	ND	5	ug/L	05/19/98
Styrene	100-42-5	ND	5	ug/L	05/19/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-4  
 AEN LAB NO: 9805174-01  
 AEN WORK ORDER: 9805174  
 CLIENT PROJ. ID: 4710.01

DATE SAMPLED: 05/15/98  
 DATE RECEIVED: 05/15/98  
 REPORT DATE: 05/21/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,1,1,2-tetrachloroethane	630-20-6	ND	5	ug/L	05/19/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	05/19/98
Tetrachloroethene	127-18-4	ND	5	ug/L	05/19/98
Toluene	108-88-3	ND	5	ug/L	05/19/98
1,2,3-Trichlorobenzene	81-61-6	ND	5	ug/L	05/19/98
1,2,4-Trichlorobenzene	120-82-1	ND	5	ug/L	05/19/98
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	05/19/98
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	05/19/98
Trichloroethene	79-01-6	ND	5	ug/L	05/19/98
Trichlorofluoromethane	75-69-4	ND	5	ug/L	05/19/98
1,2,3-Trichloropropane	96-18-4	ND	5	ug/L	05/19/98
1,2,4-Trimethylbenzene	95-63-6	ND	5	ug/L	05/19/98
1,3,5-Trimethylbenzene	108-67-8	ND	10	ug/L	05/19/98
Vinyl Chloride	75-01-4	ND	10	ug/L	05/19/98
Xylenes, Total	1330-20-7	ND	100	ug/L	05/19/98
Acetone	67-64-1	ND	100	ug/L	05/19/98
2-Butanone	78-93-3	ND	10	ug/L	05/19/98
Carbon Disulfide	75-15-0	ND	5	ug/L	05/19/98
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	05/19/98
trans-1,3-Dichloropropene	10061-02-6	ND	50	ug/L	05/19/98
2-Hexanone	591-78-6	ND	50	ug/L	05/19/98
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	05/19/98
Vinyl Acetate	108-05-4	ND	10	ug/L	05/19/98
2-Chloroethyl Vinyl Ether	110-75-8	ND			

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

005

R-3,5-1

9805174

# CHAIN-OF-CUSTODY RECORD

No 10166

Date: 5/15/98

Page 1 of 1

Project No.: 4710.01

Samplers (Signature): *Will Caldwell*

### ANALYSES

### REMARKS

Additional Comments

1A-C  
2A-C

Date Time Sample Number

EPA Method 8010

EPA Method 8020

EPA Method 8020 (BTEX only)

EPA Method 8240

EPA Method 8270

TPH as gasoline

TPH as diesel

8260

Cooled

Soil (S), Water (W), or Vapor (V)

Anidified

Number of containers

hold

Turnaround time: ASAP

Results to: Will Caldwell

Total No. of containers: 6

Relinquished by (signature): *Will Caldwell*

Printed Name: Will Caldwell

Company: Geomatrix

Date: Relinquished by (signature):

Time: Printed Name:

Company:

Date: Relinquished by (signature):

Time: Printed Name:

Company:

Date: Method of Shipment: Lab Courier

Time: Laboratory Comments and Log No.: COC INSIDE COOLER

Received by (signature):

Printed Name:

Company:

Date: Received by (signature):

Time: Printed Name:

Company:

Date: Received by (signature):

Time: Printed Name: RON JENSEN

Company: AEN

Date: 5/15/98

Time: 16:15



Geomatrix Consultants  
100 Pine Street, 10th Floor  
San Francisco, California 94111  
415 434 5100

GEOMATRIX SF

05/26/98 TUE 08:33 FAX 415 434 1365

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## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-4  
 AEN LAB NO: 9804273-01  
 AEN WORK ORDER: 9804273  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
 DATE RECEIVED: 04/28/98  
 REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion, Metals by ICP	EPA 3010	-		Prep Date	05/05/98
EPA 8260A - Water	EPA 8260A				
Benzene	71-43-2	ND	5 ug/L		05/13/98
Bromobenzene	108-86-1	ND	5 ug/L		05/13/98
Bromochloromethane	74-97-5	ND	5 ug/L		05/13/98
Bromodichloromethane	75-27-4	ND	5 ug/L		05/13/98
Bromoform	75-25-2	ND	5 ug/L		05/13/98
Bromomethane	74-83-9	ND	10 ug/L		05/13/98
n-Butylbenzene	104-51-8	ND	5 ug/L		05/13/98
sec-Butylbenzene	135-98-8	12 *	5 ug/L		05/13/98
tert-Butylbenzene	98-06-6	ND	5 ug/L		05/13/98
Carbon Tetrachloride	56-23-5	ND	5 ug/L		05/13/98
Chlorobenzene	108 90-7	ND	5 ug/L		05/13/98
Chloroethane	75-00-3	ND	10 ug/L		05/13/98
Chloroform	67-66-3	ND	5 ug/L		05/13/98
Chloromethane	74-87-3	ND	10 ug/L		05/13/98
2-Chlorotoluene	95-49-8	ND	5 ug/L		05/13/98
4-Chlorotoluene	106-43-4	ND	5 ug/L		05/13/98
Dibromochloromethane	124-48-1	ND	5 ug/L		05/13/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	5 ug/L		05/13/98
1,2-Dibromoethane	106-93-4	ND	5 ug/L		05/13/98
Dibromomethane	74-95-3	ND	5 ug/L		05/13/98
1,2-Dichlorobenzene	95-50-1	ND	5 ug/L		05/13/98
1,3-Dichlorobenzene	541-73-1	ND	5 ug/L		05/13/98
1,4-Dichlorobenzene	106-46-7	ND	5 ug/L		05/13/98
Dichlorodifluoromethane	75-71-8	ND	10 ug/L		05/13/98
1,1-Dichloroethane	75-34-3	ND	5 ug/L		05/13/98
1,2-Dichloroethane	107-06-2	ND	5 ug/L		05/13/98
1,1-Dichloroethene	75-35-4	ND	5 ug/L		05/13/98
cis-1,2-Dichloroethene	156-59-2	ND	5 ug/L		05/13/98
trans-1,2-Dichloroethene	156-60-5	ND	5 ug/L		05/13/98
1,2-Dichloropropane	78-87-5	ND	5 ug/L		05/13/98
1,3-Dichloropropane	142-28-9	ND	5 ug/L		05/13/98
2,2-Dichloropropane	594-20-7	ND	5 ug/L		05/13/98
1,1-Dichloropropene	563-58-6	ND	5 ug/L		05/13/98
Ethylbenzene	100-41-4	ND	5 ug/L		05/13/98
Hexachlorobutadiene	87-68-3	ND	5 ug/L		05/13/98
Isopropylbenzene	98-82-8	15 *	5 ug/L		05/13/98
p-Isopropyltoluene	99-87-6	ND	5 ug/L		05/13/98
Methylene Chloride	75-09-2	ND	10 ug/L		05/13/98
Naphthalene	91-20-3	ND	5 ug/L		05/13/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-4  
 AEN LAB NO: 9804273-01  
 AEN WORK ORDER: 9804273  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
 DATE RECEIVED: 04/28/98  
 REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
n-Propylbenzene	103-65-1	ND	5	ug/L	05/13/98
Styrene	100-42-5	ND	5	ug/L	05/13/98
1,1,1,2-Tetrachloroethane	630-20-6	ND	5	ug/L	05/13/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	05/13/98
Tetrachloroethene	127-18-4	ND	5	ug/L	05/13/98
Toluene	108-88-3	ND	5	ug/L	05/13/98
1,2,3-Trichlorobenzene	87-61-6	ND	5	ug/L	05/13/98
1,2,4-Trichlorobenzene	120-82-1	ND	5	ug/L	05/13/98
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	05/13/98
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	05/13/98
Trichloroethene	79-01-6	ND	5	ug/L	05/13/98
Trichlorofluoromethane	75-69-4	ND	5	ug/L	05/13/98
1,2,3-Trichloropropane	95-18-4	ND	5	ug/L	05/13/98
1,2,4-Trimethylbenzene	95-63-6	ND	5	ug/L	05/13/98
1,3,5-Trimethylbenzene	108-67-8	ND	5	ug/L	05/13/98
Vinyl Chloride	75-01-4	ND	10	ug/L	05/13/98
Xylenes, Total	1330-20-7	ND	10	ug/L	05/13/98
Acetone	67-64-1	ND	100	ug/L	05/13/98
2-Butanone	78-93-3	ND	100	ug/L	05/13/98
Carbon Disulfide	75-15-0	ND	10	ug/L	05/13/98
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	05/13/98
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	05/13/98
2-Hexanone	591-78-6	ND	50	ug/L	05/13/98
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	05/13/98
Vinyl Acetate	108-05-4	ND	50	ug/L	05/13/98
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	05/13/98
<b>CCR 17 Metals</b>					
Silver	EPA 6010	ND	0.005	mg/L	05/05/98
Arsenic	EPA 6010	0.018 *	0.005	mg/L	05/05/98
Barium	EPA 6010	0.15 *	0.01	mg/L	05/05/98
Beryllium	EPA 6010	ND	0.002	mg/L	05/05/98
Cadmium	EPA 6010	ND	0.005	mg/L	05/05/98
Cobalt	EPA 6010	ND	0.005	mg/L	05/05/98
Chromium	EPA 6010	ND	0.01	mg/L	05/05/98
Copper	EPA 6010	ND	0.01	mg/L	05/05/98
Mercury	EPA 7470	ND	0.0002	mg/L	05/04/98
Molybdenum	EPA 6010	0.02 *	0.01	mg/L	05/05/98
Nickel	EPA 6010	0.01 *	0.01	mg/L	05/05/98
Lead	EPA 6010	ND	0.04	mg/L	05/05/98
Antimony	EPA 6010	ND	0.02	mg/L	05/06/98
Selenium	EPA 6010	ND	0.01	mg/L	05/05/98
Thallium	EPA 6010	ND	0.05	mg/L	05/05/98

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## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-4  
 AEN LAB NO: 9804273-01  
 AEN WORK ORDER: 9804273  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
 DATE RECEIVED: 04/28/98  
 REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Vanadium	EPA 6010	ND	0.005	mg/L	05/05/98
Zinc	EPA 6010	ND	0.01	mg/L	05/05/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit.



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## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-1  
 AEN LAB NO: 9804273-02  
 AEN WORK ORDER: 9804273  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
 DATE RECEIVED: 04/28/98  
 REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
EPA 8260A - Water	EPA 8260A				
Benzene	71-43-2	ND	5 ug/L		05/13/98
Bromobenzene	108-86-1	ND	5 ug/L		05/13/98
Bromochloromethane	74-97-5	ND	5 ug/L		05/13/98
Bromodichloromethane	75-27-4	ND	5 ug/L		05/13/98
Bromoform	75-25-2	ND	5 ug/L		05/13/98
Bromomethane	74-83-9	ND	10 ug/L		05/13/98
n-Butylbenzene	104-51-8	ND	5 ug/L		05/13/98
sec-Butylbenzene	135-98-8	10 *	5 ug/L		05/13/98
tert-Butylbenzene	98-06-6	ND	5 ug/L		05/13/98
Carbon Tetrachloride	56-23-5	ND	5 ug/L		05/13/98
Chlorobenzene	108-90-7	ND	5 ug/L		05/13/98
Chloroethane	75-00-3	ND	10 ug/L		05/13/98
Chloroform	67-66-3	ND	5 ug/L		05/13/98
Chloromethane	74-87-3	ND	10 ug/L		05/13/98
2-Chlorotoluene	95-49-8	ND	5 ug/L		05/13/98
4-Chlorotoluene	106-43-4	ND	5 ug/L		05/13/98
Dibromochloromethane	124-48-1	ND	5 ug/L		05/13/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	5 ug/L		05/13/98
1,2-Dibromoethane	106-93-4	ND	5 ug/L		05/13/98
Dibromomethane	74-95-3	ND	5 ug/L		05/13/98
1,2-Dichlorobenzene	95-50-1	ND	5 ug/L		05/13/98
1,3-Dichlorobenzene	541-73-1	ND	5 ug/L		05/13/98
1,4-Dichlorobenzene	106-46-7	ND	5 ug/L		05/13/98
Dichlorodifluoromethane	75-71-8	ND	10 ug/L		05/13/98
1,1-Dichloroethane	75-34-3	33 *	5 ug/L		05/13/98
1,2-Dichloroethane	107-06-2	ND	5 ug/L		05/13/98
1,1-Dichloroethene	75-35-4	ND	5 ug/L		05/13/98
cis-1,2-Dichloroethene	156-59-2	8 *	5 ug/L		05/13/98
trans-1,2-Dichloroethene	156-60-5	16 *	5 ug/L		05/13/98
1,2-Dichloropropane	78-87-5	ND	5 ug/L		05/13/98
1,3-Dichloropropane	142-28-9	ND	5 ug/L		05/13/98
2,2-Dichloropropane	594-20-7	ND	5 ug/L		05/13/98
1,1-Dichloropropene	563-58-6	ND	5 ug/L		05/13/98
Ethylbenzene	100-41-4	5 *	5 ug/L		05/13/98
Hexachlorobutadiene	87-68-3	ND	5 ug/L		05/13/98
Isopropylbenzene	98-82-8	13 *	5 ug/L		05/13/98
p-Isopropyltoluene	99-87-6	ND	5 ug/L		05/13/98
Methylene Chloride	75-09-2	ND	10 ug/L		05/13/98
Naphthalene	91-20-3	ND	5 ug/L		05/13/98
n-Propylbenzene	103-65-1	13 *	5 ug/L		05/13/98
Styrene	100-42-5	ND	5 ug/L		05/13/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-1  
 AEN LAB NO: 9804273-02  
 AEN WORK ORDER: 9804273  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
 DATE RECEIVED: 04/28/98  
 REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,1,1,2-Tetrachloroethane	630-20-6	ND	5	ug/L	05/13/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	05/13/98
Tetrachloroethene	127-18-4	ND	5	ug/L	05/13/98
Toluene	108-88-3	ND	5	ug/L	05/13/98
1,2,3-Trichlorobenzene	87-61-6	ND	5	ug/L	05/13/98
1,2,4-Trichlorobenzene	120-82-1	ND	5	ug/L	05/13/98
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	05/13/98
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	05/13/98
Trichloroethene	79-01-6	ND	5	ug/L	05/13/98
Trichlorofluoromethane	75-69-4	ND	5	ug/L	05/13/98
1,2,3-Trichloropropane	96-18-4	ND	5	ug/L	05/13/98
1,2,4-Trimethylbenzene	95-63-6	ND	5	ug/L	05/13/98
1,3,5-Trimethylbenzene	108-67-8	ND	5	ug/L	05/13/98
Vinyl Chloride	75-01-4	ND	10	ug/L	05/13/98
Xylenes, Total	1230-20-7	13 *	10	ug/L	05/13/98
Acetone	67-64-1	ND	100	ug/L	05/13/98
2-Butanone	78-93-3	ND	100	ug/L	05/13/98
Carbon Disulfide	75-15-0	ND	10	ug/L	05/13/98
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	05/13/98
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	05/13/98
2-Hexanone	591-78-6	ND	50	ug/L	05/13/98
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	05/13/98
Vinyl Acetate	108-05-4	ND	50	ug/L	05/13/98
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	05/13/98

