Golder Associates Inc.

1809 North Mill Street, Suite C
Naperville, IL USA 60563
Telephone (708) 357-2066
Fax (708) 357-2330

YEOMAN CREEK AND EDWARDS' FIELD LANDFILLS RI/FS MONTHLY PROGRESS REPORT FOR SEPTEMBER 1992

Submitted to:

U. S. Environmental Protection Agency

and

Illinois Environmental Protection Agency

Distribution:

1 Copy	Richard Boice, United States Environmental Protection Agency
1 Copy	Stephen Nussbaum, Illinois Environmental Protection Agency
1 Copy	Om Patel, Roy F. Weston, Inc.
1 Copy	Shell J. Bleiweiss, Esq., McDermott, Will & Emery
1 Copy	Jerome C. Randolph, Esq., Keating, Muething & Klekamp
1 Copy	Derrick Vallance, Browning Ferris Industries
1 Copy	Glen Lenzi, Outboard Marine Corporation
1 Copy	Pierre Talbert, Esq., Foley & Lardner
1 Copy	Richard Parson, P.E., City of Waukegan
1 Copy	Golder Associates Inc.

October 1992

913-8083.235/913-8084.235

TO: Richard Boice, U.S.EPA
Stephen Nussbaum, IEPA

FROM: Ronald J. Patterson

RE: YEOMAN CREEK AND EDWARDS' FIELD LANDFILLS RI/FS
DRAFT MONTHLY PROGRESS REPORT FOR SEPTEMBER 1992

This fifteenth progress report is being submitted by Golder Associates on behalf of the PRP Committee for the Yeoman Creek and Edwards' Field Landfills. This monthly report summarizes the progress from September 1, 1992 to September 30, 1992.

RI ACTIVITIES

Field Activities

Analytical results for surface soils collected at the Site were received from the laboratory on July 27, 1992. The validated results are summarized in Tables 1, 2, 3 and 4.

Analytical results for groundwater and leachate samples were received from the laboratory between September 4 and 18, 1992. These results are currently being validated.

The second round of surface water sampling in Yeoman Creek and a pond east of the Site was completed on September 1, 1992. Samples were obtained from nine locations in Yeoman Creek and one location in the pond. The sample collection procedures and a figure showing sampling locations were included in the August 1992 Monthly Progress Report. Analytical results were received from the laboratory on September 30, 1992 for the surface water samples. The validated results are summarized in Tables 5, 6, 7 and 8.

On September 2 and 3, 1992, Golder Associates collected a round of water level measurements at the Site. The measurement points included the monitoring wells, leachate wells and Yeoman Creek.

Between September 2 and 4, 1992, Golder Associates conducted the second round of landfill gas probe screening. The field procedures used during the screening were the same as those described for the first round of screening in the April 1992 Monthly Progress Report. The results of the September 1992 screening round are included in Table 9.

On September 9, 1992, Golder Associates conducted slug tests in monitoring wells MW-405 and MW-406 at the Yeoman Creek Landfill. The method used to perform the slug tests was described in the March 1992 Monthly Progress Report.

The monthly site inspection for September was performed on September 18, 1992 and included observation of the condition of the perimeter fence at the Yeoman Creek Landfill, the integrity of the landfill covers, and the condition of the drums in the secure storage areas. Drums from the RI in the secure storage areas are currently staged on oak pallets. The condition of the landfill covers appeared to be unchanged and satisfactory.

A supplemental investigation to locate water supply wells reported as "Location/Status Could Not Be Verified" in the "Technical Memorandum for Water Supply Well Survey" (June 1992) was initiated on September 21, 1992. This investigation also included evaluation of another possible well reported by U.S.EPA at 1909 North Lewis Avenue. The location and status of all but two of the wells (numbers 58959 and 97145) were verified by the end of September 1992.

On September 28, 1992, Golder Associates began additional landfill gas investigations as approved in a August 27, 1992 U.S.EPA letter to Golder Associates. Field activities conducted during September included screening of basements and sumps in selected buildings near the landfills using an MSA 361 combustible gas indicator (CGI), OVM 580B organic vapor meter (OVM), and Century OVA 108 organic vapor analyzer (OVA). Results of the screening conducted in September are included in Tables 10 and 11.

The results of physical analyses of subsurface soils collected from borings at the Site were received in September and are summarized in Table 12.

Fencemasters continued construction of the perimeter security fence at the Edwards' Field Landfill and at the Gertler property at the Yeoman Creek Landfill through the month of September. Golder Associates periodically observed fence construction to document work progress and fence alignment.

Deliverables and Correspondence

On September 1, 1992, Golder Associates received a U.S. EPA letter dated August 27, 1992 regarding the agencies' review of Golder Associates proposed schedule and procedures for conducting the additional landfill gas monitoring. U.S. EPA also stated in the letter that no revision to the Revised Ecological Assessment Report was required.

On September 2, 1992, U.S.EPA sent Golder Associates a facsimile copy of the press release issued by U.S.EPA concerning the additional landfill gas investigations to be conducted at the Site.

On September 8, 1992, at U.S.EPA request, Golder Associates sent U.S. EPA the laboratory analytical data for inorganic water quality parameters for the first round of surface water sampling.

On September 28, 1992, Golder Associates submitted two RI/FS Work Plan addenda to U.S. EPA/IEPA. One of the addenda described additional landfill gas monitoring and the other a sump assessment.

On September 30, 1992, Golder Associates sent U.S. EPA and Weston facsimile copies of a Health and Safety Plan addendum for entering basement/crawl spaces which may be considered confined spaces.

On September 30, 1992, Golder Associates submitted a letter report to U.S.EPA/IEPA summarizing the results of a preliminary screening for ecotoxicological risks at the Site.

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (OCTOBER)

RI activities expected to begin or continue in October 1992 include:

- Perimeter fence construction at the Edwards' Field Landfill and at the Gertler property at the northwest corner of the Yeoman Creek Landfill;
- Property access, as required;
- Additional landfill gas investigations at selected perimeter properties;
- Seep and associated sediment sampling; and
- Submission of the Migration Pathway Assessment (10/1/92) and Revised Water Well Survey (10/29/92) memoranda.

In addition to these activities, Golder Associates may begin the second round of groundwater sampling in October, 1992.

(account\progress\8083sep.wp1)

TABLE 1
VOLATILE ORGANICS ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDS10101 10-Jun-92 ug/Kg	SDD10101 10-Jun-92 ug/Kg	SDS10201 10-Jun-92 ug/Kg	SDD10201 10-Jun-92 ug/Kg	SDS10301 12-Jun-92 ug/Kg	SDD10301 12-Jun-92 ug/Kg	SDS10401 12-Jun-92 ug/Kg	SDD10401RE 12-Jun-92 ug/Kg	SDS20101 10-Jun-92 ug/Kg	SDD20101 10-Jun-92 ug/Kg
Chloromethane	NE	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Bromomethane	1.12E+05	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Vinyl Chloride	304	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Chloroethane	NE	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Methylene Chloride	9.33E+04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	8.00E+06	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	ND
Carbon disulfide	8.00E+06	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
1,1-Dichloroethene	7.25E+05	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
1,1-Dichloroethane	NE	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
1,2-Dichloroethene, (total)	1.60E+06	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Chloroform	1.15E+05	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
1,2-Dichloroethane	NE	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
2-Butanone	4.00E+06	ND	ND	ND	ND	NDJ	NDJ	NDJ	NDJ	ND	ND
1,1,1-Trichloroethane	7.20E+06	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Carbon tetrachloride	5380	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Vinyl acetate	NE	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Bromodichloromethane	NE	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
1,2-Dichloropropane	NE	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Trichloroethene	6.36E+04	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Dibromochloromethane	1.60E+06	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
1,1,2-Trichloroethane	NE	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Benzene	2.41E+04	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
trans-1,3-Dichloropropene	2.40E+04	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Bromoform	1.60E+06	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
4-Methyl-2-pentanone	4.00E+06	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
2-Hexanone	NE	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Tetrachloroethene	1.37E+04	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
1,1,2,2-Tetrachloroethane	3500	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Toluene	2.40E+07	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Chlorobenzene	1.60E+06	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Ethylbenzene	8.00E+06	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Styrene	1.60E+07	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND
Xylenes (total)	1.60E+08	ND	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND

NOTES:
ND - Indicates the compound was analyzed for but not detected.
B - Indicates the analyte was found in the associated blank as well as in the sample.
NE - Not established.
J - Estimated

TABLE 1
VOLATILE ORGANICS ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDS20201 11-Jun-92 ug/Kg	SDD20201RE 11-Jun-92 ug/Kg	SDS20301 11-Jun-92 ug/Kg	SDD20301 11-Jun-92 ug/Kg	SDS20401 11-Jun-92 ug/Kg	SDD20401 11-Jun-92 ug/Kg	SDS20501 11-Jun-92 ug/Kg	SDD20501 11-Jun-92 ug/Kg	SDS20601 11-Jun-92 ug/Kg	SDD20601 11-Jun-92 ug/Kg
Chloromethane	NE	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Bromomethane	1.12E+05	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Vinyl Chloride	304	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Chloroethane	NE	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Methylene Chloride	9.33E+04	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Acetone	8.00E+06	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Carbon disulfide	8.00E+06	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
1,1-Dichloroethene	7.25E+05	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
1,1-Dichloroethane	NE	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
1,2-Dichloroethene, (total)	1.60E+06	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Chloroform	1.15E+05	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
1,2-Dichloroethane	NE	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
2-Butanone	4.00E+06	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	7.20E+06	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Carbon tetrachloride	5380	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Vinyl acetate	NE	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Bromodichloromethane	NE	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
1,2-Dichloropropane	NE	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Trichloroethene	6.36E+04	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Dibromochloromethane	1.60E+06	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NE	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Benzene	2.41E+04	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2.40E+04	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Bromoform	1.60E+06	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	4.00E+06	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
2-Hexanone	NE	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Tetrachloroethene	1.37E+04	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3500	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Toluene	2.40E+07	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Chlorobenzene	1.60E+06	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Ethylbenzene	8.00E+06	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Styrene	1.60E+07	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND
Xylenes (total)	1.60E+08	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND

