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LABORATORY REPORTS

Hydro Geo Chem, Inc. Soil Gas Analyses
Analytical Technologies, Inc. Soil Sample Analyses
American Environmental Network (Arizona), Inc. Soil Sample Analyses

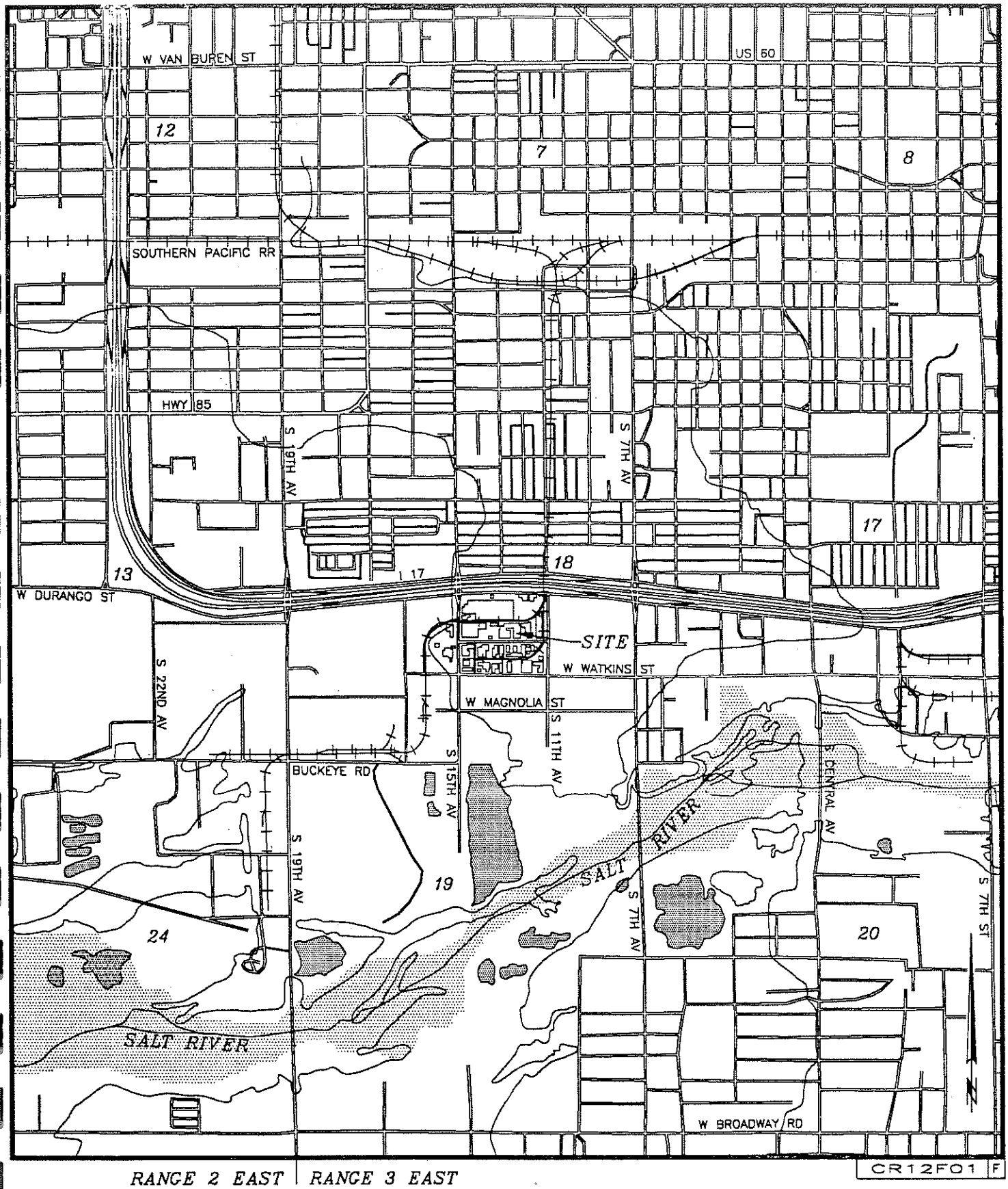
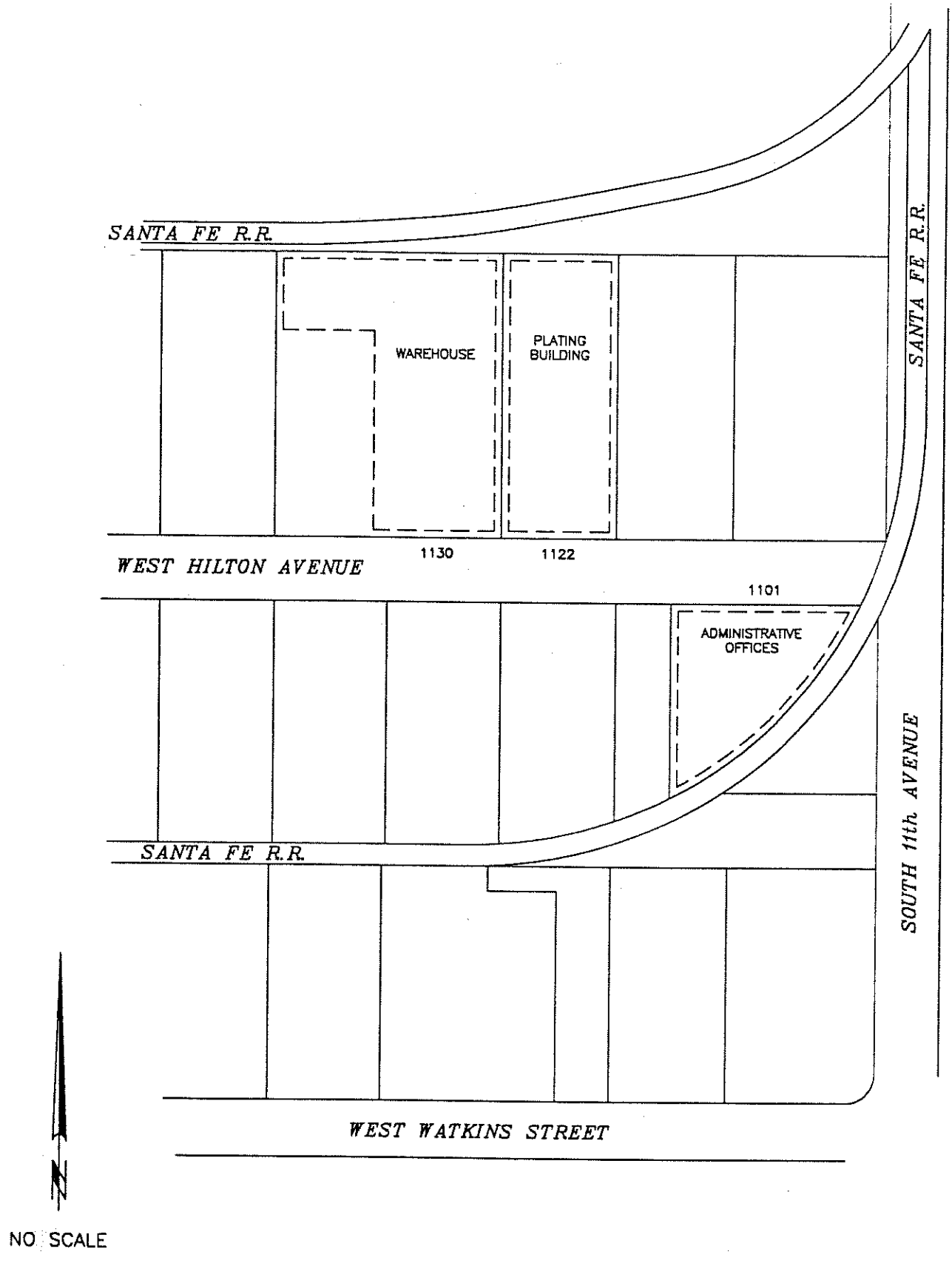


FIGURE F-1 SITE LOCATION
CHEMRESEARCH COMPANY, INC.
PHOENIX, ARIZONA

HARGIS + ASSOCIATES, INC

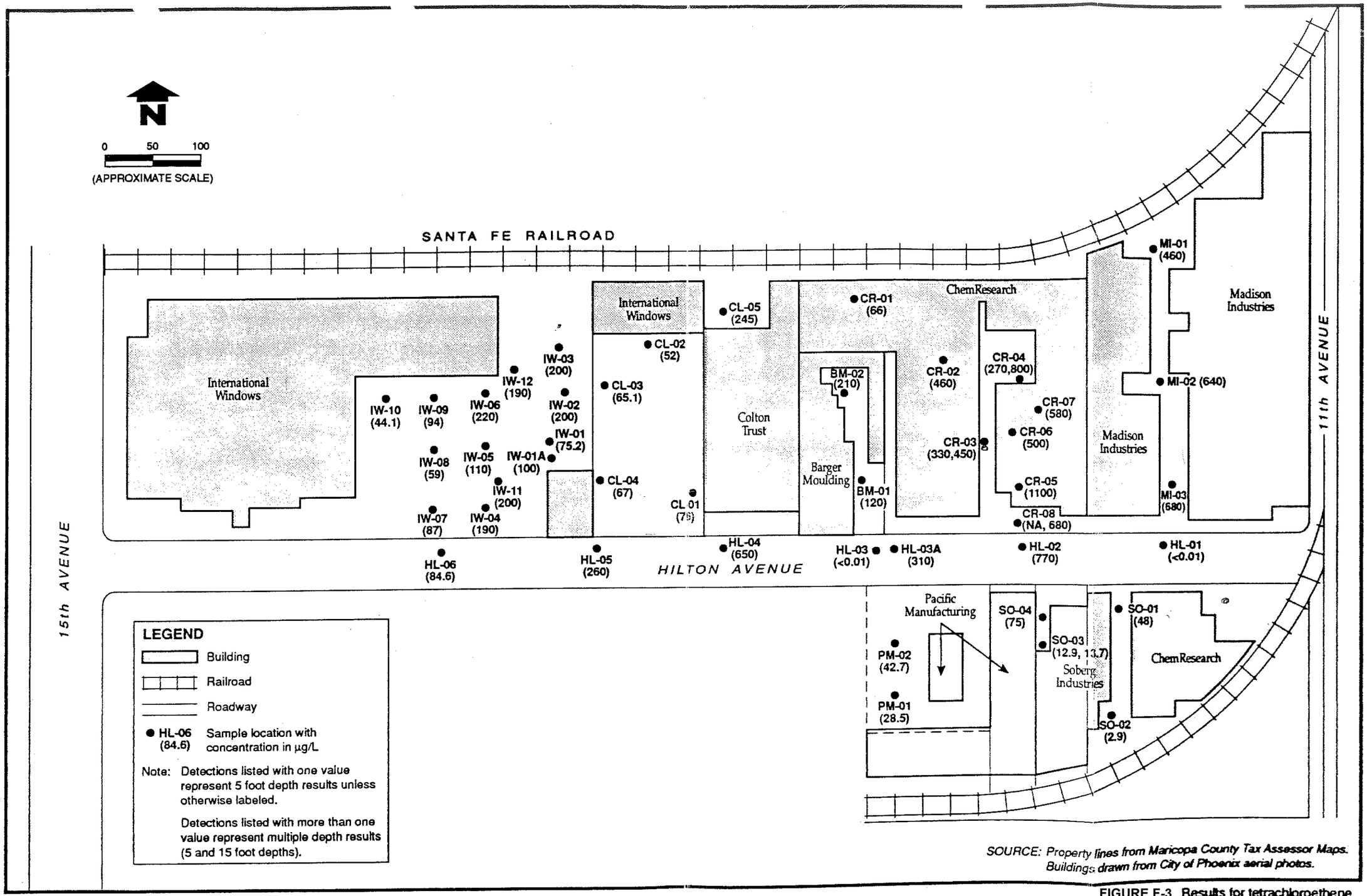


HARGIS+ASSOCIATES, INC

CR12F02 F

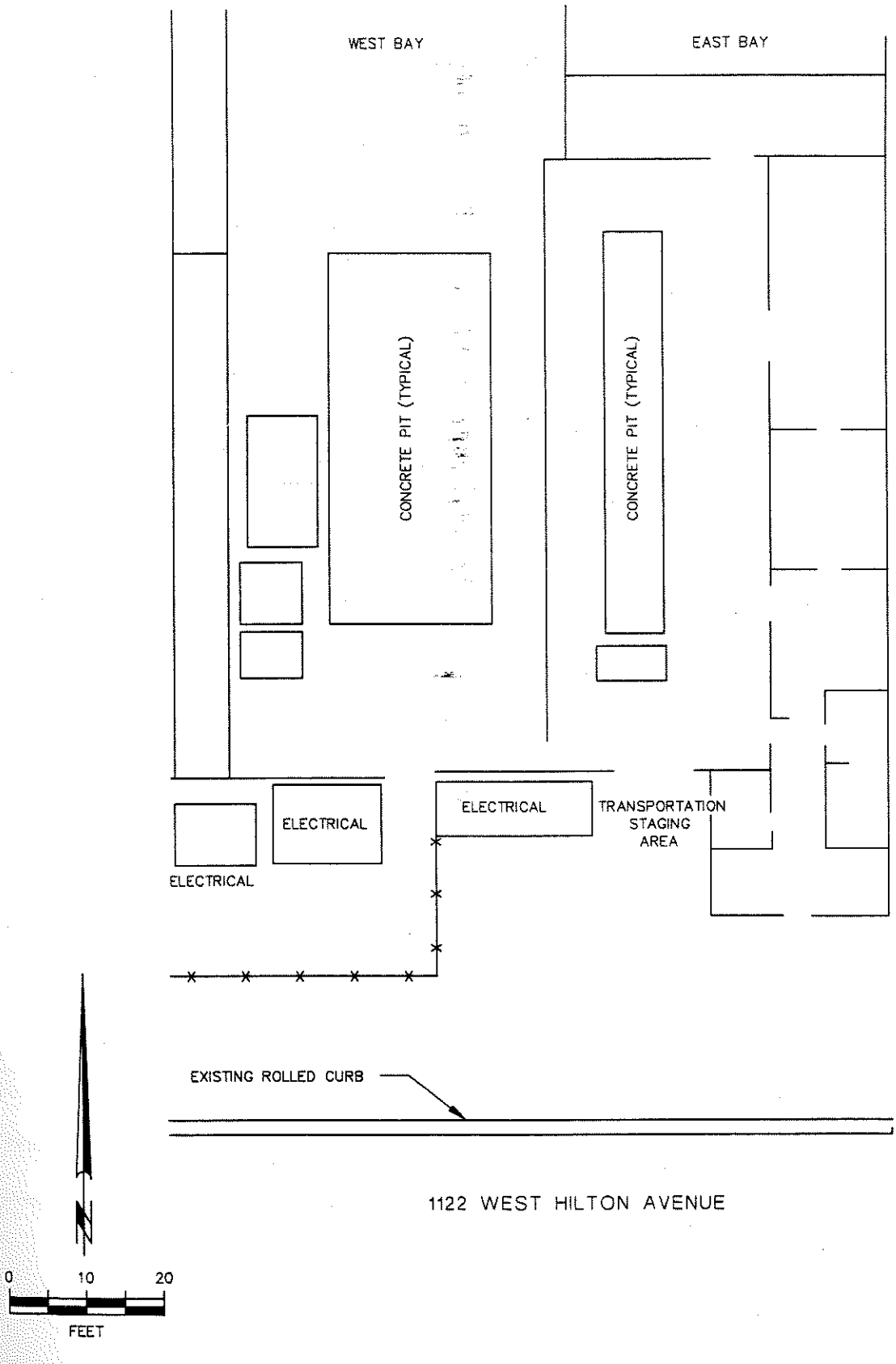
FIGURE F-2 SCHEMATIC SITE DIAGRAM

5050.1.2.12



ADEQ/0304-02/12-17-92

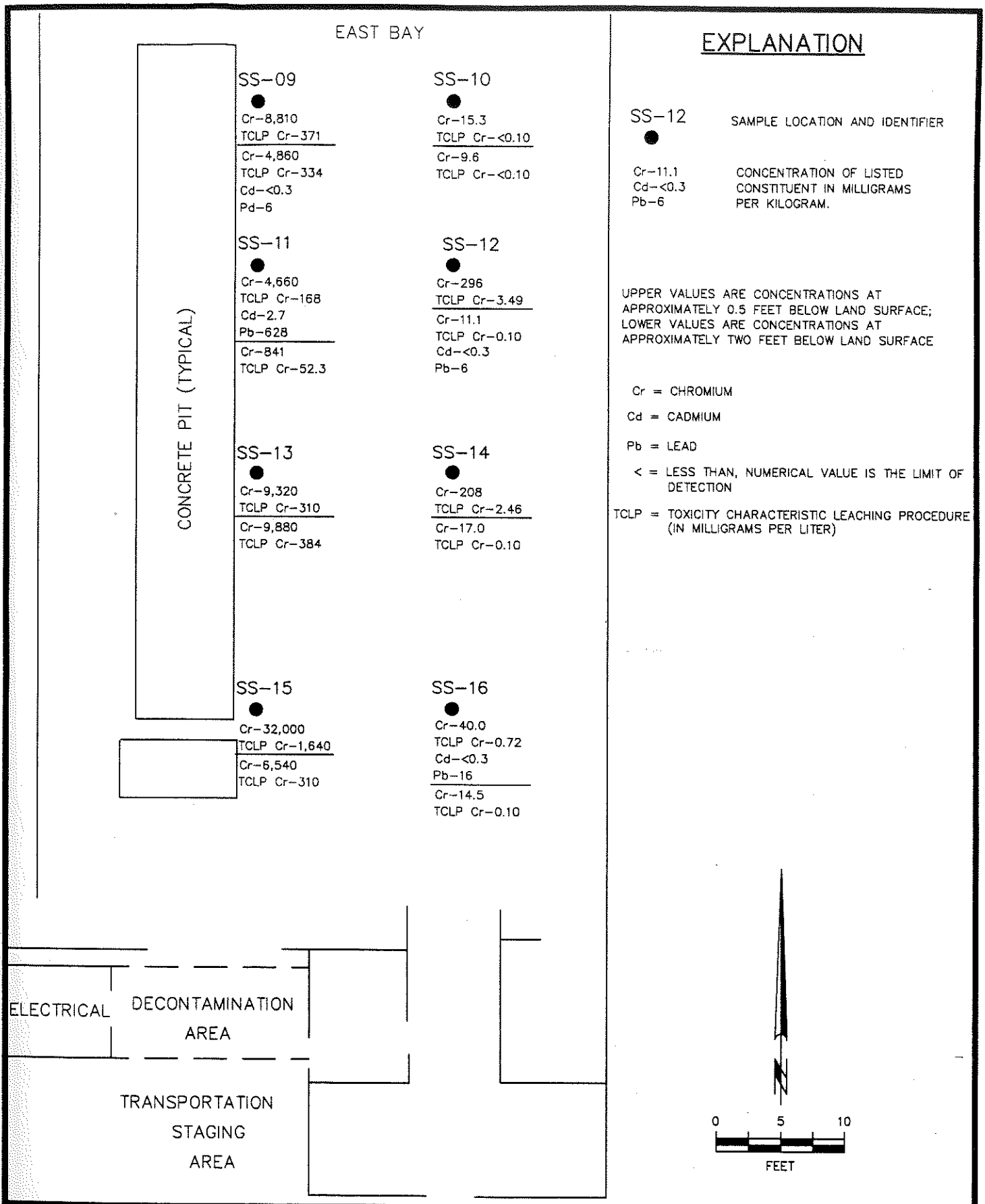
FIGURE F-3 Results for tetrachloroethene (µg/L), Hilton Avenue Soil Gas Survey.



HARGIS + ASSOCIATES, INC.

