START 9613444.1831

BO7GM6-DAT-193 0044236

DATA CHEM LABORATORIES
A SORENSON COMPANY

November 17, 1992

JUN 1996 RECEIVED EDMC

REPORT INTRODUCTION
ANALYTICAL COMMENTARY

SUBMITTED TO: Frank Gustafson

SUBMITTED BY: Joan J. Lambert

REFERENCE DATA:

Analysis of: 8 soil samples plus matrix spike and matrix spike duplicate

Method of Analysis: EPA 8240

Identification No.: S92-0846JJ

DataChem Laboratory No.: EL 4856 through EL 4863, EL 4859MS and EL 4859MSD

The above numbered samples were analyzed for volatile organics using EPA Method 8240 with modifications (SW-846; third edition; September 1986; U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response).

Five grams of the sample was weighed, heated and directly purged onto a 2-phase trap using a Dynatech PTA-30 autosampler. The desorbed organics were separated by a 2m x 2mm I.D. glass column packed with 1% SP-1000 on 60/80 mesh Carbopack B. The column oven was programmed from 45 degrees centigrade (held isothermal for 3 minutes) to 220 degrees centigrade at 8 degrees centigrade per minute. The resulting ions were scanned on a Finnigan 5100 GC/MS/DS from 35 to 300 every three seconds.

An internal standard method of quantitation was used. Internal standards were added to each sample and standard prior to analysis. Five standards were analyzed as prescribed by the method at 10, 20, 50, 100 and 200 micrograms/kilograms. System Performance Check Compounds were checked for a minimum response factor of 0.300, these compounds are chloromethane, bromoform (can be 0.250), 1,1-dichloroethane, chlorobenzene and 1,1,2,2-tetrachloroethane. Response factors from the initial calibration curve are used to calculate percent relative standard deviation (%RSD) for Calibration Check Compounds. These are toluene, 1,1-dichloroethene, chloroform, 1,2-dichloropropane, ethylbenzene, and vinyl chloride, the %RSD must be less than 30%. These Q.C. criteria were met for the initial calibration curve.

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Quantitation of each target compound is based on response factors from a 50 ug/Kg continuing calibration standard. Before sample analysis can begin, standardization requirements must be met. The response factors of System Performance Check Compounds must meet the minimum criteria of 0.300, except bromoform at 0.250, and the Calibration Check Compounds must be less than 25% difference with the average response from the initial calibration curve.

Tuning and calibration checks were made prior to sample analysis. A reagent blank was also analyzed prior to sample analysis to certify cleanliness of reagents. Before analysis, blanks were analyzed in each sparging unit to verify the cleanliness of the instrument sampling apparatus.

In addition, the following quality assurance procedures were routine; monitoring of internal standard absolute areas and retention times and measurement of surrogate standard recoveries.

DataChem will maintain a complete record of your data on magnetic tape including the ion chromatograms, mass spectra, and verification of compliance with EPA tuning (BFB).

The results for EPA Method 8240 are reported twice for each sample in the body of the report, first on the Summary Report and again on the Analytical Report (results by sample). The Analytical Report consists of two pages for each sample. Analytical standards have been analyzed for each compound on page one and the quantitative results are presented. The unknown compounds have been tentatively identified and are found on page two of the Analytical Report. The amount of each unknown present is estimated by comparison to an internal standard assuming the response factor to be one. Additionally, the footnotes on page two of the Analytical Report have been used to qualify the data reported.

The QC requirements for the orignal analysis of sample EL 4858 did not meet acceptance criteria. This sample was reanalyzed and the QC requirements still did not meet acceptance criteria. These results are attributed to possible matrix effect caused by the sample medium. The results reported in the Analytical Report for this sample are from the second analysis.

The matrix spike and matrix spike analyses were performed using sample EL 4859 (B07GN2). The spike analytes 1,1-dichloroethene, benzene, trichloroethene, toluene and chlorobenzene were spiked in at a concentration of 50 ug/Kg. These analytes are designated with an "S" or "SP" throughout the Analytical Report.

Joan J. Lambert

9613444.1833

EPA METHOD 8240
TARGET ANALYTE SUMMARY REPORT

Sponsor: WESTINGHOUSE-HANFORD CO.
DataChem Set ID: S92-0846JJ
Results: ug/Kg

Coumpound / Field ID: / DataChem No:	B07GM6 EL4856	B07GN0 EL4857	B07GN1 EL4858	B07GN2 EL4859
chloromethane	U	U	U	U
bromomethane	U	U	U	U
vinyl chloride	U	U	U	U
chloroethane	U	U	U	U
methylene chloride	U	U	1.3 J	U
acetone	67	31	46	31
carbon disulfide	U	U	U	U
trichlorofluoromethane	U	U	U	U
1,1-dichloroethene	U	U	U	U
1,1-dichloroethane	U	U	U	U
total-1,2-dichloroethene	U	U	U	U
chloroform	U	U	U	U
1,2-dichloroethane	U	U	U	U
iodomethane	U	U	U	U
acrolein	U	U	U	U
acrylonitrile	U	U	U	U
2-butanone	U	U	U	U
1,1,1-trichloroethane	U	U	U	U
carbon tetrachloride	U	U	U	U
vinyl acetate	U	U	U	U
bromodichloromethane	U	U	U	U
1,2-dichloropropane	U	U	U	U
cis-1,3-dichloropropene	U	U	U	U
trichloroethene	U	U	U	U
chlorodibromomethane	U	U	U	U
1,1,2-trichloroethane	U	U	U	U
benzene	U	U	U	U
trans-1,3-dichloropropene	U	U	U	U
2-chloroethylvinyl ether	U	U	U	U
bromoform	U	U	U	U
1,2-dibromoethane	U	U	U	U
dibromomethane	U	U	U	U
trans-1,4-dichloro-2-butene	U	U	U	U
4-methyl-2-pentanone	U	U	U	U
2-hexanone	U	U	U	U
tetrachloroethene	U	U	U	U
1,1,2,2-tetrachloroethane	U	U	U	U
toluene	U	U	2.6	U
chlorobenzene	U	U	U	U
ethylbenzene	U	U	U	U
styrene	U	U	U	U
total xylene	U	U	U	U
1,2,3-trichloropropane	U	U	U	U
ethyl methacrylate	U	U	U	U

Analyst Reviewer Data Release

9613444.1834

EPA METHOD 8240
TARGET ANALYTE SUMMARY REPORT

Sponsor: WESTINGHOUSE-HANFORD CO.
DataChem Set ID: S92-0846JJ
Results: ug/Kg

Coumpound / Field ID: / DataChem No:	B07GN4 EL4860	B07GN5 EL4861	B07GN7 EL4862	B07GN8 EL4863
chloromethane	U	U	U	U
bromomethane	U	U	U	U
vinyl chloride	U	U	U	U
chloroethane	U	U	U	U
methylene chloride	U	U	U	U
acetone	32	49	40	33
carbon disulfide	U	U	U	U
trichlorofluoromethane	U	U	U	U
1,1-dichloroethene	U	U	U	U
1,1-dichloroethane	U	U	U	U
total-1,2-dichloroethene	U	U	U	U
chloroform	U	U	U	U
1,2-dichloroethane	U	U	U	U
iodomethane	U	U	U	U
acrolein	U	U	U	U
acrylonitrile	U	U	U	U
2-butanone	U	U	U	U
1,1,1-trichloroethane	U	U	U	U
carbon tetrachloride	U	U	U	U
vinyl acetate	U	U	U	U
bromodichloromethane	U	U	U	U
1,2-dichloropropane	U	U	U	U
cis-1,3-dichloropropene	U	U	U	U
trichloroethene	U	U	U	U
chlorodibromomethane	U	U	U	U
1,1,2-trichloroethane	U	U	U	U
benzene	U	U	U	U
trans-1,3-dichloropropene	U	U	U	U
2-chloroethylvinyl ether	U	U	U	U
bromoform	U	U	U	U
1,2-dibromoethane	U	U	U	U
dibromomethane	U	U	U	U
trans-1,4-dichloro-2-butene	U	U	U	U
4-methyl-2-pentanone	U	U	U	U
2-hexanone	U	U	U	U
tetrachloroethene	U	U	U	U
1,1,2,2-tetrachloroethane	U	U	U	U
toluene	U	U	U	U
chlorobenzene	U	U	U	U
ethylbenzene	U	U	U	U
styrene	U	U	U	U
total xylene	U	U	U	U
1,2,3-trichloropropane	U	U	U	U
ethyl methacrylate	U	U	U	U

Analyst Reviewer Data Release

9613444.1835

EPA METHOD 8240
TARGET ANALYTE SUMMARY REPORT

Sponsor: WESTINGHOUSE-HANFORD CO.
DataChem Set ID: S92-0846JJ
Results: ug/Kg

Coumpound	Field ID: B07GN2MS DataChem No: EL4859MS	Field ID: B07GN2MSD DataChem No: EL4859MSD
chloromethane	U	U
bromomethane	U	U
vinyl chloride	U	U
chloroethane	U	U
methylene chloride	U	U
acetone	28	34
carbon disulfide	U	U
trichlorofluoromethane	U	U
1,1-dichloroethene	54 S	52 S
1,1-dichloroethane	U	U
total-1,2-dichloroethene	U	U
chloroform	U	U
1,2-dichloroethane	U	U
iodomethane	U	U
acrolein	U	U
acrylonitrile	U	U
2-butanone	U	U
1,1,1-trichloroethane	U	U
carbon tetrachloride	U	U
vinyl acetate	U	U
bromodichloromethane	U	U
1,2-dichloropropane	U	U
cis-1,3-dichloropropene	U	U
trichloroethene	60 S	58 S
chlorodibromomethane	U	U
1,1,2-trichloroethane	U	U
benzene	56 S	61 S
trans-1,3-dichloropropene	U	U
2-chloroethylvinyl ether	U	U
bromoform	U	U
1,2-dibromoethane	U	U
dibromomethane	U	U
trans-1,4-dichloro-2-butene	U	U
4-methyl-2-pentanone	U	U
2-hexanone	U	U
tetrachloroethene	U	U
1,1,2,2-tetrachloroethane	U	U
toluene	51 S	58 S
chlorobenzene	58 S	60 S
ethylbenzene	U	U
styrene	U	U
total xylene	U	U
1,2,3-trichloropropane	U	U
ethyl methacrylate	U	U

Analyst Reviewer Data Release

9615444.1836

ANALYTICAL REPORT FOR SAMPLE No. METHOD BLANK
EPA METHOD 8240
Target Analyte Results

Dil. factor 1

Field ID: -
File ID: PB45BLANK
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/03/92 21:26:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.3
74-83-9	bromomethane	U	2.1
9003-22-9	vinyl chloride	U	2.8
75-00-3	chloroethane	U	3.0
75-09-2	methylene chloride	U	3.3
67-64-1	acetone	37	2.8
75-15-0	carbon disulfide	U	1.8
75-69-4	trichlorofluoromethane	U	1.8
75-35-4	1,1-dichloroethene	U	1.6
75-34-3	1,1-dichloroethane	U	1.6
107-06-2	total-1,2-dichloroethene	U	2.1
76-66-3	chloroform	U	1.6
107-06-2	1,2-dichloroethane	U	1.0
74-88-4	iodomethane	U	2.1
107-02-8	acrolein	U	1.7
107-13-1	acrylonitrile	U	1.7
78-93-3	2-butanone	U	2.0
71-55-6	1,1,1-trichloroethane	U	1.1
56-23-5	carbon tetrachloride	U	1.1
108-05-4	vinyl acetate	U	2.6
75-27-4	bromodichloromethane	U	1.4
78-87-5	1,2-dichloropropane	U	1.2
542-75-6	cis-1,3-dichloropropene	U	1.8
79-01-6	trichloroethene	U	2.7
124-48-1	chlorodibromomethane	U	1.4
79-00-5	1,1,2-trichloroethane	U	1.9
71-43-2	benzene	U	1.4
542-75-6	trans-1,3-dichloropropene	U	1.8
110-75-8	2-chloroethylvinyl ether	U	1.7
75-25-2	bromoform	U	1.0
106-93-4	1,2-dibromoethane	U	1.4
74-95-3	dibromomethane	U	0.8
764-41-0	trans-1,4-dichloro-2-butene	U	1.4
108-10-1	4-methyl-2-pentanone	U	2.5
591-78-6	2-hexanone	5.6	1.8
127-18-4	tetrachloroethene	U	1.4
79-34-5	1,1,2,2-tetrachloroethane	U	1.3
108-88-3	toluene	U	1.4
108-90-7	chlorobenzene	U	1.2
100-41-4	ethylbenzene	U	1.1
100-42-5	styrene	U	2.1
1330-20-7	total xylene	U	0.9
96-18-4	1,2,3-trichloropropane	U	1.4
97-63-2	ethyl methacrylate	U	1.1

9615444.1857

ANALYTICAL REPORT FOR SAMPLE No. EL4856
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	6.49

Field ID: B07GM6
File ID: PB46EL4856
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/03/92 22:22:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.5
74-83-9	bromomethane	U	2.2
9003-22-9	vinyl chloride	U	3.0
75-00-3	chloroethane	U	3.2
75-09-2	methylene chloride	U	3.5
67-64-1	acetone	67	3.0
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.2
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.1
74-88-4	iodomethane	U	2.2
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.1
71-55-6	1,1,1-trichloroethane	U	1.2
56-23-5	carbon tetrachloride	U	1.2
108-05-4	vinyl acetate	U	2.8
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.3
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.9
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.0
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.1
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.8
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.7
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.4
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.3
100-41-4	ethylbenzene	U	1.2
100-42-5	styrene	U	2.2
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.2

ANALYITICAL REPORT FOR SAMPLE No. EL4856
NON-TARGET ANALYTES

Field ID.: B07GM6

CAS NUMBER	Compound Identification	Scan No.	Amount ug/KG	Footnotes
	NO UNKNOWNS			

Footnotes:

- B The analyte was found in the method blank. The reported results have been adjusted for the quantity found in in the blank.
- E The reported concentration is an estimate only. The response factor was assumed to be 1.0 relative to an internal standard.
- J Indicates an estimated concentration below the Detection Limit.
- K The isomer is unknown
- N Analytical standards were not analyzed for this compound.
- U Not detected
- W The identification is tentative or closely related to the compound.

9613444.1839

ANALYTICAL REPORT FOR SAMPLE No. EL4857
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	11.5

Field ID: B07GN0
File ID: PB47EL4857
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/03/92 22:55:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.7
74-83-9	bromomethane	U	2.4
9003-22-9	vinyl chloride	U	3.2
75-00-3	chloroethane	U	3.4
75-09-2	methylene chloride	U	3.7
67-64-1	acetone	31	3.2
75-15-0	carbon disulfide	U	2.0
75-69-4	trichlorofluoromethane	U	2.0
75-35-4	1,1-dichloroethene	U	1.8
75-34-3	1,1-dichloroethane	U	1.8
107-06-2	total-1,2-dichloroethene	U	2.4
76-66-3	chloroform	U	1.8
107-06-2	1,2-dichloroethane	U	1.1
74-88-4	iodomethane	U	2.4
107-02-8	acrolein	U	1.9
107-13-1	acrylonitrile	U	1.9
78-93-3	2-butanone	U	2.3
71-55-6	1,1,1-trichloroethane	U	1.2
56-23-5	carbon tetrachloride	U	1.2
108-05-4	vinyl acetate	U	2.9
75-27-4	bromodichloromethane	U	1.6
78-87-5	1,2-dichloropropane	U	1.4
542-75-6	cis-1,3-dichloropropene	U	2.0
79-01-6	trichloroethene	U	3.1
124-48-1	chlorodibromomethane	U	1.6
79-00-5	1,1,2-trichloroethane	U	2.1
71-43-2	benzene	U	1.6
542-75-6	trans-1,3-dichloropropene	U	2.0
110-75-8	2-chloroethylvinyl ether	U	1.9
75-25-2	bromoform	U	1.1
106-93-4	1,2-dibromoethane	U	1.6
74-95-3	dibromomethane	U	0.9
764-41-0	trans-1,4-dichloro-2-butene	U	1.6
108-10-1	4-methyl-2-pentanone	U	2.8
591-78-6	2-hexanone	U	2.0
127-18-4	tetrachloroethene	U	1.6
79-34-5	1,1,2,2-tetrachloroethane	U	1.5
108-88-3	toluene	U	1.6
108-90-7	chlorobenzene	U	1.4
100-41-4	ethylbenzene	U	1.2
100-42-5	styrene	U	2.4
1330-20-7	total xylene	U	1.1
96-18-4	1,2,3-trichloropropane	U	1.6
97-63-2	ethyl methacrylate	U	1.2

ANALYITICAL REPORT FOR SAMPLE No. EL4857
NON-TARGET ANALYTES

Field ID.: B07GN0

CAS NUMBER	Compound Identification	Scan No.	Amount ug/KG	Footnotes
	NO UNKNOWNS			

Footnotes:

- B The analyte was found in the method blank. The reported results have been adjusted for the quantity found in in the blank.
- E The reported concentration is an estimate only. The response factor was assumed to be 1.0 relative to an internal standard.
- J Indicates an estimated concentration below the Detection Limit.
- K The isomer is unknown
- N Analytical standards were not analyzed for this compound.
- U Not detected
- W The identification is tentative or closely related to the compound.

9613444.1841

ANALYTICAL REPORT FOR SAMPLE No. EL4858
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	10.62

Field ID: B07GN1
File ID: PB56EL4858
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 4:14:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.7
74-83-9	bromomethane	U	2.3
9003-22-9	vinyl chloride	U	3.1
75-00-3	chloroethane	U	3.4
75-09-2	methylene chloride	1.3 J	3.7
67-64-1	acetone	46	3.1
75-15-0	carbon disulfide	U	2.0
75-69-4	trichlorofluoromethane	U	2.0
75-35-4	1,1-dichloroethene	U	1.8
75-34-3	1,1-dichloroethane	U	1.8
107-06-2	total-1,2-dichloroethene	U	2.3
76-66-3	chloroform	U	1.8
107-06-2	1,2-dichloroethane	U	1.1
74-88-4	iodomethane	U	2.3
107-02-8	acrolein	U	1.9
107-13-1	acrylonitrile	U	1.9
78-93-3	2-butanone	U	2.2
71-55-6	1,1,1-trichloroethane	U	1.2
56-23-5	carbon tetrachloride	U	1.2
108-05-4	vinyl acetate	U	2.9
75-27-4	bromodichloromethane	U	1.6
78-87-5	1,2-dichloropropane	U	1.3
542-75-6	cis-1,3-dichloropropene	U	2.0
79-01-6	trichloroethene	U	3.0
124-48-1	chlorodibromomethane	U	1.6
79-00-5	1,1,2-trichloroethane	U	2.1
71-43-2	benzene	U	1.6
542-75-6	trans-1,3-dichloropropene	U	2.0
110-75-8	2-chloroethylvinyl ether	U	1.9
75-25-2	bromoform	U	1.1
106-93-4	1,2-dibromoethane	U	1.6
74-95-3	dibromomethane	U	0.9
764-41-0	trans-1,4-dichloro-2-butene	U	1.6
108-10-1	4-methyl-2-pentanone	U	2.8
591-78-6	2-hexanone	U	2.0
127-18-4	tetrachloroethene	U	1.6
79-34-5	1,1,2,2-tetrachloroethane	U	1.5
108-88-3	toluene	2.6	1.6
108-90-7	chlorobenzene	U	1.3
100-41-4	ethylbenzene	U	1.2
100-42-5	styrene	U	2.3
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.6
97-63-2	ethyl methacrylate	U	1.2

ANALYITICAL REPORT FOR SAMPLE No. EL4858
NON-TARGET ANALYTES

Field ID.: B07GN1

CAS NUMBER	Compound Identification	Scan No.	Amount ug/KG	Footnotes
	NO UNKNOWNS			

Footnotes:

- B The analyte was found in the method blank. The reported results have been adjusted for the quantity found in in the blank.
- E The reported concentration is an estimate only. The response factor was assumed to be 1.0 relative to an internal standard.
- J Indicates an estimated concentration below the Detection Limit.
- K The isomer is unknown
- N Analytical standards were not analyzed for this compound.
- U Not detected
- W The identification is tentative or closely related to the compound.

9615444.1845

ANALYTICAL REPORT FOR SAMPLE No. EL4859
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	7.37

Field ID: B07GN2
File ID: PB49EL4859
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 0:03:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.6
74-83-9	bromomethane	U	2.3
9003-22-9	vinyl chloride	U	3.0
75-00-3	chloroethane	U	3.2
75-09-2	methylene chloride	U	3.6
67-64-1	acetone	31	3.0
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.3
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.1
74-88-4	iodomethane	U	2.3
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.2
71-55-6	1,1,1-trichloroethane	U	1.2
56-23-5	carbon tetrachloride	U	1.2
108-05-4	vinyl acetate	U	2.8
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.3
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.9
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.1
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.1
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.9
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.7
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.4
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.3
100-41-4	ethylbenzene	U	1.2
100-42-5	styrene	U	2.3
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.2

9615444.1844

ANALYITICAL REPORT FOR SAMPLE No. EL4859
NON-TARGET ANALYTES

Field ID.: B07GN2

CAS NUMBER	Compound Identification	Scan No.	Amount ug/KG	Footnotes
	NO UNKNOWNS			

Footnotes:

- B The analyte was found in the method blank. The reported results have been adjusted for the quantity found in in the blank.
- E The reported concentration is an estimate only. The response factor was assumed to be 1.0 relative to an internal standard.
- J Indicates an estimated concentration below the Detection Limit.
- K The isomer is unknown
- N Analytical standards were not analyzed for this compound.
- U Not detected
- W The identification is tentative or closely related to the compound.

9613444.1845

ANALYTICAL REPORT FOR SAMPLE No. EL4860
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	3.86

Field ID: B07GN4
File ID: PB50EL4860
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 0:37:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.4
74-83-9	bromomethane	U	2.2
9003-22-9	vinyl chloride	U	2.9
75-00-3	chloroethane	U	3.1
75-09-2	methylene chloride	U	3.4
67-64-1	acetone	32	2.9
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.2
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.0
74-88-4	iodomethane	U	2.2
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.1
71-55-6	1,1,1-trichloroethane	U	1.1
56-23-5	carbon tetrachloride	U	1.1
108-05-4	vinyl acetate	U	2.7
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.2
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.8
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.0
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.0
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.8
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.6
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.4
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.2
100-41-4	ethylbenzene	U	1.1
100-42-5	styrene	U	2.2
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.1

ANALYITICAL REPORT FOR SAMPLE No. EL4860
NON-TARGET ANALYTES

Field ID.: B07GN4

CAS NUMBER	Compound Identification	Scan No.	Amount ug/KG	Footnotes
	NO UNKNOWNS			

Footnotes:

- B The analyte was found in the method blank. The reported results have been adjusted for the quantity found in in the blank.
- E The reported concentration is an estimate only. The response factor was assumed to be 1.0 relative to an internal standard.
- J Indicates an estimated concentration below the Detection Limit.
- K The isomer is unknown
- N Analytical standards were not analyzed for this compound.
- U Not detected
- W The identification is tentative or closely related to the compound.

9613444.1847

ANALYTICAL REPORT FOR SAMPLE No. EL4861
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	3.6

Field ID: B07GN5
File ID: PB67EL4861
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 19:11:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.4
74-83-9	bromomethane	U	2.2
9003-22-9	vinyl chloride	U	2.9
75-00-3	chloroethane	U	3.1
75-09-2	methylene chloride	U	3.4
67-64-1	acetone	49	2.9
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.2
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.0
74-88-4	iodomethane	U	2.2
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.1
71-55-6	1,1,1-trichloroethane	U	1.1
56-23-5	carbon tetrachloride	U	1.1
108-05-4	vinyl acetate	U	2.7
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.2
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.8
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.0
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.0
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.8
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.6
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.3
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.2
100-41-4	ethylbenzene	U	1.1
100-42-5	styrene	U	2.2
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.1

ANALYITICAL REPORT FOR SAMPLE No. EL4861
NON-TARGET ANALYTES

Field ID.: B07GN5

CAS NUMBER	Compound Identification	Scan No.	Amount ug/KG	Footnotes
	NO UNKNOWNS			

Footnotes:

- B The analyte was found in the method blank. The reported results have been adjusted for the quantity found in in the blank.
- E The reported concentration is an estimate only. The response factor was assumed to be 1.0 relative to an internal standard.
- J Indicates an estimated concentration below the Detection Limit.
- K The isomer is unknown
- N Analytical standards were not analyzed for this compound.
- U Not detected
- W The identification is tentative or closely related to the compound.