ND = Not detected at or above the reporting limit

\* = Value at or above reporting limit

## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-2  
 AEN LAB NO: 9804273-03  
 AEN WORK ORDER: 9804273  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
 DATE RECEIVED: 04/28/98  
 REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion, Metals by ICP	EPA 3010	-		Prep Date	05/05/98
EPA 8260A - Water	EPA 8260A				
Benzene	71-43-2	ND	5 ug/L		05/13/98
Bromobenzene	108-86-1	ND	5 ug/L		05/13/98
Bromochloromethane	74-97-5	ND	5 ug/L		05/13/98
Bromodichloromethane	75-27-4	ND	5 ug/L		05/13/98
Bromoform	75-25-2	ND	5 ug/L		05/13/98
Bromomethane	74-83-9	ND	10 ug/L		05/13/98
n-Butylbenzene	104-51-8	ND	5 ug/L		05/13/98
sec-Butylbenzene	135-98-8	ND	6 ug/L		05/13/98
tert-Butylbenzene	98-06-6	ND	5 ug/L		05/13/98
Carbon Tetrachloride	56-23-5	ND	5 ug/L		05/13/98
Chlorobenzene	108-90-7	ND	5 ug/L		05/13/98
Chloroethane	75-00-3	ND	10 ug/L		05/13/98
Chloroform	67-66-3	ND	5 ug/L		05/13/98
Chloromethane	74-87-3	ND	10 ug/L		05/13/98
2-Chlorotoluene	95-49-8	ND	5 ug/L		05/13/98
4-Chlorotoluene	106-43-4	ND	5 ug/L		05/13/98
Dibromochloromethane	124-48-1	ND	5 ug/L		05/13/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	5 ug/L		05/13/98
1,2-Dibromoethane	106-93-4	ND	5 ug/L		05/13/98
Dibromomethane	74-95-3	ND	5 ug/L		05/13/98
1,2-Dichlorobenzene	95-50-1	ND	5 ug/L		05/13/98
1,3-Dichlorobenzene	541-73-1	ND	5 ug/L		05/13/98
1,4-Dichlorobenzene	106-46-7	ND	5 ug/L		05/13/98
Dichlorodifluoromethane	75-71-8	ND	10 ug/L		05/13/98
1,1-Dichloroethane	75-34-3	23 *	5 ug/L		05/13/98
1,2-Dichloroethane	107-06-2	ND	5 ug/L		05/13/98
1,1-Dichloroethene	75-35-4	ND	5 ug/L		05/13/98
cis-1,2-Dichloroethene	156-59-2	100 *	5 ug/L		05/13/98
trans-1,2-Dichloroethene	156-60-5	28 *	5 ug/L		05/13/98
1,2-Dichloropropane	78-87-5	ND	5 ug/L		05/13/98
1,3-Dichloropropane	142-28-9	ND	5 ug/L		05/13/98
2,2-Dichloropropane	594-20-7	ND	5 ug/L		05/13/98
1,1-Dichloropropene	563-58-6	ND	5 ug/L		05/13/98
Ethylbenzene	100-41-4	7 *	5 ug/L		05/13/98
Hexachlorobutadiene	87-68-3	ND	5 ug/L		05/13/98
Isopropylbenzene	98-82-8	ND	5 ug/L		05/13/98
p-Isopropyltoluene	99-87-6	ND	5 ug/L		05/13/98
Methylene Chloride	75-09-2	ND	10 ug/L		05/13/98
Naphthalene	91-20-3	5 *	5 ug/L		05/13/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-2  
 AEN LAB NO: 9804273-03  
 AEN WORK ORDER: 9804273  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
 DATE RECEIVED: 04/28/98  
 REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
n-Propylbenzene	103-65-1	ND	5	ug/L	05/13/98
Styrene	100-42-5	ND	5	ug/L	05/13/98
1,1,1,2-Tetrachloroethane	630-20-6	ND	5	ug/L	05/13/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	05/13/98
Tetrachloroethene	127-18-4	130 *	5	ug/L	05/13/98
Toluene	108-88-3	ND	5	ug/L	05/13/98
1,2,3-Trichlorobenzene	87-61-6	ND	5	ug/L	05/13/98
1,2,4-Trichlorobenzene	120-82-1	ND	5	ug/L	05/13/98
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	05/13/98
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	05/13/98
Trichloroethene	79-01-6	140 *	5	ug/L	05/13/98
Trichlorofluoromethane	75-69-4	ND	5	ug/L	05/13/98
1,2,3-Trichloropropane	96-18-4	ND	5	ug/L	05/13/98
1,2,4-Trimethylbenzene	95-63-6	7 *	5	ug/L	05/13/98
1,3,5-Trimethylbenzene	108-67-8	ND	5	ug/L	05/13/98
Vinyl Chloride	75-01-4	17 *	10	ug/L	05/13/98
Xylenes, Total	1330-20-7	35 *	10	ug/L	05/13/98
Acetone	67-64-1	ND	100	ug/L	05/13/98
2-Butanone	78-93-3	ND	100	ug/L	05/13/98
Carbon Disulfide	75-15-0	ND	10	ug/L	05/13/98
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	05/13/98
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	05/13/98
2-Hexanone	591-78-6	ND	50	ug/L	05/13/98
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	05/13/98
Vinyl Acetate	108-05-4	ND	50	ug/L	05/13/98
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	05/13/98
<b>CCR 17 Metals</b>					
Silver	EPA 6010	ND	0.005	mg/L	05/06/98
Arsenic	EPA 6010	0.007 *	0.005	mg/L	05/05/98
Barium	EPA 6010	19 *	0.01	mg/L	05/05/98
Beryllium	EPA 6010	ND	0.002	mg/L	05/05/98
Cadmium	EPA 6010	ND	0.005	mg/L	05/05/98
Cobalt	EPA 6010	ND	0.005	mg/L	05/05/98
Chromium	EPA 6010	ND	0.01	mg/L	05/05/98
Copper	EPA 6010	ND	0.01	mg/L	05/05/98
Mercury	EPA 7470	ND	0.0002	mg/L	05/04/98
Molybdenum	EPA 6010	ND	0.01	mg/L	05/05/98
Nickel	EPA 6010	0.01 *	0.01	mg/L	05/05/98
Lead	EPA 6010	ND	0.04	mg/L	05/05/98
Antimony	EPA 6010	ND	0.02	mg/L	05/05/98
Selenium	EPA 6010	ND	0.01	mg/L	05/05/98
Thallium	EPA 6010	ND	0.05	mg/L	05/05/98

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## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-2  
AEN LAB NO: 9804273-03  
AEN WORK ORDER: 9804273  
CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
DATE RECEIVED: 04/28/98  
REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Vanadium	EPA 6010	ND	0.005	mg/L	05/05/98
Zinc	EPA 6010	ND	0.01	mg/L	05/05/98

ND = Not detected at or above the reporting limit  
\* = Value at or above reporting limit

## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-3  
 AEN LAB NO: 9804273-04  
 AEN WORK ORDER: 9804273  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
 DATE RECEIVED: 04/28/98  
 REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
EPA 8260A - Water	EPA 8260A				
Benzene	71-43-2	ND	5 ug/L		05/13/98
Bromobenzene	108-86-1	ND	5 ug/L		05/13/98
Bromochloromethane	74-97-5	ND	5 ug/L		05/13/98
Bromodichloromethane	75-27-4	ND	5 ug/L		05/13/98
Bromoform	75-25-2	ND	5 ug/L		05/13/98
Bromomethane	74-83-9	ND	10 ug/L		05/13/98
n-Butylbenzene	104-51-8	ND	5 ug/L		05/13/98
sec-Butylbenzene	135-98-8	ND	5 ug/L		05/13/98
tert-Butylbenzene	98-06-6	ND	5 ug/L		05/13/98
Carbon Tetrachloride	56-23-5	ND	5 ug/L		05/13/98
Chlorobenzene	108-90-7	ND	5 ug/L		05/13/98
Chloroethane	75-00-3	ND	10 ug/L		05/13/98
Chloroform	67-66-3	ND	5 ug/L		05/13/98
Chloromethane	74-87-3	ND	10 ug/L		05/13/98
2-Chlorotoluene	95-49-8	ND	5 ug/L		05/13/98
4-Chlorotoluene	106-43-4	ND	5 ug/L		05/13/98
Dibromochloromethane	124-48-1	ND	5 ug/L		05/13/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	5 ug/L		05/13/98
1,2-Dibromoethane	106-93-4	ND	5 ug/L		05/13/98
Dibromomethane	74-95-3	ND	5 ug/L		05/13/98
1,2-Dichlorobenzene	95-50-1	ND	5 ug/L		05/13/98
1,3-Dichlorobenzene	541-73-1	ND	5 ug/L		05/13/98
1,4-Dichlorobenzene	106-46-7	ND	5 ug/L		05/13/98
Dichlorodifluoromethane	75-71-8	ND	10 ug/L		05/13/98
1,1-Dichloroethane	75-34-3	28 *	5 ug/L		05/13/98
1,2-Dichloroethane	107-06-2	ND	5 ug/L		05/13/98
1,1-Dichloroethene	75-35-4	9 *	5 ug/L		05/13/98
cis-1,2-Dichloroethene	156-59-2	154 *	5 ug/L		05/13/98
trans-1,2-Dichloroethene	156-60-5	19 *	5 ug/L		05/13/98
1,2-Dichloropropane	78-87-5	ND	5 ug/L		05/13/98
1,3-Dichloropropane	142-28-9	ND	5 ug/L		05/13/98
2,2-Dichloropropane	594-20-7	ND	5 ug/L		05/13/98
1,1-Dichloropropene	563-58-6	ND	5 ug/L		05/13/98
Ethylbenzene	100-41-4	11 *	5 ug/L		05/13/98
Hexachlorobutadiene	87-68-3	ND	5 ug/L		05/13/98
Isopropylbenzene	98-82-8	ND	5 ug/L		05/13/98
p-Isopropyltoluene	99-87-6	ND	5 ug/L		05/13/98
Methylene Chloride	75-09-2	ND	10 ug/L		05/13/98
Naphthalene	91-20-3	ND	5 ug/L		05/13/98
n-Propylbenzene	103-65-1	ND	5 ug/L		05/13/98
Styrene	100-42-5	ND	5 ug/L		05/13/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: MW-3  
 AEN LAB NO: 9804273-04  
 AEN WORK ORDER: 9804273  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
 DATE RECEIVED: 04/28/98  
 REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,1,1,2-Tetrachloroethane	630-20-6	ND		5 ug/L	05/13/98
1,1,2,2-Tetrachloroethane	79-34-5	ND		5 ug/L	05/13/98
Tetrachloroethene	127-18-4	31 *		5 ug/L	05/13/98
Toluene	108-88-3	210 (E) *		5 ug/L	05/13/98
1,2,3-Trichlorobenzene	87-61-6	ND		5 ug/L	05/13/98
1,2,4-Trichlorobenzene	120-82-1	ND		5 ug/L	05/13/98
1,1,1-Trichloroethane	71-55-6	7 *		5 ug/L	05/13/98
1,1,2-Trichloroethane	79-00-5	ND		5 ug/L	05/13/98
Trichloroethene	79-01-6	150 *		5 ug/L	05/13/98
Trichlorofluoromethane	75-69-4	ND		5 ug/L	05/13/98
1,2,3-Trichloropropane	96-18-4	ND		5 ug/L	05/13/98
1,2,4-Trimethylbenzene	95-63-6	ND		5 ug/L	05/13/98
1,3,5-Trimethylbenzene	108-67-8	ND		5 ug/L	05/13/98
Vinyl Chloride	75-01-4	130 *		10 ug/L	05/13/98
Xylenes, Total	1330-20-7	65 *		10 ug/L	05/13/98
Acetone	67-64-1	ND		100 ug/L	05/13/98
2-Butanone	78-93-3	ND		100 ug/L	05/13/98
Carbon Disulfide	75-15-0	ND		10 ug/L	05/13/98
cis-1,3-Dichloropropene	10061-01-5	ND		5 ug/L	05/13/98
trans-1,3-Dichloropropene	10061-02-6	ND		5 ug/L	05/13/98
2-Hexanone	591-78-6	ND		50 ug/L	05/13/98
4-Methyl-2-pentanone	108-10-1	ND		50 ug/L	05/13/98
Vinyl Acetate	108-05-4	ND		50 ug/L	05/13/98
2-Chloroethyl Vinyl Ether	110-75-8	ND		10 ug/L	05/13/98