RPT NO. 525.07 | 410-1303 | A

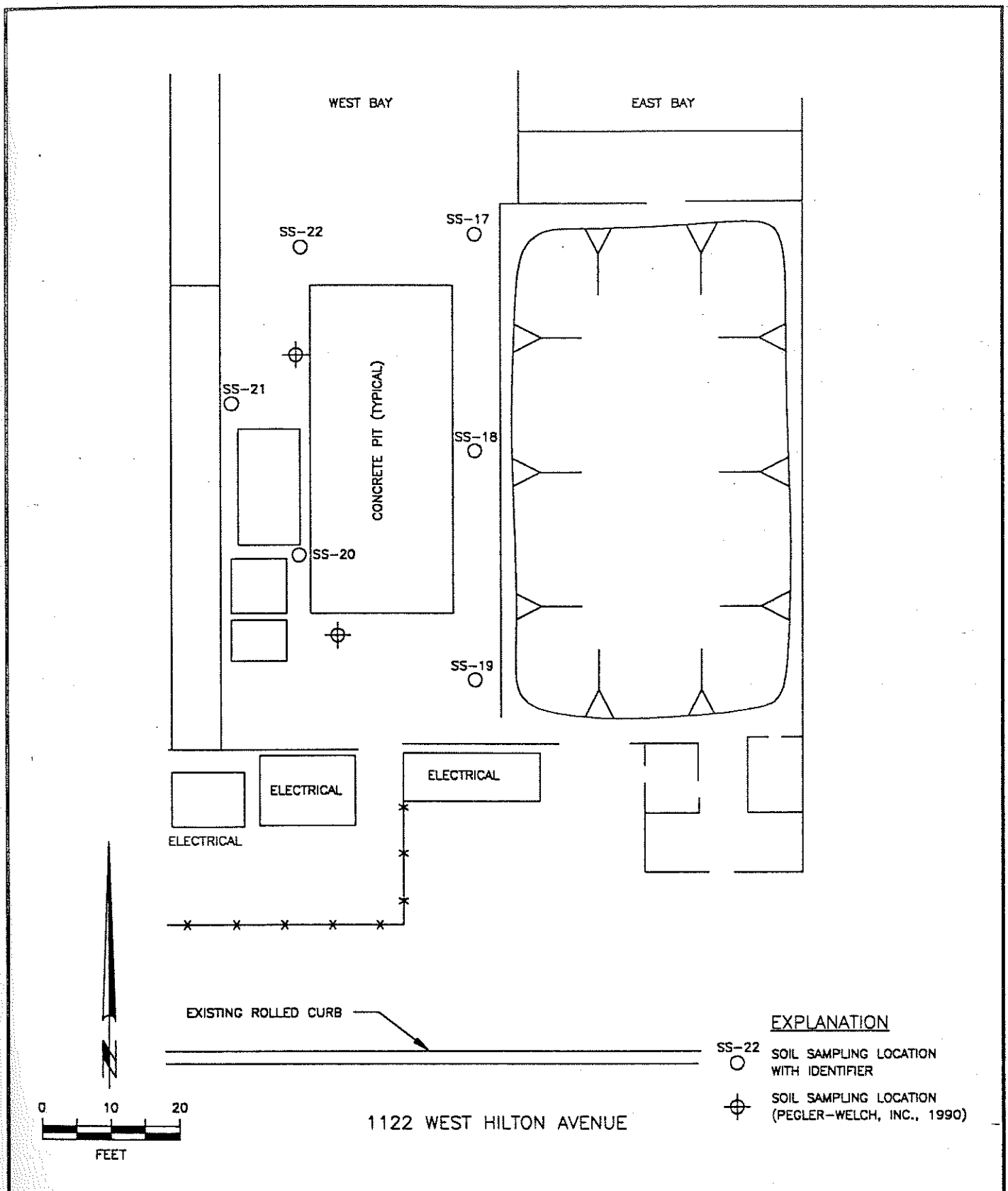
FIGURE F-4 SITE LOCATION - DETAIL



HARGIS + ASSOCIATES, INC.

RPT NO. 525.07	410-1306	B

FIGURE F-5 RESULTS OF INITIAL SOIL SAMPLING



HARGIS + ASSOCIATES, INC.

RPT NO.	CR12F04	B

FIGURE F-6 SOIL SAMPLING LOCATIONS

EXPLANATION

WVB-2 ▲ MONITOR WELL LOCATION WITH IDENTIFIER (INSTALLED BY THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY)

CMW-1 △ MONITOR WELL LOCATION WITH IDENTIFIER (INSTALLED BY CHEMRESEARCH COMPANY, INC.)

N

0 800 1600

FEET

CHEMRESEARCH COMPANY, INC.
PHOENIX, ARIZONA

FIGURE F-7
MONITOR WELL LOCATIONS

HARGIS+ASSOCIATES, INC. 3/99

PREPARED BY _____ REVIEWED BY _____ CR22F03

Table F-1 ChemResearch Company, Inc. Well Information
West Van Buren WQARF Site

WVBA WELL ID	OWNER/FACILITY NAME	FACILITY WELL ID	ADWR #	TOTAL DEPTH (FT BTOC)	CASING DIAMETER (INCHES)	PERFORATED INTERVAL (FT BGS)	MEASURING POINT ELEVATION (FT AMSL)
CMW-1	ChemResearch	CMW-1	55-550295	91	4	61-91	1,064.13
CMW-1D	ChemResearch	CMW-1D	55-566844	234	4	194-234	1,064.64
CMW-2	ChemResearch	CMW-2	55-550296	91	4	61-91	1,064.51
CMW-3	ChemResearch	CMW-3	55-562041	130	4	70-130	1,057.54
CMW-4	ChemResearch	CMW-4	55-570659	90	4	60-90	1057.65
CMW-5	ChemResearch	CMW-5	55-568583	90	4	60-90	1061.31

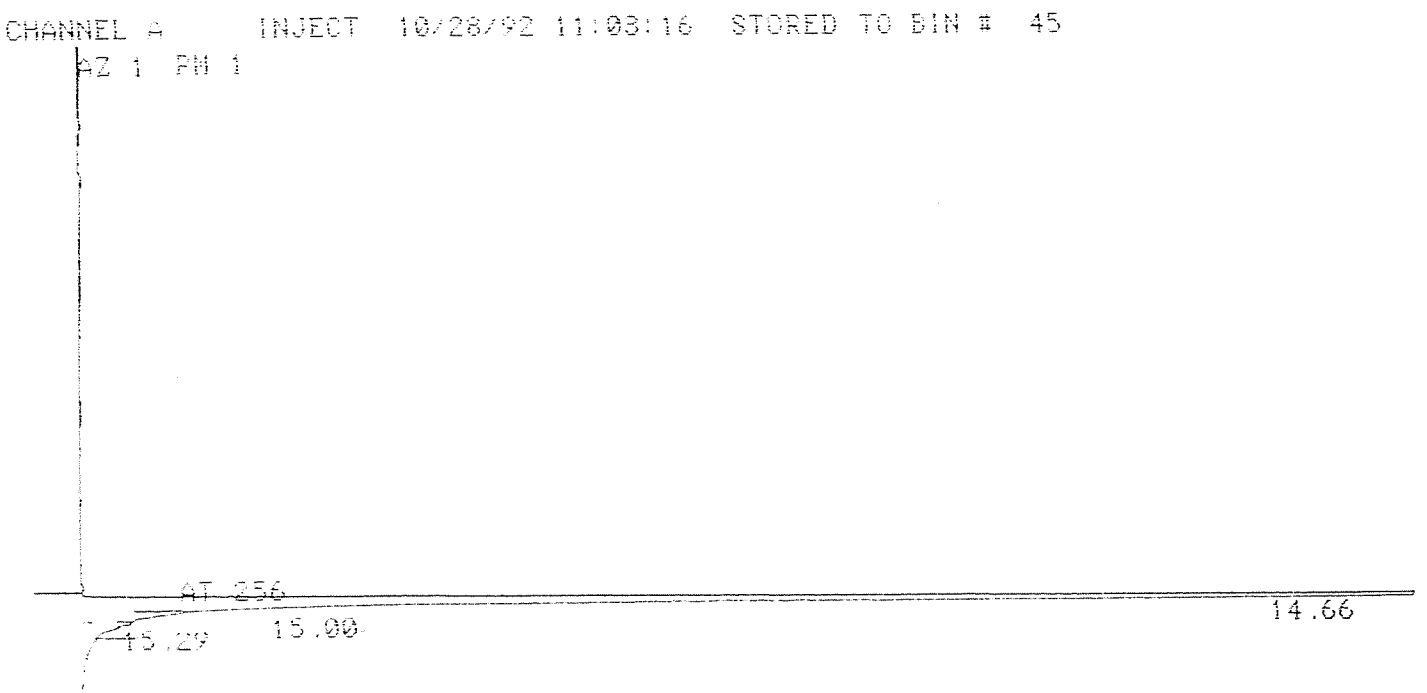
Notes: FT BTOC - Feet Below Top Of Casing
FT BGS - Feet Below Ground Surface
FT AMSL - Feet Above Mean Sea Level

HYDRO GEO CHEM, INC.

Sample # FB 102892 Date/Time 10/28/92 10:30 Data Base File 5130weston
Location Description LAB Site
Sampler's Signature M. Joe Fs. Soil ___ Water ___ ~~soil gas~~ FB
Weather Cloudy - Some Sprinkles Air Temp.(°F) 75° Soil Temp.(°F) ___
Wind Direction & Speed E-5 Surface Conditions Asphalt
Cartridge # A= B= Sample Size (ml) A= 200 B= ___
Adapter # ___ Probe Depth ___ Probe Volume (ml) 900 ml
Purge Rate 200 Purge ~~Time~~ Vol 2700 ml ~~Minutes~~ Purge Vacuum 2 "Hg
Sample Flow Rate 200 ml/min Sample Vacuum ("Hg) A= 4 B= ___
Notes Field Blank
Lab Receipt: Signature M. Clark Date/Time 10/28/92 10:34

Compound	Concentration (µg/L) A	~~B~~ NE AMBIENT AIR 10/25/92	Notes
Vinyl Chloride	<0.01	<0.01	
1,1-DCE	<0.01	<0.01	
1,2-TDCE	<0.01	<0.01	
1,1-DCA	<0.01	<0.01	
1,2-CDCE	<0.01	<0.01	
Chloroform	<0.01	<0.01	
1,1,1-TCA	<0.01	<0.01	
1,2-DCA	<0.01	<0.01	
TCE	<0.01	<0.01	
1,1,2-TCA	<0.01	<0.01	
PCE	<0.01	<0.01	
%Surr Rec.	100	81	

```
SAMPLE TABLE...
ANALYST (NC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 199) CI=
CONC UNITS (ug/L ) CU="
SAM IX    NAME           SAM AMT      SCALE
SI= 1     SN=" FB102892  SA= 0.2      XF= 1
SI=
END OF DIALOG
/.B/
SAMPLE TABLE...
ANALYST (NC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX    NAME           SAM AMT      SCALE
SI= 1     SN=" FB102892  SA= 0.2      XF= 1
SI=
END OF DIALOG
```




```
DATA SAVED TO BIN #  45


HECD/WESTON                      10/28/92 11:03:16     CH= "A"  PS=  1.

FILE  1.     METHOD  5.     RUN  54     INDEX   1           BIN  45

ANALYST: NC

SAMPLE   1     FB102892    BIN  45  NAME   ARUN0045

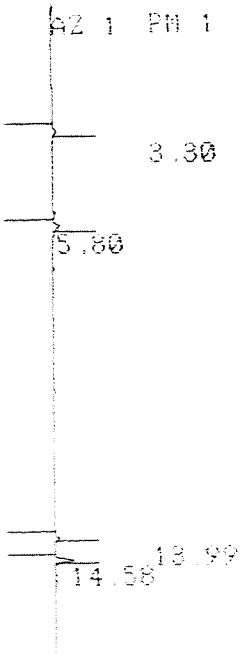
   SA        IS        XF
   0.2       0.        1.

NAME                ug/L       RT       AREA BC      RF

BCP                 4.978    14.66  6832394 0268862089. 100
```

~~TCATTE~~	not on PID	~~1.273~~	15.	390900	02161636.162
~~PCE~~	"	~~0.836~~	15.29	156682	03 937126.096
TOTALS		7.027		7379976	

CHANNEL B INJECT 10/28/92 11:03:16 REPLAYED FROM BIN # 100



DATA SAVED TO BIN # 100

PID/WESTON 10/28/92 11:03:16 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 36 INDEX 1 BIN 100

ANALYST: MC

SAMPLE 1 FB102892 BIN 100 NAME BRUN0035

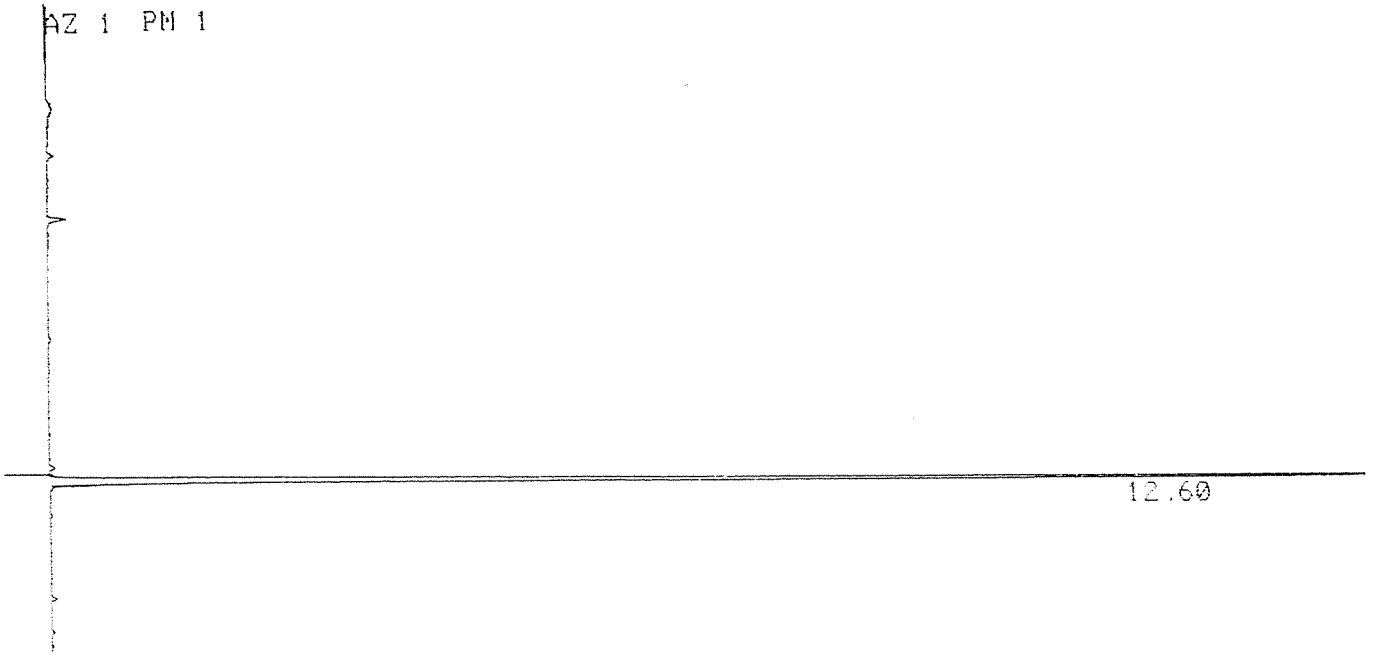
SA	IS	XF
0.2	0.	1.

NAME	ug/L	RT	AREA	BC	RF
~~VCL~~ not on Hall	0.106	3.3	9750	01	460391.619
~~DCE11~~ "	0.047	5.8	18546	01	1972233.332
3	0.	13.99	9565	01	
BCP	4.505	14.58	39679	01	44041. 90.
TOTALS	4.658		77540		

FD 10/29/92

```
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX    NAME          SAM AMT      SCALE
SI= 1     SN=" FB102892  SA= 0.2      XF= 1
SI=
END OF DIALOG
LOW BATTERY


CHANNEL A      INJECT  10/28/92 11:03:17  STORED TO BIN #  45
     AZ 1  PM 1
```




```
DATA SAVED TO BIN #  45


FID/WESTON                        10/28/92 11:03:17      CH= "A"  PS=  1.

FILE  1.      METHOD  5.      RUN  48      INDEX   1             BIN  45

ANALYST: MC

SAMPLE   1      FB102892     BIN  45  NAME   ARUN0045

    SA         IS         XF
   0.2         0.         1.

NAME                 ug/L        RT       AREA BC      RF

BCP                  4.654      12.6     812842 01  873321.

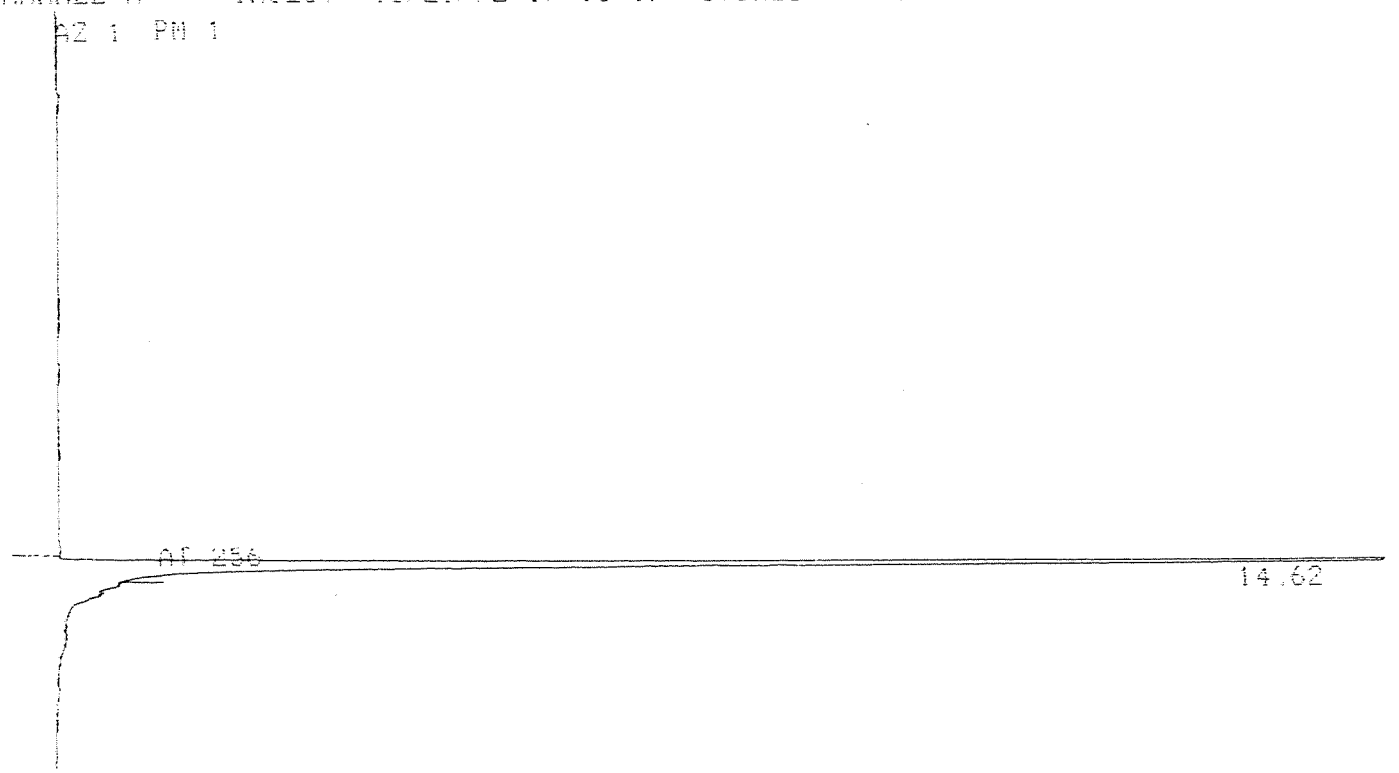
TOTALS               4.654                 812842
```

93

(morning)

```
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX    NAME           SAM AMT      SCALE
SI= 1     SN=" A1RA102892SA= 2.7      XF= 1
SI=
END OF DIALOG
/.A/
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 199) CI=
CONC UNITS (ug/L ) CU="
SAM IX    NAME           SAM AMT      SCALE
SI= 1     SN=" A1RA102892SA= 2.7      XF= 1
SI=
END OF DIALOG

CHANNEL A      INJECT  10/28/92 19:18:19  STORED TO BIN #  59
```




```
         ER 0
DATA SAVED TO BIN #  59


HECD/WESTON                    10/28/92 19:18:19     CH= "A"  PS=  1.

FILE  1.      METHOD  5.      RUN  68      INDEX   1            BIN  59

ANALYST: MC

SAMPLE   1      A1RA102892  BIN  59  NAME   ARUN0059

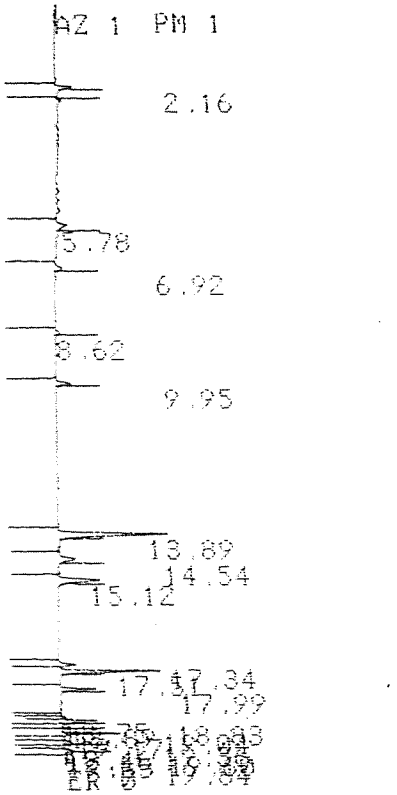
   SA         IS         XF
    2.7        0.         1.
```

NAME	ug/L	RT	AREA	BC	RF
BCP	0.299	14.62	5531569	01	6862089.
TOTALS	0.299		5531569		

91

WARNING - MEMORY AT 1. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

CHANNEL B INJECT 10/28/92 19:13:19 REPLAYED FROM BIN # 114



DATA SAVED TO BIN # 114

PID/WESTON 10/28/92 19:13:19 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 50 INDEX 1 BIN 114

ANALYST: MC

SAMPLE 1 AIRA102892 BIN 114 NAME BRUN0049

SA	IS	XF
2.7	0.	1.