9613444.1849

ANALYTICAL REPORT FOR SAMPLE No. EL4862
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	7.69

Field ID: B07GN7
File ID: PB52EL4862
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 1:47:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.6
74-83-9	bromomethane	U	2.3
9003-22-9	vinyl chloride	U	3.0
75-00-3	chloroethane	U	3.2
75-09-2	methylene chloride	U	3.6
67-64-1	acetone	40	3.0
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.3
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.1
74-88-4	iodomethane	U	2.3
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.2
71-55-6	1,1,1-trichloroethane	U	1.2
56-23-5	carbon tetrachloride	U	1.2
108-05-4	vinyl acetate	U	2.8
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.3
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.9
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.1
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.1
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.9
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.7
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.4
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.3
100-41-4	ethylbenzene	U	1.2
100-42-5	styrene	U	2.3
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.2

ANALYITICAL REPORT FOR SAMPLE No. EL4862
NON-TARGET ANALYTES

Field ID.: B07GN7

CAS NUMBER	Compound Identification	Scan No.	Amount ug/KG	Footnotes
	NO UNKNOWNS			

Footnotes:

- B The analyte was found in the method blank. The reported results have been adjusted for the quantity found in in the blank.
- E The reported concentration is an estimate only. The response factor was assumed to be 1.0 relative to an internal standard.
- J Indicates an estimated concentration below the Detection Limit.
- K The isomer is unknown
- N Analytical standards were not analyzed for this compound.
- U Not detected
- W The identification is tentative or closely related to the compound.

9613444.1851

ANALYTICAL REPORT FOR SAMPLE No. EL4863
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	4.06

Field ID: B07GN8
File ID: PB53EL4863
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 2:24:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.4
74-83-9	bromomethane	U	2.2
9003-22-9	vinyl chloride	U	2.9
75-00-3	chloroethane	U	3.1
75-09-2	methylene chloride	U	3.4
67-64-1	acetone	33	2.9
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.2
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.0
74-88-4	iodomethane	U	2.2
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.1
71-55-6	1,1,1-trichloroethane	U	1.1
56-23-5	carbon tetrachloride	U	1.1
108-05-4	vinyl acetate	U	2.7
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.3
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.8
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.0
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.0
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.8
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.6
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.4
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.3
100-41-4	ethylbenzene	U	1.1
100-42-5	styrene	U	2.2
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.1

ANALYITICAL REPORT FOR SAMPLE No. EL4863
NON-TARGET ANALYTES

Field ID.: B07GN8

CAS NUMBER	Compound Identification	Scan No.	Amount ug/KG	Footnotes
	NO UNKNOWNS			

Footnotes:

- B The analyte was found in the method blank. The reported results have been adjusted for the quantity found in in the blank.
- E The reported concentration is an estimate only. The response factor was assumed to be 1.0 relative to an internal standard.
- J Indicates an estimated concentration below the Detection Limit.
- K The isomer is unknown
- N Analytical standards were not analyzed for this compound.
- U Not detected
- W The identification is tentative or closely related to the compound.

9613444.1455

ANALYTICAL REQUEST FORM

DATA CHEM LABORATORIES

1. ☐ REGULAR Status

☐ RUSH Status Requested - ADDITIONAL CHARGE

RESULTS REQUIRED BY _____ DATE

CONTACT DATACHEM LABS PRIOR TO SENDING SAMPLES.

2. Date 10-22-92 Purchase Order No. _____

3. Company Name Westinghouse Hanford Co.

Address PO Box 1970

Richland WA 99352

Person to Contact Frank Gustafson

Telephone (509) 376-1736

Fax Telephone (509) 376-6476

Billing Address (if different from above)

4. Sample Collection

Sampling Site North Slope PSN04

Industrial Process _____

Date of Collection 21/26 Oct 92

Time Collected See Bottles

Date of Shipment 10-22-92

Chain of Custody No. N/A

5. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Media Type*	Sample Volume (Liters)	ANALYSES REQUESTED - Use Method Number if Known
EL 4856	BØ7GM6	Soil	each sample:	Glass Septum 120 ml: VOA (8240)
4857	BØ7GNØ			Amber glass 250 ml: Semi-VOA (8270)
4858	BØ7GN1			PCB/Pest. (8080) Phosphorus
4859	BØ7GN2			Pest (8140) Herbicides (8150)
4860	B07GN4			Amber glass 120 ml: ICP Metals (6010)
4861	B07GN5			AA Metals - As (7060) Pb (7420)
4862	B07GN7			Se (7740) Tl (7840) Hg (7471)
4863	B07GN8			Amber glass 120 ml: F, Cl, PO_4, SO_4 by (EPA 300.0) NO_2, NO_3 by (EPA
				353.3) Chromium VI by (EPA
				218.4)
				Amber glass 120 ml: TPH (EPA 418.1)

*Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk Sample; Blood/Urine; Tissue; Soil; Water; Other

6. Q C REQUIREMENTS

MUST BE COMPLETED - See General Services Terms and Conditions: QC samples billed at regular sample rate

☐ METHOD QC SAMPLES (Lab QC according to published methods)

☐ PROJECT PLAN QC SAMPLES (Lab QC according to provided QA/QC Plan)

☐ NO QC SAMPLES REQUESTED (May not conform to Agency requirements)

☐ OTHER (as specified below)

Comments RCRA samples, Store 4°C

Possible Contamination and/or Chemical Hazards _____

7. Requested by _____

960 West LeVoy Drive / Salt Lake City, UT 84123 800-356-9135 or 801-266-7700 / FAX: 801-268-9992
4388 Glendale-Milford Road / Cincinnati, OH 45242 800-458-1493 or 513-733-5336 / FAX: 513-733-5347

DATACHEM LABORATORIES - A SORENSON COMPANY

DISTRIBUTION: WHITE - LABORATORY COPY CANARY - CUSTOMER COPY

Westinghouse Hanford Company 9615444.1854

CHAIN OF CUSTODY

Custody Form Initiator FRANK GUSTAFSON

Company Contact FRANK GUSTAFSON

Telephone (509) 376-1736

Project Designation/Sampling Locations NORTH SLOPE - PSN-04

Collection Date 10-20-92 10-21-92

Ice Chest No. RM # 82

Field Logbook No. EFL-1031

Bill of Lading/Airbill No. 250 986 5886

Offsite Property No. W23-0-0002 #28

Method of Shipment Emery

Shipped to DATA CHEM

Possible Sample Hazards/Remarks N/A

Sample Identification

BØ76M6 (3) AMBER GLASS 120ml,	(1) 120 w/ SEPTUM, (1) 250 AMBER GLASS
BØ76M7	
BØ76NØ	
BØ76N1	
BØ76N2	
BØ76N3	
BØ76M8	(1) 1000ml AMBER GLASS

☐ Field Transfer of Custody

CHAIN OF POSSESSION (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
10/27/92 F.W. Gustafson		10-29-92 / 1200
Relinquished by:	Received by:	Date/Time:
Relinquished by:	Received by:	Date/Time:
Relinquished by:	Received by:	Date/Time:

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

A-6000-407 (12/90)

9613444.1855

DATA CHEM
LABORATORIES
A SORENSON COMPANY

December 9, 1992

REPORT INTRODUCTION
ANALYTICAL COMMENTARY

SUBMITTED TO: Jeanette Duncan

SUBMITTED BY: Amy M. Fossett

REFERENCE DATA:

Analysis of: 10 soil samples, including a matrix spike and duplicate

Method of Analysis: EPA 8270 with modifications

Identification No: S92-0846-IJ

DataChem Laboratory No: EL4856, EL4857, EL4857MS, EL4857MD, EL4858, EL4859, EL4860, EL4861, EL4862, EK4863

The above numbered samples were analyzed for base-neutral and acid compounds by gas chromatography/mass spectrometry. EPA Test Method 8270 was followed with modifications. (United States Environmental Protection Agency; Office of Solid Waste and Emergency Response, SW-846 November 1986).

EPA Method 3550 was used for preparation of the samples prior to analysis. Thirty grams of each soil sample were extracted with methylene chloride using sonication. Surrogate standards were added prior to the extraction as prescribed. The total volume of the samples after extraction and concentration was one milliliter. Internal standards were added to each sample and standard mixtures prior to analysis. This set was batched with DCL set S92-0853-DD for extraction.

Separation of the compounds of interest was obtained with a 30 m, 0.32 mm internal diameter, DB-5 fused silica capillary column. Oven temperature was programmed from 40 degrees centigrade (held isothermal for 4 minutes) to 300 degrees centigrade at 10 degrees centigrade per minute. A 40 second splitless injection interval was used. Analysis was performed using a Finnigan 5100 GC/MS/DS system, scanning a mass range of 35 to 500 amu each second.

SALT LAKE CITY OFFICE
960 WEST LeVOY DRIVE
SALT LAKE CITY, UTAH 84123-2547
801 266-7700, FAX 801 268-9992

CINCINNATI OFFICE
4388 GLENDALE-MILFORD ROAD
CINCINNATI, OHIO 45242-3706
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10 JULIET LANE, SUITE #203
BALTIMORE, MARYLAND 21236-1220
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313 WELLSIAN WAY
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The initial calibration of the instrument was performed at concentrations of 160, 120, 80, 50 and 20 ug/mL. Calibration check compounds (CCC's) specified by the method are acenaphthene, 1,4-dichlorobenzene, hexachlorobutadiene, N-nitroso-di-n-phenylamine, di-n-octylphthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4-dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, and 2,4,6-trichlorophenol. The relative standard deviations for the CCC's in the initial standards were less than the 30% criteria required by the method. System performance check compounds (SPCC's) specified in the method are N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol. The minimum response factors (RF) for the SPCC's were greater than the 0.050 required in the method.

The continuing calibration of the instrument was performed at a concentration of 50 ug/mL for all compounds. The response factors for all CCC's were less than the maximum percent difference of 25% compared to the initial curve and SPCC's response factors were greater than the minimum RF of 0.050. DFTPP performance criteria was met for all sample and standard analyses.

DataChem Laboratories will maintain a complete record of this data on magnetic tape along with hard copies of the ion chromatograms, mass spectra, surrogate recovery summary, and verification of compliance with EPA tuning (DFTPP) and chromatography criteria.

Surrogate recoveries were monitored and are reported at the end of the report package. Surrogate recoveries are within QC limits.

Matrix spiking was performed an EL4857. Matrix spike recoveries are within QC limits and reproducibility is excellent. Matrix spike compounds are given the footnote, S, throughout the report.

Aldol condensation products reported in the blank and samples are products of the extraction procedure. These compounds are given the footnote, A.

The results for the sample are reported twice in the report; first on the Target Analyte Summary Report and again on the Analytical Report (results by sample). The report follows.

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TARGET ANALYTE SUMMARY REPORT

EPA METHOD 8270, 3rd ED.

Sponsor: WESTINGHOUSE HANFORD COMPANY SET ID: S92- 0846-IJ

Results: ug/Kg

Field No.	B07GM6	B07GN0	B07GN0MS	B07GN0MSD	METHOD BLANK
DataChem No.	EL4856	EL4857	EL4857MS	EL4857MD	
COMPOUND					
N-nitroso-dimethylamine	U	U	U	U	U
phenol	U	U	5.6E+03 S	6.0E+03 S	U
bis(2-chloroethyl)ether	U	U	U	U	U
2-chlorophenol	U	U	6.7E+03 S	6.8E+03 S	U
1,3-dichlorobenzene	U	U	U	U	U
1,4-dichlorobenzene	U	U	3.0E+03 S	3.1E+03 S	U
benzyl alcohol	U	U	U	U	U
1,2-dichlorobenzene	U	U	U	U	U
2-methylphenol	U	U	U	U	U
bis(2-chloroisopropyl)ether	U	U	U	U	U
4-methylphenol	U	U	U	U	U
N-nitroso-di-n-propylamine	U	U	3.1E+03 S	3.2E+03 S	U
hexachloroethane	U	U	U	U	U
nitrobenzene	U	U	U	U	U
isophorone	U	U	U	U	U
2-nitrophenol	U	U	U	U	U
2,4-dimethylphenol	U	U	U	U	U
bis(2-chloroethoxy)methane	U	U	U	U	U
benzoic acid	U	U	U	U	U
2,4-dichlorophenol	U	U	U	U	U
1,2,4-trichlorobenzene	U	U	3.0E+03 S	3.2E+03 S	U
naphthalene	U	U	U	U	U
4-chloroaniline	U	U	U	U	U
hexachlorobutadiene	U	U	U	U	U
4-chloro-3-methylphenol	U	U	6.6E+03 S	6.9E+03 S	U
2-methylnaphthalene	U	U	U	U	U
hexachlorocyclopentadiene	U	U	U	U	U
2,4,6-trichlorophenol	U	U	U	U	U
2,4,5-trichlorophenol	U	U	U	U	U
2-chloronaphthalene	U	U	U	U	U
2-nitroaniline	U	U	U	U	U
dimethyl phthalate	U	U	U	U	U
2,6-dinitrotoluene	U	U	U	U	U
acenaphthylene	U	U	U	U	U
3-nitroaniline	U	U	U	U	U
acenaphthene	U	U	3.1E+03 S	3.2E+03 S	U
2,4-dinitrophenol	U	U	U	U	U
4-nitrophenol	U	U	6.6E+03 S	7.5E+03 S	U
dibenzofuran	U	U	U	U	U

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TARGET ANALYTE SUMMARY REPORT

EPA METHOD 8270, 3rd ED.

Sponsor: WESTINGHOUSE HANFORD COMPANY SET ID: S92- 0846-IJ

Results: ug/Kg

Field No.	B07GM6	B07GN0	B07GN0MS	B07GN0MSD	METHOD BLANK
DataChem No.	EL4856	EL4857	EL4857MS	EL4857MD	
COMPOUND					
2,4-dinitrotoluene	U	U	3.5E+03 S	3.9E+03 S	U
diethyl phthalate	U	U	U	U	U
4-chlorophenyl-phenylether	U	U	U	U	U
fluorene	U	U	U	U	U
4-nitroaniline	U	U	U	U	U
2-methyl-4,6-dinitrophenol	U	U	U	U	U
N-nitroso-diphenylamine	U	U	U	U	U
1,2-diphenylhydrazine	U	U	U	U	U
4-bromophenyl-phenylether	U	U	U	U	U
.alpha.-BHC	U	U	U	U	U
beta-BHC	U	U	U	U	U
hexachlorobenzene	U	U	U	U	U
pentachlorophenol	U	U	4.8E+03 S	5.2E+03 S	U
.gamma.-BHC	U	U	U	U	U
phenanthrene	U	U	U	U	U
anthracene	U	U	U	U	U
delta-BHC	U	U	U	U	U
heptachlor	U	U	U	U	U
di-n-butyl phthalate	U	U	U	U	U
aldrin	U	U	U	U	U
heptachlor epoxide	U	U	U	U	U
fluoranthene	U	U	U	U	U
pyrene	U	U	3.4E+03 S	3.5E+03 S	U
endosulfan I	U	U	U	U	U
4,4'DDE	U	U	U	U	U
dieldrin	U	U	U	U	U
endrin aldehyde	U	U	U	U	U
endrin	U	U	U	U	U
4,4'DDD	U	U	U	U	U
endosulfan II	U	U	U	U	U
butylbenzylphthalate	U	U	U	U	U
4,4'DDT	U	U	U	U	U
endosulfan sulfate	U	U	U	U	U
p,p'-methoxychlor	U	U	U	U	U
3,3'-dichlorobenzidine	U	U	U	U	U
benzo(a)anthracene	U	U	U	U	U
bis(2-ethylhexyl)phthalate	U	U	U	U	U
chrysene	U	U	U	U	U
di-n-octylphthalate	U	U	U	U	U

TARGET ANALYTE SUMMARY REPORT

EPA METHOD 8270, 3rd ED.

Sponsor: WESTINGHOUSE HANFORD COMPANY SET ID: S92- 0846-IJ

Results: ug/Kg

Field No.	B07GM6	B07GN0	B07GN0MS	B07GN0MSD	METHOD BLANK
DataChem No.	EL4856	EL4857	EL4857MS	EL4857MD	
COMPOUND					
benzo(b)fluoranthene	U	U	U	U	U
benzo(k)fluoranthene	U	U	U	U	U
benzo(a)pyrene	U	U	U	U	U
indeno(1,2,3-cd)pyrene	U	U	U	U	U
dibenzo(a,h)anthracene	U	U	U	U	U
benzo(g,h,i)perylene	U	U	U	U	U
endrin ketone	U	U	U	U	U
2-picoline	U	U	U	U	U
ethyl methanesulfonate	U	U	U	U	U
methyl methanesulfonate	U	U	U	U	U
aniline	U	U	U	U	U
acetophenone	U	U	U	U	U
N-nitroso-piperidine	U	U	U	U	U
a,a-dimethylphenethylamine	U	U	U	U	U
2,6-dichlorophenol	U	U	U	U	U
N-nitroso-di-n-butylamine	U	U	U	U	U
1,2,4,5-tetrachlorobenzene	U	U	U	U	U
1-chloronaphthalene	U	U	U	U	U
pentachlorobenzene	U	U	U	U	U
1-naphthylamine	U	U	U	U	U
2,3,4,6-tetrachlorophenol	U	U	U	U	U
2-naphthylamine	U	U	U	U	U
phenacetin	U	U	U	U	U
4-aminobiphenyl	U	U	U	U	U
pronamide (propyzamide)	U	U	U	U	U
pentachloronitrobenzene	U	U	U	U	U
benzidine	U	U	U	U	U
p-dimethylaminoazobenzene	U	U	U	U	U
7,12-dimethbenz(a)anthracene	U	U	U	U	U
3-methylchloranthrene	U	U	U	U	U
chlordane	U	U	U	U	U
toxaphene	U	U	U	U	U
PCB-1016	U	U	U	U	U
PCB-1221	U	U	U	U	U
PCB-1232	U	U	U	U	U
PCB-1242	U	U	U	U	U
PCB-1248	U	U	U	U	U
PCB-1254	U	U	U	U	U
PCB-1260	U	U	U	U	U

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TARGET ANALYTE SUMMARY REPORT

EPA METHOD 8270, 3rd ED.

Sponsor: WESTINGHOUSE HANFORD COMPANY SET ID: S92- 0846-IJ

Results: ug/Kg

Field No.	B07GN1	B07GN2	B07GN4	B07GN5	METHOD BLANK
DataChem No.	EL4858	EL4859	EL4860	EL4861	
COMPOUND					
N-nitroso-dimethylamine	U	U	U	U	U
phenol	U	U	U	U	U
bis(2-chloroethyl)ether	U	U	U	U	U
2-chlorophenol	U	U	U	U	U
1,3-dichlorobenzene	U	U	U	U	U
1,4-dichlorobenzene	U	U	U	U	U
benzyl alcohol	U	U	U	U	U
1,2-dichlorobenzene	U	U	U	U	U
2-methylphenol	U	U	U	U	U
bis(2-chloroisopropyl)ether	U	U	U	U	U
4-methylphenol	U	U	U	U	U
N-nitroso-di-n-propylamine	U	U	U	U	U
hexachloroethane	U	U	U	U	U
nitrobenzene	U	U	U	U	U
isophorone	U	U	U	U	U
2-nitrophenol	U	U	U	U	U
2,4-dimethylphenol	U	U	U	U	U
bis(2-chloroethoxy)methane	U	U	U	U	U
benzoic acid	U	U	U	U	U
2,4-dichlorophenol	U	U	U	U	U
1,2,4-trichlorobenzene	U	U	U	U	U
naphthalene	U	U	U	U	U
4-chloroaniline	U	U	U	U	U
hexachlorobutadiene	U	U	U	U	U
4-chloro-3-methylphenol	U	U	U	U	U
2-methylnaphthalene	U	U	U	U	U
hexachlorocyclopentadiene	U	U	U	U	U
2,4,6-trichlorophenol	U	U	U	U	U
2,4,5-trichlorophenol	U	U	U	U	U
2-chloronaphthalene	U	U	U	U	U
2-nitroaniline	U	U	U	U	U
dimethyl phthalate	U	U	U	U	U
2,6-dinitrotoluene	U	U	U	U	U
acenaphthylene	U	U	U	U	U
3-nitroaniline	U	U	U	U	U
acenaphthene	U	U	U	U	U
2,4-dinitrophenol	U	U	U	U	U
4-nitrophenol	U	U	U	U	U
dibenzofuran	U	U	U	U	U

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TARGET ANALYTE SUMMARY REPORT

EPA METHOD 8270, 3rd ED.

Sponsor: WESTINGHOUSE HANFORD COMPANY SET ID: S92- 0846-IJ

Results: ug/Kg

Field No.	B07GN1	B07GN2	B07GN4	B07GN5	METHOD BLANK
DataChem No.	EL4858	EL4859	EL4860	EL4861	
COMPOUND					
2,4-dinitrotoluene	U	U	U	U	U
diethyl phthalate	U	9.7E+02	U	U	U
4-chlorophenyl-phenylether	U	U	U	U	U
fluorene	U	U	U	U	U
4-nitroaniline	U	U	U	U	U
2-methyl-4,6-dinitrophenol	U	U	U	U	U
N-nitroso-diphenylamine	U	U	U	U	U
1,2-diphenylhydrazine	U	U	U	U	U
4-bromophenyl-phenylether	U	U	U	U	U
.alpha.-BHC	U	U	U	U	U
beta-BHC	U	U	U	U	U
hexachlorobenzene	U	U	U	U	U
pentachlorophenol	U	U	U	U	U
.gamma.-BHC	U	U	U	U	U
phenanthrene	U	9.5E+01 J	U	U	U
anthracene	U	U	U	U	U
delta-BHC	U	U	U	U	U
heptachlor	U	U	U	U	U
di-n-butyl phthalate	5.4E+01 J	U	U	U	U
aldrin	U	U	U	U	U
heptachlor epoxide	U	U	U	U	U
fluoranthene	U	2.2E+02 J	U	U	U
pyrene	U	2.4E+02 J	U	U	U
endosulfan I	U	U	U	U	U
4,4'DDE	U	U	U	U	U
dieldrin	U	U	U	U	U
endrin aldehyde	U	U	U	U	U
endrin	U	U	U	U	U
4,4'DDD	U	U	U	U	U
endosulfan II	U	U	U	U	U
butylbenzylphthalate	U	U	U	U	U
4,4'DDT	U	U	U	U	U
endosulfan sulfate	U	U	U	U	U
p,p'-methoxychlor	U	U	U	U	U
3,3'-dichlorobenzidine	U	U	U	U	U
benzo(a)anthracene	U	2.2E+02 J	U	U	U
bis(2-ethylhexyl)phthalate	U	U	U	U	U
chrysene	U	3.1E+02 J	U	U	U
di-n-octylphthalate	U	U	U	U	U

TARGET ANALYTE SUMMARY REPORT

EPA METHOD 8270, 3rd ED.

Sponsor: WESTINGHOUSE HANFORD COMPANY SET ID: S92- 0846-IJ

Results: ug/Kg

Field No.	B07GN1	B07GN2	B07GN4	B07GN5	METHOD BLANK
DataChem No.	EL4858	EL4859	EL4860	EL4861	
COMPOUND					
benzo(b)fluoranthene	U	4.0E+02	U	U	U
benzo(k)fluoranthene	U	3.4E+02 J	U	U	U
benzo(a)pyrene	U	3.6E+02	U	U	U
indeno(1,2,3-cd)pyrene	U	3.9E+02	U	U	U
dibenzo(a,h)anthracene	U	1.4E+02 J	U	U	U
benzo(g,h,i)perylene	U	4.5E+02	U	U	U
endrin ketone	U	U	U	U	U
2-picoline	U	U	U	U	U
ethyl methanesulfonate	U	U	U	U	U
methyl methanesulfonate	U	U	U	U	U
aniline	U	U	U	U	U
acetophenone	U	U	U	U	U
N-nitroso-piperidine	U	U	U	U	U
a,a-dimethylphenethylamine	U	U	U	U	U
2,6-dichlorophenol	U	U	U	U	U
N-nitroso-di-n-butylamine	U	U	U	U	U
1,2,4,5-tetrachlorobenzene	U	U	U	U	U
1-chloronaphthalene	U	U	U	U	U
pentachlorobenzene	U	U	U	U	U
1-naphthylamine	U	U	U	U	U
2,3,4,6-tetrachlorophenol	U	U	U	U	U
2-naphthylamine	U	U	U	U	U
phenacetin	U	U	U	U	U
4-aminobiphenyl	U	U	U	U	U
pronamide (propyzamide)	U	U	U	U	U
pentachloronitrobenzene	U	U	U	U	U
benzidine	U	U	U	U	U
p-dimethylaminoazobenzene	U	U	U	U	U
7,12-dimethbenz(a)anthracene	U	U	U	U	U
3-methylchloranthrene	U	U	U	U	U
chlordane	U	U	U	U	U
toxaphene	U	U	U	U	U
PCB-1016	U	U	U	U	U
PCB-1221	U	U	U	U	U
PCB-1232	U	U	U	U	U
PCB-1242	U	U	U	U	U
PCB-1248	U	U	U	U	U
PCB-1254	U	U	U	U	U
PCB-1260	U	U	U	U	U

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TARGET ANALYTE SUMMARY REPORT

EPA METHOD 8270, 3rd ED.