ND = Not detected at or above the reporting limit

\* = Value at or above reporting limit


9804273

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**CHAIN-OF-CUSTODY RECORD** Date: 4/27/98 Page 1 of 1

Project No.: <u>4710</u>			HANCOCK										REMARKS							
Samplers (Signature): <i>Will Caldwell</i> <i>JL Post</i>			EPA Method 8010	EPA Method 8920	EPA Method 8240 (BTEX only)	EPA Method 8240	EPA Method 8270	TPH as gasoline	TPH as diesel	EPA Method 8210	CAMP	PHG	PHG	PHG	PHG	Cooled	Soil (S), Water (W), or Vapor (V)	Acidified	Number of containers	Additional Comments
Date	Time	Sample Number																		
<u>4/27/98</u>	<u>1030</u>	<u>MW-4</u>							X	X	X	X	X		X	W	Y	9	1A-1I	
	<u>1115</u>	<u>MW-1</u>							X	X	X	X	X		X	W	Y	8	2A-2H	
	<u>1150</u>	<u>MW-2</u>							X	X	X	X	X		X	W	Y	9	3A-3C	
	<u>1400</u>	<u>MW-3</u>							X	X	X	X	X		X	W	Y	8	4A-4H	
<u>↓</u>	<u>1430</u>	<u>MW-5</u>							X	X	X	X	X		X	W	Y	8	5A-5H	
<u>↓</u>	<u>1500</u>	<u>MW-6</u>									X	X	X	X	X	W	Y	8	6A-6H	

Turnaround time: \_\_\_\_\_ Results to: Jennifer Patterson Total No. of containers: 50

Relinquished by (signature): <i>Will Caldwell</i> Printed Name: <b>Will Caldwell</b> Company: <b>GEOMATRIX</b>	Date:  Time:	Relinquished by (signature):  Printed Name:  Company:	Date:  Time:	Relinquished by (signature):  Printed Name:  Company:	Date:  Time:	Method of Shipment:  Laboratory Comments and Log No.:
Received by (signature): <i>Paul C. Richeda</i> Printed Name: <b>PAUL C RICHEDA</b> Company: <b>AEN</b>	Date: <u>4/28</u> Time: <u>1400</u>	Received by (signature):  Printed Name:  Company:	Date:  Time:	Received by (signature):  Printed Name:  Company:	Date:  Time:	 <b>Geomatrix Consultants</b> 100 Pine Street, 10th Floor San Francisco, California 94111 415 434 9400

Form PFI.012 (Revised 12/95)

GEOMATRIX SF

05/28/98 TUE 08:36 FAX 415 434 1365

MAY-13-98 WED 12:41 AEN CALIFORNIA FAX NO. 5109300258 P. 13/13



GEOMATRIX CONSULTANTS

SAMPLE ID: MW-5  
AEN LAB NO: 9804273-05  
AEN WORK ORDER: 9804273  
CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/27/98  
DATE RECEIVED: 04/28/98  
REPORT DATE: 05/13/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
EPA 8260A - Water	EPA 8260A				

ND = Not detected at or above the reporting limit  
\* = Value at or above reporting limit

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## GEOMATRIX CONSULTANTS

SAMPLE ID: S-03  
 AEN LAB NO: 9804229-05  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion, for Furnace	EPA 3050	-		Prep Date	04/30/98
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	ND	20 mg/kg		05/01/98
Selenium	EPA 6010	ND	20 mg/kg		05/01/98
EPA 8260A - Soil	EPA 8260A				
Benzene	71-43-2	ND	30 ug/Kg		05/03/98
Bromobenzene	108-86-1	ND	30 ug/Kg		05/03/98
Bromochloromethane	74-97-5	ND	30 ug/Kg		05/03/98
Bromodichloromethane	75-27-4	ND	50 ug/Kg		05/03/98
Bromoform	75-25-2	ND	30 ug/Kg		05/03/98
Bromomethane	74-83-9	ND	50 ug/Kg		05/03/98
n-Butylbenzene	104-51-8	ND	30 ug/Kg		05/03/98
sec-Butylbenzene	135-98-8	30 *	30 ug/Kg		05/03/98
tert-Butylbenzene	98-06-6	ND	30 ug/Kg		05/03/98
Carbon Tetrachloride	56-23-5	ND	30 ug/Kg		05/03/98
Chlorobenzene	108-90-7	ND	30 ug/Kg		05/03/98
Chloroethane	75-00-3	ND	50 ug/Kg		05/03/98
Chloroform	67-66-3	ND	30 ug/Kg		05/03/98
Chloromethane	74-87-3	ND	50 ug/Kg		05/03/98
2-Chlorotoluene	95-49-8	ND	30 ug/Kg		05/03/98
4-Chlorotoluene	106-43-4	ND	30 ug/Kg		05/03/98
Dibromochloromethane	124-48-1	ND	30 ug/Kg		05/03/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	100 ug/Kg		05/03/98
1,2-Dibromoethane	106-93-4	ND	30 ug/Kg		05/03/98
Dibromomethane	74-95-3	ND	30 ug/Kg		05/03/98
1,2-Dichlorobenzene	95-50-1	ND	30 ug/Kg		05/03/98
1,3-Dichlorobenzene	641-73-1	ND	30 ug/Kg		05/03/98
1,4-Dichlorobenzene	106-46-7	ND	30 ug/Kg		05/03/98
Dichlorodifluoromethane	75-71-8	ND	50 ug/Kg		05/03/98
1,1-Dichloroethane	75-34-3	ND	30 ug/Kg		05/03/98
1,2-Dichloroethane	107-06-2	ND	30 ug/Kg		05/03/98
1,1-Dichloroethene	75-35-4	ND	30 ug/Kg		05/03/98
cis-1,2-Dichloroethene	156-59-2	ND	30 ug/Kg		05/03/98
trans-1,2-Dichloroethene	156-60-5	ND	30 ug/Kg		05/03/98
1,2-Dichloropropane	78-87-5	ND	30 ug/Kg		05/03/98
1,3-Dichloropropane	142-28-9	ND	30 ug/Kg		05/03/98
2,2-Dichloropropane	594-20-7	ND	30 ug/Kg		05/03/98
1,1-Dichloropropane	563-58-6	ND	30 ug/Kg		05/03/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: S-03  
 AEN LAB NO: 9804229-05  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Ethylbenzene	100-41-4	30 *	30	ug/Kg	05/03/98
Hexachlorobutadiene	87-68-3	ND	30	ug/Kg	05/03/98
Isopropylbenzene	98-82-8	ND	30	ug/Kg	05/03/98
p-Isopropyltoluene	99-87-6	30 *	30	ug/Kg	05/03/98
Methylene Chloride	75-09-2	ND	50	ug/Kg	05/03/98
Naphthalene	91-20-3	160 *	30	ug/Kg	05/03/98
n-Propylbenzene	103-65-1	40 *	30	ug/Kg	05/03/98
Styrene	100-42-5	ND	30	ug/Kg	05/03/98
1,1,1,2-Tetrachloroethane	630-20-6	ND	30	ug/Kg	05/03/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	30	ug/Kg	05/03/98
Tetrachloroethane	127-18-4	ND	30	ug/Kg	05/03/98
Toluene	108-88-3	ND	30	ug/Kg	05/03/98
1,2,3-Trichlorobenzene	87-61-6	ND	30	ug/Kg	05/03/98
1,2,4-Trichlorobenzene	120-82-1	ND	30	ug/Kg	05/03/98
1,1,1-Trichloroethane	71-55-6	ND	30	ug/Kg	05/03/98
1,1,2-Trichloroethane	79-00-5	ND	30	ug/Kg	05/03/98
Trichloroethane	79-01-5	ND	30	ug/Kg	05/03/98
Trichlorofluoromethane	75-69-4	ND	30	ug/Kg	05/03/98
1,2,3-Trichloropropane	96-18-4	ND	30	ug/Kg	05/03/98
1,2,4-Trimethylbenzene	95-63-6	240 *	30	ug/Kg	05/03/98
1,3,5-Trimethylbenzene	108-67-8	53 *	30	ug/Kg	05/03/98
Vinyl Chloride	75-01-4	ND	50	ug/Kg	05/03/98
Xylenes, Total	1330-20-7	180 *	50	ug/Kg	05/03/98
Acetone	67-64-1	ND	500	ug/Kg	05/03/98
2-Butanone	78-93-3	ND	500	ug/Kg	05/03/98
Carbon Disulfide	75-15-0	ND	50	ug/Kg	05/03/98
cis-1,3-Dichloropropene	10061-01-5	ND	30	ug/Kg	05/03/98
trans-1,3-Dichloropropene	10061-02-6	ND	30	ug/Kg	05/03/98
2-Hexanone	591-78-6	ND	300	ug/Kg	05/03/98
4-Methyl-2-pentanone	108-10-1	ND	300	ug/Kg	05/03/98
Vinyl Acetate	108-05-4	ND	300	ug/Kg	05/03/98
2-Chloroethyl Vinyl Ether	110-75-8	ND	50	ug/Kg	05/03/98
<b>CCR 17 Metals</b>					
Silver	EPA 6010	ND	0.5	mg/kg	05/01/98
Barium	EPA 6010	190 *	5	mg/kg	05/01/98
Beryllium	EPA 6010	ND	0.5	mg/kg	05/01/98
Cadmium	EPA 6010	ND	0.5	mg/kg	05/01/98
Cobalt	EPA 6010	7 *	1	mg/kg	05/01/98
Chromium	EPA 6010	32 *	2	mg/kg	05/01/98
Copper	EPA 6010	12 *	2	mg/kg	05/01/98
Mercury	EPA 7471	ND	0.06	mg/kg	05/03/98
Molybdenum	EPA 6010	ND	2	mg/kg	05/01/98

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## GEOMATRIX CONSULTANTS

SAMPLE ID: S-03  
 AEN LAB NO: 9804229-05  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Nickel	EPA 6010	19 *	2	mg/kg	05/01/98
Lead	EPA 6010	7 *	4	mg/kg	05/01/98
Antimony	EPA 6010	ND	5	mg/kg	05/01/98
Thallium	EPA 6010	ND	50	mg/kg	05/01/98
Vanadium	EPA 6010	35 *	2	mg/kg	05/01/98
Zinc	EPA 6010	23 *	5	mg/kg	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