NAME		ug/L	RT	AREA	BC	RF
1		0.	2.16	20944	01	
~~DCE1~~	not on Dell	~~0.004~~	5.78	23800	01	1972233.382
~~TDCE~~	"	~~0.002~~	6.92	13700	01	4085144.441
~~CDCE~~	"	~~0.001~~	8.62	6457	01	2061118.461
5		0.	9.95	22700	01	
6		0.	13.89	220656	01	

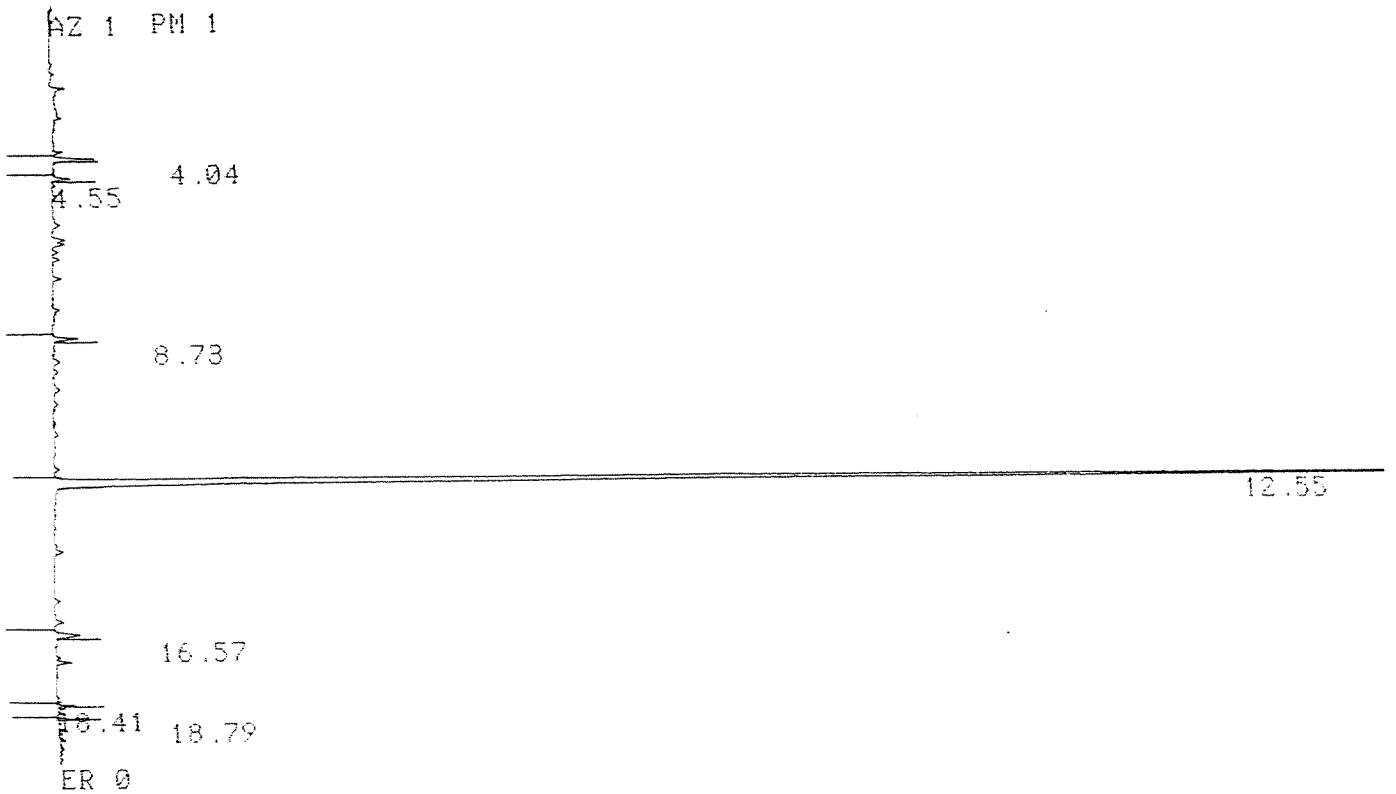
BCP		0.322	14.54	38348 01	44041.
~~PCE~~	II	~~0.015~~	15.12	88232 01	2043163.813
9		0.	17.34	23557 02	
10		0.	17.51	124182 03	
11		0.	17.99	45197 01	
12		0.	18.75	4762 02	
13		0.	18.83	35078 02	
14		0.	18.89	19722 03	
15		0.	19.04	6276 01	
16		0.	19.17	40157 01	
17		0.	19.36	3223 02	
18		0.	19.46	7566 03	
19		0.	19.6	6527 02	
20		0.	19.65	6562 03	
21		0.	19.84	3548 01	
TOTALS		0.344		756194	

WARNING - MEMORY AT 1. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

(MORNING)

```
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX    NAME          SAM AMT      SCALE
SI= 1     SN=" AIRA102892SA= 2.7      XF= 1
SI=
END OF DIALOG
LOW BATTERY

CHANNEL A      INJECT  10/28/92 19:13:19  STORED TO BIN #  59
```

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DATA SAVED TO BIN #  59


FID/WESTON                          10/28/92 19:13:19      CH= "A"  PS=  1.

FILE  1.      METHOD  5.      RUN  62      INDEX   1              BIN  59

ANALYST: MC

SAMPLE   1      AIRA102892  BIN  59  NAME   ARUN0059

    SA         IS         XF
     2.7        0.         1.


NAME                  ug/L        RT       AREA BC      RF

  1                   0.         4.04     14369 01
DCE11                 0.017      4.55      4757 01  103520.962
DCA12                 0.042      8.73      9669 01   86289.583
BCF                   0.35      12.55    827575 01  873321.
  5                   0.        16.57     13230 01
  6                   0.        18.41      3372 01
```

7	0.	18.79	4389 01
TOTALS	0.409		877361

WARNING - MEMORY AT 2. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

HYDRO GEO CHEM, INC.

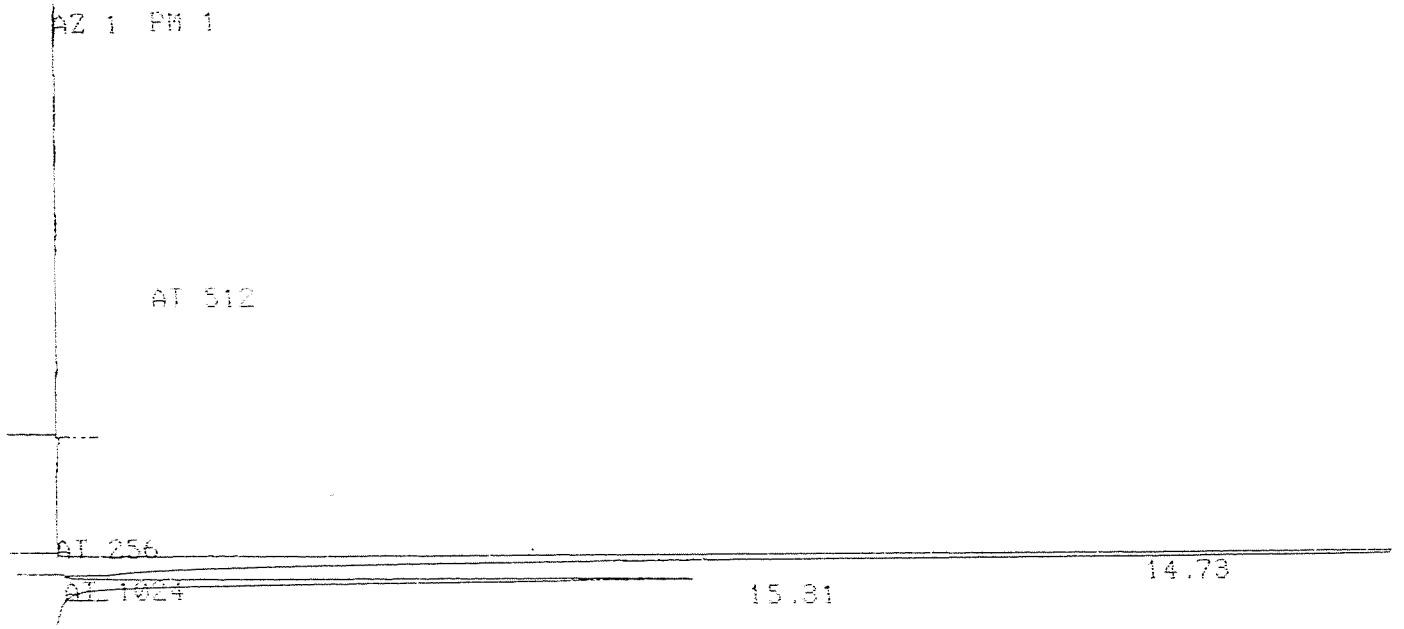
Sample # CR-03-05 Date/Time 10/28/92/21:35 Data Base File 5130weston
Location Description Alleyway at CR - outdoors
Sampler's Signature M. Joe RS Soil ___ Water ___ Soil Gas X
Weather Dark Air Temp.(°F) 70° Soil Temp.(°F) ___
Wind Direction & Speed Calm Surface Conditions Coved concrete
Cartridge # A= B= Sample Size (ml) A= 100 B= 25
Adapter # ___ Probe Depth 5 ft Probe Volume (ml) 900
Purge Rate Full Purge Time 3 Minutes Purge Vacuum 2 "Hg
Sample Flow Rate 100 ml/min Sample Vacuum ("Hg) A= 12 B= 2
Notes ___
Lab Receipt: Signature M. Clark Date/Time 10/29/92 21:45

Compound	Concentration (µg/L) A	B	Notes
Vinyl Chloride	<0.01	<0.01	
1,1-DCE	0.17*	0.21*	* from PID.
1,2-TDCE	<0.01	<0.01	
1,1-DCA	<0.01	<0.01	
1,2-CDCE	<0.01	<0.01	
Chloroform	<0.01	<0.01	
1,1,1-TCA	<0.01	<0.01	
1,2-DCA	<0.01	<0.01	
TCE	1.8*	0.78*	* from PID
1,1,2-TCA	<0.01	<0.01	
PCE	450	330	
%Surr Rec	88	88	

```
WARNING - MEMORY AT   6. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 199) CI=
CONC UNITS (ug/L ) CU="
SAM IX   NAME           SAM AMT      SCALE
11
         SN=" CR0305B   SA= 0.025   XF= 1
SI=
END OF DIALOG
/.B/
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX   NAME           SAM AMT      SCALE
SI= 1    SN=" CR0305B   SA= 0.025   XF= 1
SI=
END OF DIALOG


CHANNEL A      INJECT  10/28/92 22:18:37  STORED TO BIN #  66
```




```
DATA SAVED TO BIN #  66


HECD/WESTON                        10/28/92 22:18:37      CH= "A"  PS=  1.

FILE  1.     METHOD  5.     RUN  75     INDEX   1            BIN  66

ANALYST: MC

SAMPLE   1     CR0305B     BIN  66  NAME   ARUN0066

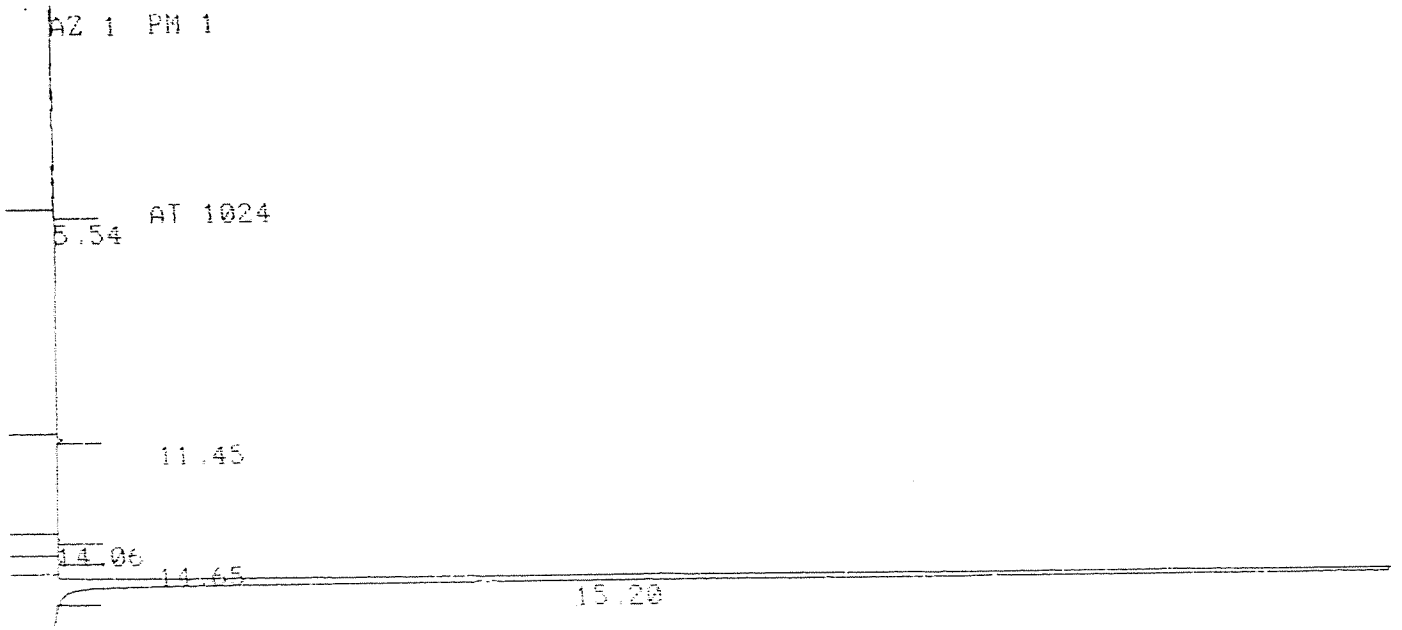
   SA        IS        XF
    0.025    0.        1.

NAME                ug/L       RT       AREA BC      RF
```

BCP	35.148	14.73	6029713	026862089. 88
PCE	328.194	15.31	7688981	03 937126.096
TOTALS	363.342		13718694	

WARNING - MEMORY AT 3. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

CHANNEL B INJECT 10/28/92 22:18:37 REPLAYED FROM BIN # 121



DATA SAVED TO BIN # 121

INPUT OVERRANGE AT RT= 15.27

PID/WESTON 10/28/92 22:18:37 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 57 INDEX 1 BIN 121

ANALYST: MC

SAMPLE 1 CR0305B BIN 121 NAME BRUN0056

SA	IS	XF
0.025	0.	1.

NAME	ug/L	RT	AREA	BC	RF
DCE11	0.214	5.54	10548	011	972233.382
TCE	0.776	11.45	47721	012	459757.926
3	0.	14.06	15668	01	
BCP	28.879	14.65	31797	01	44041. 72
PCE	385.086	15.2	19667273	012	043163.813
TOTALS	414.905		19773007		

SAMPLE TABLE...
ANALYST (MC) AN="
INJECTIONS/SAMPLE [0-254] (1.) RA=
SAMPLES BETWEEN CALIB [0-254] (100) CI=
CONC UNITS (ug/L) CU="
SAM IX NAME SAM AMT SCALE
SI= 1 SN=" CR0305B SA= 0.025 XF= 1
SI=
END OF DIALOG
LOW BATTERY

CHANNEL A INJECT 10/28/92 22:18:37 STORED TO BIN # 67

DATA SAVED TO BIN # 67

FID/WESTON 10/28/92 22:18:37 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 69 INDEX 1 BIN 67

ANALYST: MC

SAMPLE 1 CR0305B BIN 67 NAME ARUN0061

SA	IS	XF
0.025	0.	1.

NAME	ug/L	RT	AREA BC	RF
~~TDCE~~ n-propyl ne	~~4.791~~	5.74	11022 01	92029.167
BCP	34.38	12.67	750619 01	873321. 86
PCE	567.167	14.49	751720 01	53015.789
TOTALS	606.338		1513361	

WARNING - MEMORY AT 1. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

HYDRO GEO CHEM, INC.

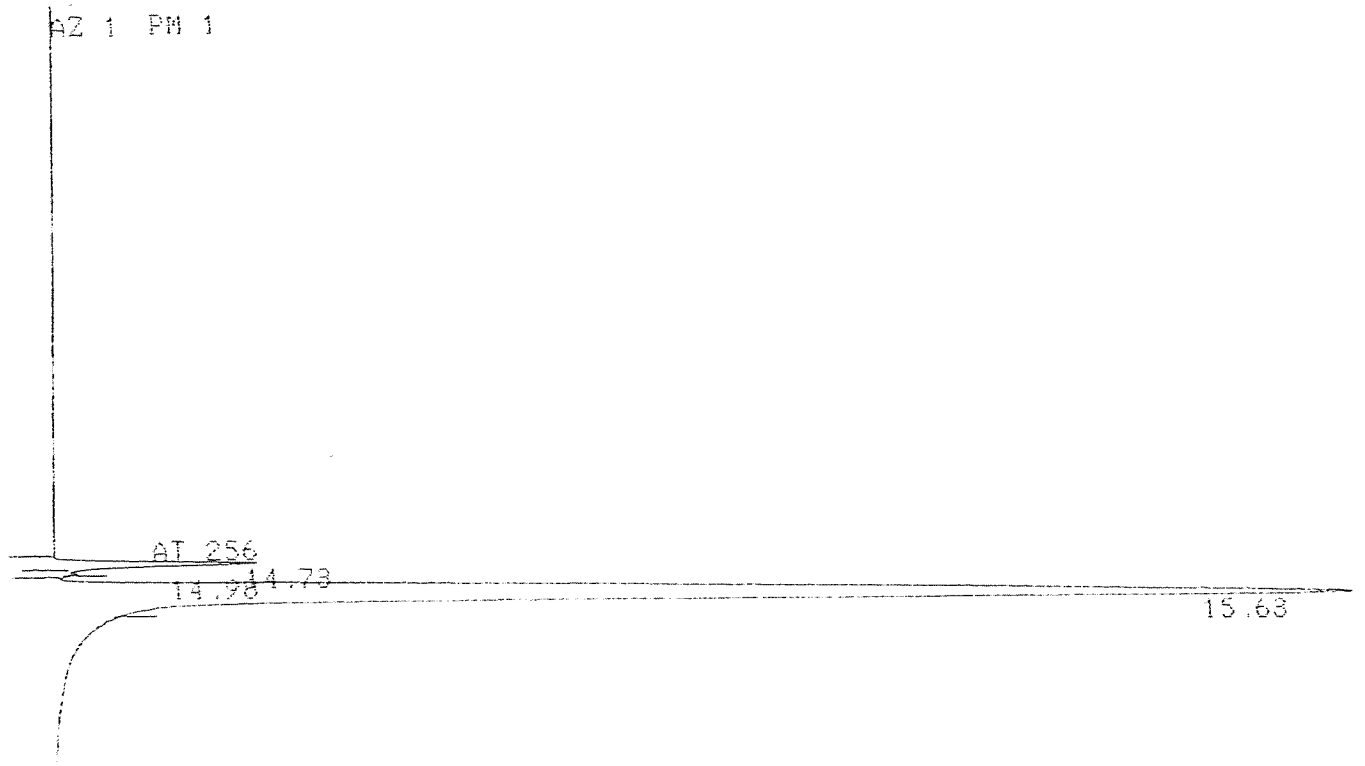
Sample # CR-05-05 Date/Time 10/28/92/24:00 Data Base File 5130weston
Location Description Inside Chem Research Facilities
Sampler's Signature M. Mac Kie Soil ___ Water ___ Soil Gas X
Weather: Midnight - DARK Air Temp.(°F) 70°. Soil Temp.(°F) ___
Wind Direction & Speed — Surface Conditions Cored Concrete
Cartridge # A= B= Sample Size (ml) A= 100 B= 25
Adapter # ___ Probe Depth 5 ft Probe Volume (ml) 900
Purge Rate Full Purge Time 3 Minutes Purge Vacuum 2 "Hg
Sample Flow Rate 100 ml/min Sample Vacuum ("Hg) A= < 2" B= < 2
Notes ~~HAND~~ Driven with Rotation ease
Lab Receipt: Signature M. Clark Date/Time 10/29/92 24:19

Compound	Concentration (ug/L) A	B	%RD	Notes
Vinyl Chloride	<0.01	<0.01	0	A is ran at different Range than B
1,1-DCE	<0.01	<0.01	0	
1,2-TDCE	<0.01	<0.01	0	
1,1-DCA	<0.01	<0.01	0	
1,2-CDCE	<0.01	<0.01	0	
Chloroform	<0.01	<0.01	0	
1.1.1-TCA	<0.01	<0.01	0	
1,2-DCA	<0.01	<0.01	0	
TCE	~~1.84~~ 13.2	12.03*	9	*from PID
1,1,2-TCA	<0.01	<0.01	0	
PCE	1100	1100	0	
%Surr Rec.	90	105		

```
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 199) CI=
CONC UNITS (ug/L ) CU="
SAM IX   NAME          SAM AMT      SCALE
SI= 1    SN=" CR0505A   SA= 0.1      XF= 10
SI=
END OF DIALOG
SAMPLE TABLE...
ANALYST (MC    ) AN="
.A      FAULT   100: AT  9437
/.B/
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX   NAME          SAM AMT      SCALE
11
         SN=" CR0505A   SA= 0.1      XF= 10
SI=
END OF DIALOG
```

AECD Range = 1000
PID Range = 10
FID Range = 10

```
CHANNEL A      INJECT  10/29/92 00:47:50  STORED TO BIN #  70
```




```
          ER 0
DATA SAVED TO BIN #  70

HECD/WESTON                        10/29/92 00:47:50      CH= "A"  PS=  1.