Sponsor: WESTINGHOUSE HANFORD COMPANY SET ID: S92- 0846-IJ

Results: ug/Kg

Field No.	B07GN7	B07GN8			METHOD BLANK
DataChem No.	EL4862	EL4863			
COMPOUND					
N-nitroso-dimethylamine	U	U	U	U	U
phenol	U	U	U	U	U
bis(2-chloroethyl)ether	U	U	U	U	U
2-chlorophenol	U	U	U	U	U
1,3-dichlorobenzene	U	U	U	U	U
1,4-dichlorobenzene	U	U	U	U	U
benzyl alcohol	U	U	U	U	U
1,2-dichlorobenzene	U	U	U	U	U
2-methylphenol	U	U	U	U	U
bis(2-chloroisopropyl)ether	U	U	U	U	U
4-methylphenol	U	U	U	U	U
N-nitroso-di-n-propylamine	U	U	U	U	U
hexachloroethane	U	U	U	U	U
nitrobenzene	U	U	U	U	U
isophorone	U	U	U	U	U
2-nitrophenol	U	U	U	U	U
2,4-dimethylphenol	U	U	U	U	U
bis(2-chloroethoxy)methane	U	U	U	U	U
benzoic acid	U	U	U	U	U
2,4-dichlorophenol	U	U	U	U	U
1,2,4-trichlorobenzene	U	U	U	U	U
naphthalene	U	U	U	U	U
4-chloroaniline	U	U	U	U	U
hexachlorobutadiene	U	U	U	U	U
4-chloro-3-methylphenol	U	U	U	U	U
2-methylnaphthalene	U	U	U	U	U
hexachlorocyclopentadiene	U	U	U	U	U
2,4,6-trichlorophenol	U	U	U	U	U
2,4,5-trichlorophenol	U	U	U	U	U
2-chloronaphthalene	U	U	U	U	U
2-nitroaniline	U	U	U	U	U
dimethyl phthalate	U	U	U	U	U
2,6-dinitrotoluene	U	U	U	U	U
acenaphthylene	U	U	U	U	U
3-nitroaniline	U	U	U	U	U
acenaphthene	U	U	U	U	U
2,4-dinitrophenol	U	U	U	U	U
4-nitrophenol	U	U	U	U	U
dibenzofuran	U	U	U	U	U

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TARGET ANALYTE SUMMARY REPORT

EPA METHOD 8270, 3rd ED.

Sponsor: WESTINGHOUSE HANFORD COMPANY SET ID: S92- 0846-IJ

Results: ug/Kg

Field No.	B07GN7	B07GN8			METHOD BLANK
DataChem No.	EL4862	EL4863			
COMPOUND					
2,4-dinitrotoluene	U	U	U	U	U
diethyl phthalate	U	U	U	U	U
4-chlorophenyl-phenylether	U	U	U	U	U
fluorene	U	U	U	U	U
4-nitroaniline	U	U	U	U	U
2-methyl-4,6-dinitrophenol	U	U	U	U	U
N-nitroso-diphenylamine	U	U	U	U	U
1,2-diphenylhydrazine	U	U	U	U	U
4-bromophenyl-phenylether	U	U	U	U	U
.alpha.-BHC	U	U	U	U	U
beta-BHC	U	U	U	U	U
hexachlorobenzene	U	U	U	U	U
pentachlorophenol	U	U	U	U	U
.gamma.-BHC	U	U	U	U	U
phenanthrene	U	U	U	U	U
anthracene	U	U	U	U	U
delta-BHC	U	U	U	U	U
heptachlor	U	U	U	U	U
di-n-butyl phthalate	U	U	U	U	U
aldrin	U	U	U	U	U
heptachlor epoxide	U	U	U	U	U
fluoranthene	U	U	U	U	U
pyrene	U	U	U	U	U
endosulfan I	U	U	U	U	U
4,4'DDE	U	U	U	U	U
dieldrin	U	U	U	U	U
endrin aldehyde	U	U	U	U	U
endrin	U	U	U	U	U
4,4'DDD	U	U	U	U	U
endosulfan II	U	U	U	U	U
butylbenzylphthalate	U	U	U	U	U
4,4'DDT	U	U	U	U	U
endosulfan sulfate	U	U	U	U	U
p,p'-methoxychlor	U	U	U	U	U
3,3'-dichlorobenzidine	U	U	U	U	U
benzo(a)anthracene	U	U	U	U	U
bis(2-ethylhexyl)phthalate	U	U	U	U	U
chrysene	U	U	U	U	U
di-n-octylphthalate	U	U	U	U	U

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TARGET ANALYTE SUMMARY REPORT

EPA METHOD 8270, 3rd ED.

Sponsor: WESTINGHOUSE HANFORD COMPANY SET ID: S92- 0846-IJ

Results: ug/Kg

Field No.	B07GN7	B07GN8			METHOD BLANK
DataChem No.	EL4862	EL4863			
COMPOUND					
benzo(b)fluoranthene	U	U	U	U	U
benzo(k)fluoranthene	U	U	U	U	U
benzo(a)pyrene	U	U	U	U	U
indeno(1,2,3-cd)pyrene	U	U	U	U	U
dibenzo(a,h)anthracene	U	U	U	U	U
benzo(g,h,i)perylene	U	U	U	U	U
endrin ketone	U	U	U	U	U
2-picoline	U	U	U	U	U
ethyl methanesulfonate	U	U	U	U	U
methyl methanesulfonate	U	U	U	U	U
aniline	U	U	U	U	U
acetophenone	U	U	U	U	U
N-nitroso-piperidine	U	U	U	U	U
a,a-dimethylphenethylamine	U	U	U	U	U
2,6-dichlorophenol	U	U	U	U	U
N-nitroso-di-n-butylamine	U	U	U	U	U
1,2,4,5-tetrachlorobenzene	U	U	U	U	U
1-chloronaphthalene	U	U	U	U	U
pentachlorobenzene	U	U	U	U	U
1-naphthylamine	U	U	U	U	U
2,3,4,6-tetrachlorophenol	U	U	U	U	U
2-naphthylamine	U	U	U	U	U
phenacetin	U	U	U	U	U
4-aminobiphenyl	U	U	U	U	U
pronamide (propyzamide)	U	U	U	U	U
pentachloronitrobenzene	U	U	U	U	U
benzidine	U	U	U	U	U
p-dimethylaminoazobenzene	U	U	U	U	U
7,12-dimethbenz(a)anthracene	U	U	U	U	U
3-methylchloranthrene	U	U	U	U	U
chlordane	U	U	U	U	U
toxaphene	U	U	U	U	U
PCB-1016	U	U	U	U	U
PCB-1221	U	U	U	U	U
PCB-1232	U	U	U	U	U
PCB-1242	U	U	U	U	U
PCB-1248	U	U	U	U	U
PCB-1254	U	U	U	U	U
PCB-1260	U	U	U	U	U

9613444.1866

ANALYTICAL REPORT FOR SAMPLE No.: EL4856

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP4EL4856 Date Extracted: 11/04/92

FIELD No.:B07GM6 Analysis Date: 11/28/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.2E+03
108-95-2	phenol	U	3.9E+02
111-44-4	bis(2-chloroethyl)ether	U	3.9E+02
95-57-8	2-chlorophenol	U	3.9E+02
541-73-1	1,3-dichlorobenzene	U	3.9E+02
106-46-7	1,4-dichlorobenzene	U	3.9E+02
100-51-6	benzyl alcohol	U	1.2E+03
95-50-1	1,2-dichlorobenzene	U	3.9E+02
95-48-7	2-methylphenol	U	3.9E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.9E+02
106-44-5	4-methylphenol	U	3.9E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.9E+02
67-72-1	hexachloroethane	U	3.9E+02
98-95-3	nitrobenzene	U	3.9E+02
78-59-1	isophorone	U	3.9E+02
88-75-5	2-nitrophenol	U	3.9E+02
105-67-9	2,4-dimethylphenol	U	3.9E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.9E+02
65-85-0	benzoic acid	U	1.2E+03
120-83-2	2,4-dichlorophenol	U	3.9E+02
120-82-1	1,2,4-trichlorobenzene	U	3.9E+02
91-20-3	naphthalene	U	3.9E+02
106-47-8	4-chloroaniline	U	3.9E+02
87-68-3	hexachlorobutadiene	U	3.9E+02
59-50-7	4-chloro-3-methylphenol	U	3.9E+02
91-57-6	2-methylnaphthalene	U	3.9E+02
77-47-4	hexachlorocyclopentadiene	U	3.9E+02
88-06-2	2,4,6-trichlorophenol	U	3.9E+02
95-95-4	2,4,5-trichlorophenol	U	9.5E+02
91-58-7	2-chloronaphthalene	U	3.9E+02
88-74-4	2-nitroaniline	U	9.5E+02
131-11-3	dimethyl phthalate	U	3.9E+02
606-20-2	2,6-dinitrotoluene	U	3.9E+02
208-96-8	acenaphthylene	U	3.9E+02
99-09-2	3-nitroaniline	U	9.5E+02
83-32-9	acenaphthene	U	3.9E+02
51-28-5	2,4-dinitrophenol	U	9.5E+02
100-02-7	4-nitrophenol	U	9.5E+02
132-64-9	dibenzofuran	U	3.9E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4856

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GM6

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.9E+02
84-66-2	diethyl phthalate	U	3.9E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.9E+02
86-73-7	fluorene	U	3.9E+02
100-01-6	4-nitroaniline	U	9.5E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	9.5E+02
86-30-6	N-nitroso-diphenylamine	U	3.9E+02
122-66-7	1,2-diphenylhydrazine	U	1.2E+03
101-55-3	4-bromophenyl-phenylether	U	3.9E+02
319-84-6	.alpha.-BHC	U	1.2E+03
319-85-7	beta-BHC	U	6.0E+03
118-74-1	hexachlorobenzene	U	3.9E+02
87-86-5	pentachlorophenol	U	9.5E+02
58-89-9	.gamma.-BHC	U	1.2E+03
85-01-8	phenanthrene	U	3.9E+02
120-12-7	anthracene	U	3.9E+02
319-86-8	delta-BHC	U	6.0E+03
76-44-8	heptachlor	U	6.0E+03
84-74-2	di-n-butyl phthalate	U	3.9E+02
309-00-2	aldrin	U	6.0E+03
1024-57-3	heptachlor epoxide	U	6.0E+03
206-44-0	fluoranthene	U	3.9E+02
129-00-0	pyrene	U	3.9E+02
959-98-8	endosulfan I	U	6.0E+03
72-55-9	4,4'DDE	U	6.0E+03
60-57-1	dieldrin	U	6.0E+03
7421-93-4	endrin aldehyde	U	6.0E+03
72-20-8	endrin	U	6.0E+03
72-54-8	4,4'DDD	U	6.0E+03
33213-65-9	endosulfan II	U	6.0E+03
85-68-7	butylbenzylphthalate	U	3.9E+02
50-29-3	4,4'DDT	U	6.0E+03
1031-07-8	endosulfan sulfate	U	6.0E+03
72-43-5	p,p'-methoxychlor	U	1.2E+03
91-94-1	3,3'-dichlorobenzidine	U	1.2E+03
56-55-3	benzo(a)anthracene	U	3.9E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.9E+02
218-01-9	chrysene	U	3.9E+02
117-84-0	di-n-octylphthalate	U	3.9E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4856

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GM6

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.9E+02
207-08-9	benzo(k)fluoranthene	U	3.9E+02
50-32-8	benzo(a)pyrene	U	3.9E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.9E+02
53-70-3	dibenzo(a,h)anthracene	U	3.9E+02
191-24-2	benzo(g,h,i)perylene	U	3.9E+02
53494-70-5	endrin ketone	U	1.2E+03
109-06-8	2-picoline	U	1.2E+03
62-50-0	ethyl methanesulfonate	U	1.2E+03
66-27-3	methyl methanesulfonate	U	1.2E+03
62-53-3	aniline	U	1.2E+03
98-86-2	acetophenone	U	1.2E+03
100-75-4	N-nitroso-piperidine	U	1.2E+03
122-09-8	a,a-dimethylphenethylamine	U	1.2E+03
87-65-0	2,6-dichlorophenol	U	1.2E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.2E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.2E+03
90-13-1	1-chloronaphthalene	U	1.2E+03
608-93-5	pentachlorobenzene	U	1.2E+03
134-32-7	1-naphthylamine	U	1.2E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.2E+03
91-59-8	2-naphthylamine	U	1.2E+03
62-44-2	phenacetin	U	1.2E+03
92-67-1	4-aminobiphenyl	U	1.2E+03
23950-58-5	pronamide (propyzamide)	U	1.2E+03
82-68-8	pentachloronitrobenzene	U	1.2E+03
92-87-5	benzidine	U	1.2E+03
60-11-7	p-dimethylaminoazobenzene	U	1.2E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.2E+03
56-49-5	3-methylchloranthrene	U	1.2E+03
57-74-9	chlordane	U	1.2E+04
8001-35-2	toxaphene	U	1.2E+04
12674-11-2	PCB-1016	U	1.2E+04
11104-28-2	PCB-1221	U	1.2E+04
11141-16-5	PCB-1232	U	1.2E+04
53469-21-9	PCB-1242	U	1.2E+04
12672-29-6	PCB-1248	U	1.2E+04
11097-69-1	PCB-1254	U	1.2E+04
11096-82-5	PCB-1260	U	1.2E+04

See footnotes on page 4

ANALYTICAL REPORT FOR SAMPLE No.: EL4856

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GM6

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	527	2.3E+02	ENA
0-00-0	ALDOL CONDENSATION PRODUCT	573	6.2E+02	ENAB
0-00-0	BROMOFLUOROBENZENE	818	2.6E+02	EN

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

ANALYTICAL REPORT FOR SAMPLE No.: EL4857

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP5EL4857 Date Extracted: 11/04/92

FIELD No.:B07GN0 Analysis Date: 11/28/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.1E+03
108-95-2	phenol	U	3.8E+02
111-44-4	bis(2-chloroethyl)ether	U	3.8E+02
95-57-8	2-chlorophenol	U	3.8E+02
541-73-1	1,3-dichlorobenzene	U	3.8E+02
106-46-7	1,4-dichlorobenzene	U	3.8E+02
100-51-6	benzyl alcohol	U	1.1E+03
95-50-1	1,2-dichlorobenzene	U	3.8E+02
95-48-7	2-methylphenol	U	3.8E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.8E+02
106-44-5	4-methylphenol	U	3.8E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.8E+02
67-72-1	hexachloroethane	U	3.8E+02
98-95-3	nitrobenzene	U	3.8E+02
78-59-1	isophorone	U	3.8E+02
88-75-5	2-nitrophenol	U	3.8E+02
105-67-9	2,4-dimethylphenol	U	3.8E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.8E+02
65-85-0	benzoic acid	U	1.1E+03
120-83-2	2,4-dichlorophenol	U	3.8E+02
120-82-1	1,2,4-trichlorobenzene	U	3.8E+02
91-20-3	naphthalene	U	3.8E+02
106-47-8	4-chloroaniline	U	3.8E+02
87-68-3	hexachlorobutadiene	U	3.8E+02
59-50-7	4-chloro-3-methylphenol	U	3.8E+02
91-57-6	2-methylnaphthalene	U	3.8E+02
77-47-4	hexachlorocyclopentadiene	U	3.8E+02
88-06-2	2,4,6-trichlorophenol	U	3.8E+02
95-95-4	2,4,5-trichlorophenol	U	9.1E+02
91-58-7	2-chloronaphthalene	U	3.8E+02
88-74-4	2-nitroaniline	U	9.1E+02
131-11-3	dimethyl phthalate	U	3.8E+02
606-20-2	2,6-dinitrotoluene	U	3.8E+02
208-96-8	acenaphthylene	U	3.8E+02
99-09-2	3-nitroaniline	U	9.1E+02
83-32-9	acenaphthene	U	3.8E+02
51-28-5	2,4-dinitrophenol	U	9.1E+02
100-02-7	4-nitrophenol	U	9.1E+02
132-64-9	dibenzofuran	U	3.8E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4857

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN0

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.8E+02
84-66-2	diethyl phthalate	U	3.8E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.8E+02
86-73-7	fluorene	U	3.8E+02
100-01-6	4-nitroaniline	U	9.1E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	9.1E+02
86-30-6	N-nitroso-diphenylamine	U	3.8E+02
122-66-7	1,2-diphenylhydrazine	U	1.1E+03
101-55-3	4-bromophenyl-phenylether	U	3.8E+02
319-84-6	.alpha.-BHC	U	1.1E+03
319-85-7	beta-BHC	U	5.7E+03
118-74-1	hexachlorobenzene	U	3.8E+02
87-86-5	pentachlorophenol	U	9.1E+02
58-89-9	.gamma.-BHC	U	1.1E+03
85-01-8	phenanthrene	U	3.8E+02
120-12-7	anthracene	U	3.8E+02
319-86-8	delta-BHC	U	5.7E+03
76-44-8	heptachlor	U	5.7E+03
84-74-2	di-n-butyl phthalate	U	3.8E+02
309-00-2	aldrin	U	5.7E+03
1024-57-3	heptachlor epoxide	U	5.7E+03
206-44-0	fluoranthene	U	3.8E+02
129-00-0	pyrene	U	3.8E+02
959-98-8	endosulfan I	U	5.7E+03
72-55-9	4,4'DDE	U	5.7E+03
60-57-1	dieldrin	U	5.7E+03
7421-93-4	endrin aldehyde	U	5.7E+03
72-20-8	endrin	U	5.7E+03
72-54-8	4,4'DDD	U	5.7E+03
33213-65-9	endosulfan II	U	5.7E+03
85-68-7	butylbenzylphthalate	U	3.8E+02
50-29-3	4,4'DDT	U	5.7E+03
1031-07-8	endosulfan sulfate	U	5.7E+03
72-43-5	p,p'-methoxychlor	U	1.1E+03
91-94-1	3,3'-dichlorobenzidine	U	1.1E+03
56-55-3	benzo(a)anthracene	U	3.8E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.8E+02
218-01-9	chrysene	U	3.8E+02
117-84-0	di-n-octylphthalate	U	3.8E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4857

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN0

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.8E+02
207-08-9	benzo(k)fluoranthene	U	3.8E+02
50-32-8	benzo(a)pyrene	U	3.8E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.8E+02
53-70-3	dibenzo(a,h)anthracene	U	3.8E+02
191-24-2	benzo(g,h,i)perylene	U	3.8E+02
53494-70-5	endrin ketone	U	1.1E+03
109-06-8	2-picoline	U	1.1E+03
62-50-0	ethyl methanesulfonate	U	1.1E+03
66-27-3	methyl methanesulfonate	U	1.1E+03
62-53-3	aniline	U	1.1E+03
98-86-2	acetophenone	U	1.1E+03
100-75-4	N-nitroso-piperidine	U	1.1E+03
122-09-8	a,a-dimethylphenethylamine	U	1.1E+03
87-65-0	2,6-dichlorophenol	U	1.1E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.1E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.1E+03
90-13-1	1-chloronaphthalene	U	1.1E+03
608-93-5	pentachlorobenzene	U	1.1E+03
134-32-7	1-naphthylamine	U	1.1E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.1E+03
91-59-8	2-naphthylamine	U	1.1E+03
62-44-2	phenacetin	U	1.1E+03
92-67-1	4-aminobiphenyl	U	1.1E+03
23950-58-5	pronamide (propyzamide)	U	1.1E+03
82-68-8	pentachloronitrobenzene	U	1.1E+03
92-87-5	benzidine	U	1.1E+03
60-11-7	p-dimethylaminoazobenzene	U	1.1E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.1E+03
56-49-5	3-methylchloranthrene	U	1.1E+03
57-74-9	chlordane	U	1.1E+04
8001-35-2	toxaphene	U	1.1E+04
12674-11-2	PCB-1016	U	1.1E+04
11104-28-2	PCB-1221	U	1.1E+04
11141-16-5	PCB-1232	U	1.1E+04
53469-21-9	PCB-1242	U	1.1E+04
12672-29-6	PCB-1248	U	1.1E+04
11097-69-1	PCB-1254	U	1.1E+04
11096-82-5	PCB-1260	U	1.1E+04

See footnotes on page 4

ANALYTICAL REPORT FOR SAMPLE No.: EL4857

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN0

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	521	2.2E+02	ENA
0-00-0	ALDOL CONDENSATION PRODUCT	569	7.5E+02	ENAB
0-00-0	ALDOL CONDENSATION PRODUCT	633	3.3E+02	ENA

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

9613444.1874

ANALYTICAL REPORT FOR SAMPLE No.: EL4858

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP8EL4858 Date Extracted: 11/04/92

FIELD No.:B07GN1 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.1E+03
108-95-2	phenol	U	3.7E+02
111-44-4	bis(2-chloroethyl)ether	U	3.7E+02
95-57-8	2-chlorophenol	U	3.7E+02
541-73-1	1,3-dichlorobenzene	U	3.7E+02
106-46-7	1,4-dichlorobenzene	U	3.7E+02
100-51-6	benzyl alcohol	U	1.1E+03
95-50-1	1,2-dichlorobenzene	U	3.7E+02
95-48-7	2-methylphenol	U	3.7E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.7E+02
106-44-5	4-methylphenol	U	3.7E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.7E+02
67-72-1	hexachloroethane	U	3.7E+02
98-95-3	nitrobenzene	U	3.7E+02
78-59-1	isophorone	U	3.7E+02
88-75-5	2-nitrophenol	U	3.7E+02
105-67-9	2,4-dimethylphenol	U	3.7E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.7E+02
65-85-0	benzoic acid	U	1.1E+03
120-83-2	2,4-dichlorophenol	U	3.7E+02
120-82-1	1,2,4-trichlorobenzene	U	3.7E+02
91-20-3	naphthalene	U	3.7E+02
106-47-8	4-chloroaniline	U	3.7E+02
87-68-3	hexachlorobutadiene	U	3.7E+02
59-50-7	4-chloro-3-methylphenol	U	3.7E+02
91-57-6	2-methylnaphthalene	U	3.7E+02
77-47-4	hexachlorocyclopentadiene	U	3.7E+02
88-06-2	2,4,6-trichlorophenol	U	3.7E+02
95-95-4	2,4,5-trichlorophenol	U	9.0E+02
91-58-7	2-chloronaphthalene	U	3.7E+02
88-74-4	2-nitroaniline	U	9.0E+02
131-11-3	dimethyl phthalate	U	3.7E+02
606-20-2	2,6-dinitrotoluene	U	3.7E+02
208-96-8	acenaphthylene	U	3.7E+02
99-09-2	3-nitroaniline	U	9.0E+02
83-32-9	acenaphthene	U	3.7E+02
51-28-5	2,4-dinitrophenol	U	9.0E+02
100-02-7	4-nitrophenol	U	9.0E+02
132-64-9	dibenzofuran	U	3.7E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4858

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN1

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.7E+02
84-66-2	diethyl phthalate	U	3.7E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.7E+02
86-73-7	fluorene	U	3.7E+02
100-01-6	4-nitroaniline	U	9.0E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	9.0E+02
86-30-6	N-nitroso-diphenylamine	U	3.7E+02
122-66-7	1,2-diphenylhydrazine	U	1.1E+03
101-55-3	4-bromophenyl-phenylether	U	3.7E+02
319-84-6	.alpha.-BHC	U	1.1E+03
319-85-7	beta-BHC	U	5.6E+03
118-74-1	hexachlorobenzene	U	3.7E+02
87-86-5	pentachlorophenol	U	9.0E+02
58-89-9	.gamma.-BHC	U	1.1E+03
85-01-8	phenanthrene	U	3.7E+02
120-12-7	anthracene	U	3.7E+02
319-86-8	delta-BHC	U	5.6E+03
76-44-8	heptachlor	U	5.6E+03
84-74-2	di-n-butyl phthalate	J	5.4E+01
309-00-2	aldrin	U	5.6E+03
1024-57-3	heptachlor epoxide	U	5.6E+03
206-44-0	fluoranthene	U	3.7E+02
129-00-0	pyrene	U	3.7E+02
959-98-8	endosulfan I	U	5.6E+03
72-55-9	4,4'DDE	U	5.6E+03
60-57-1	dieldrin	U	5.6E+03
7421-93-4	endrin aldehyde	U	5.6E+03
72-20-8	endrin	U	5.6E+03
72-54-8	4,4'DDD	U	5.6E+03
33213-65-9	endosulfan II	U	5.6E+03
85-68-7	butylbenzylphthalate	U	3.7E+02
50-29-3	4,4'DDT	U	5.6E+03
1031-07-8	endosulfan sulfate	U	5.6E+03
72-43-5	p,p'-methoxychlor	U	1.1E+03
91-94-1	3,3'-dichlorobenzidine	U	1.1E+03
56-55-3	benzo(a)anthracene	U	3.7E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.7E+02
218-01-9	chrysene	U	3.7E+02
117-84-0	di-n-octylphthalate	U	3.7E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4858