NOTES:
ND - Indicates the compound was analyzed for but not detected.
B - Indicates the analyte was found in the associated blank as well as in the sample.
NE - Not established.
J - Estimated

TABLE 1
VOLATILE ORGANICS ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDS20701 11-Jun-92 ug/Kg	SDS20801 12-Jun-92 ug/Kg	SDD20801 12-Jun-92 ug/Kg	SDD20901 12-Jun-92 ug/Kg	SDS30101 10-Jun-92 ug/Kg	SDD30101 10-Jun-92 ug/Kg	SDS30201 10-Jun-92 ug/Kg	SDD30201 10-Jun-92 ug/Kg
Chloromethane	NE	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	1.12E+05	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	304	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NE	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	9.33E+04	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	8.00E+06	ND	NDJ	NDJ	NDJ	ND	ND	ND	ND
Carbon disulfide	8.00E+06	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	7.25E+05	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, (total)	1.60E+06	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	1.15E+05	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	NE	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	4.00E+06	ND	ND	ND	NDJ	ND	ND	ND	ND
1,1,1-Trichloroethane	7.20E+06	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5380	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	NE	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NE	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	6.36E+04	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1.60E+06	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NE	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	2.41E+04	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2.40E+04	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	1.60E+06	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	4.00E+06	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NE	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.37E+04	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3500	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	2.40E+07	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.60E+06	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	8.00E+06	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	1.60E+07	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	1.60E+08	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
ND - Indicates the compound was analyzed for but not detected.
B - Indicates the analyte was found in the associated blank as well as in the sample.
NE - Not established.

TABLE 2
SEMIVOLATILE ORGANIC ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDS10101 10-Jun-92 ug/Kg	SDD10101 10-Jun-92 ug/Kg	SDD10201 10-Jun-92 ug/Kg	SDS10301 12-Jun-92 ug/Kg	SDD10301 12-Jun-92 ug/Kg	SDS10401 12-Jun-92 ug/Kg	SDD10401 12-Jun-92 ug/Kg	SDS20101 10-Jun-92 ug/Kg	SDD20101 10-Jun-92 ug/Kg	SDS20201 11-Jun-92 ug/Kg	SDD20201 11-Jun-92 ug/Kg
Phenol	4.80E+07	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Bis(2-chloroethyl)ether	6.36E+02	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2-Chlorophenol	4.00E+05	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
1,3-Dichlorobenzene	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
1,4-Dichlorobenzene	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Benzyl Alcohol	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
1,2-Dichlorobenzene	7.20E+06	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2-Methylphenol	4.00E+06	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Bis(2-chloroisopropyl)ether	NE	ND	ND	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	NDJ
4-Methylphenol	4.00E+06	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
N-nitroso-di-n-propylamine	1.00E+02	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Hexachloroethane	5.00E+04	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Nitrobenzene	4.00E+04	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Isophorone	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2-Nitrophenol	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2,4-Dimethylphenol	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Benzoic Acid	3.20E+08	ND	ND	ND	ND	ND	94 J	NDJ	ND	R	NDJ	NDJ
Bis(2-chloroethoxy)methane	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2,4-Dichlorophenol	2.40E+05	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
1,2,4-Trichlorobenzene	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Naphthalene	3.20E+00	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
4-Chloroaniline	3.20E+05	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Hexachlorobutadiene	8.97E+03	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
4-Chloro-3-methylphenol	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2-Methylnaphthalene	NE	ND	110 J	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Hexachlorocyclopentadiene	5.60E+05	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2,4,6-Trichlorophenol	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2,4,5-Trichlorophenol	8.00E+06	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2-Chloronaphthalene	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2-Nitroaniline	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Dimethyl Phthalate	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Acenaphthylene	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2,6-Dinitrotoluene	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
3-Nitroaniline	NE	ND	ND	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	NDJ
Acenaphthene	NE	62 J	ND	160 J	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
2,4-Dinitrophenol	1.60E+05	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
4-Nitrophenol	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Dibenzofuran	NE	ND	ND	89 J	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ

TABLE 2
SEMIVOLATILE ORGANIC ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDS10101 10-Jun-92 ug/Kg	SDD10101 10-Jun-92 ug/Kg	SDD10201 10-Jun-92 ug/Kg	SDS10301 12-Jun-92 ug/Kg	SDD10301 12-Jun-92 ug/Kg	SDS10401 12-Jun-92 ug/Kg	SDD10401 12-Jun-92 ug/Kg	SDS20101 10-Jun-92 ug/Kg	SDD20101 10-Jun-92 ug/Kg	SDS20201 11-Jun-92 ug/Kg	SDD20201 11-Jun-92 ug/Kg
2,4-Dinitrotoluene	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Diethylphthalate	6.40E+07	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
4-Chlorophenyl-phenylether	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Fluorene	NE	92 J	ND	270 J	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
4-Nitroaniline	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
4,6-Dinitro-2-Methylphenol	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
N-Nitrosodiphenylamine	1.43E+05	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
4-Bromophenyl-phenylether	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Hexachlorobenzene	6.40E+04	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Pentachlorophenol	2.40E+06	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Phenanthrene	NE	1500	320 J	2700	160 J	ND	290 J	NDJ	180 J	120 J	660	420 J
Anthracene	NE	330 J	140 J	1000	ND	ND	NDJ	NDJ	ND	ND	95 J	NDJ
Di-n-butylphthalate	8.00E+05	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Fluoranthene	NE	3100	1100	3800	390 J	ND	800J	150 J	450	190 J	1600	970J
Pyrene	NE	2100	770	2900	260 J	ND	550 J	NDJ	310 J	140 J	1100	660 J
Butylbenzylphthalate	1.60E+07	43 J	ND	ND	90 J	ND	NDJ	NDJ	ND	ND	80 J	80 J
3,3-Dichlorobenzidine	NE	ND	ND	ND	NDJ	NDJ	NDJ	NDJ	ND	ND	ND	NDJ
Benzo(a)anthracene	NE	1400	600	1900	150 J	ND	310 J	NDJ	180 J	95 J	720	410 J
Chrysene	NE	1700	640	1800	220 J	ND	480 J	NDJ	340 J	100 J	940	590 J
Bis(2-ethylhexyl)phthalate	5.00E+04	61 J	43 J	38 J	160 J	ND	180 J	NDJ	120 J	77 J	160 J	130 J
Di-n-octylphthalate	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Benzo(b)fluoranthene	NE	3300 X	1500 X	3500 X	480 JX	ND	1100 XJ	NDJ	650 X	180 JX	1900 X	1100 XJ
Benzo(k)fluoranthene	NE	3300 XJ	1500 XJ	3500 XJ	480 JX	ND	1100 XJ	NDJ	650 XJ	180 JX	1900 XJ	1100 XJ
Benzo(a)pyrene	NE	1400	670	1600	200 J	ND	400 J	NDJ	220 J	77 J	820	490 J
Indeno(1,2,3-cd)pyrene	NE	1300J	540J	1100J	ND	ND	NDJ	NDJ	ND	ND	710	330 J
Dibenzo(a,h)anthracene	NE	160 J	39 J	87 J	ND	ND	NDJ	NDJ	ND	ND	97 J	NDJ
Benzo(g,h,i)perylene	NE	1000	240 J	410	ND	ND	NDJ	NDJ	ND	ND	270 J	280 J

NOTES:

ND - Indicates that the compound was analyzed for but not detected.

J - Indicates an estimated concentration.

X - Indicates the coelution of indistinguished isomers.

NE - Not established.

R - Indicates the analyte was rejected due to data not meeting validation criteria.