## GEOMATRIX CONSULTANTS

SAMPLE ID: S-05  
 AEN LAB NO: 9804229-06  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion, for Furnace	EPA 3050	-		Prep Date	04/30/98
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	ND	20 mg/kg		05/01/98
Selenium	EPA 6010	ND	20 mg/kg		05/01/98
EPA 8260A - Soil	EPA 8260A				
Benzene	71-43-2	ND	3000 ug/Kg		05/03/98
Bromobenzene	108-86-1	ND	3000 ug/Kg		05/03/98
Bromochloromethane	74-97-5	ND	3000 ug/Kg		05/03/98
Bromodichloromethane	75-27-4	ND	5000 ug/Kg		05/03/98
Bromoform	75-25-2	ND	3000 ug/Kg		05/03/98
Bromomethane	74-83-9	ND	5000 ug/Kg		05/03/98
n-Butylbenzene	104-51-8	6,500 *	3000 ug/Kg		05/03/98
sec-Butylbenzene	135-98-8	6,000 *	3000 ug/Kg		05/03/98
tert-Butylbenzene	98-06-6	ND	3000 ug/Kg		05/03/98
Carbon Tetrachloride	56-23-5	ND	3000 ug/Kg		05/03/98
Chlorobenzene	108-90-7	ND	3000 ug/Kg		05/03/98
Chloroethane	75-00-3	ND	5000 ug/Kg		05/03/98
Chloroform	67-66-3	ND	3000 ug/Kg		05/03/98
Chloromethane	74-87-3	ND	5000 ug/Kg		05/03/98
2-Chlorotoluene	95-49-8	ND	3000 ug/Kg		05/03/98
4-Chlorotoluene	106-43-4	ND	3000 ug/Kg		05/03/98
Dibromochloromethane	124-48-1	ND	3000 ug/Kg		05/03/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	10000 ug/Kg		05/03/98
1,2-Dibromoethane	106-93-4	ND	3000 ug/Kg		05/03/98
Dibromomethane	74-95-3	ND	3000 ug/Kg		05/03/98
1,2-Dichlorobenzene	95-50-1	ND	3000 ug/Kg		05/03/98
1,3-Dichlorobenzene	541-73-1	ND	3000 ug/Kg		05/03/98
1,4-Dichlorobenzene	106-46-7	ND	3000 ug/Kg		05/03/98
Dichlorodifluoromethane	75-71-8	ND	5000 ug/Kg		05/03/98
1,1-Dichloroethane	75-34-3	ND	3000 ug/Kg		05/03/98
1,2-Dichloroethane	107-06-2	ND	3000 ug/Kg		05/03/98
1,1-Dichloroethene	75-35-4	ND	3000 ug/Kg		05/03/98
cis-1,2-Dichloroethene	156-59-2	ND	3000 ug/Kg		05/03/98
trans-1,2-Dichloroethene	156-60-5	ND	3000 ug/Kg		05/03/98
1,2-Dichloropropane	78-87-5	ND	3000 ug/Kg		05/03/98
1,3-Dichloropropane	142-28-9	ND	3000 ug/Kg		05/03/98
2,2-Dichloropropane	594-20-7	ND	3000 ug/Kg		05/03/98
1,1-Dichloropropene	563-58-6	ND	3000 ug/Kg		05/03/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: S-05  
 AEN LAB NO: 9804229-06  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Ethylbenzene	100-41-4	ND	3000	ug/Kg	05/03/98
Hexachlorobutadiene	87-68-3	ND	3000	ug/Kg	05/03/98
Isopropylbenzene	98-82-8	4,000 *	3000	ug/Kg	05/03/98
p-Isopropyltoluene	99-87-6	ND	3000	ug/Kg	05/03/98
Methylene Chloride	75-09-2	ND	5000	ug/Kg	05/03/98
Naphthalene	91-20-3	5,100 *	3000	ug/Kg	05/03/98
n-Propylbenzene	103-65-1	5,900 *	3000	ug/Kg	05/03/98
Styrene	100-42-5	ND	3000	ug/Kg	05/03/98
1,1,1,2-Tetrachloroethane	630-20-6	ND	3000	ug/Kg	05/03/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	3000	ug/Kg	05/03/98
Tetrachloroethene	127-18-4	ND	3000	ug/Kg	05/03/98
Toluene	108-88-3	ND	3000	ug/Kg	05/03/98
1,2,3-Trichlorobenzene	87-61-6	ND	3000	ug/Kg	05/03/98
1,2,4-Trichlorobenzene	120-82-1	ND	3000	ug/Kg	05/03/98
1,1,1-Trichloroethane	71-55-6	ND	3000	ug/Kg	05/03/98
1,1,2-Trichloroethane	79-00-5	ND	3000	ug/Kg	05/03/98
Trichloroethene	79-01-6	ND	3000	ug/Kg	05/03/98
Trichlorofluoromethane	75-69-4	ND	3000	ug/Kg	05/03/98
1,2,3-Trichloropropane	96-18-4	ND	3000	ug/Kg	05/03/98
1,2,4-Trimethylbenzene	95-63-6	ND	3000	ug/Kg	05/03/98
1,3,5-Trimethylbenzene	108-67-8	ND	3000	ug/Kg	05/03/98
Vinyl Chloride	75-01-4	ND	5000	ug/Kg	05/03/98
Xylenes, Total	1330-20-7	ND	5000	ug/Kg	05/03/98
Acetone	67-64-1	ND	50000	ug/Kg	05/03/98
2-Butanone	78-93-3	ND	50000	ug/Kg	05/03/98
Carbon Disulfide	75-15-0	ND	5000	ug/Kg	05/03/98
cis-1,3-Dichloropropene	10061-01-5	ND	3000	ug/Kg	05/03/98
trans-1,3-Dichloropropene	10061-02-6	ND	3000	ug/Kg	05/03/98
2-Hexanone	591-78-6	ND	30000	ug/Kg	05/03/98
4-Methyl-2-pentanone	108-10-1	ND	30000	ug/Kg	05/03/98
Vinyl Acetate	108-05-4	ND	30000	ug/Kg	05/03/98
2-Chloroethyl Vinyl Ether	110-75-8	ND	5000	ug/Kg	05/03/98
<b>CCR 17 Metals</b>					
Silver	EPA 6010	ND	0.5	mg/kg	05/01/98
Barium	EPA 6010	140 *	5	mg/kg	05/01/98
Beryllium	EPA 6010	0.6 *	0.5	mg/kg	05/01/98
Cadmium	EPA 6010	ND	0.5	mg/kg	05/01/98
Cobalt	EPA 6010	13 *	1	mg/kg	05/01/98
Chromium	EPA 6010	68 *	2	mg/kg	05/01/98
Copper	EPA 6010	20 *	2	mg/kg	05/01/98
Mercury	EPA 7471	0.09 *	0.06	mg/kg	05/03/98
Molybdenum	EPA 6010	ND	2	mg/kg	05/01/98

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## GEOMATRIX CONSULTANTS

SAMPLE ID: S-05  
 AEN LAB NO: 9804229-06  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Nickel	EPA 6010	79 *		2 mg/kg	05/01/98
Lead	EPA 6010	45 *		4 mg/kg	05/01/98
Antimony	EPA 6010	ND		5 mg/kg	05/01/98
Thallium	EPA 6010	ND		50 mg/kg	05/01/98
Vanadium	EPA 6010	40 *		2 mg/kg	05/01/98
Zinc	EPA 6010	77 *		5 mg/kg	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

## GEOMATRIX CONSULTANTS

SAMPLE ID: S-04  
 AEN LAB NO: 9804229-07  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion, for Furnace	EPA 3050	-		Prep Date	04/30/98
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	ND	20 mg/kg		05/01/98
Selenium	EPA 6010	ND	20 mg/kg		05/01/98
EPA 8260A - Soil	EPA 8260A				
Benzene	71-43-2	ND	300 ug/Kg		05/03/98
Bromobenzene	108-86-1	ND	300 ug/Kg		05/03/98
Bromochloromethane	74-97-5	ND	300 ug/Kg		05/03/98
Bromodichloromethane	75-27-4	ND	500 ug/Kg		05/03/98
Bromoform	75-25-2	ND	300 ug/Kg		05/03/98
Bromomethane	74-83-9	ND	500 ug/Kg		05/03/98
n-Butylbenzene	104-51-8	ND	300 ug/Kg		05/03/98
sec-Butylbenzene	135-98-8	ND	300 ug/Kg		05/03/98
tert-Butylbenzene	98-06-6	ND	300 ug/Kg		05/03/98
Carbon Tetrachloride	56-23-5	ND	300 ug/Kg		05/03/98
Chlorobenzene	108-90-7	ND	300 ug/Kg		05/03/98
Chloroethane	75-00-3	ND	500 ug/Kg		05/03/98
Chloroform	67-68-3	ND	300 ug/Kg		05/03/98
Chloromethane	74-87-3	ND	500 ug/Kg		05/03/98
2-Chlorotoluene	95-49-8	ND	300 ug/Kg		05/03/98
4-Chlorotoluene	106-43-4	ND	300 ug/Kg		05/03/98
Dibromochloromethane	124-48-1	ND	300 ug/Kg		05/03/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	1000 ug/Kg		05/03/98
1,2-Dibromoethane	106-93-4	ND	300 ug/Kg		05/03/98
Dibromomethane	74-95-3	ND	300 ug/Kg		05/03/98
1,2-Dichlorobenzene	95-50-1	ND	300 ug/Kg		05/03/98
1,3-Dichlorobenzene	541-73-1	ND	300 ug/Kg		05/03/98
1,4-Dichlorobenzene	106-46-7	ND	300 ug/Kg		05/03/98
Dichlorodifluoromethane	75-71-8	ND	500 ug/Kg		05/03/98
1,1-Dichloroethane	75-34-3	ND	300 ug/Kg		05/03/98
1,2-Dichloroethane	107-06-2	ND	300 ug/Kg		05/03/98
1,1-Dichloroethene	75-35-4	ND	300 ug/Kg		05/03/98
cis-1,2-Dichloroethene	156-59-2	ND	300 ug/Kg		05/03/98
trans-1,2-Dichloroethene	156-60-5	ND	300 ug/Kg		05/03/98
1,2-Dichloropropane	78-87-5	ND	300 ug/Kg		05/03/98
1,3-Dichloropropane	142-28-9	ND	300 ug/Kg		05/03/98
2,2-Dichloropropane	594-20-7	ND	300 ug/Kg		05/03/98
1,1-Dichloropropene	563-58-6	ND	300 ug/Kg		05/03/98



## GEOMATRIX CONSULTANTS

SAMPLE ID: S-04  
 AEN LAB NO: 9804229-07  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Ethylbenzene	100-41-4	ND	300	ug/Kg	05/03/98
Hexachlorobutadiene	87-68-3	ND	300	ug/Kg	05/03/98
Isopropylbenzene	98-82-8	ND	300	ug/Kg	05/03/98
p-Isopropyltoluene	99-87-6	300 *	300	ug/Kg	05/03/98
Methylene Chloride	75-09-2	ND	500	ug/Kg	05/03/98
Naphthalene	91-20-3	ND	300	ug/Kg	05/03/98
n-Propylbenzene	103-65-1	300 *	300	ug/Kg	05/03/98
Styrene	100-42-5	ND	300	ug/Kg	05/03/98
1,1,1,2-Tetrachloroethane	630-20-6	ND	300	ug/Kg	05/03/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	300	ug/Kg	05/03/98
Tetrachloroethene	127-18-4	ND	300	ug/Kg	05/03/98
Toluene	108-88-3	ND	300	ug/Kg	05/03/98
1,2,3-Trichlorobenzene	87-61-6	ND	300	ug/Kg	05/03/98
1,2,4-Trichlorobenzene	120-82-1	ND	300	ug/Kg	05/03/98
1,1,1-Trichloroethane	71-55-6	ND	300	ug/Kg	05/03/98
1,1,2-Trichloroethane	79-00-5	ND	300	ug/Kg	05/03/98
Trichloroethene	79-01-6	ND	300	ug/Kg	05/03/98
Trichlorofluoromethane	75-69-4	ND	300	ug/Kg	05/03/98
1,2,3-Trichloropropane	96-18-4	ND	300	ug/Kg	05/03/98
1,2,4-Trimethylbenzene	95-63-6	1,900 *	300	ug/Kg	05/03/98
1,3,5-Trimethylbenzene	108-67-8	1,400 *	300	ug/Kg	05/03/98
Vinyl Chloride	75-01-4	ND	500	ug/Kg	05/03/98
Xylenes, Total	1330-20-7	1,100 *	500	ug/Kg	05/03/98
Acetone	67-64-1	ND	5000	ug/Kg	05/03/98
2-Butanone	78-93-3	ND	5000	ug/Kg	05/03/98
Carbon Disulfide	75-15-0	ND	500	ug/Kg	05/03/98
cis-1,3-Dichloropropene	10061-01-5	ND	300	ug/Kg	05/03/98
trans-1,3-Dichloropropene	10061-02-6	ND	300	ug/Kg	05/03/98
2-Hexanone	591-78-6	ND	3000	ug/Kg	05/03/98
4-Methyl-2-pentanone	108-10-1	ND	3000	ug/Kg	05/03/98
Vinyl Acetate	108-05-4	ND	3000	ug/Kg	05/03/98
2-Chloroethyl Vinyl Ether	110 75 8	ND	500	ug/Kg	05/03/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.5	mg/kg	05/01/98
Barium	EPA 6010	160 *	5	mg/kg	05/01/98
Beryllium	EPA 6010	ND	0.5	mg/kg	05/01/98
Cadmium	EPA 6010	0.6 *	0.5	mg/kg	05/01/98
Cobalt	EPA 6010	8 *	1	mg/kg	05/01/98
Chromium	EPA 6010	120 *	2	mg/kg	05/01/98
Copper	EPA 6010	40 *	2	mg/kg	05/01/98
Mercury	EPA 7471	0.51 *	0.06	mg/kg	05/03/98
Molybdenum	EPA 6010	3 *	2	mg/kg	05/01/98

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## GEOMATRIX CONSULTANTS

SAMPLE ID: S-04  
 AEN LAB NO: 9804229-07  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Nickel	EPA 6010	37 *	2	mg/kg	05/01/98
Lead	EPA 6010	60 *	4	mg/kg	05/01/98
Antimony	EPA 6010	ND	5	mg/kg	05/01/98
Thallium	EPA 6010	ND	50	mg/kg	05/01/98
Vanadium	EPA 6010	42 *	2	mg/kg	05/01/98
Zinc	EPA 6010	140 *	5	mg/kg	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