FILE  1.      METHOD  5.      RUN  79      INDEX   1              BIN  70

ANALYST: MC

SAMPLE   1      CR0505A      BIN  70  NAME    ARUN0070
```

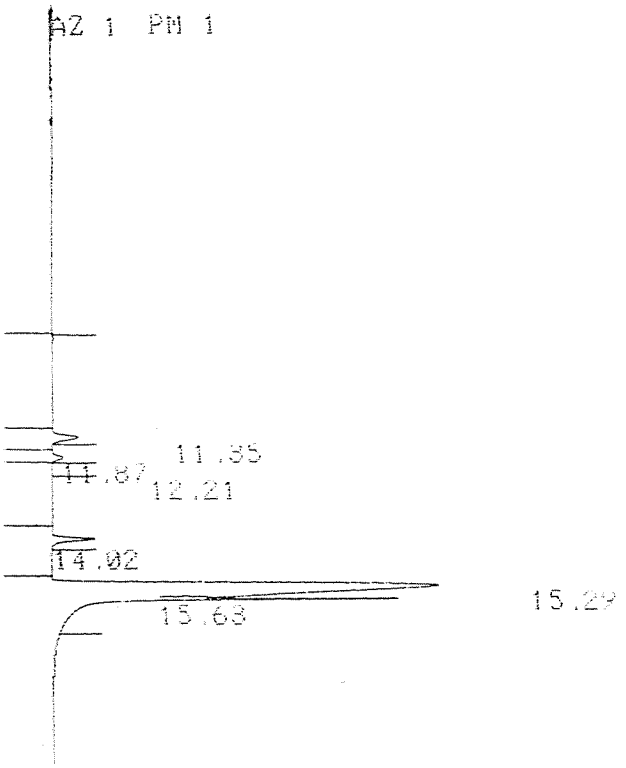
CR0505-05A

SA	IS	XF
0.1	0.	10.

NAME	ug/L	RT	AREA	BC	RF
BCP	8.999	14.73	617522	026862089.	90
~~TCA112~~ electrical noise ~~1.659~~		14.98	26411	031611636.162	
PCE	1069.172	15.63	10019491	01 937126.096	
TOTALS	1079.81		10663424		

WARNING - MEMORY AT 8. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

CHANNEL B INJECT 10/29/92 00:47:49 REPLAYED FROM BIN # 125



ER 0

DATA SAVED TO BIN # 125

PID/WESTON 10/29/92 00:47:49 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 61 INDEX 1 BIN 125

ANALYST: MC

SAMPLE 1 CR0505A BIN 125 NAME BRUN0060

SA	IS	XF
0.1	0.	10.

NAME	ug/L	RT	AREA	BC	RF

TCE	13.218	11.35	325119	012459757.926
2	0.	11.87	109809	01
3	0.	12.21	8497	01
~~BCP~~	~~243.999~~	14.02	415747	01 44041.
PCE	538.266	15.29	10997650	022043163.813
6	0.	15.63	2344686	03

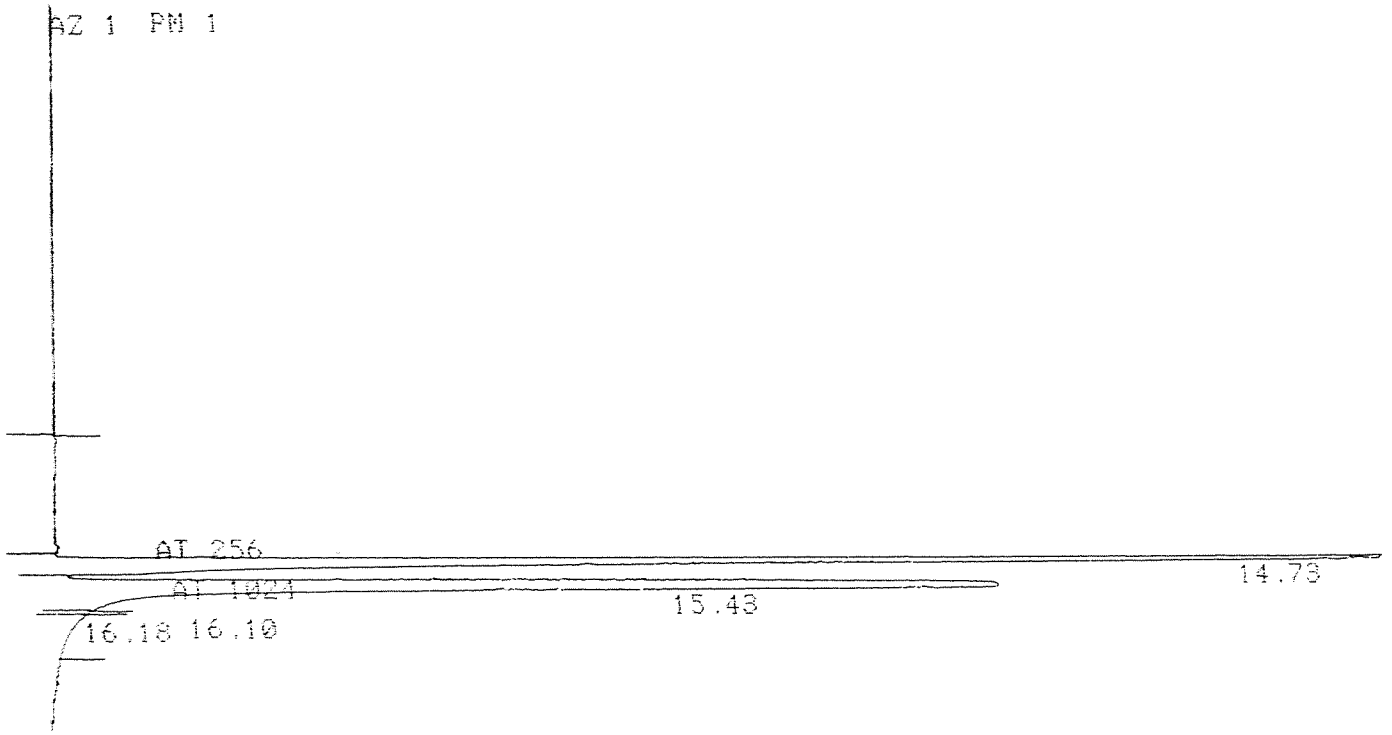
TOTALS 1495.483 14201508

WARNING - MEMORY AT 8. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

```
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX   NAME          SAM AMT     SCALE
11
         SN=" CR0505B   SA= 0.025   XF= 1
SI=
END OF DIALOG
/.A/
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 199) CI=
CONC UNITS (ug/L ) CU="
SAM IX   NAME          SAM AMT     SCALE
SI= 1    SN=" CR0505B   SA= 0.025   XF= 1
SI=
END OF DIALOG
```

maybe overrange will check

```
CHANNEL A      INJECT  10/29/92 00:20:11  STORED TO BIN #  69
```




```
DATA SAVED TO BIN #  69

HECD/WESTON                    10/29/92 00:20:11     CH= "A"  PS=  1.

FILE  1.     METHOD  5.     RUN  78     INDEX   1          BIN  69

ANALYST: MC

SAMPLE   1     CR0505B     BIN  69  NAME   ARUN0069

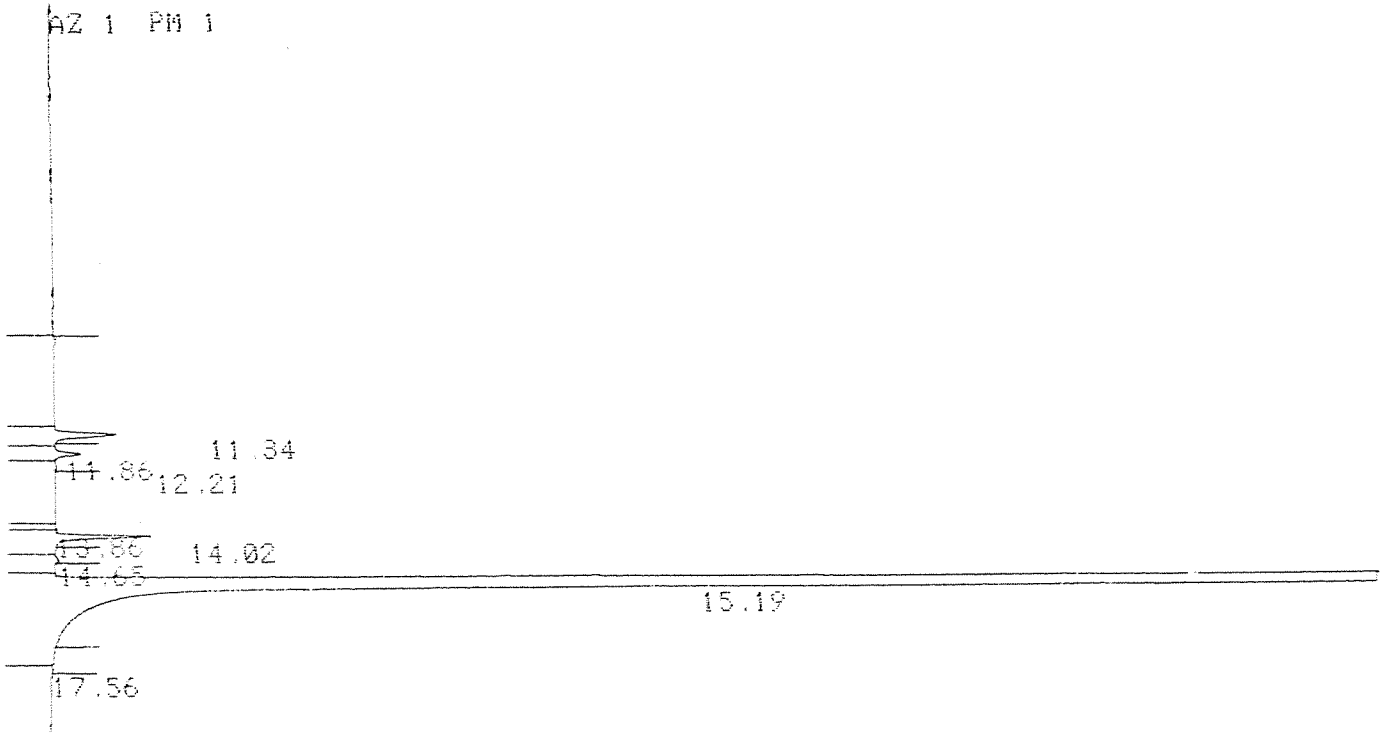
   SA        IS        XF
    0.025     0.        1.
```

NAME	ug/L	RT	AREA	BC	RF
BCP	41.834	14.73	7176635	026862089.	
PCE	1152.102	15.43	26991643	08 937126.096	
3	0.	16.1	764	05	
4	0.	16.18	474	05	
TOTALS	1193.936		34169516		

105

WARNING - MEMORY AT 5. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

CHANNEL B INJECT 10/29/92 00:20:11 REPLAYED FROM BIN # 124



DATA SAVED TO BIN # 124

INPUT OVERRANGE AT RT= 15.42

PID/WESTON 10/29/92 00:20:11 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 60 INDEX 1 BIN 124

ANALYST: MC

SAMPLE 1 CR0505B BIN 124 NAME BRUN0059

SA	IS	XF
0.025	0.	1.

NAME	ug/L	RT	AREA	BC	RF

TCE	12.03	11.34	739796	012459757.926	
2	0.	11.86	248853	02	
3	0.	12.21	19604	03	
4	0.	13.86	13328	02	
5	0.	14.02	843365	03	
BCP	35.525	14.65	39114	01	44041.
PCE	895.322	15.19	45732201	012043163.813	
8	0.	17.56	7221	01	
TOTALS	942.877		47643482		

WARNING - MEMORY AT 5. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

FID/CR0505B

```
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX   NAME          SAM AMT     SCALE
SI= 1    SN=" CR0505B   SA= 0.025   XF= 1
SI=
END OF DIALOG
LOW BATTERY

CHANNEL A     INJECT  10/29/92 00:20:12  STORED TO BIN #  70
```


```
DATA SAVED TO BIN #  70


FID/WESTON                    10/29/92 00:20:12     CH= "A"  PS=  1.

FILE  1.     METHOD  5.     RUN  72     INDEX   1           BIN  70

ANALYST: MC

SAMPLE   1     CR0505B     BIN  70  NAME   ARUN0069

   SA        IS        XF
  0.025     0.        1.


NAME                ug/L        RT       AREA BC      RF

~~TDCE~~ n-propyl   ~~5.~~        5.72     11504 01   92029.167
CDCE                2.887       6.47      6857 01   95005.128
TCE                 7.408       9.76     12857 01   69427.832
  4                 0.         11.04    106541 01
~~TCA112~~ wrong RT ~~34.34~~     11.67     43109 01   70842.767
BCP                43.561      12.69    951070 01  873321.
PCE              4352.71       14.67   5769059 01   53015.789
```

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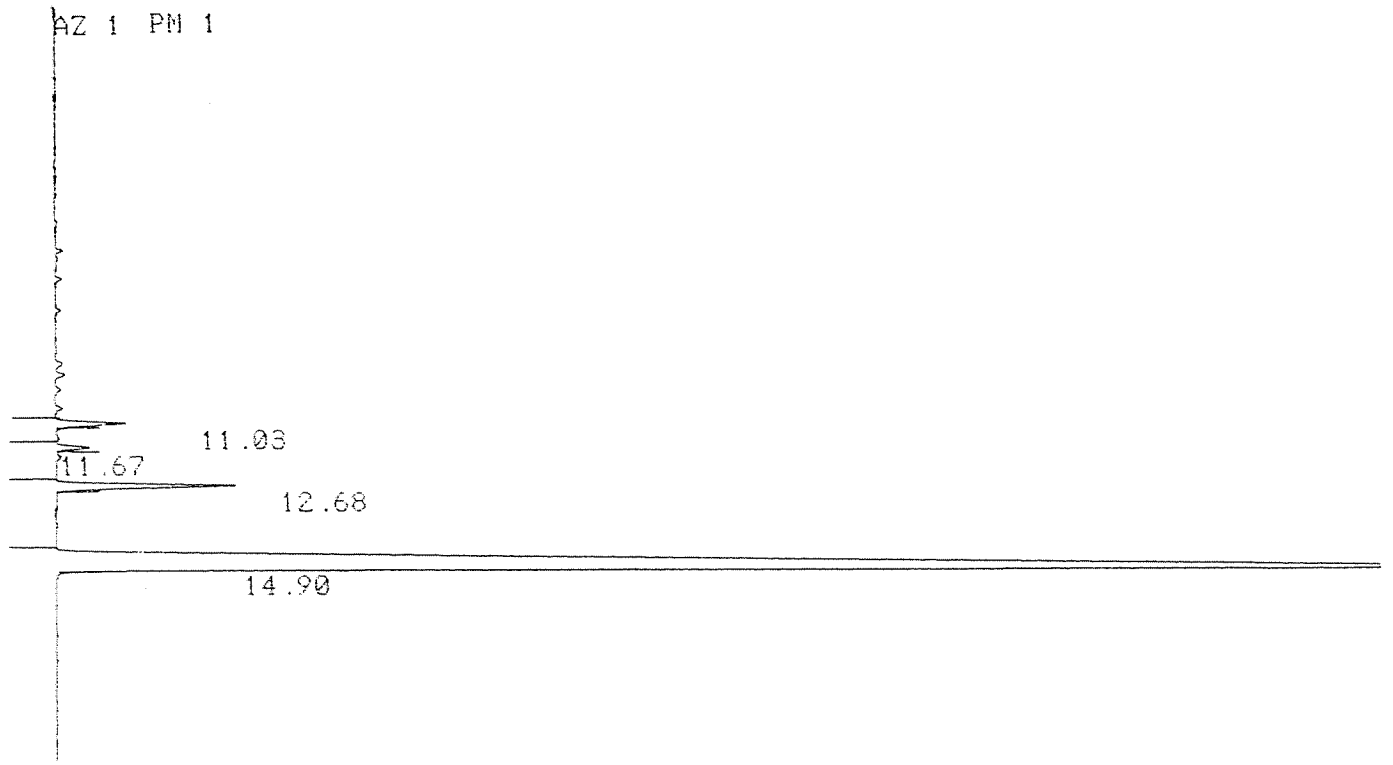
TOTALS 4435.906 6900997

WARNING - MEMORY AT 6. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

SAMPLE TABLE...
ANALYST (MC) AN="
INJECTIONS/SAMPLE [0-254] (1.) RA=
SAMPLES BETWEEN CALIB [0-254] (100) CI=
CONC UNITS (ug/L) CU="
SAM IX NAME SAM AMT SCALE
SI= 1 SN=" CR0505A SA= 0.1 XF= 10
SI=
END OF DIALOG
LOW BATTERY

CHANNEL A INJECT 10/29/92 00:47:51 STORED TO BIN # 71



DATA SAVED TO BIN # 71

FID/WESTON 10/29/92 00:47:51 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 73 INDEX 1 BIN 71

ANALYST: MC

SAMPLE 1 CR0505A BIN 71 NAME ARUN0070

SA	IS	XF
0.1	0.	10.

NAME	ug/L	RT	AREA	BC	RF
~~TCE~~	~~60.313~~	11.03	41874	01	69427.632
~~TCA112~~ wrong RT	25.531	11.67	18087	01	70842.767
BCP	13.678	12.68	119449	01	873321.
PCE	4540.121	14.9	2406981	01	53015.789
TOTALS	4639.643		2586391		

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HYDRO GEO CHEM, INC.

10/29/92 ma

Sample # TB ~~10/29/92~~ Date/Time 10/29/92 / 01:30 Data Base File 5130weston

Location Description Lab

Sampler's Signature M. Jay Clark Soil ___ Water ___ ~~Soil Gas~~ Trip Blank

Weather ___ Air Temp.(°F) ___ Soil Temp.(°F) ___

Wind Direction & Speed ___ Surface Conditions ___

Cartridge # A= B= Sample Size (ml) A= B=

Adapter # ___ Probe Depth ___ Probe Volume (ml) ___

Purge Rate ___ Purge Time ___ Minutes Purge Vacuum ___ "Hg

Sample Flow Rate ___ ml/min Sample Vacuum ("Hg) A= B=

Notes Trip Blank for 102892 till 01:30 10/29/92

Lab Receipt: Signature M. Clark Date/Time 10/29/92 14:10

Compound	Concentration (µg/L) A	B	Notes
Vinyl Chloride	<0.01		
1,1-DCE	<0.01		
1,2-TDCE	<0.01		
1,1-DCA	<0.01		
1,2-CDCE	<0.01		
Chloroform	<0.01		
1,1,1-TCA	<0.01		
1,2-DCA	<0.01		
TCE	<0.01		
1,1,2-TCA	<0.01		
PCE	<0.01		
%Surr Rec.	N/A		

used for
HECD/SYSBLK

```
SAMPLE TABLE...
ANALYST (      ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 199) CI=
CONC UNITS (ug/L ) CU="
SAM IX    NAME           SAM AMT      SCALE
SI= 1     SN=" TB102892  SA= 1         XF= 1
SI=
END OF DIALOG
/.B/
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX    NAME           SAM AMT      SCALE
SI= 1     SN=" TB102892  SA= 1         XF= 1
SI=
END OF DIALOG


CHANNEL A      INJECT  10/29/92 11:25:29  STORED TO BIN #  73
     AZ 1  PM 1
     |
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     |
     |       AT 128
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     |
     AT 256
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     |
     |
     |
           ER 0
 DATA SAVED TO BIN #  73


 HECD/WESTON                    10/29/92 11:25:29      CH= "A"  PS=  1.