TABLE 2
SEMIVOLATILE ORGANIC ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDS20301 11-Jun-92 ug/Kg	SDD20301 11-Jun-92 ug/Kg	SDS20401 11-Jun-92 ug/Kg	SDD20401 11-Jun-92 ug/Kg	SDS20501 11-Jun-92 ug/Kg	SDD20501 11-Jun-92 ug/Kg	SDS20601 11-Jun-92 ug/Kg	SDD20601 11-Jun-92 ug/Kg	SDS20701 11-Jun-92 ug/Kg	SDS20801 12-Jun-92 ug/Kg	SDD20801 12-Jun-92 ug/Kg
Phenol	4.80E+07	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	6.36E+02	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	4.00E+05	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7.20E+06	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	4.00E+06	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NE	NDJ	NDJ	NDJ	ND	NDJ	ND	ND	ND	ND	NDJ	NDJ
4-Methylphenol	4.00E+06	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
N-nitroso-di-n-propylamine	1.00E+02	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5.00E+04	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	4.00E+04	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	3.20E+08	NDJ	NDJ	NDJ	NDJ	ND	NDJ	NDJ	ND	NDJ	ND	ND
Bis(2-chloroethoxy)methane	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	2.40E+05	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	3.30E+05	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	3.20E+05	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	8.97E+03	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.60E+05	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	8.00E+06	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	NDJ	NDJ
Dimethyl Phthalate	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	NE	NDJ	NDJ	NDJ	ND	NDJ	ND	ND	NDJ	ND	ND	ND
Acenaphthene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	1.60E+05	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
SEMIVOLATILE ORGANIC ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDS20301 11-Jun-92 ug/Kg	SDD20301 11-Jun-92 ug/Kg	SDS20401 11-Jun-92 ug/Kg	SDD20401 11-Jun-92 ug/Kg	SDS20501 11-Jun-92 ug/Kg	SDD20501 11-Jun-92 ug/Kg	SDS20601 11-Jun-92 ug/Kg	SDD20601 11-Jun-92 ug/Kg	SDS20701 11-Jun-92 ug/Kg	SDS20801 12-Jun-92 ug/Kg	SDD20801 12-Jun-92 ug/Kg
2,4-Dinitrotoluene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	6.40E+07	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-Methylphenol	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	1.43E+05	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	6.40E+04	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	2.40E+06	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	NE	200 J	NDJ	NDJ	ND	ND	ND	69 J	ND	62 J	81 J	ND
Anthracene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.00E+05	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	NE	480 J	NDJ	85 J	ND	ND	ND	140 J	ND	130 J	180 J	ND
Pyrene	NE	340 J	NDJ	NDJ	ND	ND	ND	100 J	ND	110 J	120 J	ND
Butylbenzylphthalate	1.60E+07	NDJ	NDJ	NDJ	ND	ND	ND	64 J	ND	46 J	42 J	ND
3,3-Dichlorobenzidine	NE	NDJ	NDJ	NDJ	ND	NDJ	ND	ND	ND	ND	NDJ	NDJ
Benzo(a)anthracene	NE	210 J	NDJ	NDJ	ND	ND	ND	63 J	ND	66 J	63 J	ND
Chrysene	NE	260 J	NDJ	NDJ	ND	ND	ND	77 J	ND	89 J	95 J	ND
Bis(2-ethylhexyl)phthalate	5.00E+04	100 J	NDJ	NDJ	ND	ND	ND	120 J	ND	110 J	61 J	ND
Di-n-octylphthalate	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	NE	580 JX	NDJ	NDJ	ND	ND	ND	150 JX	ND	160 JX	170 JX	ND
Benzo(k)fluoranthene	NE	580 JX	NDJ	NDJ	ND	ND	ND	150 JX	ND	160 JX	170 JX	ND
Benzo(a)pyrene	NE	250 J	NDJ	NDJ	ND	ND	ND	64 J	ND	66 J	ND	ND
Indeno(1,2,3-cd)pyrene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
ND - Indicates that the compound was analyzed for but not detected.
J - Indicates an estimated concentration.
X - Indicates the coelution of indistringuishable isomers.
NE - Not established.
R - Indicates the analyte was rejected due to data not meeting validation criteria.

TABLE 2
SEMIVOLATILE ORGANIC ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDD20901 12-Jun-92 ug/Kg	SDS30101 10-Jun-92 ug/Kg	SDD30101 10-Jun-92 ug/Kg	SDS30201 10-Jun-92 ug/Kg	SDD30201 10-Jun-92 ug/Kg
Phenol	4.80E+07	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	6.36E+02	ND	ND	ND	ND	ND
2-Chlorophenol	4.00E+05	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	NE	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	NE	ND	ND	ND	ND	ND
Benzyl Alcohol	NE	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7.20E+06	ND	ND	ND	ND	ND
2-Methylphenol	4.00E+06	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NE	NDJ	ND	ND	ND	ND
4-Methylphenol	4.00E+06	ND	ND	ND	ND	ND
N-nitroso-di-n-propylamine	1.00E+02	ND	ND	ND	ND	ND
Hexachloroethane	5.00E+04	ND	ND	ND	ND	ND
Nitrobenzene	4.00E+04	ND	ND	ND	ND	ND
Isophorone	NE	ND	ND	ND	ND	ND
2-Nitrophenol	NE	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NE	ND	ND	ND	ND	ND
Benzoic Acid	3.20E+08	ND	R	R	R	R
Bis(2-chloroethoxy)methane	NE	ND	ND	ND	ND	ND
2,4-Dichlorophenol	2.40E+05	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	ND	ND	ND	ND	ND
Naphthalene	3.30E+05	ND	80 J	120 J	ND	ND
4-Chloroaniline	3.20E+05	ND	ND	ND	ND	ND
Hexachlorobutadiene	8.97E+03	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	ND	ND	ND	ND	ND
2-Methylnaphthalene	NE	ND	170 J	230 J	ND	ND
Hexachlorocyclopentadiene	5.60E+05	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NE	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	8.00E+06	ND	ND	ND	ND	ND
2-Chloronaphthalene	NE	ND	ND	ND	ND	ND
2-Nitroaniline	NE	NDJ	ND	ND	ND	ND
Dimethyl Phthalate	NE	ND	ND	ND	ND	ND
Acenaphthylene	NE	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NE	ND	ND	ND	ND	ND
3-Nitroaniline	NE	ND	ND	ND	ND	ND
Acenaphthene	NE	ND	ND	ND	ND	ND
2,4-Dinitrophenol	1.60E+05	ND	ND	ND	ND	ND
4-Nitrophenol	NE	ND	140 J	350 J	ND	ND
Dibenzofuran	NE	ND	58 J	89 J	ND	ND

TABLE 2
SEMIVOLATILE ORGANIC ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDD20901 12-Jun-92 ug/Kg	SDS30101 10-Jun-92 ug/Kg	SDD30101 10-Jun-92 ug/Kg	SDS30201 10-Jun-92 ug/Kg	SDD30201 10-Jun-92 ug/Kg
2,4-Dinitrotoluene	NE	ND	ND	ND	ND	ND
Diethylphthalate	6.40E+07	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NE	ND	ND	ND	ND	ND
Fluorene	NE	ND	ND	ND	ND	ND
4-Nitroaniline	NE	ND	ND	ND	ND	ND
4,6-Dinitro-2-Methylphenol	NE	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	1.43E+05	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	NE	ND	ND	ND	ND	ND
Hexachlorobenzene	6.40E+04	ND	ND	ND	ND	ND
Pentachlorophenol	2.40E+06	ND	95 J	95 J	ND	ND
Phenanthrene	NE	ND	290 J	480	200 J	ND
Anthracene	NE	ND	41 J	73 J	45 J	ND
Di-n-butylphthalate	8.00E+05	ND	ND	ND	ND	ND
Fluoranthene	NE	ND	170 J	170 J	250 J	ND
Pyrene	NE	ND	200 J	180 J	160 J	ND
Butylbenzylphthalate	1.60E+07	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	NE	NDJ	ND	ND	ND	ND
Benzo(a)anthracene	NE	ND	98 J	120 J	95 J	ND
Chrysene	NE	ND	110 J	140 J	110 J	ND
Bis(2-ethylhexyl)phthalate	5.00E+04	ND	ND	ND	37 J	ND
Di-n-octylphthalate	NE	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	NE	ND	140 JX	160 JX	220 JX	ND
Benzo(k)fluoranthene	NE	ND	140 JX	160 JX	220 JX	ND
Benzo(a)pyrene	NE	ND	71 J	ND	100 J	ND
Indeno(1,2,3-cd)pyrene	NE	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NE	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NE	ND	ND	ND	ND	ND

NOTES:

ND - Indicates that the compound was analyzed for but not detected.

J - Indicates an estimated concentration.

X - Indicates the coelution of indistinguishable isomers.

NE - Not established.

R - Indicates the analyte was rejected due to data not missing validation criteria.

TABLE 3
PESTICIDE AND PCB ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDS10101 10-Jun-92 ug/Kg	SDD10101 10-Jun-92 ug/Kg	SDD10201 10-Jun-92 ug/Kg	SDS10301 12-Jun-92 ug/Kg	SDD10301 12-Jun-92 ug/Kg	SDS10401 12-Jun-92 ug/Kg	SDD10401 12-Jun-92 ug/Kg	SDS20101 10-Jun-92 ug/Kg	SDD20101 10-Jun-92 ug/Kg	SDS20201 11-Jun-92 ug/Kg	SDD20201 11-Jun-92 ug/Kg
Alpha-BHC	111	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Beta-BHC	389	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Delta-BHC	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Gamma-BHC	2330000	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Heptachlor	156	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Aldrin	41.2	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Heptachlor Epoxide	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Endosulfan I	4000	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Dieldrin	43.8	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
4,4'-DDE	2060	ND	ND	ND	110	71	74J	NDJ	ND	ND	69	NDJ
Endrin	24000	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Endosulfan II	4000	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
4,4'-DDD	2920	ND	ND	ND	79	52	NDJ	NDJ	ND	ND	ND	NDJ
Endosulfan Sulfate	4000	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
4,4'-DDT	2060	ND	ND	ND	69	30	NDJ	NDJ	ND	ND	ND	NDJ
p,p'-Methoxychlor	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Endrin Ketone	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Alpha-Chlordane	NE	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Gamma-Chlordane	538	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Toxaphene	636	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Aroclor-1016	90.9	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Aroclor-1221	90.9	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Aroclor-1232	90.9	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Aroclor-1242	90.9	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Aroclor-1248	90.9	ND	ND	ND	ND	ND	2000J	600J	ND	ND	1800	NDJ
Aroclor-1254	90.9	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ
Aroclor-1260	90.9	ND	ND	ND	ND	ND	NDJ	NDJ	ND	ND	ND	NDJ

NOTES:
ND - Indicates the compound was analyzed for but not detected.
C - Indicates the identification of the compound has been confirmed by GC/MS.
NE - Not established.
J - Indicates that during validation, the accuracy of the quantitation was determined to be suspect and the value must be regarded as an estimate

TABLE 3
PESTICIDE AND PCB ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDS20301 11-Jun-92 ug/Kg	SDD20301 11-Jun-92 ug/Kg	SDS20401 11-Jun-92 ug/Kg	SDD20401 11-Jun-92 ug/Kg	SDS20501 11-Jun-92 ug/Kg	SDD20501 11-Jun-92 ug/Kg	SDS20601 11-Jun-92 ug/Kg	SDD20601 11-Jun-92 ug/Kg	SDS20701 11-Jun-92 ug/Kg	SDS20801 12-Jun-92 ug/Kg	SDD20801 12-Jun-92 ug/Kg
Alpha-BHC	111	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	389	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC	2330000	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	156	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	41.2	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	4000	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	43.8	150 J	NDJ	NDJ	ND	ND	ND	360 C	20	520 C	ND	ND
4,4'-DDE	2060	NDJ	NDJ	NDJ	ND	ND	ND	ND	26	ND	21	ND
Endrin	24000	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	4000	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2920	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	4000	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	2060	600 J	NDJ	NDJ	ND	ND	ND	ND	23 J	ND	48	ND
p,p'-Methoxychlor	NE	260 J	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-Chlordane	NE	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-Chlordane	538	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	636	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1016	90.9	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	90.9	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	90.9	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	90.9	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	90.9	1700 J	250 J	NDJ	ND	ND	ND	ND	410	ND	ND	ND
Aroclor-1254	90.9	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	90.9	NDJ	NDJ	NDJ	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

ND - Indicates the compound was analyzed for but not detected.