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN1

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.7E+02
207-08-9	benzo(k)fluoranthene	U	3.7E+02
50-32-8	benzo(a)pyrene	U	3.7E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.7E+02
53-70-3	dibenzo(a,h)anthracene	U	3.7E+02
191-24-2	benzo(g,h,i)perylene	U	3.7E+02
53494-70-5	endrin ketone	U	1.1E+03
109-06-8	2-picoline	U	1.1E+03
62-50-0	ethyl methanesulfonate	U	1.1E+03
66-27-3	methyl methanesulfonate	U	1.1E+03
62-53-3	aniline	U	1.1E+03
98-86-2	acetophenone	U	1.1E+03
100-75-4	N-nitroso-piperidine	U	1.1E+03
122-09-8	a,a-dimethylphenethylamine	U	1.1E+03
87-65-0	2,6-dichlorophenol	U	1.1E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.1E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.1E+03
90-13-1	1-chloronaphthalene	U	1.1E+03
608-93-5	pentachlorobenzene	U	1.1E+03
134-32-7	1-naphthylamine	U	1.1E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.1E+03
91-59-8	2-naphthylamine	U	1.1E+03
62-44-2	phenacetin	U	1.1E+03
92-67-1	4-aminobiphenyl	U	1.1E+03
23950-58-5	pronamide (propyzamide)	U	1.1E+03
82-68-8	pentachloronitrobenzene	U	1.1E+03
92-87-5	benzidine	U	1.1E+03
60-11-7	p-dimethylaminoazobenzene	U	1.1E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.1E+03
56-49-5	3-methylchloranthrene	U	1.1E+03
57-74-9	chlordane	U	1.1E+04
8001-35-2	toxaphene	U	1.1E+04
12674-11-2	PCB-1016	U	1.1E+04
11104-28-2	PCB-1221	U	1.1E+04
11141-16-5	PCB-1232	U	1.1E+04
53469-21-9	PCB-1242	U	1.1E+04
12672-29-6	PCB-1248	U	1.1E+04
11097-69-1	PCB-1254	U	1.1E+04
11096-82-5	PCB-1260	U	1.1E+04

See footnotes on page 4

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ANALYTICAL REPORT FOR SAMPLE No.: EL4858

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN1

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	521	2.1E+02	ENA
0-00-0	ALDOL CONDENSATION PRODUCT	569	6.9E+02	ENAB
0-00-0	ALDOL CONDENSATION PRODUCT	633	4.4E+02	ENA
0-00-0	BROMOFLUOROBENZENE	818	1.5E+02	EN
57-10-3	HEXADECANOIC ACID	1483	2.1E+02	EN
0-00-0	ALKANE @ C29	2057	1.6E+02	EN

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

9613444.1878

ANALYTICAL REPORT FOR SAMPLE No.: EL4859

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP9EL4859 Date Extracted: 11/04/92

FIELD No.:B07GN2 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.1E+03
108-95-2	phenol	U	3.5E+02
111-44-4	bis(2-chloroethyl)ether	U	3.5E+02
95-57-8	2-chlorophenol	U	3.5E+02
541-73-1	1,3-dichlorobenzene	U	3.5E+02
106-46-7	1,4-dichlorobenzene	U	3.5E+02
100-51-6	benzyl alcohol	U	1.1E+03
95-50-1	1,2-dichlorobenzene	U	3.5E+02
95-48-7	2-methylphenol	U	3.5E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.5E+02
106-44-5	4-methylphenol	U	3.5E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.5E+02
67-72-1	hexachloroethane	U	3.5E+02
98-95-3	nitrobenzene	U	3.5E+02
78-59-1	isophorone	U	3.5E+02
88-75-5	2-nitrophenol	U	3.5E+02
105-67-9	2,4-dimethylphenol	U	3.5E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.5E+02
65-85-0	benzoic acid	U	1.1E+03
120-83-2	2,4-dichlorophenol	U	3.5E+02
120-82-1	1,2,4-trichlorobenzene	U	3.5E+02
91-20-3	naphthalene	U	3.5E+02
106-47-8	4-chloroaniline	U	3.5E+02
87-68-3	hexachlorobutadiene	U	3.5E+02
59-50-7	4-chloro-3-methylphenol	U	3.5E+02
91-57-6	2-methylnaphthalene	U	3.5E+02
77-47-4	hexachlorocyclopentadiene	U	3.5E+02
88-06-2	2,4,6-trichlorophenol	U	3.5E+02
95-95-4	2,4,5-trichlorophenol	U	8.6E+02
91-58-7	2-chloronaphthalene	U	3.5E+02
88-74-4	2-nitroaniline	U	8.6E+02
131-11-3	dimethyl phthalate	U	3.5E+02
606-20-2	2,6-dinitrotoluene	U	3.5E+02
208-96-8	acenaphthylene	U	3.5E+02
99-09-2	3-nitroaniline	U	8.6E+02
83-32-9	acenaphthene	U	3.5E+02
51-28-5	2,4-dinitrophenol	U	8.6E+02
100-02-7	4-nitrophenol	U	8.6E+02
132-64-9	dibenzofuran	U	3.5E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4859

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN2

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.5E+02
84-66-2	diethyl phthalate		9.7E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.5E+02
86-73-7	fluorene	U	3.5E+02
100-01-6	4-nitroaniline	U	8.6E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	8.6E+02
86-30-6	N-nitroso-diphenylamine	U	3.5E+02
122-66-7	1,2-diphenylhydrazine	U	1.1E+03
101-55-3	4-bromophenyl-phenylether	U	3.5E+02
319-84-6	.alpha.-BHC	U	1.1E+03
319-85-7	beta-BHC	U	5.4E+03
118-74-1	hexachlorobenzene	U	3.5E+02
87-86-5	pentachlorophenol	U	8.6E+02
58-89-9	.gamma.-BHC	U	1.1E+03
85-01-8	phenanthrene	J	9.5E+01
120-12-7	anthracene	U	3.5E+02
319-86-8	delta-BHC	U	5.4E+03
76-44-8	heptachlor	U	5.4E+03
84-74-2	di-n-butyl phthalate	U	3.5E+02
309-00-2	aldrin	U	5.4E+03
1024-57-3	heptachlor epoxide	U	5.4E+03
206-44-0	fluoranthene	J	2.2E+02
129-00-0	pyrene	J	2.4E+02
959-98-8	endosulfan I	U	5.4E+03
72-55-9	4,4'DDE	U	5.4E+03
60-57-1	dieldrin	U	5.4E+03
7421-93-4	endrin aldehyde	U	5.4E+03
72-20-8	endrin	U	5.4E+03
72-54-8	4,4'DDD	U	5.4E+03
33213-65-9	endosulfan II	U	5.4E+03
85-68-7	butylbenzylphthalate	U	3.5E+02
50-29-3	4,4'DDT	U	5.4E+03
1031-07-8	endosulfan sulfate	U	5.4E+03
72-43-5	p,p'-methoxychlor	U	1.1E+03
91-94-1	3,3'-dichlorobenzidine	U	1.1E+03
56-55-3	benzo(a)anthracene	J	2.2E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.5E+02
218-01-9	chrysene	J	3.1E+02
117-84-0	di-n-octylphthalate	U	3.5E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4859

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN2

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene		4.0E+02
207-08-9	benzo(k)fluoranthene	J	3.4E+02
50-32-8	benzo(a)pyrene		3.6E+02
193-39-5	indeno(1,2,3-cd)pyrene		3.9E+02
53-70-3	dibenzo(a,h)anthracene	J	1.4E+02
191-24-2	benzo(g,h,i)perylene		4.5E+02
53494-70-5	endrin ketone	U	1.1E+03
109-06-8	2-picoline	U	1.1E+03
62-50-0	ethyl methanesulfonate	U	1.1E+03
66-27-3	methyl methanesulfonate	U	1.1E+03
62-53-3	aniline	U	1.1E+03
98-86-2	acetophenone	U	1.1E+03
100-75-4	N-nitroso-piperidine	U	1.1E+03
122-09-8	a,a-dimethylphenethylamine	U	1.1E+03
87-65-0	2,6-dichlorophenol	U	1.1E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.1E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.1E+03
90-13-1	1-chloronaphthalene	U	1.1E+03
608-93-5	pentachlorobenzene	U	1.1E+03
134-32-7	1-naphthylamine	U	1.1E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.1E+03
91-59-8	2-naphthylamine	U	1.1E+03
62-44-2	phenacetin	U	1.1E+03
92-67-1	4-aminobiphenyl	U	1.1E+03
23950-58-5	pronamide (propyzamide)	U	1.1E+03
82-68-8	pentachloronitrobenzene	U	1.1E+03
92-87-5	benzidine	U	1.1E+03
60-11-7	p-dimethylaminoazobenzene	U	1.1E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.1E+03
56-49-5	3-methylchloranthrene	U	1.1E+03
57-74-9	chlordane	U	1.1E+04
8001-35-2	toxaphene	U	1.1E+04
12674-11-2	PCB-1016	U	1.1E+04
11104-28-2	PCB-1221	U	1.1E+04
11141-16-5	PCB-1232	U	1.1E+04
53469-21-9	PCB-1242	U	1.1E+04
12672-29-6	PCB-1248	U	1.1E+04
11097-69-1	PCB-1254	U	1.1E+04
11096-82-5	PCB-1260	U	1.1E+04

See footnotes on page 4

ANALYTICAL REPORT FOR SAMPLE No.: EL4859

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN2

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	521	2.1E+02	ENA
0-00-0	ALDOL CONDENSATION PRODUCT	569	9.9E+02	ENAB
0-00-0	ALDOL CONDENSATION PRODUCT	634	9.9E+02	ENA
0-00-0	ALDOL CONDENSATION PRODUCT	709	2.9E+02	ENA
0-00-0	ALKANE @ C29	2057	1.8E+02	EN
205-82-3	PNA, MW=252	2107	3.7E+02	EN

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

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ANALYTICAL REPORT FOR SAMPLE No.: EL4860

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP10EL4860 Date Extracted: 11/04/92

FIELD No.:B07GN4 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.0E+03
108-95-2	phenol	U	3.4E+02
111-44-4	bis(2-chloroethyl)ether	U	3.4E+02
95-57-8	2-chlorophenol	U	3.4E+02
541-73-1	1,3-dichlorobenzene	U	3.4E+02
106-46-7	1,4-dichlorobenzene	U	3.4E+02
100-51-6	benzyl alcohol	U	1.0E+03
95-50-1	1,2-dichlorobenzene	U	3.4E+02
95-48-7	2-methylphenol	U	3.4E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.4E+02
106-44-5	4-methylphenol	U	3.4E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.4E+02
67-72-1	hexachloroethane	U	3.4E+02
98-95-3	nitrobenzene	U	3.4E+02
78-59-1	isophorone	U	3.4E+02
88-75-5	2-nitrophenol	U	3.4E+02
105-67-9	2,4-dimethylphenol	U	3.4E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.4E+02
65-85-0	benzoic acid	U	1.0E+03
120-83-2	2,4-dichlorophenol	U	3.4E+02
120-82-1	1,2,4-trichlorobenzene	U	3.4E+02
91-20-3	naphthalene	U	3.4E+02
106-47-8	4-chloroaniline	U	3.4E+02
87-68-3	hexachlorobutadiene	U	3.4E+02
59-50-7	4-chloro-3-methylphenol	U	3.4E+02
91-57-6	2-methylnaphthalene	U	3.4E+02
77-47-4	hexachlorocyclopentadiene	U	3.4E+02
88-06-2	2,4,6-trichlorophenol	U	3.4E+02
95-95-4	2,4,5-trichlorophenol	U	8.3E+02
91-58-7	2-chloronaphthalene	U	3.4E+02
88-74-4	2-nitroaniline	U	8.3E+02
131-11-3	dimethyl phthalate	U	3.4E+02
606-20-2	2,6-dinitrotoluene	U	3.4E+02
208-96-8	acenaphthylene	U	3.4E+02
99-09-2	3-nitroaniline	U	8.3E+02
83-32-9	acenaphthene	U	3.4E+02
51-28-5	2,4-dinitrophenol	U	8.3E+02
100-02-7	4-nitrophenol	U	8.3E+02
132-64-9	dibenzofuran	U	3.4E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4860

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN4

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.4E+02
84-66-2	diethyl phthalate	U	3.4E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.4E+02
86-73-7	fluorene	U	3.4E+02
100-01-6	4-nitroaniline	U	8.3E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	8.3E+02
86-30-6	N-nitroso-diphenylamine	U	3.4E+02
122-66-7	1,2-diphenylhydrazine	U	1.0E+03
101-55-3	4-bromophenyl-phenylether	U	3.4E+02
319-84-6	.alpha.-BHC	U	1.0E+03
319-85-7	beta-BHC	U	5.2E+03
118-74-1	hexachlorobenzene	U	3.4E+02
87-86-5	pentachlorophenol	U	8.3E+02
58-89-9	.gamma.-BHC	U	1.0E+03
85-01-8	phenanthrene	U	3.4E+02
120-12-7	anthracene	U	3.4E+02
319-86-8	delta-BHC	U	5.2E+03
76-44-8	heptachlor	U	5.2E+03
84-74-2	di-n-butyl phthalate	U	3.4E+02
309-00-2	aldrin	U	5.2E+03
1024-57-3	heptachlor epoxide	U	5.2E+03
206-44-0	fluoranthene	U	3.4E+02
129-00-0	pyrene	U	3.4E+02
959-98-8	endosulfan I	U	5.2E+03
72-55-9	4,4'DDE	U	5.2E+03
60-57-1	dieldrin	U	5.2E+03
7421-93-4	endrin aldehyde	U	5.2E+03
72-20-8	endrin	U	5.2E+03
72-54-8	4,4'DDD	U	5.2E+03
33213-65-9	endosulfan II	U	5.2E+03
85-68-7	butylbenzylphthalate	U	3.4E+02
50-29-3	4,4'DDT	U	5.2E+03
1031-07-8	endosulfan sulfate	U	5.2E+03
72-43-5	p,p'-methoxychlor	U	1.0E+03
91-94-1	3,3'-dichlorobenzidine	U	1.0E+03
56-55-3	benzo(a)anthracene	U	3.4E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.4E+02
218-01-9	chrysene	U	3.4E+02
117-84-0	di-n-octylphthalate	U	3.4E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4860

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN4

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.4E+02
207-08-9	benzo(k)fluoranthene	U	3.4E+02
50-32-8	benzo(a)pyrene	U	3.4E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.4E+02
53-70-3	dibenzo(a,h)anthracene	U	3.4E+02
191-24-2	benzo(g,h,i)perylene	U	3.4E+02
53494-70-5	endrin ketone	U	1.0E+03
109-06-8	2-picoline	U	1.0E+03
62-50-0	ethyl methanesulfonate	U	1.0E+03
66-27-3	methyl methanesulfonate	U	1.0E+03
62-53-3	aniline	U	1.0E+03
98-86-2	acetophenone	U	1.0E+03
100-75-4	N-nitroso-piperidine	U	1.0E+03
122-09-8	a,a-dimethylphenethylamine	U	1.0E+03
87-65-0	2,6-dichlorophenol	U	1.0E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.0E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.0E+03
90-13-1	1-chloronaphthalene	U	1.0E+03
608-93-5	pentachlorobenzene	U	1.0E+03
134-32-7	1-naphthylamine	U	1.0E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.0E+03
91-59-8	2-naphthylamine	U	1.0E+03
62-44-2	phenacetin	U	1.0E+03
92-67-1	4-aminobiphenyl	U	1.0E+03
23950-58-5	pronamide (propyzamide)	U	1.0E+03
82-68-8	pentachloronitrobenzene	U	1.0E+03
92-87-5	benzidine	U	1.0E+03
60-11-7	p-dimethylaminoazobenzene	U	1.0E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.0E+03
56-49-5	3-methylchloranthrene	U	1.0E+03
57-74-9	chlordane	U	1.0E+04
8001-35-2	toxaphene	U	1.0E+04
12674-11-2	PCB-1016	U	1.0E+04
11104-28-2	PCB-1221	U	1.0E+04
11141-16-5	PCB-1232	U	1.0E+04
53469-21-9	PCB-1242	U	1.0E+04
12672-29-6	PCB-1248	U	1.0E+04
11097-69-1	PCB-1254	U	1.0E+04
11096-82-5	PCB-1260	U	1.0E+04

See footnotes on page 4

ANALYTICAL REPORT FOR SAMPLE No.: EL4860

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN4

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	521	2.4E+02	ENA
0-00-0	ALDOL CONDENSATION PRODUCT	569	7.4E+02	ENAB
0-00-0	ALDOL CONDENSATION PRODUCT	632	3.3E+02	ENA
0-00-0	ALKANE @ C29	2056	2.6E+02	EN

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

ANALYTICAL REPORT FOR SAMPLE No.: EL4861

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP11EL4861 Date Extracted: 11/04/92

FIELD No.:B07GN5 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.0E+03
108-95-2	phenol	U	3.4E+02
111-44-4	bis(2-chloroethyl)ether	U	3.4E+02
95-57-8	2-chlorophenol	U	3.4E+02
541-73-1	1,3-dichlorobenzene	U	3.4E+02
106-46-7	1,4-dichlorobenzene	U	3.4E+02
100-51-6	benzyl alcohol	U	1.0E+03
95-50-1	1,2-dichlorobenzene	U	3.4E+02
95-48-7	2-methylphenol	U	3.4E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.4E+02
106-44-5	4-methylphenol	U	3.4E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.4E+02
67-72-1	hexachloroethane	U	3.4E+02
98-95-3	nitrobenzene	U	3.4E+02
78-59-1	isophorone	U	3.4E+02
88-75-5	2-nitrophenol	U	3.4E+02
105-67-9	2,4-dimethylphenol	U	3.4E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.4E+02
65-85-0	benzoic acid	U	1.0E+03
120-83-2	2,4-dichlorophenol	U	3.4E+02
120-82-1	1,2,4-trichlorobenzene	U	3.4E+02
91-20-3	naphthalene	U	3.4E+02
106-47-8	4-chloroaniline	U	3.4E+02
87-68-3	hexachlorobutadiene	U	3.4E+02
59-50-7	4-chloro-3-methylphenol	U	3.4E+02
91-57-6	2-methylnaphthalene	U	3.4E+02
77-47-4	hexachlorocyclopentadiene	U	3.4E+02
88-06-2	2,4,6-trichlorophenol	U	3.4E+02
95-95-4	2,4,5-trichlorophenol	U	8.3E+02
91-58-7	2-chloronaphthalene	U	3.4E+02
88-74-4	2-nitroaniline	U	8.3E+02
131-11-3	dimethyl phthalate	U	3.4E+02
606-20-2	2,6-dinitrotoluene	U	3.4E+02
208-96-8	acenaphthylene	U	3.4E+02
99-09-2	3-nitroaniline	U	8.3E+02
83-32-9	acenaphthene	U	3.4E+02
51-28-5	2,4-dinitrophenol	U	8.3E+02
100-02-7	4-nitrophenol	U	8.3E+02
132-64-9	dibenzofuran	U	3.4E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4861

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN5

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.4E+02
84-66-2	diethyl phthalate	U	3.4E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.4E+02
86-73-7	fluorene	U	3.4E+02
100-01-6	4-nitroaniline	U	8.3E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	8.3E+02
86-30-6	N-nitroso-diphenylamine	U	3.4E+02
122-66-7	1,2-diphenylhydrazine	U	1.0E+03
101-55-3	4-bromophenyl-phenylether	U	3.4E+02
319-84-6	.alpha.-BHC	U	1.0E+03
319-85-7	beta-BHC	U	5.2E+03
118-74-1	hexachlorobenzene	U	3.4E+02
87-86-5	pentachlorophenol	U	8.3E+02
58-89-9	.gamma.-BHC	U	1.0E+03
85-01-8	phenanthrene	U	3.4E+02
120-12-7	anthracene	U	3.4E+02
319-86-8	delta-BHC	U	5.2E+03
76-44-8	heptachlor	U	5.2E+03
84-74-2	di-n-butyl phthalate	U	3.4E+02
309-00-2	aldrin	U	5.2E+03
1024-57-3	heptachlor epoxide	U	5.2E+03
206-44-0	fluoranthene	U	3.4E+02
129-00-0	pyrene	U	3.4E+02
959-98-8	endosulfan I	U	5.2E+03
72-55-9	4,4'DDE	U	5.2E+03
60-57-1	dieldrin	U	5.2E+03
7421-93-4	endrin aldehyde	U	5.2E+03
72-20-8	endrin	U	5.2E+03
72-54-8	4,4'DDD	U	5.2E+03
33213-65-9	endosulfan II	U	5.2E+03
85-68-7	butylbenzylphthalate	U	3.4E+02
50-29-3	4,4'DDT	U	5.2E+03
1031-07-8	endosulfan sulfate	U	5.2E+03
72-43-5	p,p'-methoxychlor	U	1.0E+03
91-94-1	3,3'-dichlorobenzidine	U	1.0E+03
56-55-3	benzo(a)anthracene	U	3.4E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.4E+02
218-01-9	chrysene	U	3.4E+02
117-84-0	di-n-octylphthalate	U	3.4E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4861

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN5

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.4E+02
207-08-9	benzo(k)fluoranthene	U	3.4E+02
50-32-8	benzo(a)pyrene	U	3.4E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.4E+02
53-70-3	dibenzo(a,h)anthracene	U	3.4E+02
191-24-2	benzo(g,h,i)perylene	U	3.4E+02
53494-70-5	endrin ketone	U	1.0E+03
109-06-8	2-picoline	U	1.0E+03
62-50-0	ethyl methanesulfonate	U	1.0E+03
66-27-3	methyl methanesulfonate	U	1.0E+03
62-53-3	aniline	U	1.0E+03
98-86-2	acetophenone	U	1.0E+03
100-75-4	N-nitroso-piperidine	U	1.0E+03
122-09-8	a,a-dimethylphenethylamine	U	1.0E+03
87-65-0	2,6-dichlorophenol	U	1.0E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.0E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.0E+03
90-13-1	1-chloronaphthalene	U	1.0E+03
608-93-5	pentachlorobenzene	U	1.0E+03
134-32-7	1-naphthylamine	U	1.0E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.0E+03
91-59-8	2-naphthylamine	U	1.0E+03
62-44-2	phenacetin	U	1.0E+03
92-67-1	4-aminobiphenyl	U	1.0E+03
23950-58-5	pronamide (propyzamide)	U	1.0E+03
82-68-8	pentachloronitrobenzene	U	1.0E+03
92-87-5	benzidine	U	1.0E+03
60-11-7	p-dimethylaminoazobenzene	U	1.0E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.0E+03
56-49-5	3-methylchloranthrene	U	1.0E+03
57-74-9	chlordane	U	1.0E+04
8001-35-2	toxaphene	U	1.0E+04
12674-11-2	PCB-1016	U	1.0E+04
11104-28-2	PCB-1221	U	1.0E+04
11141-16-5	PCB-1232	U	1.0E+04
53469-21-9	PCB-1242	U	1.0E+04
12672-29-6	PCB-1248	U	1.0E+04
11097-69-1	PCB-1254	U	1.0E+04
11096-82-5	PCB-1260	U	1.0E+04

See footnotes on page 4

ANALYTICAL REPORT FOR SAMPLE No.: EL4861

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN5

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	519	1.8E+02	ENA
0-00-0	ALDOL CONDENSATION PRODUCT	567	5.5E+02	ENAB
0-00-0	ALDOL CONDENSATION PRODUCT	632	3.5E+02	ENA
0-00-0	ALKANE @ C29	2056	2.7E+02	EN

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

ANALYTICAL REPORT FOR SAMPLE No.: EL4862

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP12EL4862 Date Extracted: 11/04/92

FIELD No.:B07GN7 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.1E+03
108-95-2	phenol	U	3.6E+02
111-44-4	bis(2-chloroethyl)ether	U	3.6E+02
95-57-8	2-chlorophenol	U	3.6E+02
541-73-1	1,3-dichlorobenzene	U	3.6E+02
106-46-7	1,4-dichlorobenzene	U	3.6E+02
100-51-6	benzyl alcohol	U	1.1E+03
95-50-1	1,2-dichlorobenzene	U	3.6E+02
95-48-7	2-methylphenol	U	3.6E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.6E+02
106-44-5	4-methylphenol	U	3.6E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.6E+02
67-72-1	hexachloroethane	U	3.6E+02
98-95-3	nitrobenzene	U	3.6E+02
78-59-1	isophorone	U	3.6E+02
88-75-5	2-nitrophenol	U	3.6E+02
105-67-9	2,4-dimethylphenol	U	3.6E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.6E+02
65-85-0	benzoic acid	U	1.1E+03
120-83-2	2,4-dichlorophenol	U	3.6E+02
120-82-1	1,2,4-trichlorobenzene	U	3.6E+02
91-20-3	naphthalene	U	3.6E+02
106-47-8	4-chloroaniline	U	3.6E+02
87-68-3	hexachlorobutadiene	U	3.6E+02
59-50-7	4-chloro-3-methylphenol	U	3.6E+02
91-57-6	2-methylnaphthalene	U	3.6E+02
77-47-4	hexachlorocyclopentadiene	U	3.6E+02
88-06-2	2,4,6-trichlorophenol	U	3.6E+02
95-95-4	2,4,5-trichlorophenol	U	8.7E+02
91-58-7	2-chloronaphthalene	U	3.6E+02
88-74-4	2-nitroaniline	U	8.7E+02
131-11-3	dimethyl phthalate	U	3.6E+02
606-20-2	2,6-dinitrotoluene	U	3.6E+02
208-96-8	acenaphthylene	U	3.6E+02
99-09-2	3-nitroaniline	U	8.7E+02
83-32-9	acenaphthene	U	3.6E+02
51-28-5	2,4-dinitrophenol	U	8.7E+02
100-02-7	4-nitrophenol	U	8.7E+02
132-64-9	dibenzofuran	U	3.6E+02

See footnotes on page 4.