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## GEOMATRIX CONSULTANTS

SAMPLE ID: S-06  
 AEN LAB NO: 9804229-08  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion, for Furnace	EPA 3050	-		Prep Date	04/30/98
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	ND	20	mg/kg	05/01/98
Selenium	EPA 6010	ND	20	mg/kg	05/01/98
<b>CCR 17 Metals</b>					
Silver	EPA 6010	ND	0.5	mg/kg	05/01/98
Barium	EPA 6010	1,800 *	5	mg/kg	05/01/98
Beryllium	EPA 6010	ND	0.5	mg/kg	05/01/98
Cadmium	EPA 6010	1.5 *	0.5	mg/kg	05/01/98
Cobalt	EPA 6010	10 *	1	mg/kg	05/01/98
Chromium	EPA 6010	37 *	2	mg/kg	05/01/98
Copper	EPA 6010	53 *	2	mg/kg	05/01/98
Mercury	EPA 7471	0.32 *	0.06	mg/kg	05/03/98
Molybdenum	EPA 6010	ND	2	mg/kg	05/01/98
Nickel	EPA 6010	26 *	2	mg/kg	05/01/98
Lead	EPA 6010	240 *	4	mg/kg	05/01/98
Antimony	EPA 6010	ND	5	mg/kg	05/01/98
Thallium	EPA 6010	ND	50	mg/kg	05/01/98
Vanadium	EPA 6010	36 *	2	mg/kg	05/01/98
Zinc	EPA 6010	630 *	5	mg/kg	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

## GEOMATRIX CONSULTANTS

SAMPLE ID: S-07,08 (COMP)  
 AEN LAB NO: 9804229-11  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion. for Furnace	EPA 3050	-		Prep Date	04/30/98
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	ND	20	mg/kg	05/01/98
Selenium	EPA 6010	ND	20	mg/kg	05/01/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.5	mg/kg	05/01/98
Barium	EPA 6010	560 *	5	mg/kg	05/01/98
Beryllium	EPA 6010	ND	0.5	mg/kg	05/01/98
Cadmium	EPA 6010	1.8 *	0.5	mg/kg	05/01/98
Cobalt	EPA 6010	10 *	1	mg/kg	05/01/98
Chromium	EPA 6010	38 *	2	mg/kg	05/01/98
Copper	EPA 6010	41 *	2	mg/kg	05/01/98
Mercury	EPA 7471	0.24 *	0.06	mg/kg	05/03/98
Molybdenum	EPA 6010	ND	2	mg/kg	05/01/98
Nickel	EPA 6010	41 *	2	mg/kg	05/01/98
Lead	EPA 6010	430 *	4	mg/kg	05/01/98
Antimony	EPA 6010	ND	5	mg/kg	05/01/98
Thallium	EPA 6010	ND	50	mg/kg	05/01/98
Vanadium	EPA 6010	27 *	2	mg/kg	05/01/98
Zinc	EPA 6010	720 *	5	mg/kg	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

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## GEOMATRIX CONSULTANTS

SAMPLE ID: S-01.02 (COMP)  
 AEN LAB NO: 9804229-12  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion, for Furnace	EPA 3050	-		Prep Date	04/30/98
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	ND	20	mg/kg	05/01/98
Selenium	EPA 6010	ND	20	mg/kg	05/01/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.5	mg/kg	05/01/98
Barium	EPA 6010	300 *	5	mg/kg	05/01/98
Beryllium	EPA 6010	ND	0.5	mg/kg	05/01/98
Cadmium	EPA 6010	ND	0.5	mg/kg	05/01/98
Cobalt	EPA 6010	8 *	1	mg/kg	05/01/98
Chromium	EPA 6010	33 *	2	mg/kg	05/01/98
Copper	EPA 6010	33 *	2	mg/kg	05/01/98
Mercury	EPA 7471	0.07 *	0.06	mg/kg	05/03/98
Molybdenum	EPA 6010	ND	2	mg/kg	05/01/98
Nickel	EPA 6010	28 *	2	mg/kg	05/01/98
Lead	EPA 6010	84 *	4	mg/kg	05/01/98
Antimony	EPA 6010	ND	5	mg/kg	05/01/98
Thallium	EPA 6010	ND	50	mg/kg	05/01/98
Vanadium	EPA 6010	30 *	2	mg/kg	05/01/98
Zinc	EPA 6010	150 *	5	mg/kg	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

## GEOMATRIX CONSULTANTS

SAMPLE ID: S-09,10 (COMP)  
 AEN LAB NO: 9804229-13  
 AEN WORK ORDER: 9804229  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/07/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion, for Furnace	EPA 3050	-		Prep Date	04/30/98
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	40 *	20	mg/kg	05/01/98
Selenium	EPA 6010	ND	20	mg/kg	05/01/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.5	mg/kg	05/01/98
Barium	EPA 6010	870 *	5	mg/kg	05/01/98
Beryllium	EPA 6010	ND	0.5	mg/kg	05/01/98
Cadmium	EPA 6010	2.0 *	0.5	mg/kg	05/01/98
Cobalt	EPA 6010	16 *	1	mg/kg	05/01/98
Chromium	EPA 6010	71 *	2	mg/kg	05/01/98
Copper	EPA 6010	120 *	2	mg/kg	05/01/98
Mercury	EPA 7471	0.46 *	0.05	mg/kg	05/03/98
Molybdenum	EPA 6010	ND	2	mg/kg	05/01/98
Nickel	EPA 6010	43 *	2	mg/kg	05/01/98
Lead	EPA 6010	410 *	4	mg/kg	05/01/98
Antimony	EPA 6010	ND	5	mg/kg	05/01/98
Thallium	EPA 6010	ND	50	mg/kg	05/01/98
Vanadium	EPA 6010	40 *	2	mg/kg	05/01/98
Zinc	EPA 6010	490 *	5	mg/kg	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

R4SD

9804229

MAY-07-98 THU 15:20

AEN CALIFORNIA

FAX NO. 5109300256

P. 15/15

**Chain-of-Custody Record** No **4217** Date: **4/22/98** Page **1** of **1**


Project No. <b>4710</b>			ANALYSES										REMARKS				
Samplers (Signatures): <i>Chel Culer</i>			EPA Method 8010	EPA Method 8020	EPA Method 8240	EPA Method 8270	TPH as gasoline	TPH as diesel	TPH as BTEX	CAM 17 Metals	VOCs 8260	HLDD	Cooled	Soil (S) or water (W)	Acidified	Number of containers	Additional comments
Date	Time	Sample Number															
IA	4/22 0925	S-07	> IIA						X				X	S		1	Do Not run metals until you talk with Jennifer Patterson. Some samples may need to be composited.  20 4/25/98 <del>HOLD</del> S-09 S-10
2A	4/22 0950	S-08							X				X	S		1	
3A	4/22 1002	S-01	> IZA						X				X	S		1	
4A	4/22 1025	S-02							X				X	S		1	
5A	4/22 1040	S-03							X	X			X	S		1	
6A	4/22 1100	S-05							X	X			X	S		1	
7A	4/22 1125	S-04							X	X			X	S		1	
8A	4/22 1420	S-06							X	X			X	S		1	
9A	4/22 1445	S-09	> IZA						X	X	HOLD		X	S		1	
10A	4/22 1500	S-10							X	X	HOLD		X	S		1	

Turnaround time: **STANDARD** Results to: **Jennifer Patterson** Total No. of containers: **10**

Relinquished by: **Charlie Crocker**  
 Signature: *Chel Culer*  
 Printed name: **Chel Culer**  
 Company: **Geometrix**  
 Received by: **Rick Gilmore**  
 Signature: *Rick Gilmore*  
 Printed name: **RICK GILMORE**  
 Company: **AEN**

Date: **4/22/98**  
 Relinquished by: **Rick Gilmore**  
 Signature: *Rick Gilmore*  
 Printed name: **RICK GILMORE**  
 Company: **AEN**  
 Received by: **Greg Glaser**  
 Signature: *Greg Glaser*  
 Printed name: **Greg Glaser**  
 Company: **AEN**

Date: **4-22-98**  
 Relinquished by: **Rick Gilmore**  
 Signature: *Rick Gilmore*  
 Printed name: **RICK GILMORE**  
 Company: **AEN**  
 Received by: **Greg Glaser**  
 Signature: *Greg Glaser*  
 Printed name: **Greg Glaser**  
 Company: **AEN**

Date: **4/22/98** Method of shipment: **Lab Pickup**  
 Laboratory comments and Log No.: **4/23/98 Composite Soil S-07, S-08, S-09, S-10 off (15) hold & composite - for metals analysis only per J. Patterson metals off hold**  
  
**Geometrix Consultants**  
 100 Pine St 10th Floor  
 San Francisco, CA. 94111  
 (415) 434-9400



# GEOMATRIX CONSULTANTS

100 Pine Street, 10th Floor  
San Francisco, California 94111  
Tel: (415)434-9400 Fax: (415)434-1365

## FAX TRANSMITTAL

TO: Susan Hugo  
ACHCSA

FAX: (916) 337-9335

FROM: Jennifer Patterson

PROJECT NO: 4710.01

DATE: 5/26/98

TIME: 8:30

### COMMENTS:

Susan -

Here is the data from RIX. We'll see you at  
2:00 today.

Jennifer

More data!!

PAGES INCLUDING THIS TRANSMITTAL: ~~31~~ 22

Note: If any problems arise during transmission, please call (415) 434-9400.



American Environmental Network

AEN Job No: 9804232

Project Footnotes

The following footnotes apply to the indicated project samples and will appear on the final report (except as noted)

AEN Ids	Client Ids	Test	Footnotes
01		8260 W	03, 05
07		8260 W	*
03, 09			05

Footnotes

- 01: Reporting limits (RLs) elevated due to matrix interference.
- 02: RL(s) elevated due to high levels of target compounds. Sample(s) run at dilution.
- 03: RL(s) elevated due to high levels of non-target compounds. Sample(s) run at dilution.
- 04: RL(s) elevated for \_\_\_\_\_ due to hydrocarbon interference in the \_\_\_\_\_ range.
- 05: RL(s) elevated for methylenedichloride due to suspected laboratory contamination.
- 06: RL(s) elevated due to limited sample.
- 07: Duplicate analysis showed surrogate recoveries outside of QC limits. Results are estimated.
- 08: Sample showed non-target compound(s). (will appear by request)
- 09: Non-typical \_\_\_\_\_ pattern observed. (will appear by request)
- 10: VOA pH (determined after analysis) was >2. (will appear by request)

\_\_\_\_\_ Analysis was performed within holding time. (informational footnote)

\_\_\_\_\_ Analysis was performed outside of hold time due to improper preservation. Results are estimated.

\* : Sample was run at a dilution due to the presence of a floating product. Not able to re-analyze within hold time. RLs have been elevated.  
Additional project comments:

If you have any questions, please contact Client Services at (510) 930-9090 or FAX (510) 930-0256.  
 Thank you!