C - Indicates the identification of the compound has been confirmed by GC/MS.

NE - Not established.

J - Indicates that during validation, the accuracy of the quantitation was determined to be suspect and the value must be regarded as an estimate

TABLE 3
PESTICIDE AND PCB ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/Kg	SDD20901 12-Jun-92 ug/Kg	SDS30101 10-Jun-92 ug/Kg	SDD30101 10-Jun-92 ug/Kg	SDS30201 10-Jun-92 ug/Kg	SDD30201 10-Jun-92 ug/Kg
Alpha-BHC	111	ND	ND	ND	ND	ND
Beta-BHC	389	ND	ND	ND	ND	ND
Delta-BHC	NE	ND	ND	ND	ND	ND
Gamma-BHC	2330000	ND	ND	ND	ND	ND
Heptachlor	156	ND	ND	ND	ND	ND
Aldrin	41.2	ND	ND	ND	ND	ND
Heptachlor Epoxide	NE	ND	ND	ND	ND	ND
Endosulfan I	4000	ND	ND	ND	ND	ND
Dieldrin	43.8	ND	ND	ND	ND	ND
4,4'-DDE	2060	ND	ND	ND	ND	ND
Endrin	24000	ND	ND	ND	ND	ND
Endosulfan II	4000	ND	ND	ND	ND	ND
4,4'-DDD	2920	ND	ND	ND	ND	ND
Endosulfan Sulfate	4000	ND	ND	ND	ND	ND
4,4'-DDT	2060	ND	ND	ND	ND	ND
p,p'-Methoxychlor	NE	ND	ND	ND	ND	ND
Endrin Ketone	NE	ND	ND	ND	ND	ND
Alpha-Chlordane	NE	ND	ND	ND	ND	ND
Gamma-Chlordane	538	ND	ND	ND	ND	ND
Toxaphene	636	ND	ND	ND	ND	ND
Aroclor-1016	90.9	ND	ND	ND	ND	ND
Aroclor-1221	90.9	ND	ND	ND	ND	ND
Aroclor-1232	90.9	ND	ND	ND	ND	ND
Aroclor-1242	90.9	ND	ND	ND	ND	ND
Aroclor-1248	90.9	ND	ND	ND	ND	ND
Aroclor-1254	90.9	ND	ND	ND	ND	ND
Aroclor-1260	90.9	ND	ND	ND	ND	ND

NOTES:
ND - Indicates the compound was analyzed for but not detected.
C - Indicates the identification of the compound has been confirmed by GC/MS.
NE - Not established.
J - Indicates that during validation, the accuracy of the quantitation was determined to be suspect and the value must be regarded as an estimate

TABLE 4
METALS ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern mg/Kg	SDS10101 10-Jun-92 mg/Kg	SDD10101 10-Jun-92 mg/Kg	SDD10201 10-Jun-92 mg/Kg	SDS10301 12-Jun-92 mg/Kg	SDD10301 12-Jun-92 mg/Kg	SDS10401 12-Jun-92 mg/Kg	SDD10401 12-Jun-92 mg/Kg	SDS20101 10-Jun-92 mg/Kg	SDD20101 10-Jun-92 mg/Kg	SDS20201 11-Jun-92 mg/Kg	SDD20201 11-Jun-92 mg/Kg
Aluminum	NE	2860 *	3410 *	2690 *	10700	15200	13100	9110	10600 *	9190 *	17800 *	21500 *
Antimony	32	ND N	10.8 BN	ND N	ND N	ND N	ND N	ND N	ND N	ND N	13.4 BN	ND N
Arsenic	0.412	5.7	5.5	5.5	18.1	48.5	12.6 +	6.6 B	9.1	6.7	7.3	9.7
Barium	4000	18.6 B	13.6 B	13.7 B	106	312	124	145	56.6	46.5	83.9	103
Beryllium	0.163	ND	ND	ND	ND	0.79 B	ND	ND	0.60 B	0.52 B	0.82 B	1 B
Cadmium	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NE	112000	103000	127000	22300	15000	29600	35900	53900	54100	46000	38100
Chromium	400	6.4	7.4	6.7	18.9	19.7	25.2	15.5	18.2	16.3	32.4	36.9
Cobalt	NE	5.2 B	5.2 B	5.8 B	7.7 B	5.8 B	10.4 B	ND	9.5 B	11.6	9.5 B	11.3 B
Copper	NE	17.4	16.9	14.9	70.2	60.8	45	24.4	24.6	25.1	51.3	53.1
Iron	NE	13500	13700	14100	21300	68200	24100	31400	19900	20200	24800	29000
Lead	NE	43	22.3 *	24.5 *	206	69.6	172	49.6	34.8	18.7 *	209	163
Magnesium	NE	63600	52100	72200	10300	7240	12800	6060	30000	29100	27300	21600
Manganese	16000	664	576	889	437	284	626	197	539	638	646	537
Mercury	24	ND N	ND N	ND N	ND	ND	ND	ND	ND N	0.20 N	0.31 N	ND N
Nickel	1600	16.7	17.7	13.8	20.7	24.4	31.3	ND	23.8	27.7	27.7	30.3
Potassium	NE	1090 B	1340	1080 B	2190 *	1660 B*	ND *	ND *	2540	1880	4110	5770
Selenium	240	ND	ND	ND	ND	1.6 B	ND	ND	ND	ND W	ND	ND
Silver	240	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N
Sodium	NE	372 B	427 B	436 B	294 B	327 B	632 B	1250 B	425 B	361 B	491 B	738 B
Thallium	NE	ND WN	ND WN	ND WN	ND W	ND	ND W	ND W	ND WN	ND WN	ND WN	ND WN
Vanadium	720	11 B	11.4	12.3	29.8	38.1	29.6	21.1 B	23.1	21.3	35.7	43.9
Zinc	16000	80.1	59.5	64.2	201	124	257	89.7	82.8	67.3	307	262
Cyanide	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

B - Analyte was detected at a concentration between the Contract Required Detection Limit and the Instrument Detection Limit.

N - Indicates a matrix-related interference in the sample preparation procedure and/or analysis for the flagged analyte. This is normally a consequence of a relatively high anionic content in the sample.

E - Indicates that a chemical or physical interfernce effect was encountered during the analysis of the flagged analyte. As a result of this interference, all values for this analyte in the same matrix must be considered to be estimated quantities.

W - Indicates a slight matrix related interference is present for the analyte as determined by analytical spike recovery that is wide of the 85% to 115% CLP acceptability limits in samples which exhibit relatively low concentrations of the analyte.

S - Indicates the correlation coefficient obtained during the analysis meets CLP linearity guidelines (0.995 or greater correlation).

+ - Indicates CLP linearity guidelines cannot be achieved after two separate determinations.

ND - Indicates the compound was analyzed for but not detected.

NE- Not Established

* - The level of concern is less than the minimum detection limit.

J - Indicates that, during data validation, the accuracy of the quantitation was determined to be suspect and the value must be regarded as estimated.

TABLE 4
METALS ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern mg/Kg	SDS20301 11-Jun-92 mg/Kg	SDD20301 11-Jun-92 mg/Kg	SDS20401 11-Jun-92 mg/Kg	SDD20401 11-Jun-92 mg/Kg	SDS20501 11-Jun-92 mg/Kg	SDD20501 11-Jun-92 mg/Kg	SDS20601 11-Jun-92 mg/Kg	SDD20601 11-Jun-92 mg/Kg	SDS20701 11-Jun-92 mg/Kg	SDS20801 12-Jun-92 mg/Kg	SDD20801 12-Jun-92 mg/Kg
Aluminum	NE	15400 *	14900 *	13700 *	17700 *	10100 *	13100 *	21100 *	15500 *	20600 *	11100	12800
Antimony	32	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N
Arsenic	0.412	6.8	4.4 B	8.5	7.1	5.5	6.7	5	5.8 S	5	8.2	8.1
Barium	4000	142	109 B	75.4 B	95.7	41.2 B	43.1 B	97.6	77.2	96.9	52.6	52.2
Beryllium	0.163	ND	ND	ND	0.97 B	0.53 B	0.55 B	1.00 B	0.82 B	1.30 B	0.62 B	0.74 B
Cadmium	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NE	20000	27500	22900	20800	1800	1360	14400	10600	13300	65000	71200
Chromium	400	23.4	19	21.7	25.1	25.5	21.4	30.9	23.1	30.1	18.8	21.6
Cobalt	NE	ND	ND	6.9 B	7.3 B	11.2	9.8 B	7.8 B	7.9 B	8.5 B	9.5 B	10.2 B
Copper	NE	36.3	36.6	34	39.5	13.8	13.9	39.7	31.7	40	25.6	23
Iron	NE	20700	12100	16400	16600	15700	18300	21200	19700	21200	22700	21100
Lead	NE	107	18 *	87.4 S*	30.4 S*	29.4	26.6 *	43.2	24.7 *	49.1	26	15.4
Magnesium	NE	8460	6630	6500	5790	2860	3500	7980	7260	7870	33100	35600
Manganese	16000	203	115	205	113	434	386	357	392	372	520	539
Mercury	24	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	0.15 N	ND	ND
Nickel	1600	28	19.8 B	29.6	31.5	17.6	16.6	28.2	24.6	25.4	27.3	28.8
Potassium	NE	4580	2720 B	2020 B	ND	2020	2690	4200	2270	4540	3150 *	3590 *
Selenium	240	ND	2.80 B	4.00 S	2.1	ND	ND	2.20 S	ND	0.83 BW	ND W	0.88 BW
Silver	240	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N
Sodium	NE	882 B	1050 B	482 B	413 B	119 B	167 B	309 B	233 B	276 B	265 B	260 B
Thallium	NE	ND WN	ND WN	ND WN	ND WN	ND N	ND WN	ND WN	ND WN	ND WN	ND W	ND W
Vanadium	720	34.3	34.7	34.1	46.6	26	31.9	38.5	29.1	38.6	24.3	26.7
Zinc	16000	174	39.9	88.8	38	63.4	57.8	174	92.4	196	74.3	62.2
Cyanide	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

B - Analyte was detected at a concentration between the Contract Required Detection Limit and the Instrument Detection Limit.