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ANALYTICAL REPORT FOR SAMPLE No.: EL4862

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN7

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.6E+02
84-66-2	diethyl phthalate	U	3.6E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.6E+02
86-73-7	fluorene	U	3.6E+02
100-01-6	4-nitroaniline	U	8.7E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	8.7E+02
86-30-6	N-nitroso-diphenylamine	U	3.6E+02
122-66-7	1,2-diphenylhydrazine	U	1.1E+03
101-55-3	4-bromophenyl-phenylether	U	3.6E+02
319-84-6	.alpha.-BHC	U	1.1E+03
319-85-7	beta-BHC	U	5.4E+03
118-74-1	hexachlorobenzene	U	3.6E+02
87-86-5	pentachlorophenol	U	8.7E+02
58-89-9	.gamma.-BHC	U	1.1E+03
85-01-8	phenanthrene	U	3.6E+02
120-12-7	anthracene	U	3.6E+02
319-86-8	delta-BHC	U	5.4E+03
76-44-8	heptachlor	U	5.4E+03
84-74-2	di-n-butyl phthalate	U	3.6E+02
309-00-2	aldrin	U	5.4E+03
1024-57-3	heptachlor epoxide	U	5.4E+03
206-44-0	fluoranthene	U	3.6E+02
129-00-0	pyrene	U	3.6E+02
959-98-8	endosulfan I	U	5.4E+03
72-55-9	4,4'DDE	U	5.4E+03
60-57-1	dieldrin	U	5.4E+03
7421-93-4	endrin aldehyde	U	5.4E+03
72-20-8	endrin	U	5.4E+03
72-54-8	4,4'DDD	U	5.4E+03
33213-65-9	endosulfan II	U	5.4E+03
85-68-7	butylbenzylphthalate	U	3.6E+02
50-29-3	4,4'DDT	U	5.4E+03
1031-07-8	endosulfan sulfate	U	5.4E+03
72-43-5	p,p'-methoxychlor	U	1.1E+03
91-94-1	3,3'-dichlorobenzidine	U	1.1E+03
56-55-3	benzo(a)anthracene	U	3.6E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.6E+02
218-01-9	chrysene	U	3.6E+02
117-84-0	di-n-octylphthalate	U	3.6E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4862

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN7

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.6E+02
207-08-9	benzo(k)fluoranthene	U	3.6E+02
50-32-8	benzo(a)pyrene	U	3.6E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.6E+02
53-70-3	dibenzo(a,h)anthracene	U	3.6E+02
191-24-2	benzo(g,h,i)perylene	U	3.6E+02
53494-70-5	endrin ketone	U	1.1E+03
109-06-8	2-picoline	U	1.1E+03
62-50-0	ethyl methanesulfonate	U	1.1E+03
66-27-3	methyl methanesulfonate	U	1.1E+03
62-53-3	aniline	U	1.1E+03
98-86-2	acetophenone	U	1.1E+03
100-75-4	N-nitroso-piperidine	U	1.1E+03
122-09-8	a,a-dimethylphenethylamine	U	1.1E+03
87-65-0	2,6-dichlorophenol	U	1.1E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.1E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.1E+03
90-13-1	1-chloronaphthalene	U	1.1E+03
608-93-5	pentachlorobenzene	U	1.1E+03
134-32-7	1-naphthylamine	U	1.1E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.1E+03
91-59-8	2-naphthylamine	U	1.1E+03
62-44-2	phenacetin	U	1.1E+03
92-67-1	4-aminobiphenyl	U	1.1E+03
23950-58-5	pronamide (propyzamide)	U	1.1E+03
82-68-8	pentachloronitrobenzene	U	1.1E+03
92-87-5	benzidine	U	1.1E+03
60-11-7	p-dimethylaminoazobenzene	U	1.1E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.1E+03
56-49-5	3-methylchloranthrene	U	1.1E+03
57-74-9	chlordane	U	1.1E+04
8001-35-2	toxaphene	U	1.1E+04
12674-11-2	PCB-1016	U	1.1E+04
11104-28-2	PCB-1221	U	1.1E+04
11141-16-5	PCB-1232	U	1.1E+04
53469-21-9	PCB-1242	U	1.1E+04
12672-29-6	PCB-1248	U	1.1E+04
11097-69-1	PCB-1254	U	1.1E+04
11096-82-5	PCB-1260	U	1.1E+04

See footnotes on page 4

ANALYTICAL REPORT FOR SAMPLE No.: EL4862

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN7

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	521	1.9E+02	ENA
0-00-0	ALDOL CONDENSATION PRODUCT	569	5.1E+02	ENAB
0-00-0	ALDOL CONDENSATION PRODUCT	632	3.3E+02	ENA
0-00-0	ALKANE @ C29	2056	2.2E+02	EN

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

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ANALYTICAL REPORT FOR SAMPLE No.: EL4863

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FQ8EL4863 Date Extracted: 11/04/92

FIELD No.:B07GN8 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.0E+03
108-95-2	phenol	U	3.4E+02
111-44-4	bis(2-chloroethyl)ether	U	3.4E+02
95-57-8	2-chlorophenol	U	3.4E+02
541-73-1	1,3-dichlorobenzene	U	3.4E+02
106-46-7	1,4-dichlorobenzene	U	3.4E+02
100-51-6	benzyl alcohol	U	1.0E+03
95-50-1	1,2-dichlorobenzene	U	3.4E+02
95-48-7	2-methylphenol	U	3.4E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.4E+02
106-44-5	4-methylphenol	U	3.4E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.4E+02
67-72-1	hexachloroethane	U	3.4E+02
98-95-3	nitrobenzene	U	3.4E+02
78-59-1	isophorone	U	3.4E+02
88-75-5	2-nitrophenol	U	3.4E+02
105-67-9	2,4-dimethylphenol	U	3.4E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.4E+02
65-85-0	benzoic acid	U	1.0E+03
120-83-2	2,4-dichlorophenol	U	3.4E+02
120-82-1	1,2,4-trichlorobenzene	U	3.4E+02
91-20-3	naphthalene	U	3.4E+02
106-47-8	4-chloroaniline	U	3.4E+02
87-68-3	hexachlorobutadiene	U	3.4E+02
59-50-7	4-chloro-3-methylphenol	U	3.4E+02
91-57-6	2-methylnaphthalene	U	3.4E+02
77-47-4	hexachlorocyclopentadiene	U	3.4E+02
88-06-2	2,4,6-trichlorophenol	U	3.4E+02
95-95-4	2,4,5-trichlorophenol	U	8.3E+02
91-58-7	2-chloronaphthalene	U	3.4E+02
88-74-4	2-nitroaniline	U	8.3E+02
131-11-3	dimethyl phthalate	U	3.4E+02
606-20-2	2,6-dinitrotoluene	U	3.4E+02
208-96-8	acenaphthylene	U	3.4E+02
99-09-2	3-nitroaniline	U	8.3E+02
83-32-9	acenaphthene	U	3.4E+02
51-28-5	2,4-dinitrophenol	U	8.3E+02
100-02-7	4-nitrophenol	U	8.3E+02
132-64-9	dibenzofuran	U	3.4E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4863

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN8

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.4E+02
84-66-2	diethyl phthalate	U	3.4E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.4E+02
86-73-7	fluorene	U	3.4E+02
100-01-6	4-nitroaniline	U	8.3E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	8.3E+02
86-30-6	N-nitroso-diphenylamine	U	3.4E+02
122-66-7	1,2-diphenylhydrazine	U	1.0E+03
101-55-3	4-bromophenyl-phenylether	U	3.4E+02
319-84-6	.alpha.-BHC	U	1.0E+03
319-85-7	beta-BHC	U	5.2E+03
118-74-1	hexachlorobenzene	U	3.4E+02
87-86-5	pentachlorophenol	U	8.3E+02
58-89-9	.gamma.-BHC	U	1.0E+03
85-01-8	phenanthrene	U	3.4E+02
120-12-7	anthracene	U	3.4E+02
319-86-8	delta-BHC	U	5.2E+03
76-44-8	heptachlor	U	5.2E+03
84-74-2	di-n-butyl phthalate	U	3.4E+02
309-00-2	aldrin	U	5.2E+03
1024-57-3	heptachlor epoxide	U	5.2E+03
206-44-0	fluoranthene	U	3.4E+02
129-00-0	pyrene	U	3.4E+02
959-98-8	endosulfan I	U	5.2E+03
72-55-9	4,4'DDE	U	5.2E+03
60-57-1	dieldrin	U	5.2E+03
7421-93-4	endrin aldehyde	U	5.2E+03
72-20-8	endrin	U	5.2E+03
72-54-8	4,4'DDD	U	5.2E+03
33213-65-9	endosulfan II	U	5.2E+03
85-68-7	butylbenzylphthalate	U	3.4E+02
50-29-3	4,4'DDT	U	5.2E+03
1031-07-8	endosulfan sulfate	U	5.2E+03
72-43-5	p,p'-methoxychlor	U	1.0E+03
91-94-1	3,3'-dichlorobenzidine	U	1.0E+03
56-55-3	benzo(a)anthracene	U	3.4E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.4E+02
218-01-9	chrysene	U	3.4E+02
117-84-0	di-n-octylphthalate	U	3.4E+02

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4863

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN8

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.4E+02
207-08-9	benzo(k)fluoranthene	U	3.4E+02
50-32-8	benzo(a)pyrene	U	3.4E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.4E+02
53-70-3	dibenzo(a,h)anthracene	U	3.4E+02
191-24-2	benzo(g,h,i)perylene	U	3.4E+02
53494-70-5	endrin ketone	U	1.0E+03
109-06-8	2-picoline	U	1.0E+03
62-50-0	ethyl methanesulfonate	U	1.0E+03
66-27-3	methyl methanesulfonate	U	1.0E+03
62-53-3	aniline	U	1.0E+03
98-86-2	acetophenone	U	1.0E+03
100-75-4	N-nitroso-piperidine	U	1.0E+03
122-09-8	a,a-dimethylphenethylamine	U	1.0E+03
87-65-0	2,6-dichlorophenol	U	1.0E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.0E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.0E+03
90-13-1	1-chloronaphthalene	U	1.0E+03
608-93-5	pentachlorobenzene	U	1.0E+03
134-32-7	1-naphthylamine	U	1.0E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.0E+03
91-59-8	2-naphthylamine	U	1.0E+03
62-44-2	phenacetin	U	1.0E+03
92-67-1	4-aminobiphenyl	U	1.0E+03
23950-58-5	pronamide (propyzamide)	U	1.0E+03
82-68-8	pentachloronitrobenzene	U	1.0E+03
92-87-5	benzidine	U	1.0E+03
60-11-7	p-dimethylaminoazobenzene	U	1.0E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.0E+03
56-49-5	3-methylchloranthrene	U	1.0E+03
57-74-9	chlordane	U	1.0E+04
8001-35-2	toxaphene	U	1.0E+04
12674-11-2	PCB-1016	U	1.0E+04
11104-28-2	PCB-1221	U	1.0E+04
11141-16-5	PCB-1232	U	1.0E+04
53469-21-9	PCB-1242	U	1.0E+04
12672-29-6	PCB-1248	U	1.0E+04
11097-69-1	PCB-1254	U	1.0E+04
11096-82-5	PCB-1260	U	1.0E+04

See footnotes on page 4

ANALYTICAL REPORT FOR SAMPLE No.: EL4863

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN8

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	566	4.5E+02	ENAB
0-00-0	ALDOL CONDENSATION PRODUCT	631	1.8E+02	ENA
0-00-0	ALKENE @ C10	682	1.7E+02	EN
0-00-0	ALKANE @ C29	2056	2.2E+02	EN

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

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ANALYTICAL REPORT

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Date NOV 13 1992
Agency Identification Number S92-0846-FJ
Account No. 3534C

NOV 1992 RECEIVED OSM DMO

Westinghouse Hanford Company
2355 Stevens Drive
MSIN T6-08
Richland, WA 99352
Attention: Jeanette Duncan

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Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Aldrin ug/kg	alpha-BHC ug/kg	Beta-BHC ug/kg	Delta-BHC ug/kg	Lindane ug/kg	Chlordane ug/kg	4,4'-DDD ug/kg	4,4'-DDE ug/kg
QC-90694-1	QC-90694-1	SOIL	19	ND*	ND*	ND*	18	ND*	ND*	ND*
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	44
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MS	EL 4859MS	SOIL	17	ND*	ND*	ND*	17	ND*	ND*	ND*
B07GN2MSD	EL 4859MSD	SOIL	20	ND*	ND*	ND*	19	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			10	10	10	20	10	50	20	10

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
** See comment on last page.
( ) Parameter between LOD and LOQ.

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Analyst: Guangyue Liu

Reviewer: Vicki Hoe-Lin Tsai

Laboratory Supervisor: Jose C. Danino

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9613444.1899

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ANALYTICAL REPORT

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Account No. 3534C

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Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	4,4'-DDT ug/kg	Dieldrin ug/kg	Endosulfan I ug/kg	Endosulfan II ug/kg	Endosulfan Sulfate ug/kg	Endrin ug/kg	Endrin aldehyde ug/kg	Heptachlor ug/kg
QC-90694-1	QC-90694-1	SOIL	36	37	ND*	ND*	ND*	41	ND*	19
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	65	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MS	EL 4859MS	SOIL	46	35	ND*	ND*	ND*	40	ND*	18
B07GN2MSD	EL 4859MSD	SOIL	47	40	ND*	ND*	ND*	45	ND*	21
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			20	10	10	10	20	10	50	10

† See comment on last page.
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NR Parameter not requested.
** See comment on last page.
( ) Parameter between LOD and LOQ.

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Heptachlor epoxide ug/kg	Toxaphene ug/kg	Aroclor 1016 ug/kg	Aroclor 1221 ug/kg	Aroclor 1232 ug/kg	Aroclor 1242 ug/kg	Aroclor 1248 ug/kg	Aroclor 1254 ug/kg
QC-90694-1	QC-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MS	EL 4859MS	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MSD	EL 4859MSD	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			60	400	100	200	200	100	100	100

† See comment on last page.
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** See comment on last page.
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ANALYTICAL REPORT

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Date NOV 13 1992
Agency Identification Number S92-0846-FJ
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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Aroclor 1260 ug/kg	Methoxychlor ug/kg	Dibutyl Chlorendate ug/kg	Tetrachloro-meta-xylene ug/kg				
QC-90694-1	QC-90694-1	SOIL	ND*	ND*	37	35				
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	38	34				
B07GM6	EL 4856	SOIL	ND*	ND*	33	33				
B07GN0	EL 4857	SOIL	ND*	ND*	36	33				
B07GN1	EL 4858	SOIL	ND*	ND*	36	33				
B07GN2	EL 4859	SOIL	ND*	ND*	39	36				
B07GN2MS	EL 4859MS	SOIL	ND*	ND*	39	33				
B07GN2MSD	EL 4859MSD	SOIL	ND*	ND*	41	37				
B07GN4	EL 4860	SOIL	ND*	ND*	37	35				
B07GN5	EL 4861	SOIL	ND*	ND*	38	37				
B07GN7	EL 4862	SOIL	ND*	ND*	38	35				
B07GN8	EL 4863	SOIL	ND*	ND*	40	34				
* Limit of Detection			100	100	SURR.	SURR.				

† See comment on last page.
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** See comment on last page.
( ) Parameter between LOD and LOQ.

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ANALYTICAL REPORT

Date NOV 13 1992

Agency Identification Number S92-0846-FJ

General Set Comments

The samples were spiked with the surrogates dibutylchlorendate (DBC) and 2,4,5,6-tetrachloro-m-xylene (TCMX) at 33 µg/kg.

The matrix spike, matrix spike duplicate, and Laboratory Control Samples were spiked with lindane (gamma-BHC), heptachlor, and aldrin at 17 µg/kg and with dieldrin, edrin, and 4,4'-DDT at 33 µg/kg.

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DATA CHEM LABORATORIES

ANALYTICAL REPORT

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Aldrin ug/kg	alpha-BHC ug/kg	Beta-BHC ug/kg	Delta-BHC ug/kg	Lindane ug/kg	Chlordane ug/kg	4,4'-DDD ug/kg	4,4'-DDE ug/kg
QC-90694-1	QC-90694-1	SOIL	19	ND*	ND*	ND*	18	ND*	ND*	ND*
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	44
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MS	EL 4859MS	SOIL	17	ND*	ND*	ND*	17	ND*	ND*	ND*
B07GN2MSD	EL 4859MSD	SOIL	20	ND*	ND*	ND*	19	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			10	10	10	20	10	50	20	10

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: Guangyue Liu

Reviewer: Vicki Hoe-Lin Tsai

Laboratory Supervisor: Jose C. Danino

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2

DATA CHEM LABORATORIES

ANALYTICAL REPORT

Date
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Account No. 3534C

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	4,4'-DDT ug/kg	Dieldrin ug/kg	Endosulfan I ug/kg	Endosulfan II ug/kg	Endosulfan sulfate ug/kg	Endrin ug/kg	Endrin aldehyde ug/kg	Heptachlor ug/kg
QC-90694-1	QC-90694-1	SOIL	36	37	ND*	ND*	ND*	41	ND*	19
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	65	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MS	EL 4859MS	SOIL	46	35	ND*	ND*	ND*	40	ND*	18
B07GN2MSD	EL 4859MSD	SOIL	47	40	ND*	ND*	ND*	45	ND*	21
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			20	10	10	10	20	10	50	10

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
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( ) Parameter between LOD and LOQ.

DATA CHEM LABORATORIES

ANALYTICAL REPORT

Date
Agency Identification Number S92-0846-FJ
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Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Heptachlor epoxide ug/kg	Toxaphene ug/kg	Aroclor 1016 ug/kg	Aroclor 1221 ug/kg	Aroclor 1232 ug/kg	Aroclor 1242 ug/kg	Aroclor 1248 ug/kg	Aroclor 1254 ug/kg
QC-90694-1	QC-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MS	EL 4859MS	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MSD	EL 4859MSD	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			60	400	100	200	200	100	100	100

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
** See comment on last page.
( ) Parameter between LOD and LOQ.

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Aroclor 1260 ug/kg	Methoxychlor ug/kg	Dibutyl chlorendate ug/kg	Tetrachloro-meta-xylene ug/kg				
QC-90694-1	QC-90694-1	SOIL	ND*	ND*	37	35				
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	38	34				
B07GM6	EL 4856	SOIL	ND*	ND*	33	33				
B07GN0	EL 4857	SOIL	ND*	ND*	36	33				
B07GN1	EL 4858	SOIL	ND*	ND*	36	33				
B07GN2	EL 4859	SOIL	ND*	ND*	39	36				
B07GN2MS	EL 4859MS	SOIL	ND*	ND*	39	33				
B07GN2MSD	EL 4859MSD	SOIL	ND*	ND*	41	37				
B07GN4	EL 4860	SOIL	ND*	ND*	37	35				
B07GN5	EL 4861	SOIL	ND*	ND*	38	37				
B07GN7	EL 4862	SOIL	ND*	ND*	38	35				
B07GN8	EL 4863	SOIL	ND*	ND*	40	34				
* Limit of Detection			100	100	SURR.	SURR.				

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
** See comment on last page.
( ) Parameter between LOD and LOQ.

DATA CHEM LABORATORIES

ANALYTICAL REPORT

Date _____

Agency Identification Number S92-0846-FJ

General Set Comments

The samples were spiked with the surrogates dibutylchlorendate (DBC) and 2,4,5,6-tetrachloro-m-xylene (TCMX) at 33 µg/kg.

The matrix spike, matrix spike duplicate, and Laboratory Control Samples were spiked with lindane (gamma-BHC), heptachlor, and aldrin at 17 µg/kg and with dieldrin, edrin, and 4,4'-DDT at 33 µg/kg.

9615444.1908

DATA CHEM LABORATORIES

ANALYTICAL REPORT

Date DEC 01 1992
Agency Identification Number S92-0846-HJ
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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8150

Date(s) of Analysis November 22, 1992 - November 23, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	2,4-D ug/kg	2,4-DB ug/kg	2,4,5-T ug/kg	2,4,5-TP (Silvex) ug/kg	Dalapon ug/kg	Dicamba ug/kg	Dichloroprop ug/kg	Dinoseb ug/kg
BL-90696-1	BL-90696-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
QC-90696-1	QC-90696-1	SOIL	83	ND*	45	46	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8MS	EL 4863MS	SOIL	84	ND*	48	48	ND*	ND*	ND*	ND*
B07GN8MSD	EL 4863MSD	SOIL	89	ND*	48	47	ND*	ND*	ND*	ND*
* Limit of Detection			20	100	10	10	100	10	20	20

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: Guangyue Liu

Reviewer: John Meikle

Laboratory Supervisor: Jose C. Danino

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9613444.1909

DATA CHEM LABORATORIES

ANALYTICAL REPORT

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8150

Date(s) of Analysis November 22, 1992 - November 23, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	MCPA ug/kg	MCPP ug/kg	DCAA ug/kg					
BL-90696-1	BL-90696-1	SOIL	ND*	ND*	46					
QC-90696-1	QC-90696-1	SOIL	ND*	ND*	50					
B07GM6	EL 4856	SOIL	ND*	ND*	46					
B07GN0	EL 4857	SOIL	ND*	ND*	46					
B07GN1	EL 4858	SOIL	ND*	ND*	57					
B07GN2	EL 4859	SOIL	ND*	ND*	54					
B07GN4	EL 4860	SOIL	ND*	ND*	43					
B07GN5	EL 4861	SOIL	ND*	ND*	49					
B07GN7	EL 4862	SOIL	ND*	ND*	50					
B07GN8	EL 4863	SOIL	ND*	ND*	51					
B07GN8MS	EL 4863MS	SOIL	ND*	ND*	48					
B07GN8MSD	EL 4863MSD	SOIL	ND*	ND*	50					
* Limit of Detection			5000	5000	SURR.					

† See comment on last page.
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** See comment on last page.
( ) Parameter between LOD and LOQ.

DATA CHEM LABORATORIES

ANALYTICAL REPORT

Date Dec. 01, 1992
Agency Identification Number S92-0846-HJ

General Set Comments

The samples were spiked with the surrogate, 2,4-dichlorophenylacetic acid (DCAA), at 50 µg/kg.

The matrix spike, matrix spike duplicate, and Laboratory Control Samples were spiked with 2,4-D at 100 µg/kg, 2,4,5-TP at 50 µg/kg, and 2,4,5-T at 50 ug/kg.

9613444.1911

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Date NOV 16 1992
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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8141

Date(s) of Analysis November 12, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Azinphos Methyl ug/kg GC/FPD	Bolstar ug/kg GC/FPD	Chlorpyrifos ug/kg GC/FPD	Coumaphos ug/kg GC/FPD	Demeton-S ug/kg GC/FPD	Diazinon ug/kg GC/FPD	Dichlorvos ug/kg GC/FPD	Disulfoton ug/kg GC/FPD
QC-90695-1	QC-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	62
BL-90695-1	BL-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6MS	EL 4856MS	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	72
B07GM6MSD	EL 4856MSD	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	57
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			33.3	16.6	33.3	16.6	33.3	16.6	16.6	16.6

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
** See comment on last page.
( ) Parameter between LOD and LOQ.