 FILE  1.     METHOD  5.     RUN  82     INDEX   1              BIN  73

 ANALYST: '

 SAMPLE   1     TB102892    BIN  73  NAME   ARUN0073

    SA        IS        XF
     1.        0.        1.
```

NAME ug/L RT AREA BC RF

Used for PID/SYSBIC

TOTALS 0.

WARNING - MEMORY AT 8. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

CHANNEL B INJECT 10/29/92 11:25:29 REPLAYED FROM BIN # 128

ER 0

DATA SAVED TO BIN # 128

PID/WESTON 10/29/92 11:25:29 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 64 INDEX 1 BIN 128

ANALYST: MC

SAMPLE 1 TB102892 BIN 128 NAME BRUN0063

SA	IS	XF
1.	0.	1.

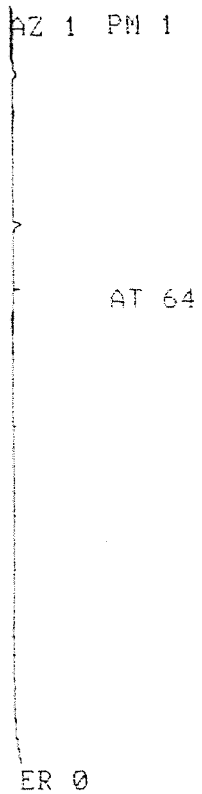
NAME ug/L RT AREA BC RF

TOTALS 0.

WARNING - MEMORY AT 8. K - UNPROTECTED CHROMATOGRAMS WILL BE REPLACED

SAMPLE TABLE...
ANALYST (MC) AN="
INJECTIONS/SAMPLE [0-254] (1.) RA=
SAMPLES BETWEEN CALIB [0-254] (100) CI=
CONC UNITS (ug/L) CU="
SAM IX NAME SAM AMT SCALE
11
SN=" TB102892 SA= 1 XF= 1
SI=
END OF DIALOG
LOW BATTERY

CHANNEL A INJECT 10/29/92 11:25:30 STORED TO BIN # 74



DATA SAVED TO BIN # 74

FID/WESTON 10/29/92 11:25:30 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 76 INDEX 1 BIN 74

ANALYST: MC

SAMPLE 1 TB102892 BIN 74 NAME ABUNØØ73

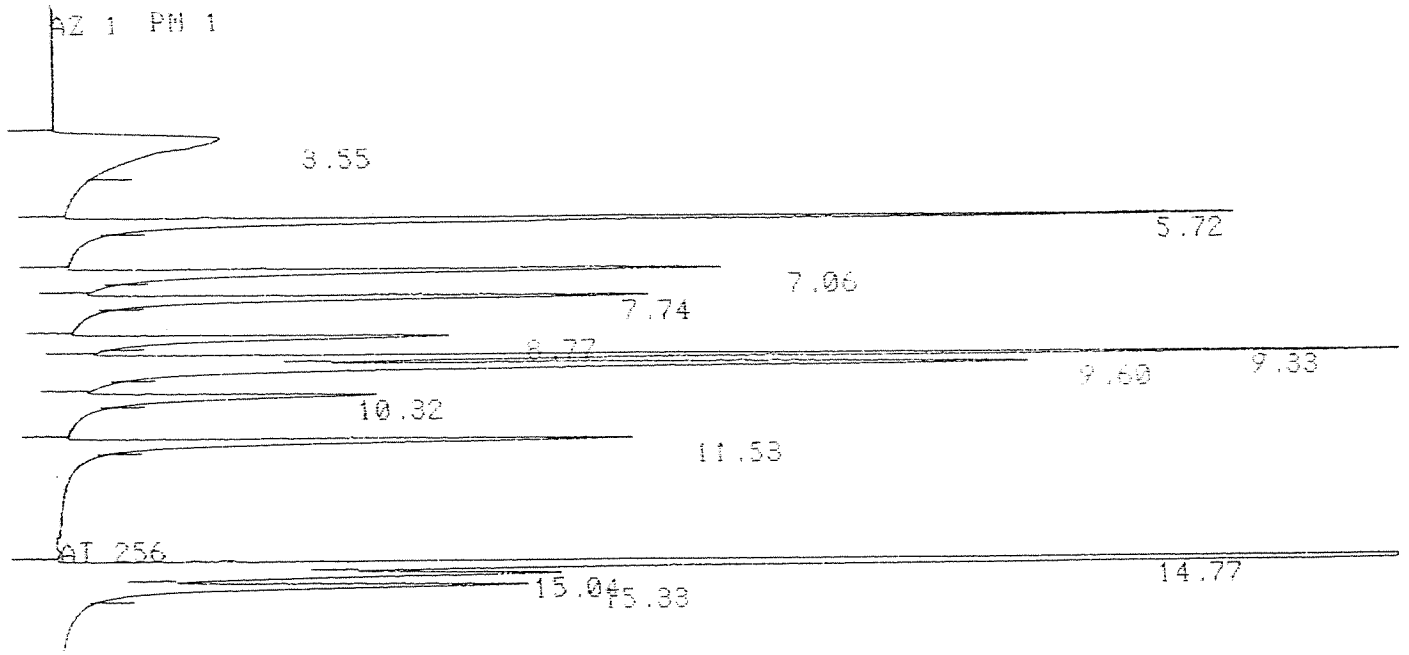
SA	IS	XF
1.	Ø.	1.

NAME	ug/L	RT	AREA BC	RF
TOTALS	Ø.			

HECD/WESTON 10/29/92 11:53:10 CH= "A" PS= 1.

```
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX   NAME          SAM AMT      SCALE
SI= 1    SN=" STDCAL    SA= 1        XF= 1
SI=
END OF DIALOG
/.A/
SAMPLE TABLE...
ANALYST ('     ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 199) CI=
CONC UNITS (ug/L ) CU="
SAM IX   NAME          SAM AMT      SCALE
SI= 1    SN=" STDCAL    SA= 1        XF= 1
SI=
END OF DIALOG
```

CHANNEL A INJECT 10/29/92 11:53:10 STORED TO BIN # 74



DATA SAVED TO BIN # 74

FILE 1. METHOD 5. RUN 83 INDEX 1 CALIB BIN 74

ANALYST: '

NAME	ug/L	RT	AREA	BC	RF
VCL	1.75	3.55	1000199	01	571542.286
DCE11	0.97	5.72	1610893	01	1660714.432
TDCE	0.96	7.06	983624	01	1024608.333
DCA11	0.68	7.74	825684	01	1214241.177
CDCE	0.65	8.77	610151	01	938698.847
CHLOROFORM	1.29	9.33	1897283	02	1470762.016

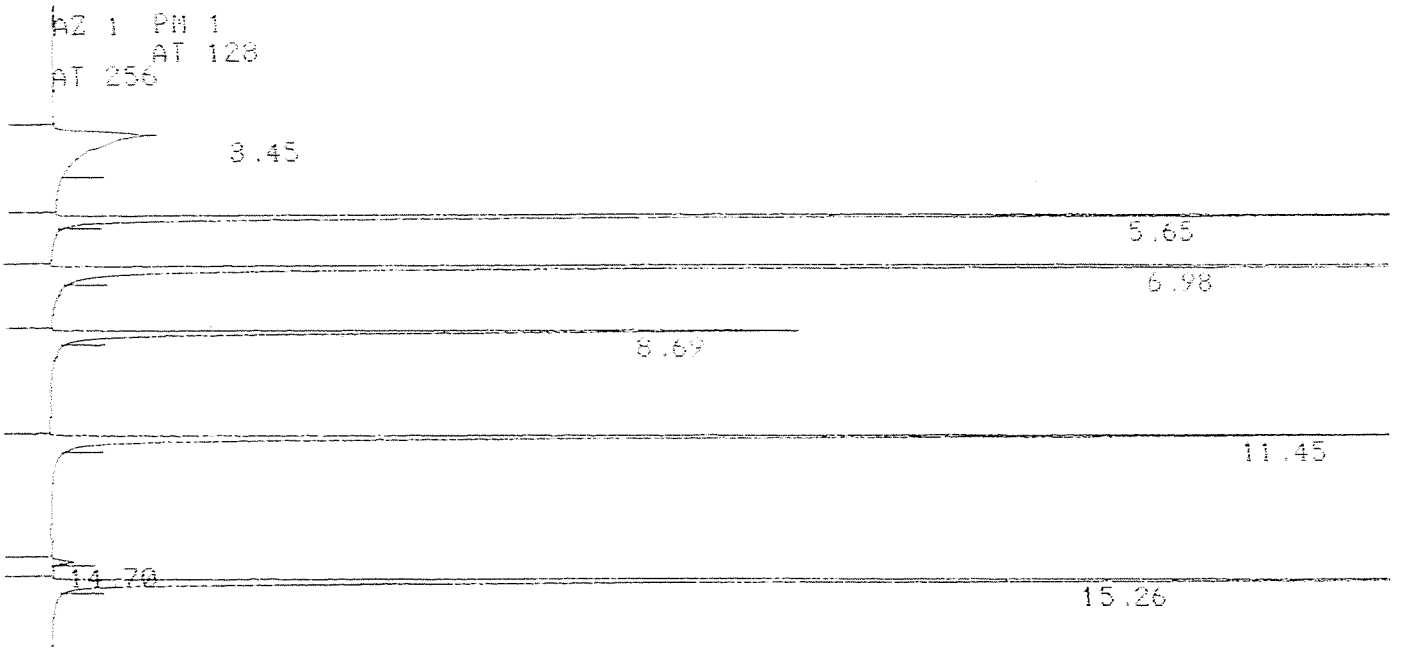
TCA111	1.	9.6	1579869	031579869.
DCA12	0.8	10.32	467687	01 584608.75
TCE	1.03	11.53	888226	01 857500.971
BCP	1.	14.77	6975216	026975216.
TCA112	1.06	15.04	1687014	021591522.642
PCE	1.52	15.33	1596694	031050456.579

TOTALS 12.71 20117540

NEW FILE:

NAME	RF	RT
VCL	571542.286	3.51
DCE11	**********	5.69
TDCE	**********	7.02
DCA11	**********	7.7
CDCE	938693.847	8.73
CHLOROFORM	**********	9.29
TCA111	**********	9.56
DCA12	584608.75	10.28
TCE	857500.971	11.49
BCP	**********	14.72
TCA112	**********	14.99
PCE	**********	15.28

CHANNEL B INJECT 10/29/92 11:53:10 REPLAYED FROM BIN # 1



DATA SAVED TO BIN # 1

PID/WESTON 10/29/92 11:58:10 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 65 INDEX 1 CALIB BIN 1

ANALYST: MC

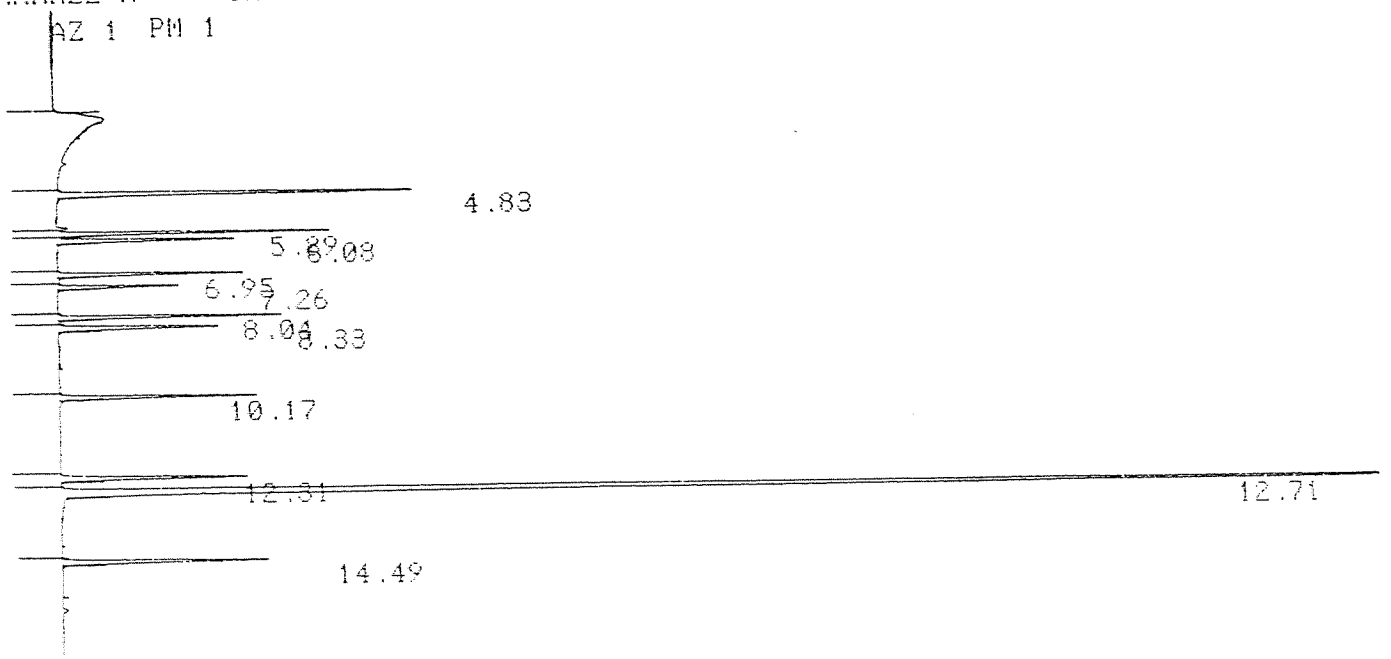
NAME	ug/L	RT	AREA	BC	RF
VCL	1.75	3.45	872250	01	498428.571
DCE11	0.97	5.65	2853479	012	941730.926
TDCE	0.96	6.98	4285366	014	463922.914
CDCE	0.65	8.69	1463736	012	251901.539
TCE	1.03	11.45	2793862	012	712487.379
BCP	1.	14.7	45766	01	45766.
PCE	1.52	15.26	3483576	012	291826.316
TOTALS	7.88		15798035		

NEW FILE:

NAME	RF	RT
VCL	498428.571	3.41
DCE11	**********	5.62
TDCE	**********	6.94
CDCE	**********	8.65
TCE	**********	11.41
BCP	45766.	14.65
PCE	**********	15.21

```
SAMPLE TABLE...
ANALYST (MC    ) AN="
INJECTIONS/SAMPLE [0-254] ( 1. ) RA=
SAMPLES BETWEEN CALIB [0-254] ( 100) CI=
CONC UNITS (ug/L ) CU="
SAM IX    NAME          SAM AMT      SCALE
SI= 1     SN=" STDCAL    SA= 1        XF= 1
SI=
END OF DIALOG
LOW BATTERY

CHANNEL A      INJECT  10/29/92 11:53:11  STORED TO BIN #  75
```




```
DATA SAVED TO BIN #  75

FID/WESTON                        10/29/92 11:53:11     CH= "A"  PS=  1.

FILE  1.     METHOD  5.     RUN  77     INDEX  1     CALIB  BIN  75

ANALYST: MC
```

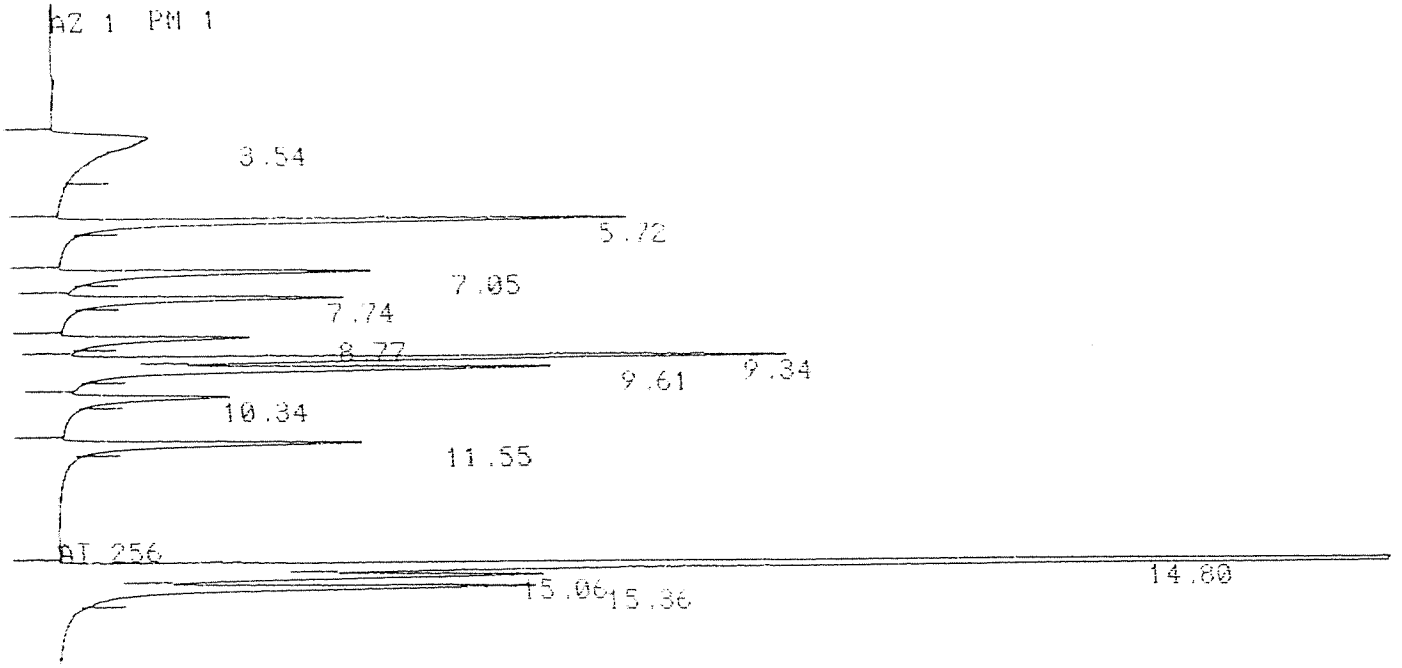
NAME	ug/L	RT	AREA	BC	RF
DCE11	0.97	4.83	145047	01	149532.99
TDCE	0.96	5.89	93314	01	97202.083
DCA11	0.68	6.08	66849	01	98307.353
CDCE	0.65	6.95	65273	01	100420.
CHLOROFORM	1.29	7.26	42831	01	33202.326
TCA111	1.	8.04	79576	01	79576.
DCA12	0.8	8.33	69154	01	86442.5
TCE	1.03	10.17	75958	01	73745.631
TCA112	1.06	12.31	80104	01	75569.811
BCP	1.	12.71	856321	01	856321.
PCE	1.52	14.49	85877	01	56498.026
TOTALS	10.96		1660304		