N - Indicates a matrix-related interference in the sample preparation procedure and/or analysis for the flagged analyte. This is normally a consequence of a relatively high anionic content in the sample.

E - Indicates that a chemical or physical interfernce effect was encountered during the analysis of the flagged analyte. As a result of this interference, all values for this analyte in the same matrix must be considered to be estimated quantities.

W - Indicates a slight matrix related interference is present for the analyte as determined by analytical spike recovery that is wide of the 85% to 115% CLP acceptability limits in samples which exhibit relatively low concentrations of the analyte.

S - Indicates the correlation coefficient obtained during the analysis meets CLP linearity guidelines (0.995 or greater correlation).

+ - Indicates CLP linearity guidelines cannot be achieved after two separate determinations.

ND - Indicates the compound was analyzed for but not detected.

NE- Not Established

* - The level of concern is less than the minimum detection limit.

J - Indicates that, during data validation, the accuracy of the quantitation was determined to be suspect and the value must be regarded as estimated.

TABLE 4
METALS ANALYSES
FIRST ROUND OF SURFACE SOIL SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern mg/Kg	SDD20901 12-Jun-92 mg/Kg	SDS30101 10-Jun-92 mg/Kg	SDD30101 10-Jun-92 mg/Kg	SDS30201 10-Jun-92 mg/Kg	SDD30201 10-Jun-92 mg/Kg
Aluminum	NE	11000	10600 *	11800 *	14000 *	17200 *
Antimony	32	ND N	ND N	ND N	ND N	ND N
Arsenic	0.412	7	17	11	5.8	12.1
Barium	4000	50.1	109	74.2	89.5	102
Beryllium	0.163	0.59 B	1.40	1.1 B	0.83 B	0.93 B
Cadmium	80	ND	ND	ND	ND	ND
Calcium	NE	72400	8210	5190	4880	4170
Chromium	400	19.7	15	15.3	21.3	24.5
Cobalt	NE	11.4	8.4 B	13	12.2	13
Copper	NE	21.7	24.2	23.6	18.4	19.5
Iron	NE	19900	20200	25100	24200	29700
Lead	NE	13.7	72.2	38.8	34.7	21.7 *
Magnesium	NE	35100	2480	2620	5030	5660
Manganese	16000	541	345	452	799	950
Mercury	24	ND	ND N	ND N	ND N	ND N
Nickel	1600	26.9	28.7	25.8	25.1	29.3
Potassium	NE	2940 *	1490	1660	2430	2690
Selenium	240	ND W	0.79 BW	ND	ND	ND
Silver	240	ND N	ND N	ND N	ND N	ND N
Sodium	NE	246 B	359 B	326 B	117 B	135 B
Thallium	NE	ND W	ND WN	ND WN	ND WN	ND WN
Vanadium	720	23.8	25.4	29.4	29.4	35.1
Zinc	16000	63.9	194	176	81.9	76.7
Cyanide	1600	ND	ND	ND	ND	ND

NOTES:

B - Analyte was detected at a concentration between the Contract Required Detection Limit and the Instrument Detection Limit.

N - Indicates a matrix-related interference in the sample preparation procedure and/or analysis for the flagged analyte. This is normally a consequence of a relatively high anionic content in the sample.

E - Indicates that a chemical or physical interfernce effect was encountered during the analysis of the flagged analyte. As a result of this interference, all values for this analyte in the same matrix must be considered to be estimated quantities.

W - Indicates a slight matrix related interference is present for the analyte as determined by analytical spike recovery that is wide of the 85% to 115% CLP acceptability limits in samples which exhibit relatively low concentrations of the analyte.

S - Indicates the correlation coefficient obtained during the analysis meets CLP linearity guidelines (0.995 or greater correlation).

+ - Indicates CLP linearity guidelines cannot be achieved after two separate determinations.

ND - Indicates the compound was analyzed for but not detected.

NE- Not Established

* - The level of concern is less than the minimum detection limit.

J - Indicates that, during data validation, the accuracy of the quantitation was determined to be suspect and the value must be regarded as estimated.

TABLE 5
VOLATILE ORGANICS ANALYSES
SECONDROUND OF SURFACE WATER SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/L	SW0102 01-Sep-92 ug/L	SW0202RE 01-Sep-92 ug/L	SW0302 01-Sep-92 ug/L	SW0402 01-Sep-92 ug/L	SW0502 01-Sep-92 ug/L	SW0602 31-Aug-92 ug/L	SW0702 31-Aug-92 ug/L	SW0802RE 31-Aug-92 ug/L	SW0902 31-Aug-92 ug/L	SW1002 31-Aug-92 ug/L	SW1102RE 01-Sep-92 ug/L	SW1202RE 01-Sep-92 ug/L
Chloromethane	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Choroethane	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	NE	ND	ND	ND	140	ND	ND	ND	49D	ND	ND	ND	59D
Acetone	8.30E+06	81	NDJ	490J	640J	24	ND	ND	990D	ND	ND	230DJ	120DJ
Carbon disulfide	1.35E+05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	7.40E+04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethene (total)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	1.24E+03	ND	ND	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	2.00E+04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone	NE	ND	R	ND	ND	ND	NDJ	NDJ	ND	ND	NDJ	ND	ND
1,1,1-trichloroethane	1.84E+04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	1.40E+04	ND	ND	NDJ	NDJ	ND	NDJ	NDJ	ND	NDJ	NDJ	NDJ	NDJ
Bromodichloromethane	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	5.70E+03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-dichloropropene	5.70E+03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	2.19E+04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomchloromethane	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	9.40E+03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-dichloropropene	2.44E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	8.40E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	2.40E+03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.00E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
ND - Indicates the compound was analyzed for but not detected.
B - Indicates the analyte was found in the associated blank as well as in the sample.
NE - Not established.

TABLE 6
SEMIVOLATILE ORGANIC ANALYSES
SECOND ROUND OF SURFACE WATER SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/L	SW0102 01-Sep-92 ug/L	SW0202 01-Sep-92 ug/L	SW0302 01-Sep-92 ug/L	SW0402 01-Sep-92 ug/L	SW0502 01-Sep-92 ug/L	SW0602 31-Aug-92 ug/L	SW0702 31-Aug-92 ug/L	SW0802 31-Aug-92 ug/L	SW0902 31-Aug-92 ug/L	SW1002 31-Aug-92 ug/L	SW1102 01-Sep-92 ug/L	SW1202 01-Sep-92 ug/L
Phenol	1.00E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	3.00E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	2.00E+03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	7.63E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	7.63E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	1.00E+04	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ
1,2-Dichlorobenzene	7.63E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	3.47E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitroso-di-n-propylamine	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5.40E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	3.65E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.00E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	6.20E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	2.40E+03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	9.30E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.20E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	9.70E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Phthalate	3.13E+05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	5.20E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	1.50E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 6
SEMIVOLATILE ORGANIC ANALYSES
SECOND ROUND OF SURFACE WATER SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/L	SW0102 01-Sep-92 ug/L	SW0202 01-Sep-92 ug/L	SW0302 01-Sep-92 ug/L	SW0402 01-Sep-92 ug/L	SW0502 01-Sep-92 ug/L	SW0602 31-Aug-92 ug/L	SW0702 31-Aug-92 ug/L	SW0802 31-Aug-92 ug/L	SW0902 31-Aug-92 ug/L	SW1002 31-Aug-92 ug/L	SW1102 01-Sep-92 ug/L	SW1202 01-Sep-92 ug/L
2,4-Dinitrotoluene	2.30E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	3.50E+05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-Methylphenol	1.34E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	4.90E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	5.00E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.30E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1.00E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1.00E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	3.00E+00	ND	ND	ND	7 J	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
ND - Indicates that the compound was analyzed for but not detected.
J - Indicates an estimated concentration.
X - Denotes the coelution of indistinguishable isomers.
NE - Not established.

TABLE 7
PESTICIDE AND PCB ANALYSES
SECOND ROUND OF SURFACE WATER SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/L	SW0102 01-Sep-92 ug/L	SW0202 01-Sep-92 ug/L	SW0302 01-Sep-92 ug/L	SW0402 01-Sep-92 ug/L	SW0502 01-Sep-92 ug/L	SW0602 31-Aug-92 ug/L	SW0702 31-Aug-92 ug/L	SW0802 31-Aug-92 ug/L	SW0902 31-Aug-92 ug/L	SW1002 31-Aug-92 ug/L	SW1102 01-Sep-92 ug/L	SW1202 01-Sep-92 ug/L
Alpha-BHC	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC	6.00E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	3.80E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	5.60E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	1.90E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2.30E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	1.00E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-Methoxychlor	3.00E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-Chlordane	4.30E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-Chlordane	4.30E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	2.00E-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aoricor-1016	1.40E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	1.40E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	1.40E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	1.40E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	1.40E-02	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	1.40E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	1.40E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
ND - Indicates the compound was analyzed for but not detected.
C - Indicates the indentification of the compound has been comfirmed by GC/MS.
NE - Not established.