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Vicki Hoe Lin Tsai
Analyst: Vicki Hoe-Lin Tsai

Reviewer:

Laboratory Supervisor: Jose C. Danino

9613444.1912

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8141

Date(s) of Analysis November 12, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Ethoprop ug/kg GC/FPD	Fensulfothion ug/kg GC/FPD	Fenthion ug/kg GC/FPD	Merphos ug/kg GC/FPD	Mevinphos ug/kg GC/FPD	Naled ug/kg GC/FPD	Parathion methyl ug/kg GC/FPD	Phorate ug/kg GC/FPD
QC-90695-1	QC-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	79	93
BL-90695-1	BL-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6MS	EL 4856MS	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	75	89
B07GM6MSD	EL 4856MSD	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	57	70
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			33.3	33.3	33.3	33.3	66.6	16.6	16.6	66.6

† See comment on last page. ** See comment on last page.
ND Parameter not detected. ( ) Parameter between LOD and LOQ.
NR Parameter not requested.

9613444.1813

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8141

Date(s) of Analysis November 12, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Ronnel ug/kg GC/FPD	Stirophos ug/kg GC/FPD	Dimethoate ug/kg GC/FPD	EPN ug/kg GC/FPD	Malathion ug/kg GC/FPD	Monocrotophos ug/kg GC/FPD	Parathion ug/kg GC/FPD	SULFOTEP ug/kg GC/FPD
QC-90695-1	QC-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
BL-90695-1	BL-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6MS	EL 4856MS	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6MSD	EL 4856MSD	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			33.3	33.3	66.6	66.6	33.3	166	16.6	16.6

† See comment on last page.
ND Parameter not detected.
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** See comment on last page.
( ) Parameter between LOD and LOQ.

9613444.1914

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ANALYTICAL REPORT

Date NOV 16 1992
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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8141

Date(s) of Analysis November 12, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	TEPP ug/kg GC/FPD	TPP ug/kg GC/FPD							
QC-90695-1	QC-90695-1	SOIL	ND*	306							
BL-90695-1	BL-90695-1	SOIL	ND*	307							
B07GM6	EL 4856	SOIL	ND*	303							
B07GM6MS	EL 4856MS	SOIL	ND*	307							
B07GM6MSD	EL 4856MSD	SOIL	ND*	219							
B07GN0	EL 4857	SOIL	ND*	305							
B07GN1	EL 4858	SOIL	ND*	329							
B07GN2	EL 4859	SOIL	ND*	323							
B07GN4	EL 4860	SOIL	ND*	317							
B07GN5	EL 4861	SOIL	ND*	324							
B07GN7	EL 4862	SOIL	ND*	325							
B07GN8	EL 4863	SOIL	ND*	336							
* Limit of Detection			16.6	16.6							

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
** See comment on last page.
( ) Parameter between LOD and LOQ.

DATA CHEM LABORATORIES

ANALYTICAL REPORT

Date NOV 16 1992

Agency Identification Number S92-0846-GJ

General Set Comments

Phorate,Disulfoton and methyl-parathion were spiked at 60 ug/kg in LCS, method spike and method spike duplicate. Surrogate (TPP) was spiked at 300 ug/kg in all samples. The recoveries (%) of samples were as follows:

	Phorate	Disulfoton	Methyl-Parathion	TPP
LCS	155	103	132	102
EL4856MS	148	120	125	102
EL4856MSD	117	100	95	73
Blank				102
EL4856				101
EL4857				102
EL4858				110
EL4859				108
EL4860				106
EL4861				108
EL4862				108
EL4863				112

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ENVIRONMENTAL SOIL REPORT

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Page 1 of 3
Part 1 of 2

Date DEC 02 1992

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Method / Prep Method	Units	Field Number / Lab Number	B07GM6 EL 4856	B07GN0 EL 4857	B07GN1 EL 4858	B07GN2 EL 4859	B07GN4 EL 4860	B07GN5 EL 4861	B07GN7 EL 4862	
Fluoride (F) 11/04/1992 300.0 [1]	µg/g		ND*	3.	7.	3.	4.	2.	6.	
Chloride (Cl) 11/04/1992 300.0 [1]	µg/g		33.	62.	190	ND*	73.	28.	6.	
Phosphate (PO_4-P) 11/04/1992 300.0 [1]	µg/g		ND*	ND*	ND*	ND*	ND*	1.3	ND*	
Sulfate (SO_4) 11/04/1992 300.0 [1]	µg/g		280	1300	3100	28.	270	200	42.	
Nitrates (NO_3-N + NO_2-N) 11/03/1992 353.2 [1]	µg/g		6.	6.	10.	1.	6.	3.	2.	
Chromium VI 11/12/1992 7196 [2] 3060M [2]	µg/g		ND*	ND*	ND*	ND*	ND*	ND*	ND*	

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.
** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

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for CA
Analyst: Cynthia Adams

Reviewer: Michael E. Richmond

Norman K. Christensen for MPB
Laboratory Supervisor: Michael P. Beesley

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ENVIRONMENTAL SOIL REPORT

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Page 2 of 3
Part 2 of 2

Date DEC 02 1992
Agency Identification Number S92-0846-DJ
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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Method / Prep Method	Units	Field Number / Lab Number: B07GN8 EL 4863							* Limit of Detection
Fluoride (F) 11/04/1992 300.0 [1]	µg/g	4.							2.
Chloride (Cl) 11/04/1992 300.0 [1]	µg/g	3.							2.
Phosphate (PO_4-P) 11/04/1992 300.0 [1]	µg/g	ND*							0.7
Sulfate (SO_4) 11/04/1992 300.0 [1]	µg/g	200							2.
Nitrates (NO_3-N + NO_2-N) 11/03/1992 353.2 [1]	µg/g	1.							1.
Chromium VI 11/12/1992 7196 [2] 3060M [2]	µg/g	ND*							1.

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.

** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

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ENVIRONMENTAL SOIL REPORT

Date DEC 02 1992

Agency Identification Number S92-0846-DJ

General Set Comments

A noncharacteristic fluoride peak on sample EL 4858 indicates a positive interference. The actual fluoride present may be lower than the reported value.

Sample Comments

Laboratory Number	-- Comment --
EL 4858	See comment above.

Method Index	-- Method Reference --
[1]	EPA-600/4-79-020 "Methods for Chemical Analysis of Water and Wastes", March 1983 (Modified for use with soils.)
[2]	SW-846 "Test Methods for Evaluating Solid Waste", 3rd Edition, November 1986.

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ENVIRONMENTAL SOIL REPORT

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Page 1 of 3
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Date NOV 16 1992
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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GM6 EL 4856	B07GN0 EL 4857	B07GN1 EL 4858	B07GN2 EL 4859	B07GN4 EL 4860	B07GN5 EL 4861	B07GN7 EL 4862	
Total Petroleum Hydrocarbons 11/10/1992 µg/g 418.1 [1] 3550 [2]		ND*	ND*	30	ND*	ND*	ND*	ND*	

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
1 Analyses completed on or before this date.

** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

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Analyst: David W. Thomas

Reviewer: Rosemary H. Hanks

Laboratory Supervisor: Norman K. Christensen

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ENVIRONMENTAL SOIL REPORT

Date NOV 16 1992

Agency Identification Number S92-0846-EJ

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GN8 / EL 4863							* Limit of Detection
Total Petroleum Hydrocarbons 11/10/1992 µg/g 418.1 [1] 3550 [2]		ND*							10

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.

** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Date NOV 16 1992

Agency Identification Number S92-0846-EJ

Method Index **-- Method Reference --**

[1] EPA-600/4-79-020 "Methods for Chemical Analysis of Water and Wastes", March 1983 (Modified for use with soils.)

[2] SW-846 "Test Methods for Evaluating Solid Waste", 3rd Edition, November 1986.

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ENVIRONMENTAL SOIL REPORT

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NOV 23 1992

Date _____
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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Method / Prep Method	Units	Field Number / Lab Number	BL-90688-1 / BL-90688-1	QC-90688-1 / QC-90688-1	B07GM6 / EL 4856	B07GN0 / EL 4857	B07GN1 / EL 4858	B07GN2 / EL 4859	B07GN4 / EL 4860	B07GN5 / EL 4861
Aluminum (Al) 11/19/1992 6010 [1] 3050 [1]	µg/gram		ND*	360	13000	17000	20000	9700	13000	10000
Antimony (Sb) 11/19/1992 6010 [1] 3050 [1]	µg/gram		ND*	260	ND*	ND*	ND*	ND*	ND*	ND*
Arsenic (As) 11/19/1992 6010 [1] 3050 [1]	µg/gram		ND*	1000	ND*	ND*	ND*	ND*	ND*	ND*
Barium (Ba) 11/19/1992 6010 [1] 3050 [1]	µg/gram		ND*	6.	110	260	130	98.	130	110
Beryllium (Be) 11/19/1992 6010 [1] 3050 [1]	µg/gram		ND*	19.	1.	ND*	ND*	ND*	ND*	ND*
Cadmium (Cd) 11/19/1992 6010 [1] 3050 [1]	µg/gram		ND*	45.	ND*	ND*	ND*	ND*	ND*	ND*
Calcium (Ca) 11/19/1992 6010 [1] 3050 [1]	µg/gram		ND*	190000	22000	21000	19000	14000	14000	9600
Chromium (Cr) 11/19/1992 6010 [1] 3050 [1]	µg/gram		ND*	100	11.	17.	15.	11.	18.	14.

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.
** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

RECORD COPY

Analyst: Loren P. Higby

Reviewer: John T. Kershisnik

Laboratory Supervisor: Brent E. Stephens

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 / (801) 266-7700
A Sorenson Company

9613444.1923

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

NOV 23 1992

Date

Agency Identification Number S92-0846-AJ

Account No. 3534C

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	BL-90688-1 / BL-90688-1	QC-90688-1 / QC-90688-1	B07GM6 / EL 4856	B07GN0 / EL 4857	B07GN1 / EL 4858	B07GN2 / EL 4859	B07GN4 / EL 4860	B07GN5 / EL 4861
Cobalt (Co) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	150	9.	9.	11.	9.	10.	9.
Copper (Cu) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	7000	13.	14.	16.	15.	18.	15.
Iron (Fe) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	23000	11000	20000	19000	22000	21000	20000
Lead (Pb) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	250	ND*	ND*	20	ND*	10	ND*
Lithium (Li) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	9.	15.	13.	10.	15.	12.
Magnesium (Mg) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	120000	5100	8300	9200	5900	7500	5900
Manganese (Mn) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	210	230	360	370	350	420	380
Molybdenum (Mo) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	56.	ND*	ND*	ND*	ND*	ND*	ND*
Nickel (Ni) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	58.	11.	16.	15.	13.	19.	16.
Phosphorus (P) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	130	450	500	730	620	620
Potassium (K) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	1000	1300	2000	1300	2100	1800
Selenium (Se) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
Silver (Ag) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	24.	ND*	ND*	ND*	ND*	ND*	ND*
Sodium (Na) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	80	490	720	890	410	530	550
Strontium (Sr) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	57.	88.	92.	100	59.	54.	42.

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.
** Parameter not analyzed (See comments page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page).

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A Sorenson Company

9613444.1924

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

NOV 23 1992

Date _____
Agency Identification Number S92-0846-AJ
Account No. 3534C

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	BL-90688-1 / BL-90688-1	QC-90688-1 / QC-90688-1	B07GM6 / EL 4856	B07GN0 / EL 4857	B07GN1 / EL 4858	B07GN2 / EL 4859	B07GN4 / EL 4860	B07GN5 / EL 4861
Thallium (Tl) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	50	ND*	ND*	ND*	ND*	ND*	ND*
Vanadium (V) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	73.	28.	73.	45.	51.	38.	40.
Zinc (Zn) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	180	25.	41.	71.	46.	52.	58.

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.

** Parameter not analyzed (See comments page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page).

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9613444.1925

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Date NOV 23 1992
Agency Identification Number S92-0846-AJ
Account No. 3534C

Westinghouse Hanford Company
2355 Stevens Drive
MSIN T6-08
Richland, WA 99352
Attention: Jeanette Duncan

Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GN7 EL 4862	B07GN8 EL 4863	B07GN8MD EL 4863MD	B07GN8MS EL 4863MS				* Limit of Detection
Aluminum (Al) 11/19/1992 µg/gram 6010 [1] 3050 [1]		12000	13000	13000	14000				10
Antimony (Sb) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	ND*				20
Arsenic (As) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	200				50
Barium (Ba) 11/19/1992 µg/gram 6010 [1] 3050 [1]		110	120	130	320				2.
Beryllium (Be) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	5.				1.
Cadmium (Cd) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	5.				1.
Calcium (Ca) 11/19/1992 µg/gram 6010 [1] 3050 [1]		13000	15000	15000	15000				10
Chromium (Cr) 11/19/1992 µg/gram 6010 [1] 3050 [1]		18.	18.	18.	37.				2.

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
* Analyses completed on or before this date.

** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

9613444.1926

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Date NOV 23 1992

Agency Identification Number S92-0846-AJ

Account No. 3534C

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GN7 EL 4862	B07GN8 EL 4863	B07GN8MD EL 4863MD	B07GN8MS EL 4863MS				* Limit of Detection
Cobalt (Co) 11/19/1992 µg/gram 6010 [1] 3050 [1]		10.	10.	10.	56.				2.
Copper (Cu) 11/19/1992 µg/gram 6010 [1] 3050 [1]		21.	21.	19.	44.				2.
Iron (Fe) 11/19/1992 µg/gram 6010 [1] 3050 [1]		21000	22000	22000	22000				10
Lead (Pb) 11/19/1992 µg/gram 6010 [1] 3050 [1]		30	20	10	50				10
Lithium (Li) 11/19/1992 µg/gram 6010 [1] 3050 [1]		15.	15.	15.	16.				2.
Magnesium (Mg) 11/19/1992 µg/gram 6010 [1] 3050 [1]		7100	7600	7600	7800				10
Manganese (Mn) 11/19/1992 µg/gram 6010 [1] 3050 [1]		550	430	420	490				1.
Molybdenum (Mo) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	ND*				5.
Nickel (Ni) 11/19/1992 µg/gram 6010 [1] 3050 [1]		18.	17.	18.	64.				3.
Phosphorus (P) 11/19/1992 µg/gram 6010 [1] 3050 [1]		620	600	610	620				50
Potassium (K) 11/19/1992 µg/gram 6010 [1] 3050 [1]		2000	2100	2000	2100				200
Selenium (Se) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	180				30
Silver (Ag) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	4.				1.
Sodium (Na) 11/19/1992 µg/gram 6010 [1] 3050 [1]		520	640	640	670				20
Strontium (Sr) 11/19/1992 µg/gram 6010 [1] 3050 [1]		53.	56.	56.	56.				2.

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.

** Parameter not analyzed (See comments page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page).

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DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Date NOV 23 1992
Agency Identification Number S92-0846-AJ
Account No. 3534C

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GN7 EL 4862	B07GN8 EL 4863	B07GN8MD EL 4863MD	B07GN8MS EL 4863MS				* Limit of Detection
Thallium (Tl) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	ND*				50
Vanadium (V) 11/19/1992 µg/gram 6010 [1] 3050 [1]		36.	38.	37.	83.				2.
Zinc (Zn) 11/19/1992 µg/gram 6010 [1] 3050 [1]		250	58.	57.	100				2.

† See comment on last page.
ND Parameter not detected.
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[1] Analyses completed on or before this date.

** Parameter not analyzed (See comments page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page).

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9613444.1928

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Date NOV 23 1992

Agency Identification Number S92-0846-AJ

Method Index **-- Method Reference --**

[1] SW-846 "Test Methods for Evaluating Solid Waste", 3rd Edition, November 1986.

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A Sorenson Company

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DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Form EPRS-A
Page 1 of 3
Part 1 of 2

Date NOV 16 1992

Agency Identification Number S92-0846-CJ

Account No. 3534C

NOV 1992 RECEIVED OSM DMO

Westinghouse Hanford Company
2355 Stevens Drive
MSIN T6-08
Richland, WA 99352
Attention: Jeanette Duncan

Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	BL-90691-1 / BL-90691-1	QC-90691-1 / QC-90691-1	B07GM6 / EL 4856	B07GM6MD / EL 4856MD	B07GM6MS / EL 4856MS	B07GN0 / EL 4857	B07GN1 / EL 4858	B07GN2 / EL 4859
Mercury (Hg) 11/12/1992 7471 [1]	µg/g	ND*	13.	ND*	ND*	0.51	ND*	ND*	ND*

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.

** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

RECORD COPY

Kristie Bitner
Analyst: Kristie F. Bitner

Todd Schmanski
Reviewer: Todd Schmanski

for BES
Laboratory Supervisor: Brent E. Stephens

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9613444.1930

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Form EPRS-A
Page 2 of 3
Part 2 of 2

Date NOV 16 1992

Agency Identification Number S92-0846-CJ

Account No. 3534C

Westinghouse Hanford Company
2355 Stevens Drive
MSIN T6-08
Richland, WA 99352
Attention: Jeanette Duncan

Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GN4 EL 4860	B07GN5 EL 4861	B07GN7 EL 4862	B07GN8 EL 4863				* Limit of Detection
Mercury (Hg) 11/12/1992 7471 [1]	µg/g	ND*	ND*	ND*	ND*				0.05

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.

** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

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DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Date NOV 16 1992

Agency Identification Number S92-0846-CJ

General Set Comments

Data for one matrix spike, one matrix duplicate, a method blank and a QC sample are included with this set. Targets for the QC sample and the matrix spike are as follows: QC sample = 12.7 µg/g; matrix spike = 0.5 µg/g.

Method Index	-- Method Reference --
[1]	SW-846 "Test Methods for Evaluating Solid Waste", 3rd Edition, November 1986.

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 / (801) 266-7700
A Sorenson Company

9613444.1932

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Date NOV 25 1992

Agency Identification Number S92-0846-BJ

General Set Comments

Set S92-0846-BJ was digested and analyzed as one analytical batch. The QC target values are 917 µgAs/g, 236 µgPb/g, 39.2 µgSe/g, and 39.0 µgTl/g. The results for the QC sample, method blank, and matrix duplicate are reported with this set.

Method Index -- **Method Reference** --

[1] SW-846 "Test Methods for Evaluating Solid Waste", 3rd Edition, November 1986.

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9613444.1933

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Form EPRS-A
Page 1 of 3
Part 1 of 2

Date NOV 25 1992

Agency Identification Number S92-0846-BJ
Account No. 3534C

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Westinghouse Hanford Company
2355 Stevens Drive
MSIN T6-08
Richland, WA 99352
Attention: Jeanette Duncan

Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Method / Prep Method	Units	Field Number / Lab Number	BL-90690-1 / BL-90690-1	QC-90690-1 / QC-90690-1	B07GM6 / EL 4856	B07GN0 / EL 4857	B07GN1 / EL 4858	B07GN2 / EL 4859	B07GN4 / EL 4860	B07GN5 / EL 4861
Arsenic (As) 11/18/1992 7060 [1] 3050 [1]	µg/g		ND*	920	4.2	8.1	8.5	4.3	5.3	4.6
Lead (Pb) 11/18/1992 7421 [1] 3050 [1]	µg/g		ND*	250	7.1	5.6	14.	6.7	8.2	7.8
Selenium (Se) 11/19/1992 7740 [1] 3050 [1]	µg/g		ND*	40.	ND*	ND*	ND*	ND*	ND*	ND*
Thallium (Tl) 11/19/1992 7841 [1] 3050 [1]	µg/g		ND*	38.	ND*	ND*	ND*	ND*	ND*	ND*

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.

** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

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Analyst: Robert B. Copenhafer

Reviewer: Young W. Han

Laboratory Supervisor: Brent E. Stephens

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 / (801) 266-7700
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DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Form EPRS-A
Page 2 of 3
Part 2 of 2

Date NOV 25 1992
Agency Identification Number S92-0846-BJ
Account No. 3534C

Westinghouse Hanford Company
2355 Stevens Drive
MSIN T6-08
Richland, WA 99352
Attention: Jeanette Duncan

Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GN7 EL 4862	B07GN8 EL 4863	B07GN8MD EL 4863MD					* Limit of Detection
Arsenic (As) 11/18/1992 7060 [1] 3050 [1]	µg/g	5.5	5.5	5.6					0.5
Lead (Pb) 11/18/1992 7421 [1] 3050 [1]	µg/g	47.	9.9	9.5					0.5
Selenium (Se) 11/19/1992 7740 [1] 3050 [1]	µg/g	ND*	ND*	ND*					0.5
Thallium (Tl) 11/19/1992 7841 [1] 3050 [1]	µg/g	ND*	ND*	ND*					1.

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
[1] Analyses completed on or before this date.
** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

9613444.1935

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Date NOV 25 1992

Agency Identification Number S92-0846-BJ

General Set Comments

Set S92-0846-BJ was digested and analyzed as one analytical batch. The QC target values are 917 µgAs/g, 236 µgPb/g, 39.2 µgSe/g, and 39.0 µgTl/g. The results for the QC sample, method blank, and matrix duplicate are reported with this set.

Method Index -- **Method Reference** --

[1] SW-846 "Test Methods for Evaluating Solid Waste", 3rd Edition, November 1986.

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 / (801) 266-7700
A Sorenson Company

9613444.1936

Golder Associates Inc.

4104-148th Avenue, NE
Redmond, WA 98052
Telephone (206) 883-0777
Fax (206) 882-5498

Golder Associates

June 28, 1993

Our ref: 893-1458
WHC/O/383

Westinghouse Hanford Company
Hanford Analytical Services Management
345 Hills, MSIN H4-29
Richland, Washington 99352

ATTENTION: Ms. Brianna Colley

RE: NORTH SLOPE ERA DATA VALIDATION, TASK ORDER G93-58, TRANSMITTAL OF DATA VALIDATION PACKAGES

Dear Ms. Colley:

Enclosed are five analytical data packages including associated data validation documentation for North Slope ERA samples analyzed by the DataChem laboratory for volatile, semivolatile, chlorinated pesticide/PCB, chlorinated herbicide and phosphate pesticide organic compounds, metals, anions, and total petroleum hydrocarbons.

The data packages included in this shipment are listed as follows:

- B07GM6-DAT-193
- B07GM0-DAT-189
- B07GM1-DAT-204
- B07KQ1-DAT-220
- B07GP1-DAT-206

The validation documentation is located at the front of the data package folder. Please call if you have any questions.

Sincerely,

GOLDER ASSOCIATES INC.

Kent M. Angelos
Project Manager

Donald M. Caldwell
Project Director

Enclosures

cc: George Henckel, WHC

RECEIVED
JUN 29 1993
VALIDATION DOCUMENTATION
SDLA

9613444.1937

FYI.

B07FN4 should be B07GN4

MEMORANDUM

TO: North Slope ERA Data Validation Project QA Record

FR: Tom Stapp, Golder Associates Inc.

RE: Data Validation Summary for Data Package: B07GM6-DAT-193

INTRODUCTION

This memo presents the results of data validation and verification on data package B07GM6-DAT-193 consisting of eight (8) soil samples submitted for volatile, semivolatile, pesticide/PCB, organochlorine herbicides, organophosphorus pesticides, metals, general chemistry and total recoverable petroleum hydrocarbons analysis. The sample(s) were analyzed by the DataChem laboratory using SW-846 methods. The following table describes the samples validated, sample dates and analyses performed.

SAMPLE ID	SAMPLE DATE	VOA	BNA	PEST PCB	HERB	PHOS PEST	METALS	GEN. CHEM	TPH
B07GM6	10/21/92	X	X	X	X	X	X	X	X
B07GN0	10/21/92	X	X	X	X	X	X	X	X
B07GN1	10/21/92	X	X	X	X	X	X	X	X
B07GN2	10/21/92	X	X	X	X	X	X	X	X
B07FN4	10/21/92	X	X	X	X	X	X	X	X
B07GN5	10/21/92	X	X	X	X	X	X	X	X
B07GN7	10/21/92	X	X	X	X	X	X	X	X
B07GN8	10/21/92	X	X	X	X	X	X	X	X

Data verification and validation was conducted in accordance with the WHC statement of work (WHC 1993) and validation procedures (Bechtold 1992). Attachments 1 through 3 provide a data qualification summary form, copies of the verified laboratory reports, and associated positive blank results.

DATA QUALITY OBJECTIVES

Sample Result Verification. The data package was complete for all requested items and all results were supported in the raw data.

MAJOR DEFICIENCIES

The following presents a summary of the rejected data.

The semivolatile tentatively identified compounds (TICs) identified as aldol condensation products and hexadecanoic acid have been rejected (R) since they are suspected laboratory contaminants.

MINOR DEFICIENCIES

The results for all associated blank samples were undetected with the exception of the blanks in the associated parameters listed below.

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JUN 29 1993
VALIDATION DOCUMENTATION
SDLA

Volatile Blanks

Acetone was detected in the laboratory method blank, therefore, associated sample results above the contract required detection limit (CRQL) and less than ten times the highest blank concentration have been qualified as undetected (U).

REFERENCES

WHC, 1993, Westinghouse Hanford Company, North Slope ERA Data Validation, Task Order G-93-01-58. Westinghouse Hanford Company, Richland, Washington.

Bechtold, 1992, Westinghouse Hanford Company, Data Validation Procedures for Chemical Analyses, WHC-SD-EN-SPP-002, Rev. 1, 1992. Westinghouse Hanford Company, Richland, Washington.