Revision: October, 1997

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW1  
 AEN LAB NO: 9804232-01  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion, Metals by ICP	EPA 3010			Prep Date	04/28/98
EPA 8260A - Water	EPA 8260A				
Benzene	71-43-2	ND	50	ug/L	05/06/98
Bromobenzene	108-86-1	ND	50	ug/L	05/06/98
Bromochloromethane	74-97-5	ND	50	ug/L	05/06/98
Bromodichloromethane	75-27-4	ND	50	ug/L	05/06/98
Bromoform	75-25-2	ND	50	ug/L	05/06/98
Bromomethane	74-83-9	ND	100	ug/L	05/06/98
n-Butylbenzene	104-51-8	ND	50	ug/L	05/06/98
sec-Butylbenzene	135-98-8	ND	50	ug/L	05/06/98
tert-Butylbenzene	98-06-6	ND	50	ug/L	05/06/98
Carbon Tetrachloride	56-23-5	ND	50	ug/L	05/06/98
Chlorobenzene	108-90-7	ND	50	ug/L	05/06/98
Chloroethane	75-00-3	ND	100	ug/L	05/06/98
Chloroform	67-66-3	ND	50	ug/L	05/06/98
Chloromethane	74-87-3	ND	100	ug/L	05/06/98
2-Chlorotoluene	95-49-8	ND	50	ug/L	05/06/98
4-Chlorotoluene	106-43-4	ND	50	ug/L	05/06/98
Dibromochloromethane	124-48-1	ND	50	ug/L	05/06/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	50	ug/L	05/06/98
1,2-Dibromoethane	106-93-4	ND	50	ug/L	05/06/98
Dibromomethane	74-95-3	ND	50	ug/L	05/06/98
1,2-Dichlorobenzene	95-50-1	ND	50	ug/L	05/06/98
1,3-Dichlorobenzene	541-73-1	ND	50	ug/L	05/06/98
1,4-Dichlorobenzene	106-46-7	ND	50	ug/L	05/06/98
Dichlorodifluoromethane	75-71-8	ND	100	ug/L	05/06/98
1,1-Dichloroethane	75-34-3	ND	50	ug/L	05/06/98
1,2-Dichloroethane	107-06-2	ND	50	ug/L	05/06/98
1,1-Dichloroethene	75-35-4	ND	50	ug/L	05/06/98
cis-1,2-Dichloroethene	156-59-2	ND	50	ug/L	05/06/98
trans-1,2-Dichloroethene	156-60-5	ND	50	ug/L	05/06/98
1,2-Dichloropropane	78-87-5	ND	50	ug/L	05/06/98
1,3-Dichloropropane	142-28-9	ND	50	ug/L	05/06/98
2,2-Dichloropropane	594-20-7	ND	50	ug/L	05/06/98
1,1-Dichloropropene	563-58-6	ND	50	ug/L	05/06/98
Ethylbenzene	100-41-4	ND	50	ug/L	05/06/98
Hexachlorobutadiene	87-68-3	ND	50	ug/L	05/06/98
Isopropylbenzene	98-82-8	ND	50	ug/L	05/06/98
p-Isopropyltoluene	99-87-6	ND	50	ug/L	05/06/98
Methylene Chloride	75-09-2	ND	200	ug/L	05/06/98
Naphthalene	91-20-3	ND	50	ug/L	05/06/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW1  
 AEN LAB NO: 9804232-01  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
n-Propylbenzene	103-65-1	ND	50	ug/L	05/06/98
Styrene	100-42-5	ND	50	ug/L	05/06/98
1,1,1,2-Tetrachloroethane	630-20-6	ND	50	ug/L	05/06/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	50	ug/L	05/06/98
Tetrachloroethene	127-18-4	ND	50	ug/L	05/06/98
Toluene	108-88-3	ND	50	ug/L	05/06/98
1,2,3-Trichlorobenzene	87-61-6	ND	50	ug/L	05/06/98
1,2,4-Trichlorobenzene	120-82-1	ND	50	ug/L	05/06/98
1,1,1-Trichloroethane	71-55-6	ND	50	ug/L	05/06/98
1,1,2-Trichloroethane	79-00-5	ND	50	ug/L	05/06/98
Trichloroethene	79-01-6	ND	50	ug/L	05/06/98
Trichlorofluoromethane	75-69-4	ND	50	ug/L	05/06/98
1,2,3-Trichloropropane	96-18-4	ND	50	ug/L	05/06/98
1,2,4-Trimethylbenzene	95-63-6	ND	50	ug/L	05/06/98
1,3,5-Trimethylbenzene	108-67-8	ND	50	ug/L	05/06/98
Vinyl Chloride	75-01-4	ND	100	ug/L	05/06/98
Xylenes, Total	1330-20-7	ND	100	ug/L	05/06/98
Acetone	67-64-1	ND	1000	ug/L	05/06/98
2-Butanone	78-93-3	ND	1000	ug/L	05/06/98
Carbon Disulfide	75-15-0	ND	100	ug/L	05/06/98
cis-1,3-Dichloropropene	10061-01-5	ND	50	ug/L	05/06/98
trans-1,3-Dichloropropene	10061-02-6	ND	50	ug/L	05/06/98
2-Hexanone	591-78-6	ND	500	ug/L	05/06/98
4-Methyl-2-pentanone	108-10-1	ND	500	ug/L	05/06/98
Vinyl Acetate	108-05-4	ND	500	ug/L	05/06/98
2-Chloroethyl Vinyl Ether	110-75-8	ND	100	ug/L	05/06/98
<b>CCR 17 Metals</b>					
Silver	EPA 6010	ND	0.005	mg/L	05/01/98
Arsenic	EPA 6010	0.034 *	0.005	mg/L	05/05/98
Barium	EPA 6010	0.23 *	0.01	mg/L	05/01/98
Beryllium	EPA 6010	ND	0.002	mg/L	05/01/98
Cadmium	EPA 6010	ND	0.005	mg/L	05/01/98
Cobalt	EPA 6010	0.005 *	0.005	mg/L	05/01/98
Chromium	EPA 6010	ND	0.01	mg/L	05/01/98
Copper	EPA 6010	ND	0.01	mg/L	05/01/98
Mercury	EPA 7470	ND	0.0002	mg/L	04/26/98
Molybdenum	EPA 6010	0.03 *	0.01	mg/L	05/01/98
Nickel	EPA 6010	0.01 *	0.01	mg/L	05/01/98
Lead	EPA 6010	ND	0.04	mg/L	05/01/98
Antimony	EPA 6010	ND	0.02	mg/L	05/01/98
Selenium	EPA 6010	ND	0.01	mg/L	05/05/98
Thallium	EPA 6010	ND	0.05	mg/L	05/01/98

PAGE 4

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW1  
 AEN LAB NO: 9804232-01  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Vanadium	EPA 6010	ND	0.005	mg/L	05/01/98
Zinc	EPA 6010	0.11 *	0.01	mg/L	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

P. 05/22

FAX NO. 5109300255

AEN CALIFORNIA

MAY-11-98 MON 16:32

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW1-1.0  
 AEN LAB NO: 9804232-02  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	ND	10 mg/kg		05/08/98
Selenium	EPA 6010	ND	20 mg/kg		05/08/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.5 mg/kg		05/01/98
Barium	EPA 6010	180 *	5 mg/kg		05/01/98
Beryllium	EPA 6010	ND	0.5 mg/kg		05/01/98
Cadmium	EPA 6010	ND	0.5 mg/kg		05/01/98
Cobalt	EPA 6010	8 *	1 mg/kg		05/01/98
Chromium	EPA 6010	31 *	2 mg/kg		05/01/98
Copper	EPA 6010	12 *	2 mg/kg		05/01/98
Mercury	EPA 7471	ND	0.06 mg/kg		05/03/98
Molybdenum	EPA 6010	ND	2 mg/kg		05/01/98
Nickel	EPA 6010	21 *	2 mg/kg		05/01/98
Lead	EPA 6010	6 *	4 mg/kg		05/01/98
Antimony	EPA 6010	ND	5 mg/kg		05/01/98
Thallium	EPA 6010	ND	50 mg/kg		05/01/98
Vanadium	EPA 6010	31 *	2 mg/kg		05/01/98
Zinc	EPA 6010	22 *	5 mg/kg		05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW2  
 AEN LAB NO: 9804232-03  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	GFF 0.7 um	-		Filtr Date	04/24/98
TPH as Gas	5030/GC-FID	ND	0.05 mg/L		04/30/98
#Silica gel Cleanup	EPA 3630M	-		Cleanup	05/01/98
#Extraction for TPH	EPA 3510	-		Extrn Date	05/01/98
TPH as Diesel	GC-FID	ND	0.05 mg/L		05/02/98
#Digestion. Metals by ICP	EPA 3010	-		Prep Date	04/28/98
EPA 8260A - Water	EPA 8260A				
Benzene	71-43-2	ND	5 ug/L		05/01/98
Bromobenzene	108-86-1	ND	5 ug/L		05/01/98
Bromochloromethane	74-97-5	ND	5 ug/L		05/01/98
Bromodichloromethane	75-27-4	ND	5 ug/L		05/01/98
Bromoform	75-25-2	ND	5 ug/L		05/01/98
Bromomethane	74-83-9	ND	10 ug/L		05/01/98
n-Butylbenzene	104-51-8	ND	5 ug/L		05/01/98
sec-Butylbenzene	135-98-8	ND	5 ug/L		05/01/98
tert-Butylbenzene	98-06-6	ND	5 ug/L		05/01/98
Carbon Tetrachloride	56-23-5	ND	5 ug/L		05/01/98
Chlorobenzene	108-90-7	ND	5 ug/L		05/01/98
Chloroethane	75-00-3	ND	10 ug/L		05/01/98
Chloroform	67-66-3	ND	5 ug/L		05/01/98
Chloromethane	74-87-3	ND	10 ug/L		05/01/98
2-Chlorotoluene	95-49-8	ND	5 ug/L		05/01/98
4-Chlorotoluene	106-43-4	ND	5 ug/L		05/01/98
Dibromochloromethane	124-48-1	ND	5 ug/L		05/01/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	5 ug/L		05/01/98
1,2-Dibromoethane	106-93-4	ND	5 ug/L		05/01/98
Dibromomethane	74-95-3	ND	5 ug/L		05/01/98
1,2-Dichlorobenzene	95-50-1	ND	5 ug/L		05/01/98
1,3-Dichlorobenzene	541-73-1	ND	5 ug/L		05/01/98
1,4-Dichlorobenzene	106-46-7	ND	5 ug/L		05/01/98
Dichlorodifluoromethane	75-71-8	ND	10 ug/L		05/01/98
1,1-Dichloroethane	75-34-3	120 *	5 ug/L		05/01/98
1,2-Dichloroethane	107-06-2	ND	5 ug/L		05/01/98
1,1-Dichloroethene	75-35-4	ND	5 ug/L		05/01/98
cis-1,2-Dichloroethene	156-59-2	ND	5 ug/L		05/01/98
trans-1,2-Dichloroethene	156-60-5	ND	5 ug/L		05/01/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW2  
 AEN LAB NO: 9804232-03  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,2-Dichloropropane	78-87-5	ND	5	ug/L	05/01/98
1,3-Dichloropropane	142-28-9	ND	5	ug/L	05/01/98
2,2-Dichloropropane	594-20-7	ND	5	ug/L	05/01/98
1,1-Dichloropropene	563-58-6	ND	5	ug/L	05/01/98
Ethylbenzene	100-41-4	ND	5	ug/L	05/01/98
Hexachlorobutadiene	87-68-3	ND	5	ug/L	05/01/98
Isopropylbenzene	98-82-8	ND	5	ug/L	05/01/98
o-Isopropyltoluene	99-87-6	ND	5	ug/L	05/01/98
Methylene Chloride	75-09-2	ND	20	ug/L	05/01/98
Naphthalene	91-20-3	ND	5	ug/L	05/01/98
n-Propylbenzene	103-65-1	ND	5	ug/L	05/01/98
Styrene	100-42-5	ND	5	ug/L	05/01/98
1,1,1,2-Tetrachloroethane	630-20-6	ND	5	ug/L	05/01/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	05/01/98
tetrachloroethene	127-18-4	ND	5	ug/L	05/01/98
Toluene	108-88-3	ND	5	ug/L	05/01/98
1,2,3-Trichlorobenzene	87-61-6	ND	5	ug/L	05/01/98
1,2,4-Trichlorobenzene	120-82-1	ND	5	ug/L	05/01/98
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	05/01/98
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	05/01/98
Trichloroethene	79-01-6	ND	5	ug/L	05/01/98
Trichlorofluoromethane	75-69-4	ND	5	ug/L	05/01/98
1,2,3-Trichloropropane	96-18-4	ND	5	ug/L	05/01/98
1,2,4-Trimethylbenzene	95-63-6	ND	5	ug/L	05/01/98
1,3,5-Trimethylbenzene	108-67-8	ND	5	ug/L	05/01/98
Vinyl Chloride	75-01-4	11 *	10	ug/L	05/01/98
Xylenes, Total	1330-20-7	ND	10	ug/L	05/01/98
Acetone	67-64-1	ND	100	ug/L	05/01/98
2-Butanone	78-93-3	ND	100	ug/L	05/01/98
Carbon Disulfide	75-15-0	ND	10	ug/L	05/01/98
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	05/01/98
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	05/01/98
2-Hexanone	591-78-6	ND	50	ug/L	05/01/98
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	05/01/98
Vinyl Acetate	108-05-4	ND	50	ug/L	05/01/98
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	05/01/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.005	mg/L	05/01/98
Arsenic	EPA 6010	ND	0.005	mg/L	05/05/98
Barium	EPA 6010	0.15 *	0.01	mg/L	05/01/98
Beryllium	EPA 6010	ND	0.002	mg/L	05/01/98
Cadmium	EPA 6010	ND	0.005	mg/L	05/01/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW2  
 AEN LAB NO: 9804232-03  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Cobalt	EPA 6010	0.006 *	0.005	mg/L	05/01/98
Chromium	EPA 6010	ND	0.01	mg/l	05/01/98
Copper	EPA 6010	ND	0.01	mg/L	05/01/98
Mercury	EPA 7470	ND	0.0002	mg/L	04/26/98
Molybdenum	EPA 6010	0.05 *	0.01	mg/L	05/01/98
Nickel	EPA 6010	0.03 *	0.01	mg/L	05/01/98
Lead	EPA 6010	ND	0.04	mg/L	05/01/98
Antimony	EPA 6010	ND	0.02	mg/L	05/01/98
Selenium	EPA 6010	ND	0.01	mg/L	05/05/98
Thallium	EPA 6010	ND	0.05	mg/L	05/01/98
Vanadium	EPA 6010	ND	0.005	mg/L	05/01/98
Zinc	EPA 6010	0.01 *	0.01	mg/L	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit



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## GEOMATRIX CONSULTANTS

SAMPLE ID: GGWZ-2.0  
 AEN LAB NO: 9804232-04  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	10 *	10 mg/kg		05/08/98
Selenium	EPA 6010	ND	20 mg/kg		05/08/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.5 mg/kg		05/01/98
Barium	EPA 6010	150 *	5 mg/kg		05/01/98
Beryllium	EPA 6010	ND	0.5 mg/kg		05/01/98
Cadmium	EPA 6010	ND	0.5 mg/kg		05/01/98
Cobalt	EPA 6010	6 *	1 mg/kg		05/01/98
Chromium	EPA 6010	47 *	2 mg/kg		05/01/98
Copper	EPA 6010	10 *	2 mg/kg		05/01/98
Mercury	EPA 7471	ND	0.05 mg/kg		05/03/98
Molybdenum	EPA 6010	ND	2 mg/kg		05/01/98
Nickel	EPA 6010	25 *	2 mg/kg		05/01/98
Lead	EPA 6010	17 *	4 mg/kg		05/01/98
Antimony	EPA 6010	ND	5 mg/kg		05/01/98
Thallium	EPA 6010	ND	50 mg/kg		05/01/98
Vanadium	EPA 6010	36 *	2 mg/kg		05/01/98
Zinc	EPA 6010	31 *	5 mg/kg		05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