TABLE 8
METALS ANALYSES
SECOND ROUND OF SURFACE WATER SAMPLING

Sample ID Date Sampled Units	Preliminary Level of Concern ug/L	SW0102 01-Sep-92 ug/L	SW0202 01-Sep-92 ug/L	SW0302 01-Sep-92 ug/L	SW0402 01-Sep-92 ug/L	SW0502 01-Sep-92 ug/L	SW0602 31-Aug-92 ug/L	SW0702 31-Aug-92 ug/L	SW0802 31-Aug-92 ug/L	SW0902 31-Aug-92 ug/L	SW1002 31-Aug-92 ug/L	SW1102 01-Sep-92 ug/L	SW1202 01-Sep-92 ug/L
Aluminum	NE	197 BE	246 E	193 BE	215 E	228 E	219 E	238 E	3810 EJ	532 EJ	368 E	195 BE	716 EJ
Antimony	1.60E+03	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ	NDJ
Arsenic	1.90E+02	ND	ND W	ND W	ND W	ND	ND W	ND W	4.1 BWJ	ND W	ND W	ND W	ND W
Barium	5.00E+03	40.2 B	35.5 B	33.3 B	32.9 B	27.5 B	29.7 B	29.5 B	53.9 B	31.6 B	25.1 B	42.6 B	37.0 B
Beryllium	5.30E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	1.10E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NE	65200	4800	45700	44900	36600	38700	38500	50000	33600	30000	72200	36600
Chromium	NE	ND	ND	ND	ND	ND	ND	ND	7.8 B	ND	ND	ND	7.2 B
Cobalt	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.20E+01	ND	ND	ND	ND	4.2 B	ND	ND	17.3 B	4.4 B	ND	ND	5.5 B
Iron	1.00E+03	569	853	754	760	914	769	806	5700	760	434	440	3010
Lead	3.20E+00	R	R	R	R	R	R	R	R	R	R	R	R
Magnesium	NE	32400	20400	19500	19200	15400	17500	17300	23500	24000	22300	35400	9410
Manganese	1.00E+03	100	184	225	222	283	154	154	258	68.4	135	68	572
Mercury	1.20E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	1.60E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potassium	NE	3110 B	2800 B	3320 B	2820 B	2820 B	2380 B	2430 B	3810 B	2750 B	2800 B	3770 B	5010
Selenium	3.50E+01	ND	ND	ND	ND	ND	ND W	ND	ND	ND W	ND	ND	ND
Silver	1.20E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NE	62700	56800	53200	52800	30300	35100	34500	38900	51700	52400	68100	30000
Thallium	4.00E+01	ND WNJ	ND WNJ	ND WNJ	ND WNJ	ND WNJ	ND WNJ	ND WNJ	ND WNJ	ND WNJ	ND WNJ	ND WNJ	ND WNJ
Vanadium	NE	ND	ND	ND	ND	ND	ND	ND	6.0 B	ND	ND	ND	ND
Zinc	1.00E+03	17.7 B	9.2 B	8.1 B	8.1 B	20.9	21.6	18.7 B	86.8J	26.4	12.6 B	9.3 B	101J
Cyanide	5.20E+00	17.9	20.7	17.1	16.1	ND	ND	ND	ND	ND	ND	11.0	10.5

NOTES:

B - Analyte was detected at a concentration between the Contract Required Detection Limit and the Instrument Detection Limit.

N - Indicates a matrix-related interference in the sample preparation procedure and/0r analysis for the flagged analyte. This is normally a cosequence of a relatively high anionic content in the sample.

E - Indicates that a chemical or physical interference effect was encountered during the analysis of the flagged analyte. As a result of this interference, all values for this analyte in the same matrix must be considered to be estimated quantities.

W - Indicates a slight matrix related interference is present for the analyte as determined by analytical spike recovery that is wide of the 85% to 115% CLP acceptability limits in samples which exhibit relatively low concentrations of the analyte.

S - Indicates CLP linearity guidelines cannot be achieved after two separate determinations.

ND - Indicates the compound was analyzed for but not detected.

NE - Not established.

* - The level of concern is less than the minimum detection limit.

TABLE 9

RESULTS OF SEPTEMBER 1992 LANDFILL GAS PROBE SCREENING

Landfill Gas Probe	Date	Time	CGI Measurement % LEL	PID Measurement (ppm)	PID Background Measurement (ppm)	FID Measurement (ppm)	FID Background Measurement (ppm)	Current Water Elevation (ft msl)	Notes
LFG 101	9-2-92	1045	0.0	1.7	0.2	35.0	20.0	NM	took reading from peristaltic outlet
LFG 102	NA	NA	NM	NM	NM	NM	NM	NM	water above screen
LFG 103	9-3-92	1225	>100.0	0.2-0.0	0.2	NM	NM	NM	low oxygen level
LFG 104	9-3-92	1022	2.0	0.2	0.2	20.0	10.0	NM	water in probe
LFG 105	9-2-92	1735	>100.0	0.2-0.0	0.2	NM	NM	NM	
LFG 106	9-3-92	1105	>100	0.2-0.0	0.2	NM	NM	NM	
LFG 107	9-3-92	1125	>100.0	0.2	0.2	NM	NM	NM	
LFG 108	9-2-92	1709	1.0	0.4	0.2	1.4	1.4	NM	
LFG 109	9-3-92	1141	>100	7.9	0.2	NM	NM	NM	
LFG 110	9-3-92	1205	4.0	1.4	0.2	15.0	8.0	NM	water in probe
LFG 111	9-3-92	1247	13.0	0.2	0.2	NM	NM	NM	Oxygen level was too low for FID
LFG 201	9-4-92	1158	2.0	0.5	0.2	2 - 0	2.0	NM	took reading from peristaltic outlet low oxygen level
LFG 202	9-4-92	1024	>100.0	0.8	0.2	NM	NM	NM	took reading from peristaltic outlet
LFG 203	9-2-92	1556	>100.0	0.2 - 0.0	0.2	NM	NM	NM	
LFG 204	9-2-92	1620	1.0	5.7	0.2	130.0	2.0	NM	water in probe
LFG 205	9-2-92	1436	2.0	0.2	0.2	4.5	2.0	NW	
LFG 206	9-2-92	1330	1.0	0.9	0.4	2.0 - 0.0	2.0	NW	oxygen level too low for FID
LFG 207	9-2-92	1131	3.0	0.2	0.2	8.0	2.0	645.87	

Golder Associates

TABLE 9

RESULTS OF SEPTEMBER 1992 LANDFILL GAS PROBE SCREENING

Landfill Gas Probe	Date	Time	CGI Measurement % LEL	PID Measurement (ppm)	PID Background Measurement (ppm)	FID Measurement (ppm)	FID Background Measurement (ppm)	Current Water Elevation (ft msl)	Notes
LFG 208	9-2-92	1055	2.0	0.2	0.2	2.0 - 0.0	2.0	NW	oxygen level too low for FID
LFG 209	9-2-92	1508	>100.0	5.0	0.2	NM	NM	NM	landfill gas blowing out of probe
LFG 210	9-2-92	1534	>100.0	0.2 - 0.0	0.2	NM	NM	NM	
LFG 211	9-2-92	1457	>100.0	0.4	0.2	NM	NM	656.33	took reading from peristaltic outlet water in probe
LFG 212	9-4-92	0954	>100	50.5	0.2	NM	NM	NM	took reading from peristaltic outlet
LFG 213	9-4-92	0933	>100	0.5	0.2	NM	NM	NM	
LFG 214	9-4-92	0848	>100.0	0.2 - 0.0	0.2	NM	NM	NW	
LFG 215	9-4-92	0914	1.0	1.7	0.2	NM	NM	NM	took reading from peristaltic outlet
LFG 216	NA	NA	NM	NM	NM	NM	NM	649.87	
LFG 217	9-2-92	1243	>100.0	0.9	0.2	NM	NM	648.49	
LFG 218	9-4-92	1105	>100.0	3.5	0.2	NM	NM	NM	
LFG 219	9-4-92	1126	2.0	0.5	0.2	2.0	0.0	NM	
LFG 220	9-2-92	1014	2.0	0.7	0.2	160.0	2.0	NW	
LFG 221	9-2-92	1216	2.0	0.2	0.2	2.0 - 0.0	2.0	NW	oxygen level too low for FID
LFG 222	9-4-92	1045	78.0	0.5	0.2	NM	NM	NM	low oxygen level

Notes:
NM Not Measured
NA Not Applicable
NW No Water in the Probe
(83200182.wq1/djf)