9613444.1939

ATTACHMENT 1

DATA QUALIFICATION SUMMARY

DATA QUALIFICATION SUMMARY - FORM B-7

B07GM6-DAT-193

SDG:	REVIEWER: TMS	DATE: 6-17-93	PAGE 1 OF 1
COMMENTS:			
COMPOUND	QUALIFIER	SAMPLES AFFECTED	REASON
Acetone	U	B07GM6	Contaminant in Blank
	U	N0	
	U	N1	
	U	N2	
	U	N4	
	U	N5	
	U	N7	
	U	N8	
Semivolatiles			
Aldol Cond. Products (TIC)	R	All	Laboratory contaminants (P) 6/25/93
Hexadecanoic Acid	R	B07GN1	Laboratory contaminant (P) 6/25/93

9613444.1941

ATTACHMENT 2

VERIFIED DATA SUMMARY

9613444.1942

ANALYTICAL REPORT FOR SAMPLE No. EL4856
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	6.49

Field ID: B07GM6
File ID: PB46EL4856
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/03/92 22:22:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.5
74-83-9	bromomethane	U	2.2
9003-22-9	vinyl chloride	U	3.0
75-00-3	chloroethane	U	3.2
75-09-2	methylene chloride	U	3.5
67-64-1	acetone	67 u	3.0
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.2
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.1
74-88-4	iodomethane	U	2.2
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.1
71-55-6	1,1,1-trichloroethane	U	1.2
56-23-5	carbon tetrachloride	U	1.2
108-05-4	vinyl acetate	U	2.8
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.3
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.9
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.0
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.1
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.8
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.7
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.4
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.3
100-41-4	ethylbenzene	U	1.2
100-42-5	styrene	U	2.2
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.2

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9613444.1943

ANALYTICAL REPORT FOR SAMPLE No. EL4857
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	11.5

Field ID: B07GN0
File ID: PB47EL4857
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/03/92 22:55:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG		DETECTION LIMITS ug/KG
74-87-3	chloromethane	U		3.7
74-83-9	bromomethane	U		2.4
9003-22-9	vinyl chloride	U		3.2
75-00-3	chloroethane	U		3.4
75-09-2	methylene chloride	U		3.7
67-64-1	acetone	31	U	3.2
75-15-0	carbon disulfide	U		2.0
75-69-4	trichlorofluoromethane	U		2.0
75-35-4	1,1-dichloroethene	U		1.8
75-34-3	1,1-dichloroethane	U		1.8
107-06-2	total-1,2-dichloroethene	U		2.4
76-66-3	chloroform	U		1.8
107-06-2	1,2-dichloroethane	U		1.1
74-88-4	iodomethane	U		2.4
107-02-8	acrolein	U		1.9
107-13-1	acrylonitrile	U		1.9
78-93-3	2-butanone	U		2.3
71-55-6	1,1,1-trichloroethane	U		1.2
56-23-5	carbon tetrachloride	U		1.2
108-05-4	vinyl acetate	U		2.9
75-27-4	bromodichloromethane	U		1.6
78-87-5	1,2-dichloropropane	U		1.4
542-75-6	cis-1,3-dichloropropene	U		2.0
79-01-6	trichloroethene	U		3.1
124-48-1	chlorodibromomethane	U		1.6
79-00-5	1,1,2-trichloroethane	U		2.1
71-43-2	benzene	U		1.6
542-75-6	trans-1,3-dichloropropene	U		2.0
110-75-8	2-chloroethylvinyl ether	U		1.9
75-25-2	bromoform	U		1.1
106-93-4	1,2-dibromoethane	U		1.6
74-95-3	dibromomethane	U		0.9
764-41-0	trans-1,4-dichloro-2-butene	U		1.6
108-10-1	4-methyl-2-pentanone	U		2.8
591-78-6	2-hexanone	U		2.0
127-18-4	tetrachloroethene	U		1.6
79-34-5	1,1,2,2-tetrachloroethane	U		1.5
108-88-3	toluene	U		1.6
108-90-7	chlorobenzene	U		1.4
100-41-4	ethylbenzene	U		1.2
100-42-5	styrene	U		2.4
1330-20-7	total xylene	U		1.1
96-18-4	1,2,3-trichloropropane	U		1.6
97-63-2	ethyl methacrylate	U		1.2

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9613444.1944

ANALYTICAL REPORT FOR SAMPLE No. EL4858
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	10.62

Field ID: B07GN1
File ID: PB56EL4858
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 4:14:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.7
74-83-9	bromomethane	U	2.3
9003-22-9	vinyl chloride	U	3.1
75-00-3	chloroethane	U	3.4
75-09-2	methylene chloride	1.3 J	3.7
67-64-1	acetone	46 ~~46~~ ~~59~~ U	3.1
75-15-0	carbon disulfide	U	2.0
75-69-4	trichlorofluoromethane	U	2.0
75-35-4	1,1-dichloroethene	U	1.8
75-34-3	1,1-dichloroethane	U	1.8
107-06-2	total-1,2-dichloroethene	U	2.3
76-66-3	chloroform	U	1.8
107-06-2	1,2-dichloroethane	U	1.1
74-88-4	iodomethane	U	2.3
107-02-8	acrolein	U	1.9
107-13-1	acrylonitrile	U	1.9
78-93-3	2-butanone	U	2.2
71-55-6	1,1,1-trichloroethane	U	1.2
56-23-5	carbon tetrachloride	U	1.2
108-05-4	vinyl acetate	U	2.9
75-27-4	bromodichloromethane	U	1.6
78-87-5	1,2-dichloropropane	U	1.3
542-75-6	cis-1,3-dichloropropene	U	2.0
79-01-6	trichloroethene	U	3.0
124-48-1	chlorodibromomethane	U	1.6
79-00-5	1,1,2-trichloroethane	U	2.1
71-43-2	benzene	U	1.6
542-75-6	trans-1,3-dichloropropene	U	2.0
110-75-8	2-chloroethylvinyl ether	U	1.9
75-25-2	bromoform	U	1.1
106-93-4	1,2-dibromoethane	U	1.6
74-95-3	dibromomethane	U	0.9
764-41-0	trans-1,4-dichloro-2-butene	U	1.6
108-10-1	4-methyl-2-pentanone	U	2.8
591-78-6	2-hexanone	U	2.0
127-18-4	tetrachloroethene	U	1.6
79-34-5	1,1,2,2-tetrachloroethane	U	1.5
108-88-3	toluene	2.6	1.6
108-90-7	chlorobenzene	U	1.3
100-41-4	ethylbenzene	U	1.2
100-42-5	styrene	U	2.3
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.6
97-63-2	ethyl methacrylate	U	1.2

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9613444.1945

ANALYTICAL REPORT FOR SAMPLE No. EL4859
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	7.37

Field ID: B07GN2
File ID: PB49EL4859
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 0:03:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.6
74-83-9	bromomethane	U	2.3
9003-22-9	vinyl chloride	U	3.0
75-00-3	chloroethane	U	3.2
75-09-2	methylene chloride	U	3.6
67-64-1	acetone	31 U	3.0
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.3
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.1
74-88-4	iodomethane	U	2.3
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.2
71-55-6	1,1,1-trichloroethane	U	1.2
56-23-5	carbon tetrachloride	U	1.2
108-05-4	vinyl acetate	U	2.8
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.3
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.9
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.1
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.1
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.9
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.7
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.4
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.3
100-41-4	ethylbenzene	U	1.2
100-42-5	styrene	U	2.3
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.2

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9613444.1946

ANALYTICAL REPORT FOR SAMPLE No. EL4860
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	3.86

Field ID: B07GN4
File ID: PB50EL4860
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 0:37:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.4
74-83-9	bromomethane	U	2.2
9003-22-9	vinyl chloride	U	2.9
75-00-3	chloroethane	U	3.1
75-09-2	methylene chloride	U	3.4
67-64-1	acetone	32 U	2.9
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.2
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.0
74-88-4	iodomethane	U	2.2
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.1
71-55-6	1,1,1-trichloroethane	U	1.1
56-23-5	carbon tetrachloride	U	1.1
108-05-4	vinyl acetate	U	2.7
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.2
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.8
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.0
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.0
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.8
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.6
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.4
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.2
100-41-4	ethylbenzene	U	1.1
100-42-5	styrene	U	2.2
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.1

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9613444.1947

ANALYTICAL REPORT FOR SAMPLE No. EL4861
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	3.6

Field ID: B07GN5
File ID: PB67EL4861
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 19:11:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.4
74-83-9	bromomethane	U	2.2
9003-22-9	vinyl chloride	U	2.9
75-00-3	chloroethane	U	3.1
75-09-2	methylene chloride	U	3.4
67-64-1	acetone	49 U	2.9
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.2
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.0
74-88-4	iodomethane	U	2.2
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.1
71-55-6	1,1,1-trichloroethane	U	1.1
56-23-5	carbon tetrachloride	U	1.1
108-05-4	vinyl acetate	U	2.7
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.2
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.8
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.0
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.0
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.8
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.6
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.3
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.2
100-41-4	ethylbenzene	U	1.1
100-42-5	styrene	U	2.2
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.1

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9613444.1948

ANALYTICAL REPORT FOR SAMPLE No. EL4862
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	7.69

Field ID: B07GN7
File ID: PB52EL4862
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 1:47:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.6
74-83-9	bromomethane	U	2.3
9003-22-9	vinyl chloride	U	3.0
75-00-3	chloroethane	U	3.2
75-09-2	methylene chloride	U	3.6
67-64-1	acetone	40 U	3.0
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.3
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.1
74-88-4	iodomethane	U	2.3
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.2
71-55-6	1,1,1-trichloroethane	U	1.2
56-23-5	carbon tetrachloride	U	1.2
108-05-4	vinyl acetate	U	2.8
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.3
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.9
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.1
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.1
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.9
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.7
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.4
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.3
100-41-4	ethylbenzene	U	1.2
100-42-5	styrene	U	2.3
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.2

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9613444.1949

ANALYTICAL REPORT FOR SAMPLE No. EL4863
EPA METHOD 8240
Target Analyte Results

Dil. factor	1
% Moisture	4.06

Field ID: B07GN8
File ID: PB53EL4863
DataChem Set ID: S92-0846JJ

Sponsor: WESTINGHOUSE-HANFORD CO.
Date of Analysis: 11/04/92 2:24:00
Date Received: 10/29/92

Cas No.	COMPOUND	RESULTS ug/KG	DETECTION LIMITS ug/KG
74-87-3	chloromethane	U	3.4
74-83-9	bromomethane	U	2.2
9003-22-9	vinyl chloride	U	2.9
75-00-3	chloroethane	U	3.1
75-09-2	methylene chloride	U	3.4
67-64-1	acetone	33 U	2.9
75-15-0	carbon disulfide	U	1.9
75-69-4	trichlorofluoromethane	U	1.9
75-35-4	1,1-dichloroethene	U	1.7
75-34-3	1,1-dichloroethane	U	1.7
107-06-2	total-1,2-dichloroethene	U	2.2
76-66-3	chloroform	U	1.7
107-06-2	1,2-dichloroethane	U	1.0
74-88-4	iodomethane	U	2.2
107-02-8	acrolein	U	1.8
107-13-1	acrylonitrile	U	1.8
78-93-3	2-butanone	U	2.1
71-55-6	1,1,1-trichloroethane	U	1.1
56-23-5	carbon tetrachloride	U	1.1
108-05-4	vinyl acetate	U	2.7
75-27-4	bromodichloromethane	U	1.5
78-87-5	1,2-dichloropropane	U	1.3
542-75-6	cis-1,3-dichloropropene	U	1.9
79-01-6	trichloroethene	U	2.8
124-48-1	chlorodibromomethane	U	1.5
79-00-5	1,1,2-trichloroethane	U	2.0
71-43-2	benzene	U	1.5
542-75-6	trans-1,3-dichloropropene	U	1.9
110-75-8	2-chloroethylvinyl ether	U	1.8
75-25-2	bromoform	U	1.0
106-93-4	1,2-dibromoethane	U	1.5
74-95-3	dibromomethane	U	0.8
764-41-0	trans-1,4-dichloro-2-butene	U	1.5
108-10-1	4-methyl-2-pentanone	U	2.6
591-78-6	2-hexanone	U	1.9
127-18-4	tetrachloroethene	U	1.5
79-34-5	1,1,2,2-tetrachloroethane	U	1.4
108-88-3	toluene	U	1.5
108-90-7	chlorobenzene	U	1.3
100-41-4	ethylbenzene	U	1.1
100-42-5	styrene	U	2.2
1330-20-7	total xylene	U	1.0
96-18-4	1,2,3-trichloropropane	U	1.5
97-63-2	ethyl methacrylate	U	1.1

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9613444.1950

ANALYTICAL REPORT FOR SAMPLE No.: EL4856

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP4EL4856 Date Extracted: 11/04/92

FIELD No.:B07GM6 Analysis Date: 11/28/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.2E+03
108-95-2	phenol	U	3.9E+02
111-44-4	bis(2-chloroethyl)ether	U	3.9E+02
95-57-8	2-chlorophenol	U	3.9E+02
541-73-1	1,3-dichlorobenzene	U	3.9E+02
106-46-7	1,4-dichlorobenzene	U	3.9E+02
100-51-6	benzyl alcohol	U	1.2E+03
95-50-1	1,2-dichlorobenzene	U	3.9E+02
95-48-7	2-methylphenol	U	3.9E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.9E+02
106-44-5	4-methylphenol	U	3.9E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.9E+02
67-72-1	hexachloroethane	U	3.9E+02
98-95-3	nitrobenzene	U	3.9E+02
78-59-1	isophorone	U	3.9E+02
88-75-5	2-nitrophenol	U	3.9E+02
105-67-9	2,4-dimethylphenol	U	3.9E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.9E+02
65-85-0	benzoic acid	U	1.2E+03
120-83-2	2,4-dichlorophenol	U	3.9E+02
120-82-1	1,2,4-trichlorobenzene	U	3.9E+02
91-20-3	naphthalene	U	3.9E+02
106-47-8	4-chloroaniline	U	3.9E+02
87-68-3	hexachlorobutadiene	U	3.9E+02
59-50-7	4-chloro-3-methylphenol	U	3.9E+02
91-57-6	2-methylnaphthalene	U	3.9E+02
77-47-4	hexachlorocyclopentadiene	U	3.9E+02
88-06-2	2,4,6-trichlorophenol	U	3.9E+02
95-95-4	2,4,5-trichlorophenol	U	9.5E+02
91-58-7	2-chloronaphthalene	U	3.9E+02
88-74-4	2-nitroaniline	U	9.5E+02
131-11-3	dimethyl phthalate	U	3.9E+02
606-20-2	2,6-dinitrotoluene	U	3.9E+02
208-96-8	acenaphthylene	U	3.9E+02
99-09-2	3-nitroaniline	U	9.5E+02
83-32-9	acenaphthene	U	3.9E+02
51-28-5	2,4-dinitrophenol	U	9.5E+02
100-02-7	4-nitrophenol	U	9.5E+02
132-64-9	dibenzofuran	U	3.9E+02

See footnotes on page 4.

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ANALYTICAL REPORT FOR SAMPLE No.: EL4856

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GM6

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.9E+02
84-66-2	diethyl phthalate	U	3.9E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.9E+02
86-73-7	fluorene	U	3.9E+02
100-01-6	4-nitroaniline	U	9.5E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	9.5E+02
86-30-6	N-nitroso-diphenylamine	U	3.9E+02
122-66-7	1,2-diphenylhydrazine	U	1.2E+03
101-55-3	4-bromophenyl-phenylether	U	3.9E+02
319-84-6	.alpha.-BHC	U	1.2E+03
319-85-7	beta-BHC	U	6.0E+03
118-74-1	hexachlorobenzene	U	3.9E+02
87-86-5	pentachlorophenol	U	9.5E+02
58-89-9	.gamma.-BHC	U	1.2E+03
85-01-8	phenanthrene	U	3.9E+02
120-12-7	anthracene	U	3.9E+02
319-86-8	delta-BHC	U	6.0E+03
76-44-8	heptachlor	U	6.0E+03
84-74-2	di-n-butyl phthalate	U	3.9E+02
309-00-2	aldrin	U	6.0E+03
1024-57-3	heptachlor epoxide	U	6.0E+03
206-44-0	fluoranthene	U	3.9E+02
129-00-0	pyrene	U	3.9E+02
959-98-8	endosulfan I	U	6.0E+03
72-55-9	4,4'DDE	U	6.0E+03
60-57-1	dieldrin	U	6.0E+03
7421-93-4	endrin aldehyde	U	6.0E+03
72-20-8	endrin	U	6.0E+03
72-54-8	4,4'DDD	U	6.0E+03
33213-65-9	endosulfan II	U	6.0E+03
85-68-7	butylbenzylphthalate	U	3.9E+02
50-29-3	4,4'DDT	U	6.0E+03
1031-07-8	endosulfan sulfate	U	6.0E+03
72-43-5	p,p'-methoxychlor	U	1.2E+03
91-94-1	3,3'-dichlorobenzidine	U	1.2E+03
56-55-3	benzo(a)anthracene	U	3.9E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.9E+02
218-01-9	chrysene	U	3.9E+02
117-84-0	di-n-octylphthalate	U	3.9E+02

6/17/93

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4856

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GM6

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.9E+02
207-08-9	benzo(k)fluoranthene	U	3.9E+02
50-32-8	benzo(a)pyrene	U	3.9E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.9E+02
53-70-3	dibenzo(a,h)anthracene	U	3.9E+02
191-24-2	benzo(g,h,i)perylene	U	3.9E+02
53494-70-5	endrin ketone	U	1.2E+03
109-06-8	2-picoline	U	1.2E+03
62-50-0	ethyl methanesulfonate	U	1.2E+03
66-27-3	methyl methanesulfonate	U	1.2E+03
62-53-3	aniline	U	1.2E+03
98-86-2	acetophenone	U	1.2E+03
100-75-4	N-nitroso-piperidine	U	1.2E+03
122-09-8	a,a-dimethylphenethylamine	U	1.2E+03
87-65-0	2,6-dichlorophenol	U	1.2E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.2E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.2E+03
90-13-1	1-chloronaphthalene	U	1.2E+03
608-93-5	pentachlorobenzene	U	1.2E+03
134-32-7	1-naphthylamine	U	1.2E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.2E+03
91-59-8	2-naphthylamine	U	1.2E+03
62-44-2	phenacetin	U	1.2E+03
92-67-1	4-aminobiphenyl	U	1.2E+03
23950-58-5	pronamide (propyzamide)	U	1.2E+03
82-68-8	pentachloronitrobenzene	U	1.2E+03
92-87-5	benzidine	U	1.2E+03
60-11-7	p-dimethylaminoazobenzene	U	1.2E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.2E+03
56-49-5	3-methylchloranthrene	U	1.2E+03
57-74-9	chlordane	U	1.2E+04
8001-35-2	toxaphene	U	1.2E+04
12674-11-2	PCB-1016	U	1.2E+04
11104-28-2	PCB-1221	U	1.2E+04
11141-16-5	PCB-1232	U	1.2E+04
53469-21-9	PCB-1242	U	1.2E+04
12672-29-6	PCB-1248	U	1.2E+04
11097-69-1	PCB-1254	U	1.2E+04
11096-82-5	PCB-1260	U	1.2E+04

TS 6/17/93

See footnotes on page 4

ANALYTICAL REPORT FOR SAMPLE No.: EL4856

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GM6

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	527	2.3E+02	~~ENA~~
0-00-0	ALDOL CONDENSATION PRODUCT	573	6.2E+02	~~ENAB~~
0-00-0	BROMOFLUOROBENZENE	818	2.6E+02	EN

6/18/93

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

6/17/93

9613444.1954

ANALYTICAL REPORT FOR SAMPLE No.: EL4857

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP5EL4857 Date Extracted: 11/04/92

FIELD No.:B07GN0 Analysis Date: 11/28/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.1E+03
108-95-2	phenol	U	3.8E+02
111-44-4	bis(2-chloroethyl)ether	U	3.8E+02
95-57-8	2-chlorophenol	U	3.8E+02
541-73-1	1,3-dichlorobenzene	U	3.8E+02
106-46-7	1,4-dichlorobenzene	U	3.8E+02
100-51-6	benzyl alcohol	U	1.1E+03
95-50-1	1,2-dichlorobenzene	U	3.8E+02
95-48-7	2-methylphenol	U	3.8E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.8E+02
106-44-5	4-methylphenol	U	3.8E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.8E+02
67-72-1	hexachloroethane	U	3.8E+02
98-95-3	nitrobenzene	U	3.8E+02
78-59-1	isophorone	U	3.8E+02
88-75-5	2-nitrophenol	U	3.8E+02
105-67-9	2,4-dimethylphenol	U	3.8E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.8E+02
65-85-0	benzoic acid	U	1.1E+03
120-83-2	2,4-dichlorophenol	U	3.8E+02
120-82-1	1,2,4-trichlorobenzene	U	3.8E+02
91-20-3	naphthalene	U	3.8E+02
106-47-8	4-chloroaniline	U	3.8E+02
87-68-3	hexachlorobutadiene	U	3.8E+02
59-50-7	4-chloro-3-methylphenol	U	3.8E+02
91-57-6	2-methylnaphthalene	U	3.8E+02
77-47-4	hexachlorocyclopentadiene	U	3.8E+02
88-06-2	2,4,6-trichlorophenol	U	3.8E+02
95-95-4	2,4,5-trichlorophenol	U	9.1E+02
91-58-7	2-chloronaphthalene	U	3.8E+02
88-74-4	2-nitroaniline	U	9.1E+02
131-11-3	dimethyl phthalate	U	3.8E+02
606-20-2	2,6-dinitrotoluene	U	3.8E+02
208-96-8	acenaphthylene	U	3.8E+02
99-09-2	3-nitroaniline	U	9.1E+02
83-32-9	acenaphthene	U	3.8E+02
51-28-5	2,4-dinitrophenol	U	9.1E+02
100-02-7	4-nitrophenol	U	9.1E+02
132-64-9	dibenzofuran	U	3.8E+02

See footnotes on page 4.

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ANALYTICAL REPORT FOR SAMPLE No.: EL4857

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN0

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.8E+02
84-66-2	diethyl phthalate	U	3.8E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.8E+02
86-73-7	fluorene	U	3.8E+02
100-01-6	4-nitroaniline	U	9.1E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	9.1E+02
86-30-6	N-nitroso-diphenylamine	U	3.8E+02
122-66-7	1,2-diphenylhydrazine	U	1.1E+03
101-55-3	4-bromophenyl-phenylether	U	3.8E+02
319-84-6	.alpha.-BHC	U	1.1E+03
319-85-7	beta-BHC	U	5.7E+03
118-74-1	hexachlorobenzene	U	3.8E+02
87-86-5	pentachlorophenol	U	9.1E+02
58-89-9	.gamma.-BHC	U	1.1E+03
85-01-8	phenanthrene	U	3.8E+02
120-12-7	anthracene	U	3.8E+02
319-86-8	delta-BHC	U	5.7E+03
76-44-8	heptachlor	U	5.7E+03
84-74-2	di-n-butyl phthalate	U	3.8E+02
309-00-2	aldrin	U	5.7E+03
1024-57-3	heptachlor epoxide	U	5.7E+03
206-44-0	fluoranthene	U	3.8E+02
129-00-0	pyrene	U	3.8E+02
959-98-8	endosulfan I	U	5.7E+03
72-55-9	4,4'DDE	U	5.7E+03
60-57-1	dieldrin	U	5.7E+03
7421-93-4	endrin aldehyde	U	5.7E+03
72-20-8	endrin	U	5.7E+03
72-54-8	4,4'DDD	U	5.7E+03
33213-65-9	endosulfan II	U	5.7E+03
85-68-7	butylbenzylphthalate	U	3.8E+02
50-29-3	4,4'DDT	U	5.7E+03
1031-07-8	endosulfan sulfate	U	5.7E+03
72-43-5	p,p'-methoxychlor	U	1.1E+03
91-94-1	3,3'-dichlorobenzidine	U	1.1E+03
56-55-3	benzo(a)anthracene	U	3.8E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.8E+02
218-01-9	chrysene	U	3.8E+02
117-84-0	di-n-octylphthalate	U	3.8E+02

See footnotes on page 4.