```
NEW FILE:
```

NAME	RF	RT
VCL	0.	2.73
DCE11	149532.99	4.8
TDCE	97202.083	5.85
DCA11	98307.353	6.04
CDCE	100420.	6.91
CHLOROFORM	33202.326	7.22
TCA111	79576.	8.
DCA12	86442.5	8.28
TCE	73745.631	10.13
TCA112	75569.811	12.26
BCP	856321.	12.66
PCE	56498.026	14.43

HECD / STDCAL #2

CHANNEL A INJECT 10/29/92 12:15:13 STORED TO BIN # 75



DATA SAVED TO BIN # 75

HECD/WESTON 10/29/92 12:15:13 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 84 INDEX 2 CALIB BIN 75

ANALYST: '

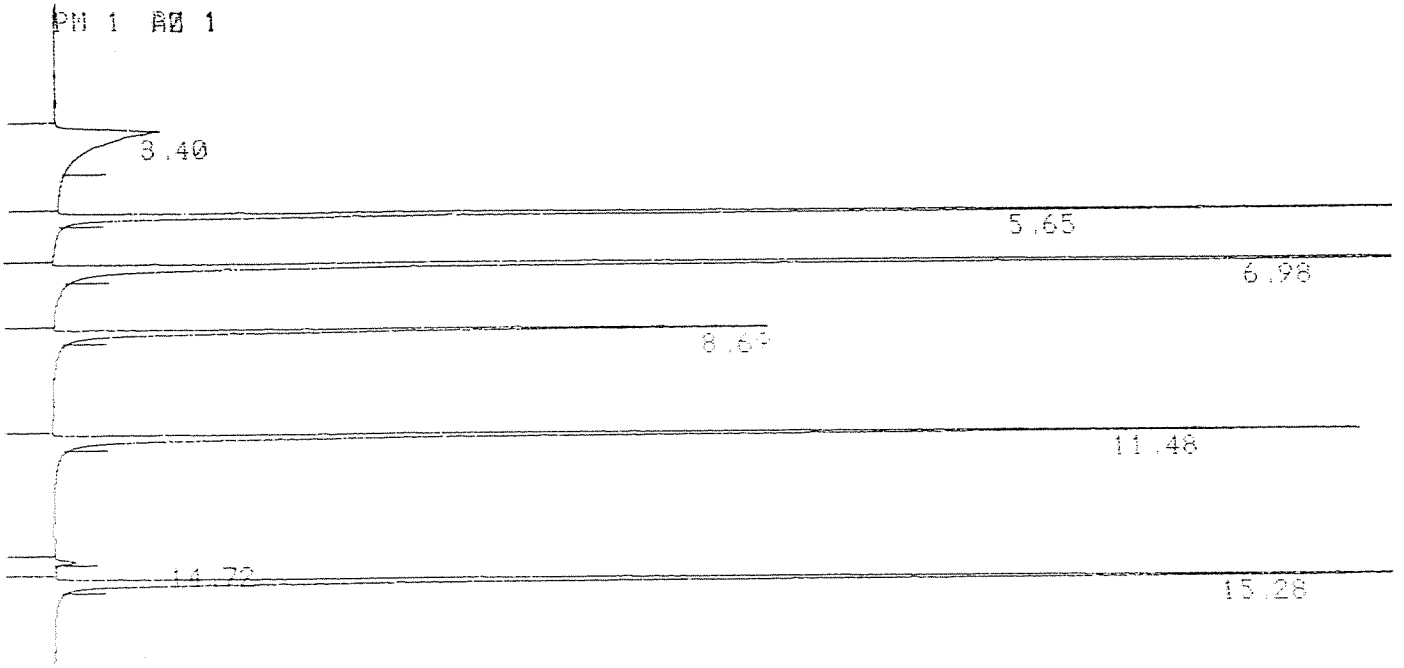
NAME	ug/L	RT	AREA	BC	RF
VCL	1.75	3.54	1206059	01	689176.571
DCE11	0.97	5.72	1639153	011689848	.458
TDCE	0.96	7.05	993083	011034461	.458
DCA11	0.68	7.74	809581	011190560	.294
CDCE	0.65	8.77	616820	01	948953.847
CHLOROFORM	1.29	9.34	1947779	021509906	.202
TCA111	1.	9.61	1596732	031596732	.
DCA12	0.6	10.34	509356	01	686695.
TCE	1.03	11.55	948368	01	920745.631
BCP	1.	14.8	7103847	027103847	.
TCA112	1.06	15.06	1687041	021591548	.113
PCE	1.52	15.36	1722189	031183019	.079
TOTALS	12.71		20780008		

NEW FILE:

NAME	RF	RT
VCL	630859.428	8.53
DCE11	**********	5.71
TDCE	**********	7.04
DCA11	**********	7.72
CDCE	948823.847	8.75

CHLOROFORM	**********	9.32
TCA111	**********	9.59
DCA12	610651.875	10.31
TCE	889123.301	11.52
BCP	**********	14.76
TCA112	**********	15.03
PCE	**********	15.32

CHANNEL B INJECT 10/29/92 12:15:13 REPLAYED FROM BIN # 2



DATA SAVED TO BIN # 2

PID/WESTON 10/29/92 12:15:13 CH= "B" PS= 1.

FILE 1. METHOD. 5. RUN 66 INDEX 2 CALIB BIN 2

ANALYST: MC

NAME	ug/L	RT	AREA BC	RF
VCL	1.75	3.4	925049 01	528599.428
DCE11	0.97	5.65	2755430 01	2840649.484
TDCE	0.96	6.98	4107209 01	4278342.707
CDCE	0.65	8.69	1408100 01	2166307.693
TCE	1.03	11.48	2666281 01	2588622.33
BCP	1.	14.72	44850 01	44850.
PCE	1.52	15.28	3246513 01	2135863.816
TOTALS	7.88		15153432	

NEW FILE:

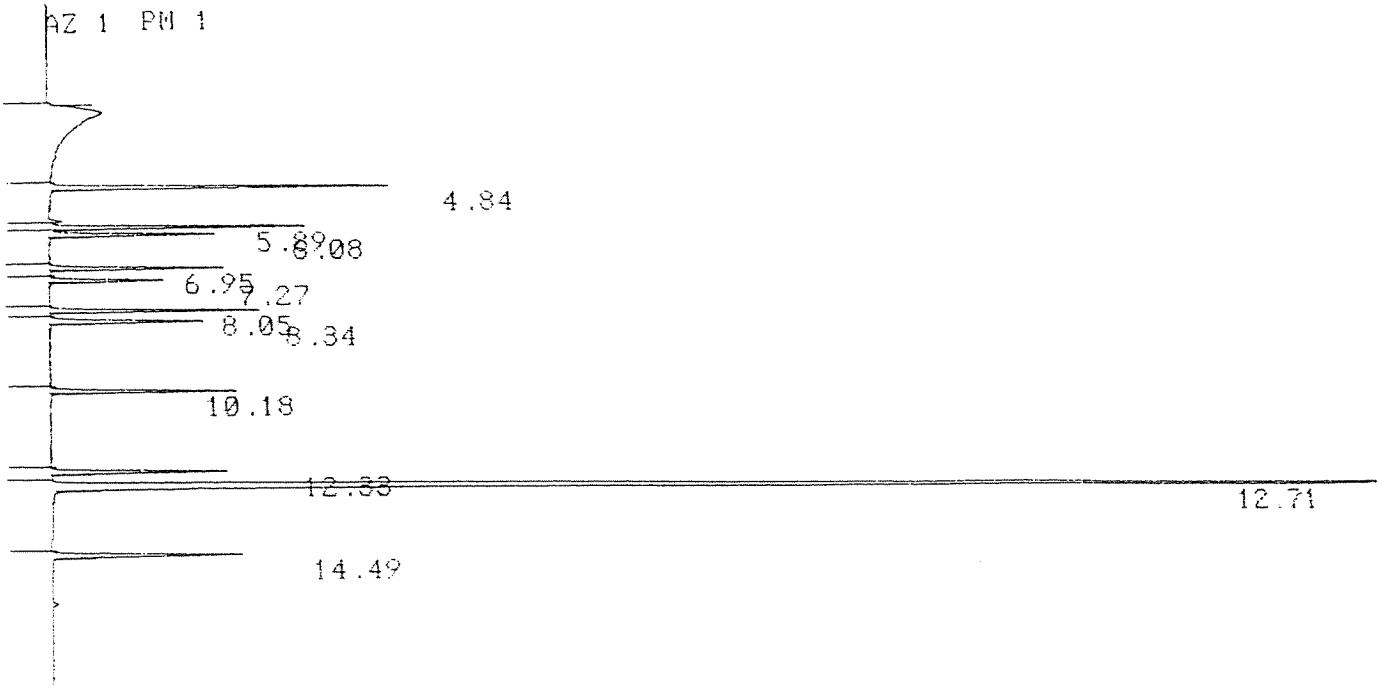
NAME	RF	RT
VCL	513514.	3.41

INDIVIDUAL

DCE11	**********	5.64
TDCE	**********	6.96
CDCE	**********	8.67
TCE	**********	11.45
BCP	45308.	14.69
PCE	**********	15.25

LOW BATTERY

CHANNEL A INJECT 10/29/92 12:15:15 STORED TO BIN # 76



DATA SAVED TO BIN # 76

FID/WESTON 10/29/92 12:15:15 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 78 INDEX 2 CALIB BIN 76

ANALYST: MC

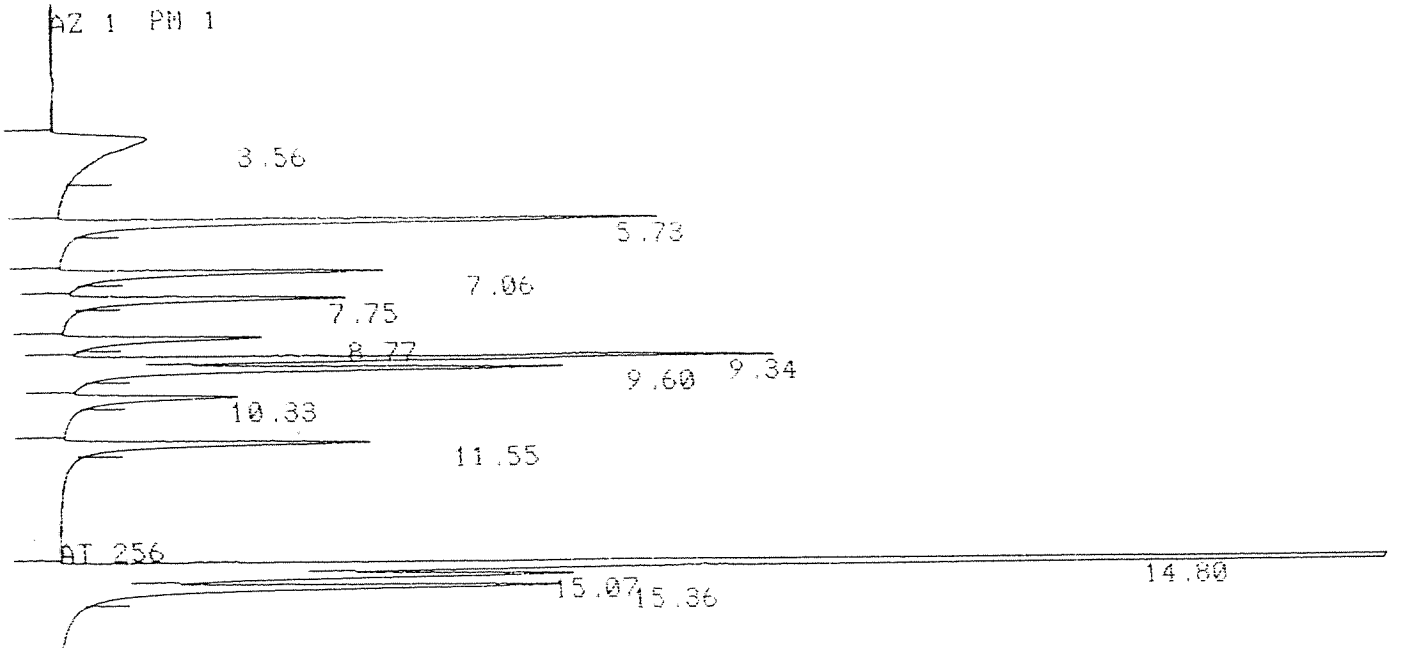
NAME	ug/L	RT	AREA	BC	RF
DCE11	0.97	4.84	139134	01	143437.113
TDCE	0.96	5.89	88740	01	92437.5
DCA11	0.68	6.08	63926	01	94008.824
CDCE	0.65	6.95	62294	01	95836.923
CHLOROFORM	1.29	7.27	40573	01	31451.938
TCA111	1.	8.05	76157	01	76157.
DCA12	0.8	8.34	66545	01	83181.25
TCE	1.03	10.18	72117	01	70016.505
TCA112	1.06	12.33	73292	01	69143.396
BCP	1.	12.71	847596	01	847596.
PCE	1.52	14.49	80215	01	52773.026
TOTALS	10.96		1610589		

NEW FILE:

NAME	RF	RT
VCL	0.	2.73
DCE11	146485.051	4.82
TDCE	94819.792	5.87
DCA11	96158.088	6.06
CDCE	98128.462	6.93

CHLOROFORM	32327.132	7.25
TCA111	77866.5	8.03
DCA12	84811.875	8.31
TCE	71881.068	10.16
TCA112	72356.604	12.3
BCP	851958.5	12.69
PCE	54635.526	14.46

CHANNEL A INJECT 10/29/92 12:38:42 STORED TO BIN # 76



DATA SAVED TO BIN # 76

HECD/WESTON 10/29/92 12:38:42 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 85 INDEX 3 CALIB BIN 76

ANALYST: '

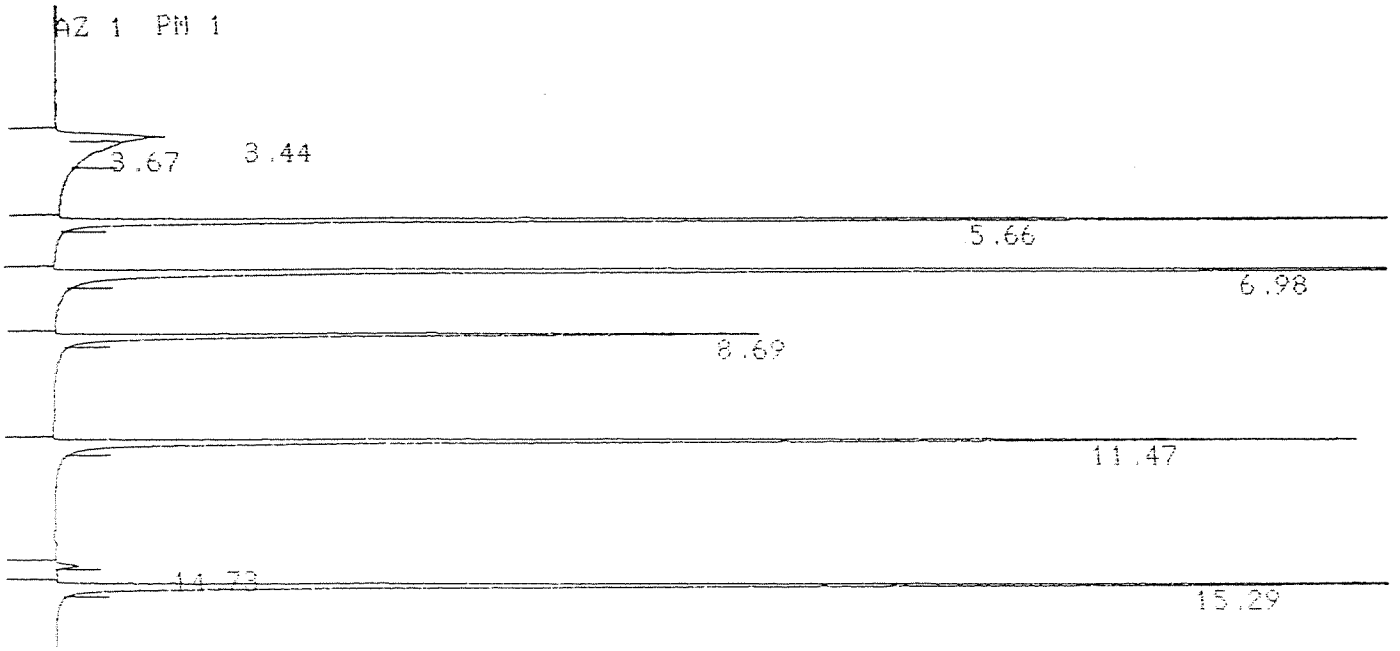
NAME	ug/L	RT	AREA	BC	RF
VCL	1.75	3.56	1208468	01	690553.143
DCE11	0.97	5.73	1715372	011	768424.742
TDCE	0.96	7.06	989291	011	030511.458
DCA11	0.68	7.75	821030	011	207397.059
CDCE	0.65	8.77	684836	01	976670.77
CHLOROFORN	1.29	9.34	1932755	021	498259.69
TCA111	1.	9.6	1600026	031	600026.
DCA12	0.8	10.33	533960	01	667450.
TCE	1.03	11.55	978669	01	950164.078
BCP	1.	14.8	7313270	027	313270.
TCA112	1.06	15.07	1779061	021	678359.435
PCE	1.52	15.36	1786930	031	175611.842
TOTALS	12.71		21293668		

NEW FILE:

NAME	RF	RT
VCL	650423.999	3.55
DCE11	**********	5.72
TDCE	**********	7.05
DCA11	**********	7.74
CDCE	954772.82	8.76
CHLOROFORM	**********	9.33

TCA111	**********	9.6
DCA12	629584.583	10.32
TCE	909470.227	11.54
BCP	**********	14.78
TCA112	**********	15.05
PCE	**********	15.34

CHANNEL B INJECT 10/29/92 12:38:42 REPLAYED FROM BIN # 3



DATA SAVED TO BIN # 3

PID/WESTON 10/29/92 12:38:42 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 67 INDEX 3 CALIB BIN 3

ANALYST: MC

NAME	ug/L	RT	AREA	BC	RF
VCL	1.75	3.44	428839	02	~~244765.143~~ 439603.429
2	0.	3.67	340967	03	
DCE11	0.97	5.66	2756145	01	2841386.598
TDCE	0.96	6.98	4113192	01	4284575.
CDCE	0.65	8.69	1407802	01	2165849.232
TCE	1.03	11.47	2674673	01	2596769.904
BCP	1.	14.73	45503	01	45503.
PCE	1.52	15.29	3250160	01	2138263.158
TOTALS	7.88		15016781		

NEW FILE:

NAME	RF	RT
VCL	423931.047	3.43
DCE11	**********	5.65

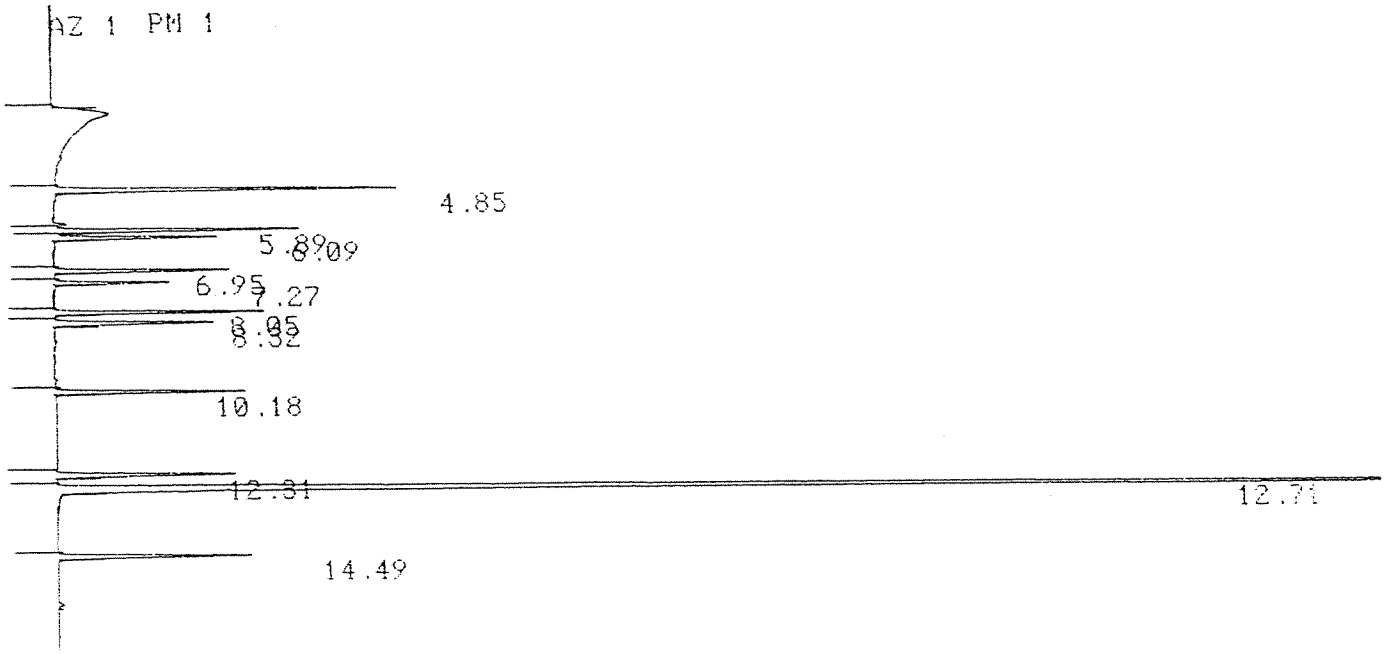
TDCE	**********	6.97
CDCE	**********	8.68
TCE	**********	11.46
BCP	45373.	14.71
PCE	**********	15.27

Vinyl chloride correction for PID

$R_{S\,AVG} = 4776558.714$

LOW BATTERY

CHANNEL A INJECT 10/29/92 12:38:44 STORED TO BIN # 77



DATA SAVED TO BIN # 77

FID/WESTON 10/29/92 12:38:44 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 79 INDEX 8 CALIB BIN 77

ANALYST: MC

NAME	ug/L	RT	AREA	BC	RF
DCE11	0.97	4.85	137812	01	142074.227
TDCE	0.96	5.89	87901	01	91563.542
DCA11	0.68	6.09	63765	01	93772.059
CDCE	0.65	6.95	61864	01	95175.385
CHLOROFORM	1.29	7.27	40956	01	31748.837
TCA111	1.	8.05	76544	01	76544.
DCA12	0.8	8.32	70375	01	87968.75
TCE	1.03	10.18	72281	01	70175.728
TCA112	1.06	12.31	76665	01	72325.472
BCP	1.	12.71	859456	01	859456.
PCE	1.52	14.49	80192	01	52757.895
TOTALS	10.96		1627811		

NEW FILE:

NAME	RF	RT
VCL	0.	2.73
DCE11	145014.776	4.84
TDCE	93734.375	5.88
DCA11	95362.745	6.08
CDCE	97144.103	6.94
CHLOROFORM	32134.367	7.26

TCA111	77425.667	8.04
DCA12	85864.167	8.32
TCE	71312.621	10.17
TCA112	72346.226	12.31
BCP	854457.666	12.7
PCE	54009.649	14.48

Analytical **Technologies,** Inc. 9830 S. 51st Street Suite B-113 Phoenix, AZ 85044 (602) 496-4400

ATI I.D. **505785**

June 6, 1995

Hargis & Associates
1400 E. Southern Avenue
Suite 600
Tempe, AZ 85282

Project Name/Number: ChemResearch/525.03

Attention: Brian Waggle

On **05/16/95**, Analytical Technologies, Inc., received a request to analyze **soil** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA method 8010/8020 analysis was performed by ATI, 2709-D Pan American Freeway, NE, Albuquerque, NM 87107 (See Attachment 1).

Per your request, EPA Method 8010/8020 analysis of samples SS-10-2.0 and SS-15-2.0 was performed at ATI-Albuquerque. The samples were extracted at ATI-Phoenix and the extracts were sent to ATI-Albuquerque. Because these samples were extracted with other samples, the extraction blank could not be sent to ATI-Albuquerque for analysis with these samples.

The sample containers used for EPA Method 8010/8020 were incorrect. ATI received the samples in 8oz. glass jars instead of brass sleeves.

Low matrix spike recovery of chromium was confirmed by re-digestion and re-analysis.

Analytical Technologies, Inc. 9830 S. 51st Street Suite B-113 Phoenix, AZ 85044 (602) 496-4400

Hargis & Associates
ATI I.D. 505785

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Julianne J. Hrubant
Project Manager

Mary Tyer
Project Manager

JJH/jmf
Enclosure

ADHS License No. AZ0061
Elizabeth Proffitt, Laboratory Manager

Analytical Technologies, Inc.

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.03
PROJECT NAME : ChemResearch

DATE RECEIVED : 05/16/95
REPORT DATE : 06/02/95

ATI I.D. : 505785

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	SS-09-0.5	SOIL	05/16/95
02	SS-09-2.0	SOIL	05/16/95
03	SS-10-0.5	SOIL	05/16/95
04	SS-10-2.0	SOIL	05/16/95
05	SS-11-0.5	SOIL	05/16/95
06	SS-11-2.0	SOIL	05/16/95
07	SS-12-0.5	SOIL	05/16/95
08	SS-12-2.0	SOIL	05/16/95
09	SS-13-0.5	SOIL	05/16/95
10	SS-13-2.0	SOIL	05/16/95
11	SS-13-2.0D	SOIL	05/16/95
12	SS-14-0.5	SOIL	05/16/95
13	SS-14-0.5D	SOIL	05/16/95
14	SS-14-2.0	SOIL	05/16/95
15	SS-15-0.5	SOIL	05/16/95
16	SS-15-2.0	SOIL	05/16/95
17	SS-16-0.5	SOIL	05/16/95
18	SS-16-2.0	SOIL	05/16/95
19	RB-03	AQUEOUS	05/16/95

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	18
AQUEOUS	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 505785

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.03
PROJECT NAME : ChemResearch

DATE RECEIVED : 05/16/95
REPORT DATE : 06/02/95

PARAMETER	UNITS	01	02	03	04	05
CADMIUM (EPA 6010)	MG/KG	-	<0.3	-	-	2.7
CHROMIUM (EPA 6010)	MG/KG	8810	4860	15.3	9.6	4660
CHROMIUM (TCLP 1311/6010)	MG/L	371	334	<0.10	<0.10	168
LEAD (EPA 6010)	MG/KG	-	6	-	-	628

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 505785

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.03
PROJECT NAME : ChemResearch

DATE RECEIVED : 05/16/95
REPORT DATE : 06/02/95

PARAMETER	UNITS	06	07	08	09	10
CADMIUM (EPA 6010)	MG/KG	-	-	<0.3	-	-
CHROMIUM (EPA 6010)	MG/KG	841	296	11.1	9320	9880
CHROMIUM (TCLP 1311/6010)	MG/L	52.3	3.49	0.10	310	384
LEAD (EPA 6010)	MG/KG	-	-	6	-	-

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 505785

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.03
PROJECT NAME : ChemResearch

DATE RECEIVED : 05/16/95
REPORT DATE : 06/02/95

PARAMETER	UNITS	11	12	13	14	15
CHROMIUM (EPA 6010)	MG/KG	9290	208	143	17.0	32000
CHROMIUM (TCLP 1311/6010)	MG/L	388	2.46	1.59	0.10	1640

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 505785

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.03
PROJECT NAME : ChemResearch

DATE RECEIVED : 05/16/95
REPORT DATE : 06/02/95

PARAMETER	UNITS	16	17	18
CADMIUM (EPA 6010)	MG/KG	-	<0.3	-
CHROMIUM (EPA 6010)	MG/KG	6540	40.0	14.5
CHROMIUM (TCLP 1311/6010)	MG/L	310	0.72	0.10
LEAD (EPA 6010)	MG/KG	-	16	-

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 505785

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.03
PROJECT NAME : ChemResearch

DATE RECEIVED : 05/16/95
REPORT DATE : 06/02/95

PARAMETER	UNITS	19
CHROMIUM (EPA 200.7/6010)	MG/L	<0.010

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.03
PROJECT NAME : ChemResearch ATI I.D. : 505785

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
CADMIUM	MG/KG	50578505	2.7	2.6	4	49.7	50.0	94
CHROMIUM	MG/L	50578101	0.039	0.040	3	0.937	1.00	90
CHROMIUM	MG/KG	50578501	8810	10600	18	34100	25000	101
CHROMIUM	MG/KG	50578504	9.6	9.3	3	46.4	50.0	74*
CHROMIUM	MG/KG	50578505	4660	4670	0.2	9560	5000	98
CHROMIUM	MG/KG	50578516	6540	6460	1	32200	25000	103
CHROMIUM	MG/L	50578503	<0.10	<0.10	NA	4.30	5.00	86
CHROMIUM	MG/L	50583502	0.58	0.58	0	1.50	1.00	92
CHROMIUM	MG/L	50578517	0.72	0.74	3	1.70	1.00	98
LEAD	MG/KG	50578505	628	638	2	1160	500	106

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

* Result out of limits due to sample matrix interference

Analytical Technologies, Inc.

DATES OF ANALYSIS

ACCESSION #:

SAMPLE ID	TEST AND METHOD NUMBER	DATE OF ANALYSIS	ANALYST
50578502	CADMIUM (EPA 6010)	5/30/95	KJ
50578505	CADMIUM (EPA 6010)	5/30/95	KJ
50578508	CADMIUM (EPA 6010)	5/30/95	KJ
50578517	CADMIUM (EPA 6010)	5/30/95	KJ
50578519	CHROMIUM (EPA 200.7/6010)	5/26/95	KJ
50578501-18	CHROMIUM (TCLP 1311/6010)	5/24/95	KJ
50578501-18	CHROMIUM (EPA 6010)	5/30/95	KJ
50578502	LEAD (EPA 6010)	5/30/95	KJ
50578505	LEAD (EPA 6010)	5/30/95	KJ
50578508	LEAD (EPA 6010)	5/30/95	KJ
50578517	LEAD (EPA 6010)	5/30/95	KJ

REFERENCES: Methods For Chemical Analysis of Water and Wastes, March 1983, EPA-600 4-79-020
Standard Methods for the Examination of Water and Wastewater, 1989, 17th Ed.
Arizona Department of Health Services (ADHS), Division of Laboratory Services Method
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW 846, 3rd Ed.)

HARGIS + ASSOCIATES, INC.

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 05/16/95 PAGE 1 OF 2

PROJECT NAME: CHEMRESEARCH	PROJECT No./TASK No.: 525.03
PROJECT MANAGER: T.M. Turner	Phone No.: 602) 345-0888
QA MANAGER: T.M. Turner	FAX No.: 602) 730-0508
SAMPLER (SIGNATURE): Brian R Waggle	SAMPLER (PRINTED): BRIAN R WAGGLE

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX: Soil	MATRIX: Ground-water	MATRIX: Surface water	PRESERVATION: HCl	PRESERVATION: HNO3	PRESERVATION: NaOH	PRESERVATION: H2SO4	PRESERVATION: Ice	SAMPLE CONTAINERS: 8oz. Glass Jars	ANALYSES REQUESTED: Total Cr (EPA 6010)	ANALYSES REQUESTED: TCLP Cr (EPA 1311/6010)	ANALYSES REQUESTED: Cd, Pb (EPA 6010)	ANALYSES REQUESTED: VOCs (EPA 8010)	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA S	SPECIAL HANDLING
1	SS-09-0.5	05-16-95	0630	X							X	X	X	X				
2	SS-09-2.0		0707	X							X	X	X	X	X			
3	SS-10-0.5		0644	X							X	X	X	X				
4	SS-10-2.0		0756	X							X	X	X	X		X		
5	SS-11-0.5		0635	X							X	X	X	X	X			
6	SS-11-2.0		0745	X							X	X	X	X				
7	SS-12-0.5		0647	X							X	X	X	X				
8	SS-12-2.0		0807	X							X	X	X	X	X			
9	SS-13-0.5		0638	X							X	X	X	X				
10	SS-13-2.0		0738	X							X	X	X	X				
11	SS-13-2.0D		0740	X							X	X	X	X				
12	SS-14-0.5		0649	X							X	X	X	X				
13	SS-14-0.5D		0651	X							X	X	X	X				
14	SS-14-2.0		0821	X							X	X	X	X				

Total number of Containers per analysis:

LABORATORY INFORMATION: AM 505785

REMARKS

Total No. of Containers: 14

Relinquished by:	Date	Time	Received by:	Date	Time
Brian Waggle	5/16/95	1145			
HHA (Company)			(Company)		
Relinquished by:	Date	Time	Received by: Melanie Marquez	Date 5/16/95	Time 1145
(Company)			AM (Laboratory)		

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

- ☐ No. of containers correct
- ☑ received good condition/cold
- ☑ custody seals secure
- ☑ conforms to COC document

Shipment Method: Hand Delivery

Send Results to: BR Waggle

- ☐ 610 NORTH HOLLYWOOD WAY, SUITE 201, BURBANK, CA 91505 (818) 563-4569
- ☐ 2223 AVENIDA DE LA PLAYA, SUITE 300, LA JOLLA, CA 92037 (619) 454-0165