TABLE 10

BASEMENT MONITORING RESULTS, SEPTEMBER 28 TO SEPTEMBER 30, 1992

DATE	LOCATION	FID (ppm unless noted otherwise)	PID (ppm)	LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
9/28/92	Bank of Waukegan					
	1601 N. Lewis Avenue					
	Background (N. of Bldg)	4.5	0.1 to 0.2	0	0	20.8
	Breathing Zone of Basement	4.5	0.1 to 0.2	0	0	20.8
	Southwest Corner of Basement	4.5	0.5 to 0.8	0	0	20.7
	Southeast Corner of Basement	4.5	0.1 to 0.2	0	0	20.7
	Northwest Corner of Basement	4.5	0.1	0	0	20.8
	Northeast Corner of Basement	4.5	0.1 to 0.2	0	0	20.8
	East Sump	4.5	0.1 to 0.2	0	0	20.4
	Southwest Sump	4.5	0.1 to 0.2	0	0	20.1
9/28/92	McDonald's Restaurant					
	1939 N. Lewis Avenue					
	Background (N. of Bldg)	4.5	0.1 to 0.2	0	0	20.8
	Breathing Zone of Basement	4.5	0.1 to 0.2	0	0	20.8
	Southwest Corner of Basement	5	0.1 to 0.2	0	0	20.7
	Southeast Corner of Basement	4.5	0.1	0	0	20.7
	Northwest Corner of Basement	5	0.1 to 0.2	0	0	20.7
	Northeast Corner of Basement	5	0.1 to 0.2	0	0	20.7
	East Sump along S. Wall	30	0.1 to 0.3	1	0	20.5
	West Sump along S. Wall	7 to 40	0.1 to 0.8	0	0	20.5
9/29/92	Luis Gallegos Residence*					
	1720 W. Greenwood					
	Background (S. of Bldg)	0.3 % ##	0.2	0	0	20.7
	Breathing Zone of Basement	20	0.5 to 0.8	0	0	20.5
	Southwest Corner of Basement	25	0.2 to 0.5	0	0	20.6
	Southeast Corner of Basement	20	0.5 to 0.8	0	0	20.8
	Northwest Corner of Basement	25	0.5	0	0	20.6
	Northeast Corner of Basement	20	0.5 to 0.8	0	0	20.5
9/29/92	Nursing Home					
	1615 Sunset Avenue					
	Background (N. of Bldg)	3	0.1	0	0	20.8
	Breathing Zone of Basement					
	North Hallway	3.5	0.2	0	0	20.8
	Rehabilitation Office (Center)	3.5	0.2	0	0	20.8
	Beauty Shop (Center)	3.5	0.2	0	0	20.8
	Boiler Room (NE)	5.5	0.2	0	0	20.6
	Southwest Corner of Basement	3.5	0.2	0	0	21
	Southeast Corner of Basement	5	0.2	0	0	20.6
	Northwest Corner of Basement	3.5	0.2	0	0	20.8
	Northeast Corner of Basement	5	0.2	0	0	20.6
	Crack in Floor at West End	3.5	0.2	0	0	20.8
	Sump in Southwest Corner	5.5	0.5	0	0	20.6
9/30/92	Evoy, Kamschulte, Jacobs & Co.					
	2122 Yeoman Street					
	Background (W. of Bldg)	4	0.1 to 0.3	0	0	20.8
	Breathing Zone of Basement	9.5	0.1 to 0.3	0	0	20.5
	Southwest Corner of Basement	10	0.1 to 0.3	0	0	20.5
	Southeast Corner of Basement	10	0.1 to 0.3	0	0	20.5
	Northwest Corner of Basement	9.5	0.1 to 0.3	0	0	20.5
	Northeast Corner of Basement	9.5	0.1 to 0.3	0	0	20.5
	Sump in Southwest Corner	10	0.1 to 0.3	0	0	20.6

TABLE 10

BASEMENT MONITORING RESULTS, SEPTEMBER 28 TO SEPTEMBER 30, 1992

DATE	LOCATION	FID (ppm unless noted otherwise)	PID (ppm)	LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
9/30/92	Sunset House Restaurant					
	1451 W. Golf Road					
	Background (S. of Bldg)	3	0.1 to 0.3	0	0	20.8
	Breathing Zone of Basement	0.2 %	0.1 to 0.3	5	0	20.5
	Southwest Corner of Basement	0.2 %	0.1	4	0	20.5
	Southeast Corner of Basement	0.2 %	0.1	4	0	20.4
	Northwest Corner of Basement	> 1.0 %	0.1 to 0.3	9	0	20.1
	Northeast Corner of Basement	0.2 %	0.1	4	0	20.5
	Sump along South Wall					
	Top of Sump	NM	1.2	36	0	19.4
	Inside South Tile	NM	NM	47	0	19.2
	Crack in Floor (Center of Basement)	0.3 %	0.1	4	0	20.4
	Crack in Floor (West End)	0.4 %	0.1	5	0	20.4
9/30/92	Class Action II Hair & Tan Salon					
	1431 W. Golf					
	Background (S. of Bldg)	3	0.1 to 0.3	0	0	20.8
	Breathing Zone of Basement	0.07 %	0.1 to 0.3	2	0	20.9
	Southwest Corner of Basement	0.09 %	0.1 to 0.3	2	0	20.9
	Southeast Corner of Basement	0.075 %	0.1 to 0.3	2	0	20.8
	Northwest Corner of Basement	0.07 %	0.1 to 0.3	2	0	20.8
	Northeast Corner of Basement	0.06 to 0.07 %	0.1 to 0.3	2	0	20.9
	Sump in Southwest Corner					
	Top of Sump	NM	0.1	6 to 7	0	20.7
	Inside Tile	NM	0.1 to 0.3	47	0	18.5
9/30/92	Opals Hair Design & Little Fort Jewelers					
	1415 & 1419 W. Golf					
	Laundry Room					
	Background (N. of Bldg)	3	0.1 to 0.3	0	0	20.8
	Breathing Zone of Basement	25	0.1	1	0	20.8
	Southwest Corner of Basement	25	0.1	1	0	20.8
	Southeast Corner of Basement	25	0.1	1	0	20.8
	Northwest Corner of Basement	25	0.1	1	0	20.8
	Northeast Corner of Basement	25	0.1	1	0	20.8
	Sump (No pump installed)	30	0.1 to 0.3	1	0	20.8
	Inside Tile	NM	0.1 to 0.3	6	0	20.8
	Sign Making Room					
	Breathing Zone of Basement	100 ppm to 0.02 %	0.1 to 0.3	0	0	20.8
	Southwest Corner of Basement	50	0.1 to 0.3	0	0	20.7
	Southeast Corner of Basement	100	0.1 to 0.3	0	0	20.8
	Northwest Corner of Basement	50	0.1 to 0.3	0	0	20.8
	Northeast Corner of Basement	90	0.1 to 0.3	0	0	20.8
	Crack in Floor (Center)	85	0.1 to 0.3	0	0	20.8

NOTES:
* - Building does not have a sump.
NM - Not measured
- OVA was acting erratically

(83352484.wq1/emp)

TABLE 11

BASEMENT MONITORING RESULTS, OCTOBER 2 TO OCTOBER 11, 1992

DATE	LOCATION	FID (ppm unless noted otherwise)	PID (ppm)	LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)	IRGA LEL METHANE (Percent)
10/2/92	S. K. Shih, M.D., FACS						
	1401 W. Golf						
	Background (N. of Bldg)	3.5	0.2 to 0.4	0	0	20.8	NM
	Breathing Zone of Basement	0.1 to 0.5 %	0.2 to 0.4	3 to 5	0	20.8	NM
	SE Corner Where Sump is Located	NM	NM	60 to > 100**	NM	NM	NM
	Sump in Southeast Corner						
	Top of Sump	NM	NM	7	0	NM	4
	Inside North Tile	NM	NM	7	0	NM	12
	Inside South Tile	NM	NM	7	0	NM	12
10/2/92	Butrick Aparments						
	2027 Butrick						
	Background (E. of Bldg)	3	0.2 to 0.4	0	0	20.8	0
	Breathing Zone	4.5 to 6.0	0	0	0	20.8	0
	Southwest Corner of Basement	20	0	0	0	20.8	0
	Southeast Corner of Basement	20	0	0	0	20.8	0
	Northwest Corner of Basement	20	0	0	0	20.8	0
	Northeast Corner of Basement	20	0	0	0	20.8	0
	Sump at the North End of Bldg						
	Top of Sump	16	0	0 to 1	0	20.7	0
	Inside West Tile	10	0	1 to 2	0	20.8	0
	Inside East Tile	20	0	2	0	20.8	0
	Sump at the South End of Bldg						
	Top of Sump	14	0	0	0	20.8	0
	Inside West Tile	17	0	0	0	20.8	0
	Inside East Tile	10	0	0	0	20.8	0
10/5/92	S. K. Shih, M.D., FACS						
	1401 W. Golf						
	Background (N. of Bldg)	2	0.2	0	0	20.8	0
	Breathing Zone of Basement	5	0.2	1	0	20.8	0
	Southwest Corner of Basement	6	0.2	1	0	20.8	0
	Southeast Corner of Basement	6	0.2	1	0	20.7	0
	Northwest Corner of Basement	2	0.2	1	0	20.8	0
	Northeast Corner of Basement	2	0.2	1	0	20.8	0
	Sump at Southeast Corner						
	Top of Sump	7	0.2 to 0.4	1	0	20.6	0
	Inside North Tile	50	0.2 to 0.4	1	0	20.6	0
	Inside South Tile	7	0.2 to 0.4	1	0	20.6	0
10/5/92	Butrick Apartments						
	2045 Butrick						
	Background (E. of Bldg)	1.6	0.2	0	0	20.9	0
	Breathing Zone of Basement	3.5 to 4.5	0.2	0	0	20.8	NM
	Southwest Corner of Basement	3 to 4	0.2	0 to 1 (Drift)	0	20.7	NM
	Southeast Corner of Basement	12	0.2	0 to 1 (Drift)	0	20.7	NM
	Northwest Corner of Basement	4.5	0.2	0 to 1 (Drift)	0	20.7	NM
	Northeast Corner of Basement	3.5	0.2	1 (Drift)	0	20.8	NM
	Sump at the North End of Bldg	3	0.2	0 to 1 (Drift)	0	20.8	NM
	Sump at the South End of Bldg	2.5	0.2	0 to 1 (Drift)	0	20.7	NM
	Crack in Floor of Basement	3	0.2	0 to 1 (Drift)	0	20.7	NM