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## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW3  
 AEN LAB NO: 9804232-05  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	0.45 um	-		Filtr Date	04/24/98
TPH as Gas	5030/GC-FID	0.22 *	0.05 mg/L		04/30/98
#Digestion, Metals by ICP	EPA 3010	-		Prep Date	04/28/98
EPA 8260A - Water	EPA 8260A				
Benzene	71-43-2	ND	5 ug/l		05/01/98
Bromobenzene	108-86-1	ND	5 ug/L		05/01/98
Bromochloromethane	74-97-5	ND	5 ug/L		05/01/98
Bromodichloromethane	75-27-4	ND	5 ug/L		05/01/98
Bromoform	75-25-2	ND	5 ug/L		05/01/98
Bromomethane	74-83-9	ND	10 ug/L		05/01/98
n-Butylbenzene	104-51-8	ND	5 ug/L		05/01/98
sec-Butylbenzene	135-98-8	ND	5 ug/L		05/01/98
tert-Butylbenzene	98 06 6	ND	5 ug/L		05/01/98
Carbon Tetrachloride	56-23-5	ND	5 ug/L		05/01/98
Chlorobenzene	108-90-7	ND	5 ug/L		05/01/98
Chloroethane	75-00-3	ND	10 ug/L		05/01/98
Chloroform	67-66-3	ND	5 ug/L		05/01/98
Chloromethane	74-87-3	ND	10 ug/L		05/01/98
2-Chlorotoluene	95-49-8	ND	5 ug/L		05/01/98
4-Chlorotoluene	106-43-4	ND	5 ug/L		05/01/98
Dibromochloromethane	124-48-1	ND	5 ug/L		05/01/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	5 ug/L		05/01/98
1,2-Dibromoethane	106-93-1	ND	5 ug/L		05/01/98
Dibromomethane	74-95-3	ND	5 ug/L		05/01/98
1,2-Dichlorobenzene	95-50-1	ND	5 ug/L		05/01/98
1,3-Dichlorobenzene	541-73-1	ND	5 ug/L		05/01/98
1,4-Dichlorobenzene	106-46-7	ND	5 ug/L		05/01/98
Dichlorodifluoromethane	75-71-8	ND	10 ug/L		05/01/98
1,1-Dichloroethane	75-34-3	6 *	5 ug/l		05/01/98
1,2-Dichloroethane	107-06-2	ND	5 ug/L		05/01/98
1,1-Dichloroethene	75-35-4	ND	5 ug/L		05/01/98
cis-1,2-Dichloroethene	156-59-2	ND	5 ug/L		05/01/98
trans 1,2-Dichloroethene	156-60-5	ND	5 ug/L		05/01/98
1,2-Dichloropropane	78-87-5	ND	5 ug/L		05/01/98
1,3-Dichloropropane	142-28-9	ND	5 ug/L		05/01/98
2,2-Dichloropropane	594-20-7	ND	5 ug/L		05/01/98
1,1-Dichloropropene	563-58-6	ND	5 ug/L		05/01/98
Ethylbenzene	100-41-4	ND	5 ug/L		05/01/98
Hexachlorobutadiene	87-68-3	ND	5 ug/L		05/01/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW3  
 AEN LAB NO: 9804232-05  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Isopropylbenzene	98-82-8	ND	5	ug/L	05/01/98
p-Isopropyltoluene	99-87-6	ND	5	ug/L	05/01/98
Methylene Chloride	75-09-2	ND	10	ug/L	05/01/98
Naphthalene	91-20-3	ND	5	ug/L	05/01/98
n-Propylbenzene	103-65-1	ND	5	ug/L	05/01/98
Styrene	100-42-5	ND	5	ug/L	05/01/98
1,1,1,2-Tetrachloroethane	630-20-6	ND	5	ug/L	05/01/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	05/01/98
Tetrachloroethene	127-18-4	ND	5	ug/L	05/01/98
Toluene	108-88-3	ND	5	ug/L	05/01/98
1,2,3-Trichlorobenzene	87-61-6	ND	5	ug/L	05/01/98
1,2,4-Trichlorobenzene	120-82-1	ND	5	ug/L	05/01/98
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	05/01/98
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	05/01/98
Trichloroethene	79-01-6	ND	5	ug/L	05/01/98
Trichlorofluoromethane	75-69-4	ND	5	ug/L	05/01/98
1,2,3-Trichloropropane	96-18-4	ND	5	ug/L	05/01/98
1,2,4-Trimethylbenzene	95-63-6	120 *	5	ug/L	05/01/98
1,3,5-Trimethylbenzene	108-67-8	11 *	5	ug/L	05/01/98
Vinyl Chloride	75-01-4	ND	10	ug/L	05/01/98
Xylenes, Total	1330-20-7	13 *	10	ug/L	05/01/98
Acetone	67-64-1	ND	100	ug/L	05/01/98
2-Butanone	78-93-3	ND	100	ug/L	05/01/98
Carbon Disulfide	75-15-0	ND	10	ug/L	05/01/98
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	05/01/98
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	05/01/98
2-Hexanone	591-78-6	ND	50	ug/L	05/01/98
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	05/01/98
Vinyl Acetate	108-05-4	ND	50	ug/L	05/01/98
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	05/01/98
<b>CCR 17 Metals</b>					
Silver	EPA 6010	ND	0.005	mg/L	05/01/98
Arsenic	EPA 6010	ND	0.005	mg/L	05/05/98
Barium	EPA 6010	0.52 *	0.01	mg/L	05/01/98
Beryllium	EPA 6010	ND	0.002	mg/L	05/01/98
Cadmium	EPA 6010	ND	0.005	mg/L	05/01/98
Cobalt	EPA 6010	0.006 *	0.005	mg/L	05/01/98
Chromium	EPA 6010	ND	0.01	mg/L	05/01/98
Copper	EPA 6010	ND	0.01	mg/L	05/01/98
Mercury	EPA 7470	ND	0.002	mg/L	04/26/98
Molybdenum	EPA 6010	ND	0.01	mg/L	05/01/98
Nickel	EPA 6010	ND	0.01	mg/L	05/01/98

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## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW3  
 AEN LAB NO: 9804232-05  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Lead	EPA 6010	ND	0.04	mg/L	05/01/98
Antimony	EPA 6010	ND	0.02	mg/L	05/01/98
Selenium	EPA 6010	ND	0.01	mg/L	05/05/98
Thallium	EPA 6010	ND	0.05	mg/L	05/01/98
Vanadium	EPA 6010	ND	0.005	mg/L	05/01/98
Zinc	EPA 6010	0.10 *	0.01	mg/L	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW3-1.5  
 AEN LAB NO: 9804232-06  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	12 *	10 mg/kg		05/08/98
Selenium	EPA 6010	ND	20 mg/kg		05/08/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.5 mg/kg		05/01/98
Barium	EPA 6010	1,600 *	5 mg/kg		05/01/98
Beryllium	EPA 6010	ND	0.5 mg/kg		05/01/98
Cadmium	EPA 6010	3.0 *	0.5 mg/kg		05/01/98
Cobalt	EPA 6010	11 *	1 mg/kg		05/01/98
Chromium	EPA 6010	88 *	2 mg/kg		05/01/98
Copper	EPA 6010	32 *	2 mg/kg		05/01/98
Mercury	EPA 7471	0.32 *	0.06 mg/kg		05/03/98
Molybdenum	EPA 6010	ND	2 mg/kg		05/01/98
Nickel	EPA 6010	29 *	2 mg/kg		05/01/98
Lead	EPA 6010	390 *	4 mg/kg		05/01/98
Antimony	EPA 6010	ND	5 mg/kg		05/01/98
Thallium	EPA 6010	ND	50 mg/kg		05/01/98
Vanadium	EPA 6010	40 *	2 mg/kg		05/01/98
Zinc	EPA 6010	900 *	5 mg/kg		05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW4  
 AEN LAB NO: 9804232-07  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion, Metals by ICP	EPA 3010	-		Prep Date	04/28/98
EPA 8260A - Water	EPA 8260A				
Benzene	71-43-2	ND	500	ug/L	05/06/98
Bromobenzene	108-86-1	ND	500	ug/L	05/06/98
Bromochloromethane	74-97-5	ND	500	ug/L	05/06/98
Bromodichloromethane	75-27-4	ND	500	ug/L	05/06/98
Bromoform	75-25-2	ND	500	ug/L	05/06/98
Bromomethane	74-83-9	ND	1000	ug/L	05/06/98
n-Butylbenzene	104-51-8	ND	500	ug/L	05/06/98
sec-Butylbenzene	135-98-8	ND	500	ug/L	05/06/98
tert-Butylbenzene	98-06-6	ND	500	ug/L	05/06/98
Carbon Tetrachloride	56-23-5	ND	500	ug/L	05/06/98
Chlorobenzene	108-90-7	ND	500	ug/L	05/06/98
Chloroethane	75-00-3	ND	1000	ug/L	05/06/98
Chloroform	67-66-3	ND	500	ug/L	05/06/98
Chloromethane	74-87-3	ND	1000	ug/L	05/06/98
2-Chlorotoluene	95-49-8	ND	500	ug/L	05/06/98
4-Chlorotoluene	106-43-4	ND	500	ug/L	05/06/98
Dibromochloromethane	124-48-1	ND	500	ug/L	05/06/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	500	ug/L	05/06/98
1,2-Dibromoethane	106-93-4	ND	500	ug/L	05/06/98
Dibromomethane	74-95-3	ND	500	ug/L	05/06/98
1,2-Dichlorobenzene	95-50-1	ND	500	ug/L	05/06/98
1,3-Dichlorobenzene	541-73-1	ND	500	ug/L	05/06/98
1,4-Dichlorobenzene	106-46-7	ND	500	ug/L	05/06/98
Dichlorodifluoromethane	75-71-8	ND	1000	ug/L	05/06/98
1,1-Dichloroethane	75-34-3	ND	500	ug/L	05/06/98
1,2-Dichloroethane	107-06-2	ND	500	ug/L	05/06/98
1,1-Dichloroethene	75-35-4	ND	500	ug/L	05/06/98
cis-1,2-Dichloroethene	156-59-2	ND	500	ug/L	05/06/98
trans-1,2-Dichloroethene	156-60-5	ND	500	ug/L	05/06/98
1,2-Dichloropropane	78-87-5	ND	500	ug/L	05/06/98
1,3-Dichloropropane	142-28-9	ND	500	ug/L	05/06/98
2,2-Dichloropropane	594-20-7	ND	500	ug/L	05/06/98
1,1-Dichloropropene	563-58-6	ND	500	ug/L	05/06/98
Ethylbenzene	100-41-4	ND	500	ug/L	05/06/98
Hexachlorobutadiene	87-68-3	ND	500	ug/L	05/06/98
Isopropylbenzene	98-82-8	ND	500	ug/L	05/06/98
p-Isopropyltoluene	99-87-6	ND	500	ug/L	05/06/98
Methylene Chloride	75-09-2	ND	1000	ug/L	05/06/98
Naphthalene	91-20-3	ND	500	ug/L	05/06/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW4  
 AEN LAB NO: 9804232-07  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
n-Propylbenzene	103-65-1	ND	500	ug/L	05/06/98
Styrene	100-42-5	ND	500	ug/L	05/06/98
1,1,1,2-Tetrachloroethane	630-20-6	ND	500	ug/L	05/06/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	500	ug/L	05/06/98
Tetrachloroethene	127-18-4	ND	500	ug/L	05/06/98
Toluene	108-88-3	ND	500	ug/L	05/06/98
1,2,3-Trichlorobenzene	87-61-6	ND	500	ug/L	05/06/98
1,2,4-Trichlorobenzene	120-82-1	ND	500	ug/L	05/06/98
1,1,1-Trichloroethane	71-55-6	ND	500	ug/L	05/06/98
1,1,2-Trichloroethane	79-00-5	ND	500	ug/L	05/06/98
Trichloroethene	79-01-6	ND	500	ug/L	05/06/98
Trichlorofluoromethane	75-69-4	ND	500	ug/L	05/06/98
1,2,3-Trichloropropane	96-18-4	ND	500	ug/L	05/06/98
1,2,4-Trimethylbenzene	95-63-6	ND	500	ug/L	05/06/98
1,3,5-Trimethylbenzene	108-67-8	ND	500	ug/L	05/06/98
Vinyl Chloride	75-01-4	ND	1000	ug/L	05/06/98
Xylenes, Total	1330-20-7	ND	1000	ug/L	05/06/98
Acetone	67-64-1	ND	10000	ug/L	05/06/98
2-Butanone	78-93-3	ND	10000	ug/L	05/06/98
Carbon Disulfide	75-15-0	ND	1000	ug/L	05/06/98
cis-1,3-Dichloropropene	10061-01-5	ND	500	ug/L	05/06/98
trans-1,3-Dichloropropene	10061-02-6	ND	500	ug/L	05/06/98
2-Hexanone	591-78-6	ND	5000	ug/L	05/06/98
4-Methyl-2-pentanone	108-10-1	ND	5000	ug/L	05/06/98
Vinyl Acetate	108-05-4	ND	5000	ug/L	05/06/98
2-Chloroethyl Vinyl Ether	110-75-8	ND	1000	ug/L	05/06/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.005	mg/L	05/01/98
Arsenic	EPA 6010	0.008 *	0.005	mg/L	05/05/98
Barium	EPA 6010	0.04 *	0.01	mg/L	05/01/98
Beryllium	EPA 6010	ND	0.002	mg/L	05/01/98
Cadmium	EPA 6010	ND	0.005	mg/L	05/01/98
Cobalt	EPA 6010	ND	0.005	mg/L	05/01/98
Chromium	EPA 6010	ND	0.01	mg/L	05/01/98
Copper	EPA 6010	ND	0.01	mg/L	05/01/98
Mercury	EPA 7470	ND	0.0002	mg/L	04/26/98
Molybdenum	EPA 6010	ND	0.01	mg/L	05/01/98
Nickel	EPA 6010	ND	0.01	mg/L	05/01/98
Lead	EPA 6010	ND	0.04	mg/L	05/01/98
Antimony	EPA 6010	ND	0.02	mg/L	05/01/98
Selenium	EPA 6010	ND	0.01	mg/L	05/05/98
Thallium	EPA 6010	ND	0.05	mg/L	05/01/98