- ☒ 1400 EAST SOUTHERN AVENUE, SUITE 600, TEMPE, AZ 85282 (602) 345-0888
- ☐ 1820 EAST RIVER ROAD, SUITE 100, TUCSON, AZ 85718 (602) 881-7300

Send invoice to La Jolla, CA Business Office Attn: Kim Sturek

HARGIS + ASSOCIATES, INC.

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 05/16/95 PAGE 2 OF 2

PROJECT NAME	CHEMRESEARCH
PROJECT No./TASK No.	525.03
PROJECT MANAGER	T.M. Turner
Phone No.	(602) 345-0888
QA MANAGER	T.M. Turner
FAX No.	(602) 730-0508
SAMPLER (SIGNATURE)	Brian R Waggle
SAMPLER (PRINTED)	BRIAN R WAGGLE

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX Soil	MATRIX Ground-water	MATRIX Surface water	MATRIX WATER	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION NaOH	PRESERVATION H2SO4	PRESERVATION Ice	SAMPLE CONTAINERS 8oz. GLASS JAR	SAMPLE CONTAINERS 500ml Poly	ANALYSES REQUESTED Total Cr (EPA 6010)	ANALYSES REQUESTED TCLP Cr (EPA 1311/6010)	ANALYSES REQUESTED Pb, Cd (EPA 6010)	ANALYSES REQUESTED VOCs (8010)	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA S Chromium (EPA 200.7)
15	SS-15-0.5	05-16-95	0641	X								X	X		X	X			
16	SS-15-2.0		0720	X								X	X		X	X		X	
17	SS-16-05		0655	X								X	X		X	X	X		
18	SS-16-2.0		0830	X								X	X		X	X			
19	RB-03		0845				X	X				X		X					X

SPECIAL HANDLING

LABORATORY INFORMATION: ATI 505785

REMARKS

Total number of Containers per analysis:

Total No. of Containers: 19

Relinquished by: Brian Waggle	Date 5/16/95	Received by:	Date
Company: HHA	Time 1145	Company	Time
Relinquished by:	Date	Received by: Melanie Wraigmyo	Date 5/16/95
Company	Time	Laboratory: ATI	Time 1145

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

- ☑ No. of containers correct
- ☑ custody seals secure
- ☐ received good condition/cold
- ☐ conforms to COC document

Shipment Method: Hand Delivery

Send Results to: B.R. Waggle

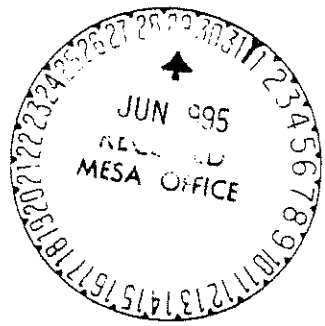
- ☐ 610 NORTH HOLLYWOOD WAY, SUITE 201 BURBANK, CA 91505 (818) 563-4569
- ☐ 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165
- ☒ 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888
- ☐ 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (602) 881-7300

Send invoice to La Jolla, CA Business Office Attn: Kim Sturek

Analytical **Technologies,** Inc. 9830 S. 51st Street Suite B-113 Phoenix, AZ 85044 (602) 496-4400

ATI I.D. **506626**

June 28, 1995



Hargis & Associates
1400 E. Southern Avenue
Suite 600
Tempe, AZ 85282

Project Name/Number: ChemResearch/525.03

Attention: Brian Waggle

On **06/07/95**, Analytical Technologies, Inc., received a request to analyze **soil** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

C indicates that the two compounds coelute. Any peaks seen at that retention time will be reported for both compounds.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Claudia S. Blanton
Project Manager

CSB/paw

Enclosure

ADHS License No. AZ0061
Elizabeth Proffitt, Laboratory Manager

Analytical Technologies, Inc.

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.03
PROJECT NAME : ChemResearch
ATI I.D. : 506626

DATE RECEIVED : 06/07/95
REPORT DATE : 06/26/95

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	RBSS-58	SOIL	06/07/95
02	RBSS-60	SOIL	06/07/95
03	RBSS-61	SOIL	06/07/95
04	RBSS-62	SOIL	06/07/95
05	RBSS-63	SOIL	06/07/95

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	5

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 50662601

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/07/95
PROJECT #	: 525.03	DATE RECEIVED	: 06/07/95
PROJECT NAME	: ChemResearch	DATE EXTRACTED	: 06/09/95
CLIENT I.D.	: RBSS-58	DATE ANALYZED	: 06/18/95
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.1
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.025
TETRACHLOROETHENE	0.03
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025
METHYL ETHYL KETONE	<1.25

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	107
BROMOFLUOROBENZENE (%)	98
TIME EXT	15:30

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 50662602

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/07/95
PROJECT #	: 525.03	DATE RECEIVED	: 06/07/95
PROJECT NAME	: ChemResearch	DATE EXTRACTED	: 06/09/95
CLIENT I.D.	: RBSS-60	DATE ANALYZED	: 06/18/95
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.1
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.025
TETRACHLOROETHENE	0.57
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025
METHYL ETHYL KETONE	<1.25

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	106
BROMOFLUOROBENZENE (%)	99
TIME EXT	15:32

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 50662603

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/07/95
PROJECT #	: 525.03	DATE RECEIVED	: 06/07/95
PROJECT NAME	: ChemResearch	DATE EXTRACTED	: 06/09/95
CLIENT I.D.	: RBSS-61	DATE ANALYZED	: 06/18/95
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.1
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.025
TETRACHLOROETHENE	1.6
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.025
TOTAL XYLENES	0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025
METHYL ETHYL KETONE	<1.25

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	105
BROMOFLUOROBENZENE (%)	105
TIME EXT	15:35

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 50662604

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/07/95
PROJECT #	: 525.03	DATE RECEIVED	: 06/07/95
PROJECT NAME	: ChemResearch	DATE EXTRACTED	: 06/09/95
CLIENT I.D.	: RBSS-62	DATE ANALYZED	: 06/18/95
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.1
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.025
TETRACHLOROETHENE	0.78
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.025
TOTAL XYLENES	0.07
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025
METHYL ETHYL KETONE	<1.25

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	105
BROMOFLUOROBENZENE (%)	116
TIME EXT	15:37

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 50662605

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/07/95
PROJECT #	: 525.03	DATE RECEIVED	: 06/07/95
PROJECT NAME	: ChemResearch	DATE EXTRACTED	: 06/09/95
CLIENT I.D.	: RBSS-63	DATE ANALYZED	: 06/18/95
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.1
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	0.05 C
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.025
TETRACHLOROETHENE	0.08
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
TRICHLOROTRIFLUOROETHANE	0.05 C
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025
METHYL ETHYL KETONE	<1.25

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	97
BROMOFLUOROBENZENE (%)	102
TIME EXT	15:40

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	ATI I.D.	: 506626
PROJECT #	: 525.03	DATE EXTRACTED	: 06/10/95
PROJECT NAME	: ChemResearch	DATE ANALYZED	: 06/10/95
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.1
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.025
TETRACHLOROETHENE	<0.025
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025
METHYL ETHYL KETONE	<1.25

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	103
BROMOFLUOROBENZENE (%)	104

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 506626

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.03
PROJECT NAME : ChemResearch
REF I.D. : 50649933

DATE ANALYZED : 06/13/95
SAMPLE MATRIX : NON-AQUEOUS
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.025	1.0	0.67	67	0.60	60	11
TRICHLOROETHENE	<0.025	1.0	0.90	90	0.89	89	1
TETRACHLOROETHENE	<0.025	1.0	0.94	94	0.90	90	4
BENZENE	<0.025	1.0	0.87	87	0.93	93	7
BROMODICHLOROMETHANE	<0.025	1.0	0.87	87	0.86	86	1
CHLOROFORM	<0.025	1.0	0.87	87	0.91	91	4
1,1,1-TRICHLOROETHANE	<0.025	1.0	0.83	83	0.86	86	4
TOLUENE	<0.025	1.0	0.86	86	0.94	94	9
CHLOROBENZENE	<0.025	1.0	0.85	85	0.80	80	6
O-XYLENE	<0.025	1.0	0.95	95	1.0	100	5

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD

DATE 6-1-95 PAGE 1 OF 1

PROJECT NAME	PROJECT No./TASK No.
Chem Research	525.03
PROJECT MANAGER Terry M. Turner	Phone No. (602) 345-0888
QA MANAGER Brian R. Waggle	FAX No. (602) 730-0508
SAMPLER (SIGNATURE) Paul M. Salcido	SAMPLER (PRINTED) Paul M. Salcido

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	SAMPLE COLLECTION Time	MATRIX Soil	MATRIX Ground-water	MATRIX Surface water	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION NaOH	PRESERVATION H2SO4	PRESERVATION Ice	SAMPLE CONTAINERS 2.5" x 6" Brass tube	ANALYSES REQUESTED VOCs (EPA Method 8010/8020 w/ MEK	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA S	SPECIAL HANDLING
1	RBSS-58	6-7-95	0900	X							X	X	X		
2	RBSS-60	↓	0959	X							X	X	X		
3	RBSS-61		1031	X							X	X	X		
4	RBSS-62		1143	X							X	X	X		
5	RBSS-63	↓	1223	X							X	X	X		
Total number of Containers per analysis:												5			

LABORATORY INFORMATION: ATI PHX

#5061026

REMARKS

Total No. of Containers: 5

Relinquished by:	Date	Time	Company	Received by:	Date	Time	Company
Brian R Waggle	6/7/95	1700	HHA				
Relinquished by:	Date	Time	Company	Received by:	Date	Time	Laboratory
				Melanie Mcinerney	6/7/95	1400	ATI

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:

- ☑ No. of containers correct
- ☑ received good condition/cold
- ☐ custody seals secure
- ☑ conforms to COC document

Shipment Method: hand delivery

Send Results to: B.R. Waggle

- ☐ 610 NORTH HOLLYWOOD WAY, SUITE 201 BURBANK, CA 91505 (818) 563-4569
- ☐ 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165
- ☒ 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888
- ☐ 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (602) 881-7300

Send invoice to La Jolla, CA Business Office Attn Kim Sturek

ORIGINAL: LABORATORY YELLOW: QA MANAGER PINK: FIELD/TASK MANAGER

PROJ # 525
FILE CAT: K06
CC TO:

American Environmental Network (Arizona), Inc.

JUL 1996
RECEIVED
MESA OFFICE

AEN I.D. 606729

July 01, 1996

Hargis & Associates
1400 E. Southern Avenue
Suite 600
Tempe, AZ 85282

Project Name/Number: CRC/525.12

Attention: Brian Waggle

On 06/17/96, American Environmental Network (Arizona), Inc., received a request to analyze soil sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

AEN (Arizona) is in the process of converting all references from Analytical Technologies Inc. (ATI) to American Environmental Network (Arizona), Inc. Any designation found in this document or data reports should be considered equivalent.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Ken Baker
Project Manager

KB/jk

Enclosure

ADHS License No. AZ0061
Sherman McCutcheon, General Manager

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.12
PROJECT NAME : CRC

DATE RECEIVED : 06/17/96
REPORT DATE : 07/01/96

ATI I.D. : 606729

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	SS-19(0-5)	SOIL	06/17/96
02	SS-19(5.0)	SOIL	06/17/96
03	SS-19(9.5)	SOIL	06/17/96
04	SS-19(5-10)	SOIL	06/17/96
05	SS-20(5.5)	SOIL	06/17/96
06	SS-20(0-5)	SOIL	06/17/96
07	SS-20(0-5)a	SOIL	06/17/96
08	SS-20(6.5)	SOIL	06/17/96
09	SS-20(5-6.5)	SOIL	06/17/96
10	SS-21(5.0)	SOIL	06/17/96
11	SS-21(0-5)	SOIL	06/17/96
12	SS-21(9.5)	SOIL	06/17/96
13	SS-22(5.0)	SOIL	06/17/96
14	SS-22(0-5)	SOIL	06/17/96
15	SS-21(5-9.5)	SOIL	06/17/96
16	SS-22(9.5)	SOIL	06/17/96
17	SS-22(5-10)	SOIL	06/17/96
18	SS-17(0-5)	SOIL	06/17/96
19	SS-17(5.0)	SOIL	06/17/96
20	SS-17(9.5)	SOIL	06/17/96
21	SS-17(5-9.5)	SOIL	06/17/96
22	SS-18(5.0)	SOIL	06/17/96
23	SS-18(0-5)	SOIL	06/17/96
24	SS-18(9.5)	SOIL	06/17/96
25	SS-18(5-9.5)	SOIL	06/17/96
26	MB-2	SOIL	06/17/96

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	26

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

American Environmental Network (Arizona), Inc.

METALS RESULTS

ATI I.D. : 606729

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.12
PROJECT NAME : CRC

DATE RECEIVED : 06/17/96
REPORT DATE : 07/01/96

PARAMETER	UNITS	01 (A)	04 (B)	06 (20)	07 (20)	09 (20)
CHROMIUM (EPA 6010)	MG/KG	40.2	36.6	293	300	302
CHROMIUM (TCLP 1311/6010)	MG/L	1.45	1.06	<0.10	<0.10	<0.10

American Environmental Network (Arizona), Inc.

METALS RESULTS

ATI I.D. : 606729

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.12
PROJECT NAME : CRC

DATE RECEIVED : 06/17/96
REPORT DATE : 07/01/96

PARAMETER	UNITS	11 (2)	14 (2)	15 (2)	17 (2)	18 (2)
CHROMIUM (EPA 6010)	MG/KG	15.3	14.4	14.4	9.4	663
CHROMIUM (TCLP 1311/6010)	MG/L	<0.10	<0.10	<0.10	<0.10	7.81

American Environmental Network (Arizona), Inc.

METALS RESULTS

ATI I.D. : 606729

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.12
PROJECT NAME : CRC

DATE RECEIVED : 06/17/96
REPORT DATE : 07/01/96

PARAMETER	UNITS	21 (A)	23 (B)	25 (C)
CHROMIUM (EPA 6010)	MG/KG	33.4	183	8.5
CHROMIUM (TCLP 1311/6010)	MG/L	0.65	1.49	<0.10

American Environmental Network (Arizona), Inc.

METALS - QUALITY CONTROL

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.12
PROJECT NAME : CRC

ATI I.D. : 606729

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
CHROMIUM	MG/KG	60672901	40.2	40.1	0.2	90.2	50.0	100
CHROMIUM	MG/KG	60672918	663	1030	43*	882	250	87
CHROMIUM	MG/KG	60649927	9.9	10.6	7	47.9	50.0	76*
CHROMIUM	MG/L	60672909	<0.10	<0.10	NA	4.07	5.00	81
CHROMIUM	MG/L	60665801	<0.10	<0.10	NA	4.1	5.0	82

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

* Result out of limits due to sample matrix interference

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672902

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/17/96
CLIENT I.D.	: SS-19(5.0)	DATE ANALYZED	: 06/21/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	0.21
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	99
BROMOFLUOROBENZENE (HALL) (%)	98

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672903