TABLE 11

BASEMENT MONITORING RESULTS, OCTOBER 2 TO OCTOBER 11, 1992

DATE	LOCATION	FID (ppm unless noted otherwise)	PID (ppm)	LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)	IRGA LEL METHANE (Percent)
10/5/92	Hines Apartments						
	1715 Longview						
	Background (N. of Bldg)	2	0.2	1	0	20.8	NM
	Top of Crawlspace Entrance	5	0.2	1	0	20.6	NM
	Breathing Zone of Crawlspace	5	0.9 to 1.4	1	0	20.4	NM
	Southeast Corner of Crawlspace	4.5	0.4	1	0	20.4	NM
10/5/92	Butrick Apartments						
	2111 Butrick						
	Background (E. of Bldg)	1.8	0.2	0 to 1	0	20.8	NM
	Breathing Zone of Basement	14 to 30	0.2 to 0.4	1	0	20.6	NM
	Southwest Corner of Basement	20	0.2 to 0.4	1	0	20.6	NM
	Southeast Corner of Basement	18	0.2 to 0.4	1	0	20.6	NM
	Northwest Corner of Basement	22	0.2	1	0	20.7	NM
	Northeast Corner of Basement	12	0.2	1	0	20.7	NM
	Sump at the North End of Bldg						
	Top of Sump	1.6	0.2	1	0	20.5	NM
	Inside North Tile	1.6	0.2	1	0	20.5	NM
	Inside South Tile	1.6	0.4 to 0.9	1	0	20.5	NM
	Sump at the South End of Bldg						
	Top of Sump	1.6	0.9 to 1.4	1	0	20.4	NM
	Inside North Tile	2	0.4 to 0.9	1	0	20.4	NM
	Inside South Tile	1.6	0.4 to 0.9	1	0	20.4	NM
	Crack in W. Wall, 15' N. of SW Corner	18	0.2 to 0.4	1 to 2	0	20.5	NM
	Crack in W. Wall 10' N. of Stairwell	20	0.4	1	0	20.6	NM
	Crack in W. Wall 15' N. of Stairwell	16	0.2 to 0.4	1	0	20.5	NM
	Crack in W. Wall 40' N. of Stairwell	18	0.2 to 0.4	1	0	20.6	NM
10/5/92	Jack Hottle Residence*						
	1710 W. Greenwood						
	Background (S. of Bldg)	2	0.2	0	0	20.7	NM
	Breathing Zone of Basement	100	0.2 to 0.4	1	0	20.6	NM
	Southwest Corner of Basement	20	0.2 to 0.4	1	0	20.6	NM
	Southeast Corner of Basement	100	0.2 to 0.4	1	0	20.5	NM
	Northwest Corner of Basement	100	0.2 to 0.4	1	0	20.6	NM
	Northeast Corner of Basement	90	0.2	1	0	20.6	NM
	Crack in Floor, East Side	100	0.2	1	0	20.5	NM
10/7/92	Sunset House Restaurant						
	1451 W. Golf						
	Background (N. of Bldg)	3	0	0	0	20.8	0
	Breathing Zone of Basement	0.3 %	0	10	0	20.6	0 to 2
	Sump at the South End of Bldg						
	Top of Sump	NM	0	36	0	20.4	8
	Inside South Tile	NM	0.6	98	0	19.5	44
	Inside East Tile	NM	0	87	0	19.5	40
	Floor Drain	NM	0	> 100	0	NM	36
10/7/92	Gas Probe LFG-202	NM	0	> 100	0	14.5	21

TABLE 11

BASEMENT MONITORING RESULTS, OCTOBER 2 TO OCTOBER 11, 1992

DATE	LOCATION	FID (ppm unless noted otherwise)	PID (ppm)	LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)	IRGA LEL METHANE (Percent)
10/7/92	Class Action II Hair & Tan Salon						
	1431 W. Golf						
	Background (N. of Bldg)	3	0	0	0	20.8	0
	Breathing Zone	0.05 %	0	4	0	20.8	0
	Sump at Southwest Corner						
	Top of Sump	NM	0	4	0	20.8	8
	Inside North Tile	NM	0	16	0	20.4	25
	Inside South Tile (Blocked)	NM	0	13	0	20.7	6
	Shower Drain	0.08 %	0	4	0	20.8	0
	Sink Drain	0.07 %	0	4	0	20.7	0
	Toilet	0.08 %	0	4	0	20.8	0
10/7/92	Opals Hair Design & Little Fort Jewelers						
	1415 & 1419 W. Golf						
	Sign Making Room						
	Background (N. of Bldg)	3	0	0	0	20.8	0
	Breathing Zone	0.03 %	0	1	0	20.8	0
	Floor Drain (Blocked)	0.09 %	0	1 to 2	0	20.7	0
10/8/92	S. K. Shih, M.D., FACS						
	1401 W. Golf						
	Background (N. of Bldg)	3.5	0.2	0	0	20.8	0
	Breathing Zone	0.25 %	0.2 to 0.5	4 to 5	0	20.8	0
	Sump at Southeast Corner						
	Top of Sump	> 1.0 %	0.2 to 0.5	8	0	20.6	0
	Inside North Tile	NM	0.2 to 1.1	> 100	NM	NM	182
	Inside South Tile	NM	0.2 to 0.5	35	0	20.1	14
	Sink Drain	0.3 %	6.1	2	0	20.5	0
	Toilet Drain (Plugged)	0.25 %	0.2 to 0.5	3	0	20.6	0
	Shower Drain (Plugged)	0.25 %	0.5	3 to 4	0	20.6	0
	Sauna Drain (Rag Stuffed in Drain)	0.25 %	9.5	3	0	20.6	0
10/8/92	Little Fort Apartments						
	1921 N. Lewis Avenue						
	Background (W. of Bldg)	3	0.2 to 0.5	0	0	20.8	0
	Breathing Zone of Basement	10 to 15	0.2	0 to 1 (Drift)	0	20.4	NM
	Southwest Corner of Basement	10	0.2	0	0	20.3	NM
	Southeast Corner of Basement	10	0.2	0	0	20.4	NM
	Northwest Corner of Basement	15	0.2	0	0	20.4	NM
	Northeast Corner of Basement	20	0.2	0	0	20.3	NM
	Sump Along West Wall						
	Top of Sump	55	0.2 to 0.5	0	0	20.3	NM
	Inside West Tile	65	1.1	1	0	20	0
	Inside East Tile	100	1.6	1 to 2	0	19.3	0
10/8/92	Little Fort Apartments						
	1919 N. Lewis Avenue						
	Background (E. of Bldg)	3	0.2 to 0.5	0	0	20.8	0
	Breathing Zone of Basement	15	0.2 to 0.5	0	0	20.8	NM
	Southwest Corner of Basement	15	0.2	1 (Drift)	0	20.9	NM
	Southeast Corner of Basement	15	0.2	1 (Drift)	0	20.9	NM
	Northwest Corner of Basement	15	0.2	1 (Drift)	0	20.8	NM
	Northeast Corner of Basement	15	0.2	1 (Drift)	0	20.9	NM
	Sump Along West Wall						
	Top of Sump	8 to 15	0.5	1	0	20.5	0
	Inside West Tile	2	1.1	1	0	20.4	0
	Inside East Tile	2.5	0.5 to 1.0	1	0	21.3	0

TABLE 11

BASEMENT MONITORING RESULTS, OCTOBER 2 TO OCTOBER 11, 1992

DATE	LOCATION	FID (ppm unless noted otherwise)	PID (ppm)	LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)	IRGA LEL METHANE (Percent)
10/8/92	Hines Apartments						
	1715 Longview						
	Background (N. of Bldg)	3	0.2 to 0.5	0	0	20.8	0
	Below Entrance to Crawlspace	40	1.1	1	0	20.6	0
	Breathing Zone (South Side)	50	2.7	1	0	20.7	0
	Breathing Zone (North Side)	50	5.5	1	0	20.6	NM
10/11/92	Louis McCarley Residence						
	1630 W. Greenwood						
	Background (S. of Bldg)	4	0.2 to 0.5	0	0	20.8	NM
	Breathing Zone of Basement	5 to 7	0.2	1 (Drift)	0	20.6	NM
	Southwest Corner of Basement	7	0.2	1 (Drift)	0	20.5	NM
	Southeast Corner of Basement	5	0.2	1 (Drift)	0	20.6	NM
	Northwest Corner of Basement	7	0.2	1 (Drift)	0	20.5	NM
	Northeast Corner of Basement	5	0.2	1 (Drift)	0	20.6	NM
	Sump at Northeast Corner						
	Top of Sump	3.5	0.2	1 (Drift)	0	20.5	NM
	Inside Northwest Tile	2.5	0.2	1 (Drift)	0	20.6	NM
	Inside Southeast Tile	2	0.5	1 (Drift)	0	20.3	NM

NOTES:

* - Building does not have a sump.

** - 25 % LEL action level for evacuation was exceeded. No other measurements were taken at the time.

NM - Not measured

(83200538.wq1/llj)

TABLE 12

SUMMARY OF SOIL DATA
ANALYSES FOR SUBSURFACE SOIL SAMPLES

Boring No.	Sample Number	Sample Depth	USCS Classification	Natural Moisture %	Specific Gravity	Unit Weight Moisture	Wet	Dry	K (cm/sec)	Atterberg Results Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index
MWB-103A	1	8' - 10'	OH	160.52	2.26	160.52	76.4	29.33		98	61	37	2.687
MWB-103A	2	10 - 12'	OH	144.76	2.32	144.76	78.94	32.25	2.63E-08				
MWB-105A	1	10' - 12'	OH	70.03	2.45	88.52	84.11	44.61		59	52	7	2.51
MWB-105A	2	12' - 14'	CL	27.86	2.63	27.86	97.93	76.6	1.25E-07				
MWB-108B	1	12' - 14'	CL	20.96	2.71	20.96	128.28	106.06	7.55E-08				
MWB-109A	1	8' - 10'	CL	14.15						28	14	14	0.014

(83220535.wq1/llj)