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## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW4  
 AEN LAB NO: 9804232-07  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Vanadium	EPA 6010	0.032 *	0.005	mg/L	05/01/98
Zinc	EPA 6010	0.01 *	0.01	mg/L	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit



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## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW4-1.5  
 AEN LAB NO: 9804232-08  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Digestion for ICP/AA	EPA 3050	-		Prep Date	04/30/98
Arsenic	EPA 6010	ND	10	mg/kg	05/08/98
Selenium	EPA 6010	ND	20	mg/kg	05/08/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.5	mg/kg	05/01/98
Barium	EPA 6010	260 *	5	mg/kg	05/01/98
Beryllium	EPA 6010	0.5 *	0.5	mg/kg	05/01/98
Cadmium	EPA 6010	0.6 *	0.5	mg/kg	05/01/98
Cobalt	EPA 6010	18 *	1	mg/kg	05/01/98
Chromium	EPA 6010	41 *	2	mg/kg	05/01/98
Copper	EPA 6010	24 *	2	mg/kg	05/01/98
Mercury	EPA 7471	0.07 *	0.06	mg/kg	05/03/98
Molybdenum	EPA 6010	ND	2	mg/kg	05/01/98
Nickel	EPA 6010	39 *	2	mg/kg	05/01/98
Lead	EPA 6010	84 *	4	mg/kg	05/01/98
Antimony	EPA 6010	ND	5	mg/kg	05/01/98
Thallium	EPA 6010	ND	50	mg/kg	05/01/98
Vanadium	EPA 6010	43 *	2	mg/kg	05/01/98
Zinc	EPA 6010	120 *	5	mg/kg	05/01/98

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW13  
 AEN LAB NO: 9804232-09  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	GFF 0.7 um	-		Filtr Date	04/24/98
TPH as Gas	5030/GC-FID	0.24 *	0.05 mg/L		04/30/98
#Silica gel Cleanup	EPA 3630M	-		Cleanup	05/01/98
#Extraction for TPH	EPA 3510	-		Extrn Date	05/01/98
TPH as Diesel	GC-FID	ND	0.05 mg/L		05/02/98
#Digestion, Metals by ICP	EPA 3010	-		Prep Date	04/28/98
EPA 8260A - Water	EPA 8260A				
Benzene	71-43-2	ND	5 ug/L		05/02/98
Bromobenzene	108-86-1	ND	5 ug/L		05/02/98
Bromochloromethane	74-97-5	ND	5 ug/L		05/02/98
Bromodichloromethane	75-27-4	ND	5 ug/L		05/02/98
Bromoform	75-25-2	ND	5 ug/L		05/02/98
Bromomethane	74-83-9	ND	10 ug/L		05/02/98
n-Butylbenzene	104-51-8	ND	5 ug/L		05/02/98
sec-Butylbenzene	135-98-8	ND	5 ug/L		05/02/98
tert-Butylbenzene	98-06-6	ND	5 ug/L		05/02/98
Carbon Tetrachloride	56-23-5	ND	5 ug/L		05/02/98
Chlorobenzene	108-90-7	ND	5 ug/L		05/02/98
Chloroethane	75-00-3	ND	10 ug/L		05/02/98
Chloroform	67-66-3	ND	5 ug/L		05/02/98
Chloromethane	74-87-3	ND	10 ug/L		05/02/98
2-Chlorotoluene	95-49-8	ND	5 ug/L		05/02/98
4-Chlorotoluene	106-43-4	ND	5 ug/L		05/02/98
Dibromochloromethane	124-48-1	ND	5 ug/L		05/02/98
1,2-Dibromo-3-chloropropane	96-12-8	ND	5 ug/L		05/02/98
1,2-Dibromoethane	106-93-4	ND	5 ug/L		05/02/98
Dibromomethane	74-95-3	ND	5 ug/L		05/02/98
1,2-Dichlorobenzene	95-50-1	ND	5 ug/L		05/02/98
1,3-Dichlorobenzene	541-73-1	ND	5 ug/L		05/02/98
1,4-Dichlorobenzene	106-46-7	ND	5 ug/L		05/02/98
Dichlorodifluoromethane	75-71-8	ND	10 ug/L		05/02/98
1,1-Dichloroethane	75-34-3	5 *	5 ug/L		05/02/98
1,2-Dichloroethane	107-06-2	ND	5 ug/L		05/02/98
1,1-Dichloroethene	75-35-4	ND	5 ug/L		05/02/98
cis-1,2-Dichloroethene	156-59-2	ND	5 ug/L		05/02/98
trans-1,2-Dichloroethene	156-60-5	ND	5 ug/L		05/02/98

## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW13  
 AEN LAB NO: 9804232-09  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,2-Dichloropropane	78-87-5	ND	5	ug/L	05/02/98
1,3-Dichloropropane	142-28-9	ND	5	ug/L	05/02/98
2,2-Dichloropropane	594-20-7	ND	5	ug/L	05/02/98
1,1-Dichloroethane	563-58-6	ND	5	ug/L	05/02/98
Ethylbenzene	100-41-4	ND	5	ug/L	05/02/98
Hexachlorobutadiene	87-68-3	ND	5	ug/L	05/02/98
Isopropylbenzene	98-82-0	ND	5	ug/L	05/02/98
p-Isopropyltoluene	99-87-6	ND	5	ug/L	05/02/98
Methylene Chloride	75-09-2	ND	20	ug/L	05/02/98
Naphthalene	91-20-3	ND	5	ug/L	05/02/98
n-Propylbenzene	103-65-1	ND	5	ug/L	05/02/98
Styrene	100-42-5	ND	5	ug/L	05/02/98
1,1,1,2-Tetrachloroethane	630-20-6	ND	5	ug/L	05/02/98
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/L	05/02/98
Tetrachloroethene	127-18-4	ND	5	ug/L	05/02/98
Toluene	108-88-3	ND	5	ug/L	05/02/98
1,2,3-Trichlorobenzene	87-61-6	ND	5	ug/L	05/02/98
1,2,4-Trichlorobenzene	120-82-1	ND	5	ug/L	05/02/98
1,1,1-Trichloroethane	71-55-6	ND	5	ug/L	05/02/98
1,1,2-Trichloroethane	79-00-5	ND	5	ug/L	05/02/98
Trichloroethene	79-01-6	ND	5	ug/L	05/02/98
Trichlorofluoromethane	75-69-4	ND	5	ug/L	05/02/98
1,2,3-Trichloropropane	96-18-4	ND	5	ug/L	05/02/98
1,2,4-Trimethylbenzene	95-63-6	110 *	5	ug/L	05/02/98
1,3,5-Trimethylbenzene	108-67-8	10 *	5	ug/L	05/02/98
Vinyl Chloride	75-01-4	ND	10	ug/L	05/02/98
Xylenes, Total	1330-20-7	10 *	10	ug/L	05/02/98
Acetone	67-64-1	ND	100	ug/L	05/02/98
2-Butanone	78-93-3	ND	100	ug/L	05/02/98
Carbon Disulfide	75-15-0	ND	10	ug/L	05/02/98
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/L	05/02/98
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/L	05/02/98
2-Hexanone	591-78-6	ND	50	ug/L	05/02/98
4-Methyl-2-pentanone	108-10-1	ND	50	ug/L	05/02/98
Vinyl Acetate	108-05-4	ND	50	ug/L	05/02/98
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/L	05/02/98
CCR 17 Metals					
Silver	EPA 6010	ND	0.005	mg/L	05/01/98
Arsenic	EPA 6010	ND	0.005	mg/L	05/05/98
Barium	EPA 6010	0.41 *	0.01	mg/L	05/01/98
Beryllium	EPA 6010	ND	0.002	mg/L	05/01/98
Cadmium	EPA 6010	ND	0.005	mg/L	05/01/98

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## GEOMATRIX CONSULTANTS

SAMPLE ID: GGW13  
 AEN LAB NO: 9804232-09  
 AEN WORK ORDER: 9804232  
 CLIENT PROJ. ID: 4710

DATE SAMPLED: 04/22/98  
 DATE RECEIVED: 04/22/98  
 REPORT DATE: 05/11/98

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Cobalt	EPA 6010	0.006 *	0.005	mg/L	05/01/98
Chromium	EPA 6010	ND	0.01	mg/L	05/01/98
Copper	EPA 6010	ND	0.01	mg/L	05/01/98
Mercury	EPA 7470	ND	0.0002	mg/L	04/26/98
Molybdenum	EPA 6010	ND	0.01	mg/L	05/01/98
Nickel	EPA 6010	ND	0.01	mg/L	05/01/98
Lead	EPA 6010	ND	0.04	mg/L	05/01/98
Antimony	EPA 6010	ND	0.02	mg/L	05/05/98
Selenium	EPA 6010	ND	0.01	mg/L	05/01/98
Thallium	EPA 6010	ND	0.05	mg/L	05/01/98
Vanadium	EPA 6010	ND	0.005	mg/L	05/01/98
Zinc	EPA 6010	0.08 *	0.01	mg/L	05/01/98

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CHAIN-OF-CUSTODY RECORD			No 11029		Date: 4-22-98		Page 1 of 1									
Project No.: 4710			ANALYSES				REMARKS									
Samplers (Signatures): 198 Preston Gaines			EPA Method 8010	EPA Method 8020	EPA Method 8020 (BTEX only)	EPA Method 8040	EPA Method 8270	TPH as gasoline	TPH as diesel	VOCs by 8260	Metals by 3017	Cooled	Boil (S), Water (W) or Vapor (V)	acidified	Number of containers	Additional Comments
Date	Time	Sample Number														
IA-I	4-22	1350 GGW1								X	X	Y	W	W	9	VOCs by 8260 <del>TPH</del> GGW1 & GGW4 Metals by 3017 (field filtered-plastic MnO <sub>2</sub> ) TPHg, TPHd by Modified 8015 Diesel: filter & silica gel first clean up GGW-2, GGW-3, GGW-13 * Do not use plastic bottles for metals - filter sample from atm and analyze & leached CER-17. up after 82
2A		1350 GGW1-1.0								X	X	Y	S	N	1	
3A-H		1315 GGW2						X	X	X	*	Y	W	W	8	
4A		1150 GGW2-2.0						X	X	X	*	Y	W	W	9	
6A-I		1515 GGW3						X	X	X	*	Y	S	N	1	
6A		0950 GGW3-1.5								X	X	Y	W	W	9	
7A-I		1440 GGW4								X	X	Y	S	N	1	
8A		0915 GGW4-1.5								X	X	Y	W	W	9	
9A-I		1530 GGW13						X	X	X	*	Y	W	Y	3	
10ABC		1525 Blank														
Turnaround time: Standard			Results to: Jen Patterson			Total No. of containers: 51										
Relinquished by (signature): Preston Gaines		Date: 4/21/98	Relinquished by (signature): Rick Gilmore		Date: 4-22-98	Relinquished by (signature):		Date:	Method of Shipment: Pick-up							
Printed Name: Preston Gaines		Time: 16:45	Printed Name: RICK GILMORE		Time: 18:30	Printed Name:		Time:	Laboratory Comments and Log No.: Per J. Patterson - Nold GGW3 & GGW13 1L plastic only - do not use for metals Filter & preserve duplicate Diesel samples for metals & GGW13 for metals. R. Byer							
Company: Geomatix			Company: AEN			Company:										
Received by (signature): Rick Gilmore		Date: 4-22-98	Received by (signature): Greg Glaser		Date: 4/22	Received by (signature):		Date:								
Printed Name: RICK GILMORE		Time: 16:45	Printed Name: Greg Glaser		Time: 19:30	Printed Name:		Time:								
Company: AEN			Company: AEN			Company:										

Form PF-012 (Revised 1995)