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/17/96
CLIENT I.D.	: SS-19(9.5)	DATE ANALYZED	: 06/25/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	0.09
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	99
BROMOFLUOROBENZENE (HALL) (%)	93

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672905

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/17/96
CLIENT I.D.	: SS-20(5.5)	DATE ANALYZED	: 06/21/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 4000

COMPOUNDS	RESULTS
BENZENE	<100.0
BROMODICHLOROMETHANE	<100.0
BROMOFORM	<100.0
BROMOMETHANE	<400
CARBON TETRACHLORIDE	<100.0
CHLOROBENZENE	<100.0
CHLOROETHANE	<100.0
CHLOROFORM	<100.0
CHLOROMETHANE	<100.0
DIBROMOCHLOROMETHANE	<100.0
2-CHLOROETHYL VINYL ETHER	<1000
1,3-DICHLOROBENZENE	<100.0
1,4-DICHLOROBENZENE	<100.0
1,2-DICHLOROBENZENE	<100.0
DICHLORODIFLUOROMETHANE	<100.0
1,1-DICHLOROETHANE	<100.0
1,2-DICHLOROETHANE	<100.0
1,1-DICHLOROETHENE	<100.0
CIS-1,2-DICHLOROETHENE	<100.0
1,2-DICHLOROPROPANE	<100.0
CIS-1,3-DICHLOROPROPENE	<100.0
TRANS-1,3-DICHLOROPROPENE	<100.0
ETHYLBENZENE	<100.0
METHYLENE CHLORIDE	<400
1,1,2,2-TETRACHLOROETHANE	<200
TETRACHLOROETHENE	3500
TOLUENE	<100.0
1,1,1-TRICHLOROETHANE	<100.0
1,1,2-TRICHLOROETHANE	<100.0
TRICHLOROETHENE	<100.0
VINYL CHLORIDE	<100.0
TOTAL XYLENES	<100.0
TRICHLOROFLUOROMETHANE	<100.0
TRANS-1,2-DICHLOROETHENE	<100.0

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	100
BROMOFLUOROBENZENE (HALL) (%)	95

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672908

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/17/96
CLIENT I.D.	: SS-20(6.5)	DATE ANALYZED	: 06/21/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 100

COMPOUNDS	RESULTS
BENZENE	<2.50
BROMODICHLOROMETHANE	<2.50
BROMOFORM	<2.50
BROMOMETHANE	<10.0
CARBON TETRACHLORIDE	<2.50
CHLOROBENZENE	<2.50
CHLOROETHANE	<2.50
CHLOROFORM	<2.50
CHLOROMETHANE	<2.50
DIBROMOCHLOROMETHANE	<2.50
2-CHLOROETHYL VINYL ETHER	<25.0
1,3-DICHLOROBENZENE	<2.50
1,4-DICHLOROBENZENE	<2.50
1,2-DICHLOROBENZENE	<2.50
DICHLORODIFLUOROMETHANE	<2.50
1,1-DICHLOROETHANE	<2.50
1,2-DICHLOROETHANE	<2.50
1,1-DICHLOROETHENE	<2.50
CIS-1,2-DICHLOROETHENE	<2.50
1,2-DICHLOROPROPANE	<2.50
CIS-1,3-DICHLOROPROPENE	<2.50
TRANS-1,3-DICHLOROPROPENE	<2.50
ETHYLBENZENE	<2.50
METHYLENE CHLORIDE	<10.0
1,1,2,2-TETRACHLOROETHANE	<5.0
TETRACHLOROETHENE	180
TOLUENE	<2.50
1,1,1-TRICHLOROETHANE	<2.50
1,1,2-TRICHLOROETHANE	<2.50
TRICHLOROETHENE	<2.50
VINYL CHLORIDE	<2.50
TOTAL XYLENES	<2.50
TRICHLOROFLUOROMETHANE	<2.50
TRANS-1,2-DICHLOROETHENE	<2.50

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	101
BROMOFLUOROBENZENE (HALL) (%)	91

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672910

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/17/96
CLIENT I.D.	: SS-21(5.0)	DATE ANALYZED	: 06/21/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	0.17
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	102
BROMOFLUOROBENZENE (HALL) (%)	92

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672912

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/17/96
CLIENT I.D.	: SS-21(9.5)	DATE ANALYZED	: 06/21/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	0.21
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	100
BROMOFLUOROBENZENE (HALL) (%)	99

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672913

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/17/96
CLIENT I.D.	: SS-22(5.0)	DATE ANALYZED	: 06/21/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	0.42
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	101
BROMOFLUOROBENZENE (HALL) (%)	99

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672916

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/18/96
CLIENT I.D.	: SS-22(9.5)	DATE ANALYZED	: 06/22/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	0.13
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	101
BROMOFLUOROBENZENE (HALL) (%)	99

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672919

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/18/96
CLIENT I.D.	: SS-17(5.0)	DATE ANALYZED	: 06/22/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	0.20
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	101
BROMOFLUOROBENZENE (HALL) (%)	99

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672920

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/18/96
CLIENT I.D.	: SS-17(9.5)	DATE ANALYZED	: 06/22/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	0.15
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	100
BROMOFLUOROBENZENE (HALL) (%)	105

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672922

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/18/96
CLIENT I.D.	: SS-18(5.0)	DATE ANALYZED	: 06/22/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	0.14
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	99
BROMOFLUOROBENZENE (HALL) (%)	99

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672924

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/18/96
CLIENT I.D.	: SS-18(9.5)	DATE ANALYZED	: 06/22/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	0.22
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	100
BROMOFLUOROBENZENE (HALL) (%)	100

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 60672926

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: HARGIS & ASSOCIATES	DATE SAMPLED	: 06/17/96
PROJECT #	: 525.12	DATE RECEIVED	: 06/17/96
PROJECT NAME	: CRC	DATE EXTRACTED	: 06/18/96
CLIENT I.D.	: MB-2	DATE ANALYZED	: 06/22/96
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	<0.025
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	98
BROMOFLUOROBENZENE (HALL) (%)	100

American Environmental Network (Arizona), Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

		ATI I.D.	: 606729
CLIENT	: HARGIS & ASSOCIATES	DATE EXTRACTED	: 06/22/96
PROJECT #	: 525.12	DATE ANALYZED	: 06/22/96
PROJECT NAME	: CRC	UNITS	: MG/KG
CLIENT I.D.	: REAGENT BLANK	DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.025
BROMOFORM	<0.025
BROMOMETHANE	<0.10
CARBON TETRACHLORIDE	<0.025
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.025
CHLOROMETHANE	<0.025
DIBROMOCHLOROMETHANE	<0.025
2-CHLOROETHYL VINYL ETHER	<0.25
1,3-DICHLOROBENZENE	<0.025
1,4-DICHLOROBENZENE	<0.025
1,2-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.025
1,1-DICHLOROETHANE	<0.025
1,2-DICHLOROETHANE	<0.025
1,1-DICHLOROETHENE	<0.025
CIS-1,2-DICHLOROETHENE	<0.025
1,2-DICHLOROPROPANE	<0.025
CIS-1,3-DICHLOROPROPENE	<0.025
TRANS-1,3-DICHLOROPROPENE	<0.025
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.05
TETRACHLOROETHENE	<0.025
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.025
1,1,2-TRICHLOROETHANE	<0.025
TRICHLOROETHENE	<0.025
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.025
TRANS-1,2-DICHLOROETHENE	<0.025

SURROGATE PERCENT RECOVERIES

1-CHLORO-2-FLUOROBENZENE (PID) (%)	98
BROMOFLUOROBENZENE (HALL) (%)	100

QUALITY CONTROL DATA

ATI I.D. : 606729

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : HARGIS & ASSOCIATES
PROJECT # : 525.12
PROJECT NAME : CRC
REF I.D. : 60649929

DATE ANALYZED : 06/24/96
SAMPLE MATRIX : NON-AQUEOUS
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.025	1.0	0.99	99	0.96	96	3
TRICHLOROETHENE	<0.025	1.0	1.0	100	0.98	98	2
TETRACHLOROETHENE	<0.025	1.0	1.1	110	1.0	100	10
BENZENE	<0.025	1.0	0.97	97	0.96	96	1
BROMODICHLOROMETHANE	<0.025	1.0	0.84	84	0.82	82	2
CHLOROFORM	<0.025	1.0	1.0	100	1.0	100	0
1,1,1-TRICHLOROETHANE	<0.025	1.0	1.0	100	0.97	97	3
TOLUENE	<0.025	1.0	0.97	97	0.96	96	1
CHLOROBENZENE	<0.025	1.0	0.98	98	1.0	100	2
O-XYLENE	<0.025	1.0	0.98	98	0.96	96	2

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

DATES OF ANALYSIS

ACCESSION #: 606729

SAMPLE ID	TEST AND METHOD NUMBER	DATE OF ANALYSIS	ANALYST
60672901	CHROMIUM (EPA 6010)	6/27/96	AF
60672904	CHROMIUM (EPA 6010)	6/20/96	AF
60672906	CHROMIUM (EPA 6010)	6/20/96	AF
60672907	CHROMIUM (EPA 6010)	6/20/96	AF
60672909	CHROMIUM (EPA 6010)	6/20/96	AF
60672911	CHROMIUM (EPA 6010)	6/27/96	AF
60672914	CHROMIUM (EPA 6010)	6/27/96	AF
60672915	CHROMIUM (EPA 6010)	6/20/96	AF
60672917	CHROMIUM (EPA 6010)	6/20/96	AF
60672918	CHROMIUM (EPA 6010)	6/20/96	AF
60672921	CHROMIUM (EPA 6010)	6/20/96	AF
60672923	CHROMIUM (EPA 6010)	6/20/96	AF
60672925	CHROMIUM (EPA 6010)	6/20/96	AF
60672901	CHROMIUM (TCLP 1311/6010)	6/26/96	AF
60672904	CHROMIUM (TCLP 1311/6010)	6/26/96	AF
60672906	CHROMIUM (TCLP 1311/6010)	6/26/96	AF
60672907	CHROMIUM (TCLP 1311/6010)	6/26/96	AF
60672909	CHROMIUM (TCLP 1311/6010)	6/26/96	AF
60672911	CHROMIUM (TCLP 1311/6010)	6/26/96	AF
60672914	CHROMIUM (TCLP 1311/6010)	6/26/96	AF
60672915	CHROMIUM (TCLP 1311/6010)	6/26/96	AF
60672917	CHROMIUM (TCLP 1311/6010)	6/26/96	AF
60672918	CHROMIUM (TCLP 1311/6010)	6/27/96	AF
60672921	CHROMIUM (TCLP 1311/6010)	6/27/96	AF
60672923	CHROMIUM (TCLP 1311/6010)	6/27/96	AF
60672925	CHROMIUM (TCLP 1311/6010)	6/27/96	AF

REFERENCES: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW 846, 3rd Ed.)

HARGIS + ASSOCIATES, INC. C[illegible]N-[illegible] CU[illegible]ODY [illegible]ECO[illegible] A[illegible] AN[illegible]YSI[illegible] [illegible]EQ[illegible]ST [illegible]RM

DATE 6/17/96 PAGE 1 OF 2

PROJECT NAME CRC

PROJECT No./TASK No. 525.12

PROJECT MANAGER B.R. Waggle Phone No. 602-345-0888

QA MANAGER B.R. Waggle FAX No. 607-730-0508

SAMPLER (SIGNATURE) GLWaggle

SAMPLER (PRINTED) Greg L. Waggle

LABORATORY INFORMATION: AEN Phoenix

606729

LAB ID	SAMPLE ID	Sample Collection Date	Sample Collection Time	Matrix: Soil	Matrix: Ground-water	Matrix: Surface water	Matrix:	Preservation: HCl	Preservation: HNO3	Preservation: NaOH	Preservation: H2SO4	Preservation: Ice	Preservation: Methanol	Sample Containers: 4oz glass jar	Sample Containers: 60ml glass jar	Analyses Requested: Total & TCLP Chromium (EPA method 6010 & 1311/6010)	Analyses Requested: VOC (EPA method 8010/8020)	Estimated Concentration Range (ppb) for VOAs	Special Handling	Remarks
1	SS-19(0-5)	6/17/96	0745	X								X		1		X				
2	SS-19(5.0)	"	0750	X								X	X		1		X			
3	SS-19(9.5)	"	0810	X								X	X		1		X			
4	SS-19(5-10)	"	0820	X								X		1		X				
5	SS-20(5.5)	"	0900	X								X	X		1		X			
6	SS-20(0-5)	"	0900	X								X		1		X				
7	SS-20(0-5)a	"	0901	X								X		1		X				
8	SS-20(6.5)	"	0915	X								X	X		1		X			
9	SS-20(5-6.5)	"	0920	X								X		1		X				
10	SS-21(5.0)	"	1000	X								X	X		1		X			
11	SS-21(0-5)	"	1001	X								X		1		X				
12	SS-21(9.5)	"	1015	X								X	X		1		X			
13	SS-22(5.0)	"	1110	X								X	X		1		X			
14	SS-22(0-5)	"	1111	X								X		1		X				
Total number of Containers per analysis:														7	7					

Total No. of Containers: page 2

Relinquished by:	Date	Received by:	Date
GLWaggle	6/17/96	~~Heather Caschger~~ AEN-Phx ~~Heather Caschger~~	6/17/96
Company: H+A Inc.	Time 1647	Company	Time 1647
Relinquished by:	Date	Received by:	Date
	Time		Time
Company		Laboratory	

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
- [x] No. of containers correct
- [x] custody seals secure
- [x] received good condition/cold
- [x] conforms to COC document

Shipment Method: Hand delivery

Send Results to: B.R. Waggle

- [ ] 225 SOUTH LAKE AVENUE, SUITE 403 PASADENA, CA 91101 (818) 583-8121
- [ ] 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165
- [x] 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888
- [ ] 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (520) 881-7300

[redacted]

HARGIS + ASSOCIATES, INC. CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

DATE 6/17/96 PAGE 2 OF 2

PROJECT NAME	CRC
PROJECT No./TASK No.	#525.12
PROJECT MANAGER	Brian R. Waggle
Phone No.	602-345-0888
QA MANAGER	Brian R. Waggle
FAX No.	602-730-0508
SAMPLER (SIGNATURE)	G L Waggle
SAMPLER (PRINTED)	Greg L. Waggle

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX Soil	Ground-water	Surface water	PRESERVATION HCl	HNO3	NaOH	H2SO4	Ice	Method 5	SAMPLE CONTAINERS ~9 oz glass	~60 ml glass	ANALYSES REQUESTED Total + TCLP (Aromatics CEPA 6010 & 7111/6010)	VOC CEPA Method 8010/8020	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S	SPECIAL HANDLING	LABORATORY INFORMATION
																			AEN Phoenix
																			606729
																			REMARKS
15	SS-21(5-9.5)	6-18-96	1020	X							X		1		X				
16	SS-22(9.5)	"	1150	X							X	X		1		X			
17	SS-22(5-10)	"	1200	X							X		1		X				
18	SS-17(0-5)	"	1241	X							X		1		X				
19	SS-17(5.0)	"	1240	X							X	X		1		X			
20	SS-17(9.5)	"	1310	X							X	X		1		X			
21	SS-17(5-9.5)	"	1311	X							X		1		X				
22	SS-18(5.0)	"	1355	X							X	X		1		X			
23	SS-18(0-5)	"	1356	X							X		1		X				
24	SS-18(9.5)	"	1415	X							X	X		1		X			
25	SS-18(5-9.5)	"	1420	X							X		1		X	X WW			
26	MB-2	"	1400	X										1		X			
Total number of Containers per analysis:													6	6				Total No. of Containers	26

Relinquished by	Date	Received by	Date
G L Waggle	6/17/96	Heather Anderson	6/17/96
H+A Inc. (Company)	Time 1647	AZN-Phx (Company)	Time 1647
Relinquished by	Date	Received by	Date
(Company)	Time	(Laboratory)	Time

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with / or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt:
- [X] No. of containers correct
- [X] custody seals secure
- [ ] received good condition/cold
- [X] conforms to COC document

Shipment Method: Hand delivery

Send Results to: B. R. Waggle

- [ ] 225 SOUTH LAKE AVENUE, SUITE 403 PASADENA, CA 91101 (818) 583-8121
- [ ] 2223 AVENIDA DE LA PLAYA, SUITE 300 LA JOLLA, CA 92037 (619) 454-0165
- [X] 1400 EAST SOUTHERN AVENUE, SUITE 600 TEMPE, AZ 85282 (602) 345-0888
- [ ] 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (520) 881-7300