TS 6/17/93

ANALYTICAL REPORT FOR SAMPLE No.: EL4857

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN0

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.8E+02
207-08-9	benzo(k)fluoranthene	U	3.8E+02
50-32-8	benzo(a)pyrene	U	3.8E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.8E+02
53-70-3	dibenzo(a,h)anthracene	U	3.8E+02
191-24-2	benzo(g,h,i)perylene	U	3.8E+02
53494-70-5	endrin ketone	U	1.1E+03
109-06-8	2-picoline	U	1.1E+03
62-50-0	ethyl methanesulfonate	U	1.1E+03
66-27-3	methyl methanesulfonate	U	1.1E+03
62-53-3	aniline	U	1.1E+03
98-86-2	acetophenone	U	1.1E+03
100-75-4	N-nitroso-piperidine	U	1.1E+03
122-09-8	a,a-dimethylphenethylamine	U	1.1E+03
87-65-0	2,6-dichlorophenol	U	1.1E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.1E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.1E+03
90-13-1	1-chloronaphthalene	U	1.1E+03
608-93-5	pentachlorobenzene	U	1.1E+03
134-32-7	1-naphthylamine	U	1.1E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.1E+03
91-59-8	2-naphthylamine	U	1.1E+03
62-44-2	phenacetin	U	1.1E+03
92-67-1	4-aminobiphenyl	U	1.1E+03
23950-58-5	pronamide (propyzamide)	U	1.1E+03
82-68-8	pentachloronitrobenzene	U	1.1E+03
92-87-5	benzidine	U	1.1E+03
60-11-7	p-dimethylaminoazobenzene	U	1.1E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.1E+03
56-49-5	3-methylchloranthrene	U	1.1E+03
57-74-9	chlordane	U	1.1E+04
8001-35-2	toxaphene	U	1.1E+04
12674-11-2	PCB-1016	U	1.1E+04
11104-28-2	PCB-1221	U	1.1E+04
11141-16-5	PCB-1232	U	1.1E+04
53469-21-9	PCB-1242	U	1.1E+04
12672-29-6	PCB-1248	U	1.1E+04
11097-69-1	PCB-1254	U	1.1E+04
11096-82-5	PCB-1260	U	1.1E+04

6/17/93

See footnotes on page 4

9615444.1957

ANALYTICAL REPORT FOR SAMPLE No.: EL4857

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN0

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	521	2.2E+02	~~ENA~~ R
0-00-0	ALDOL CONDENSATION PRODUCT	569	7.5E+02	~~ENAB~~ K
0-00-0	ALDOL CONDENSATION PRODUCT	633	3.3E+02	~~ENA~~ R

6/28/93

6/18/93

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

6/17/93

9613444.1958

ANALYTICAL REPORT FOR SAMPLE No.: EL4858

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP8EL4858 Date Extracted: 11/04/92

FIELD No.:B07GN1 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.1E+03
108-95-2	phenol	U	3.7E+02
111-44-4	bis(2-chloroethyl)ether	U	3.7E+02
95-57-8	2-chlorophenol	U	3.7E+02
541-73-1	1,3-dichlorobenzene	U	3.7E+02
106-46-7	1,4-dichlorobenzene	U	3.7E+02
100-51-6	benzyl alcohol	U	1.1E+03
95-50-1	1,2-dichlorobenzene	U	3.7E+02
95-48-7	2-methylphenol	U	3.7E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.7E+02
106-44-5	4-methylphenol	U	3.7E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.7E+02
67-72-1	hexachloroethane	U	3.7E+02
98-95-3	nitrobenzene	U	3.7E+02
78-59-1	isophorone	U	3.7E+02
88-75-5	2-nitrophenol	U	3.7E+02
105-67-9	2,4-dimethylphenol	U	3.7E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.7E+02
65-85-0	benzoic acid	U	1.1E+03
120-83-2	2,4-dichlorophenol	U	3.7E+02
120-82-1	1,2,4-trichlorobenzene	U	3.7E+02
91-20-3	naphthalene	U	3.7E+02
106-47-8	4-chloroaniline	U	3.7E+02
87-68-3	hexachlorobutadiene	U	3.7E+02
59-50-7	4-chloro-3-methylphenol	U	3.7E+02
91-57-6	2-methylnaphthalene	U	3.7E+02
77-47-4	hexachlorocyclopentadiene	U	3.7E+02
88-06-2	2,4,6-trichlorophenol	U	3.7E+02
95-95-4	2,4,5-trichlorophenol	U	9.0E+02
91-58-7	2-chloronaphthalene	U	3.7E+02
88-74-4	2-nitroaniline	U	9.0E+02
131-11-3	dimethyl phthalate	U	3.7E+02
606-20-2	2,6-dinitrotoluene	U	3.7E+02
208-96-8	acenaphthylene	U	3.7E+02
99-09-2	3-nitroaniline	U	9.0E+02
83-32-9	acenaphthene	U	3.7E+02
51-28-5	2,4-dinitrophenol	U	9.0E+02
100-02-7	4-nitrophenol	U	9.0E+02
132-64-9	dibenzofuran	U	3.7E+02

See footnotes on page 4.

FS 6/17/93

9613444.1959

ANALYTICAL REPORT FOR SAMPLE No.: EL4858

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN1

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.7E+02
84-66-2	diethyl phthalate	U	3.7E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.7E+02
86-73-7	fluorene	U	3.7E+02
100-01-6	4-nitroaniline	U	9.0E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	9.0E+02
86-30-6	N-nitroso-diphenylamine	U	3.7E+02
122-66-7	1,2-diphenylhydrazine	U	1.1E+03
101-55-3	4-bromophenyl-phenylether	U	3.7E+02
319-84-6	.alpha.-BHC	U	1.1E+03
319-85-7	beta-BHC	U	5.6E+03
118-74-1	hexachlorobenzene	U	3.7E+02
87-86-5	pentachlorophenol	U	9.0E+02
58-89-9	.gamma.-BHC	U	1.1E+03
85-01-8	phenanthrene	U	3.7E+02
120-12-7	anthracene	U	3.7E+02
319-86-8	delta-BHC	U	5.6E+03
76-44-8	heptachlor	U	5.6E+03
84-74-2	di-n-butyl phthalate	J	5.4E+01
309-00-2	aldrin	U	5.6E+03
1024-57-3	heptachlor epoxide	U	5.6E+03
206-44-0	fluoranthene	U	3.7E+02
129-00-0	pyrene	U	3.7E+02
959-98-8	endosulfan I	U	5.6E+03
72-55-9	4,4'DDE	U	5.6E+03
60-57-1	dieldrin	U	5.6E+03
7421-93-4	endrin aldehyde	U	5.6E+03
72-20-8	endrin	U	5.6E+03
72-54-8	4,4'DDD	U	5.6E+03
33213-65-9	endosulfan II	U	5.6E+03
85-68-7	butylbenzylphthalate	U	3.7E+02
50-29-3	4,4'DDT	U	5.6E+03
1031-07-8	endosulfan sulfate	U	5.6E+03
72-43-5	p,p'-methoxychlor	U	1.1E+03
91-94-1	3,3'-dichlorobenzidine	U	1.1E+03
56-55-3	benzo(a)anthracene	U	3.7E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.7E+02
218-01-9	chrysene	U	3.7E+02
117-84-0	di-n-octylphthalate	U	3.7E+02

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See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4858

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN1

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.7E+02
207-08-9	benzo(k)fluoranthene	U	3.7E+02
50-32-8	benzo(a)pyrene	U	3.7E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.7E+02
53-70-3	dibenzo(a,h)anthracene	U	3.7E+02
191-24-2	benzo(g,h,i)perylene	U	3.7E+02
53494-70-5	endrin ketone	U	1.1E+03
109-06-8	2-picoline	U	1.1E+03
62-50-0	ethyl methanesulfonate	U	1.1E+03
66-27-3	methyl methanesulfonate	U	1.1E+03
62-53-3	aniline	U	1.1E+03
98-86-2	acetophenone	U	1.1E+03
100-75-4	N-nitroso-piperidine	U	1.1E+03
122-09-8	a,a-dimethylphenethylamine	U	1.1E+03
87-65-0	2,6-dichlorophenol	U	1.1E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.1E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.1E+03
90-13-1	1-chloronaphthalene	U	1.1E+03
608-93-5	pentachlorobenzene	U	1.1E+03
134-32-7	1-naphthylamine	U	1.1E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.1E+03
91-59-8	2-naphthylamine	U	1.1E+03
62-44-2	phenacetin	U	1.1E+03
92-67-1	4-aminobiphenyl	U	1.1E+03
23950-58-5	pronamide (propyzamide)	U	1.1E+03
82-68-8	pentachloronitrobenzene	U	1.1E+03
92-87-5	benzidine	U	1.1E+03
60-11-7	p-dimethylaminoazobenzene	U	1.1E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.1E+03
56-49-5	3-methylchloranthrene	U	1.1E+03
57-74-9	chlordane	U	1.1E+04
8001-35-2	toxaphene	U	1.1E+04
12674-11-2	PCB-1016	U	1.1E+04
11104-28-2	PCB-1221	U	1.1E+04
11141-16-5	PCB-1232	U	1.1E+04
53469-21-9	PCB-1242	U	1.1E+04
12672-29-6	PCB-1248	U	1.1E+04
11097-69-1	PCB-1254	U	1.1E+04
11096-82-5	PCB-1260	U	1.1E+04

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See footnotes on page 4

ANALYTICAL REPORT FOR SAMPLE No.: EL4858

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN1

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr	
0-00-0	ALDOL CONDENSATION PRODUCT	521	2.1E+02	~~ENA~~	K
0-00-0	ALDOL CONDENSATION PRODUCT	569	6.9E+02	~~ENAB~~	K
0-00-0	ALDOL CONDENSATION PRODUCT	633	4.4E+02	~~ENA~~	K
0-00-0	BROMOFLUOROBENZENE	818	1.5E+02	EN	
57-10-3	HEXADECANOIC ACID	1483	2.1E+02	~~EN~~	K
0-00-0	ALKANE @ C29	2057	1.6E+02	EN	

6/18/93

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

6/17/93

9613444.1962

ANALYTICAL REPORT FOR SAMPLE No.: EL4859

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP9EL4859 Date Extracted: 11/04/92

FIELD No.:B07GN2 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.1E+03
108-95-2	phenol	U	3.5E+02
111-44-4	bis(2-chloroethyl)ether	U	3.5E+02
95-57-8	2-chlorophenol	U	3.5E+02
541-73-1	1,3-dichlorobenzene	U	3.5E+02
106-46-7	1,4-dichlorobenzene	U	3.5E+02
100-51-6	benzyl alcohol	U	1.1E+03
95-50-1	1,2-dichlorobenzene	U	3.5E+02
95-48-7	2-methylphenol	U	3.5E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.5E+02
106-44-5	4-methylphenol	U	3.5E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.5E+02
67-72-1	hexachloroethane	U	3.5E+02
98-95-3	nitrobenzene	U	3.5E+02
78-59-1	isophorone	U	3.5E+02
88-75-5	2-nitrophenol	U	3.5E+02
105-67-9	2,4-dimethylphenol	U	3.5E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.5E+02
65-85-0	benzoic acid	U	1.1E+03
120-83-2	2,4-dichlorophenol	U	3.5E+02
120-82-1	1,2,4-trichlorobenzene	U	3.5E+02
91-20-3	naphthalene	U	3.5E+02
106-47-8	4-chloroaniline	U	3.5E+02
87-68-3	hexachlorobutadiene	U	3.5E+02
59-50-7	4-chloro-3-methylphenol	U	3.5E+02
91-57-6	2-methylnaphthalene	U	3.5E+02
77-47-4	hexachlorocyclopentadiene	U	3.5E+02
88-06-2	2,4,6-trichlorophenol	U	3.5E+02
95-95-4	2,4,5-trichlorophenol	U	8.6E+02
91-58-7	2-chloronaphthalene	U	3.5E+02
88-74-4	2-nitroaniline	U	8.6E+02
131-11-3	dimethyl phthalate	U	3.5E+02
606-20-2	2,6-dinitrotoluene	U	3.5E+02
208-96-8	acenaphthylene	U	3.5E+02
99-09-2	3-nitroaniline	U	8.6E+02
83-32-9	acenaphthene	U	3.5E+02
51-28-5	2,4-dinitrophenol	U	8.6E+02
100-02-7	4-nitrophenol	U	8.6E+02
132-64-9	dibenzofuran	U	3.5E+02

See footnotes on page 4.

6/17/93

9613444.1963

ANALYTICAL REPORT FOR SAMPLE No.: EL4859

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN2

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.5E+02
84-66-2	diethyl phthalate		9.7E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.5E+02
86-73-7	fluorene	U	3.5E+02
100-01-6	4-nitroaniline	U	8.6E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	8.6E+02
86-30-6	N-nitroso-diphenylamine	U	3.5E+02
122-66-7	1,2-diphenylhydrazine	U	1.1E+03
101-55-3	4-bromophenyl-phenylether	U	3.5E+02
319-84-6	.alpha.-BHC	U	1.1E+03
319-85-7	beta-BHC	U	5.4E+03
118-74-1	hexachlorobenzene	U	3.5E+02
87-86-5	pentachlorophenol	U	8.6E+02
58-89-9	.gamma.-BHC	U	1.1E+03
85-01-8	phenanthrene	J	9.5E+01
120-12-7	anthracene	U	3.5E+02
319-86-8	delta-BHC	U	5.4E+03
76-44-8	heptachlor	U	5.4E+03
84-74-2	di-n-butyl phthalate	U	3.5E+02
309-00-2	aldrin	U	5.4E+03
1024-57-3	heptachlor epoxide	U	5.4E+03
206-44-0	fluoranthene	J	2.2E+02
129-00-0	pyrene	J	2.4E+02
959-98-8	endosulfan I	U	5.4E+03
72-55-9	4,4'DDE	U	5.4E+03
60-57-1	dieldrin	U	5.4E+03
7421-93-4	endrin aldehyde	U	5.4E+03
72-20-8	endrin	U	5.4E+03
72-54-8	4,4'DDD	U	5.4E+03
33213-65-9	endosulfan II	U	5.4E+03
85-68-7	butylbenzylphthalate	U	3.5E+02
50-29-3	4,4'DDT	U	5.4E+03
1031-07-8	endosulfan sulfate	U	5.4E+03
72-43-5	p,p'-methoxychlor	U	1.1E+03
91-94-1	3,3'-dichlorobenzidine	U	1.1E+03
56-55-3	benzo(a)anthracene	J	2.2E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.5E+02
218-01-9	chrysene	J	3.1E+02
117-84-0	di-n-octylphthalate	U	3.5E+02

6/17/93

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4859

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN2

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene		4.0E+02
207-08-9	benzo(k)fluoranthene	J	3.4E+02
50-32-8	benzo(a)pyrene		3.6E+02
193-39-5	indeno(1,2,3-cd)pyrene		3.9E+02
53-70-3	dibenzo(a,h)anthracene	J	1.4E+02
191-24-2	benzo(g,h,i)perylene		4.5E+02
53494-70-5	endrin ketone	U	1.1E+03
109-06-8	2-picoline	U	1.1E+03
62-50-0	ethyl methanesulfonate	U	1.1E+03
66-27-3	methyl methanesulfonate	U	1.1E+03
62-53-3	aniline	U	1.1E+03
98-86-2	acetophenone	U	1.1E+03
100-75-4	N-nitroso-piperidine	U	1.1E+03
122-09-8	a,a-dimethylphenethylamine	U	1.1E+03
87-65-0	2,6-dichlorophenol	U	1.1E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.1E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.1E+03
90-13-1	1-chloronaphthalene	U	1.1E+03
608-93-5	pentachlorobenzene	U	1.1E+03
134-32-7	1-naphthylamine	U	1.1E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.1E+03
91-59-8	2-naphthylamine	U	1.1E+03
62-44-2	phenacetin	U	1.1E+03
92-67-1	4-aminobiphenyl	U	1.1E+03
23950-58-5	pronamide (propyzamide)	U	1.1E+03
82-68-8	pentachloronitrobenzene	U	1.1E+03
92-87-5	benzidine	U	1.1E+03
60-11-7	p-dimethylaminoazobenzene	U	1.1E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.1E+03
56-49-5	3-methylchloranthrene	U	1.1E+03
57-74-9	chlordane	U	1.1E+04
8001-35-2	toxaphene	U	1.1E+04
12674-11-2	PCB-1016	U	1.1E+04
11104-28-2	PCB-1221	U	1.1E+04
11141-16-5	PCB-1232	U	1.1E+04
53469-21-9	PCB-1242	U	1.1E+04
12672-29-6	PCB-1248	U	1.1E+04
11097-69-1	PCB-1254	U	1.1E+04
11096-82-5	PCB-1260	U	1.1E+04

6/17/93

See footnotes on page 4

9613444.1965

ANALYTICAL REPORT FOR SAMPLE No.: EL4859

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN2

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr	
0-00-0	ALDOL CONDENSATION PRODUCT	521	2.1E+02	~~ENA~~	K
0-00-0	ALDOL CONDENSATION PRODUCT	569	9.9E+02	~~ENAB~~	K
0-00-0	ALDOL CONDENSATION PRODUCT	634	9.9E+02	~~ENA~~	K
0-00-0	ALDOL CONDENSATION PRODUCT	709	2.9E+02	~~ENA~~	K
0-00-0	ALKANE @ C29	2057	1.8E+02	EN	
205-82-3	PNA, MW=252	2107	3.7E+02	EN	

6/8/93

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

6/17/93

9613444.1966

ANALYTICAL REPORT FOR SAMPLE No.: EL4860

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP10EL4860 Date Extracted: 11/04/92

FIELD No.:B07GN4 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.0E+03
108-95-2	phenol	U	3.4E+02
111-44-4	bis(2-chloroethyl)ether	U	3.4E+02
95-57-8	2-chlorophenol	U	3.4E+02
541-73-1	1,3-dichlorobenzene	U	3.4E+02
106-46-7	1,4-dichlorobenzene	U	3.4E+02
100-51-6	benzyl alcohol	U	1.0E+03
95-50-1	1,2-dichlorobenzene	U	3.4E+02
95-48-7	2-methylphenol	U	3.4E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.4E+02
106-44-5	4-methylphenol	U	3.4E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.4E+02
67-72-1	hexachloroethane	U	3.4E+02
98-95-3	nitrobenzene	U	3.4E+02
78-59-1	isophorone	U	3.4E+02
88-75-5	2-nitrophenol	U	3.4E+02
105-67-9	2,4-dimethylphenol	U	3.4E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.4E+02
65-85-0	benzoic acid	U	1.0E+03
120-83-2	2,4-dichlorophenol	U	3.4E+02
120-82-1	1,2,4-trichlorobenzene	U	3.4E+02
91-20-3	naphthalene	U	3.4E+02
106-47-8	4-chloroaniline	U	3.4E+02
87-68-3	hexachlorobutadiene	U	3.4E+02
59-50-7	4-chloro-3-methylphenol	U	3.4E+02
91-57-6	2-methylnaphthalene	U	3.4E+02
77-47-4	hexachlorocyclopentadiene	U	3.4E+02
88-06-2	2,4,6-trichlorophenol	U	3.4E+02
95-95-4	2,4,5-trichlorophenol	U	8.3E+02
91-58-7	2-chloronaphthalene	U	3.4E+02
88-74-4	2-nitroaniline	U	8.3E+02
131-11-3	dimethyl phthalate	U	3.4E+02
606-20-2	2,6-dinitrotoluene	U	3.4E+02
208-96-8	acenaphthylene	U	3.4E+02
99-09-2	3-nitroaniline	U	8.3E+02
83-32-9	acenaphthene	U	3.4E+02
51-28-5	2,4-dinitrophenol	U	8.3E+02
100-02-7	4-nitrophenol	U	8.3E+02
132-64-9	dibenzofuran	U	3.4E+02

See footnotes on page 4.

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9613444.1967

ANALYTICAL REPORT FOR SAMPLE No.: EL4860

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN4

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.4E+02
84-66-2	diethyl phthalate	U	3.4E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.4E+02
86-73-7	fluorene	U	3.4E+02
100-01-6	4-nitroaniline	U	8.3E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	8.3E+02
86-30-6	N-nitroso-diphenylamine	U	3.4E+02
122-66-7	1,2-diphenylhydrazine	U	1.0E+03
101-55-3	4-bromophenyl-phenylether	U	3.4E+02
319-84-6	.alpha.-BHC	U	1.0E+03
319-85-7	beta-BHC	U	5.2E+03
118-74-1	hexachlorobenzene	U	3.4E+02
87-86-5	pentachlorophenol	U	8.3E+02
58-89-9	.gamma.-BHC	U	1.0E+03
85-01-8	phenanthrene	U	3.4E+02
120-12-7	anthracene	U	3.4E+02
319-86-8	delta-BHC	U	5.2E+03
76-44-8	heptachlor	U	5.2E+03
84-74-2	di-n-butyl phthalate	U	3.4E+02
309-00-2	aldrin	U	5.2E+03
1024-57-3	heptachlor epoxide	U	5.2E+03
206-44-0	fluoranthene	U	3.4E+02
129-00-0	pyrene	U	3.4E+02
959-98-8	endosulfan I	U	5.2E+03
72-55-9	4,4'DDE	U	5.2E+03
60-57-1	dieldrin	U	5.2E+03
7421-93-4	endrin aldehyde	U	5.2E+03
72-20-8	endrin	U	5.2E+03
72-54-8	4,4'DDD	U	5.2E+03
33213-65-9	endosulfan II	U	5.2E+03
85-68-7	butylbenzylphthalate	U	3.4E+02
50-29-3	4,4'DDT	U	5.2E+03
1031-07-8	endosulfan sulfate	U	5.2E+03
72-43-5	p,p'-methoxychlor	U	1.0E+03
91-94-1	3,3'-dichlorobenzidine	U	1.0E+03
56-55-3	benzo(a)anthracene	U	3.4E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.4E+02
218-01-9	chrysene	U	3.4E+02
117-84-0	di-n-octylphthalate	U	3.4E+02

6/17/93

See footnotes on page 4.

ANALYTICAL REPORT FOR SAMPLE No.: EL4860

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN4

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.4E+02
207-08-9	benzo(k)fluoranthene	U	3.4E+02
50-32-8	benzo(a)pyrene	U	3.4E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.4E+02
53-70-3	dibenzo(a,h)anthracene	U	3.4E+02
191-24-2	benzo(g,h,i)perylene	U	3.4E+02
53494-70-5	endrin ketone	U	1.0E+03
109-06-8	2-picoline	U	1.0E+03
62-50-0	ethyl methanesulfonate	U	1.0E+03
66-27-3	methyl methanesulfonate	U	1.0E+03
62-53-3	aniline	U	1.0E+03
98-86-2	acetophenone	U	1.0E+03
100-75-4	N-nitroso-piperidine	U	1.0E+03
122-09-8	a,a-dimethylphenethylamine	U	1.0E+03
87-65-0	2,6-dichlorophenol	U	1.0E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.0E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.0E+03
90-13-1	1-chloronaphthalene	U	1.0E+03
608-93-5	pentachlorobenzene	U	1.0E+03
134-32-7	1-naphthylamine	U	1.0E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.0E+03
91-59-8	2-naphthylamine	U	1.0E+03
62-44-2	phenacetin	U	1.0E+03
92-67-1	4-aminobiphenyl	U	1.0E+03
23950-58-5	pronamide (propyzamide)	U	1.0E+03
82-68-8	pentachloronitrobenzene	U	1.0E+03
92-87-5	benzidine	U	1.0E+03
60-11-7	p-dimethylaminoazobenzene	U	1.0E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.0E+03
56-49-5	3-methylchloranthrene	U	1.0E+03
57-74-9	chlordane	U	1.0E+04
8001-35-2	toxaphene	U	1.0E+04
12674-11-2	PCB-1016	U	1.0E+04
11104-28-2	PCB-1221	U	1.0E+04
11141-16-5	PCB-1232	U	1.0E+04
53469-21-9	PCB-1242	U	1.0E+04
12672-29-6	PCB-1248	U	1.0E+04
11097-69-1	PCB-1254	U	1.0E+04
11096-82-5	PCB-1260	U	1.0E+04

6/17/97

See footnotes on page 4

9613444.1969

ANALYTICAL REPORT FOR SAMPLE No.: EL4860

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN4

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr	
0-00-0	ALDOL CONDENSATION PRODUCT	521	2.4E+02	~~ENA~~	R
0-00-0	ALDOL CONDENSATION PRODUCT	569	7.4E+02	~~ENAB~~	R
0-00-0	ALDOL CONDENSATION PRODUCT	632	3.3E+02	~~ENA~~	R
0-00-0	ALKANE @ C29	2056	2.6E+02	EN	

6/18/93

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

6/17/93

9613444.1970

ANALYTICAL REPORT FOR SAMPLE No.: EL4861

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP11EL4861 Date Extracted: 11/04/92

FIELD No.:B07GN5 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.0E+03
108-95-2	phenol	U	3.4E+02
111-44-4	bis(2-chloroethyl)ether	U	3.4E+02
95-57-8	2-chlorophenol	U	3.4E+02
541-73-1	1,3-dichlorobenzene	U	3.4E+02
106-46-7	1,4-dichlorobenzene	U	3.4E+02
100-51-6	benzyl alcohol	U	1.0E+03
95-50-1	1,2-dichlorobenzene	U	3.4E+02
95-48-7	2-methylphenol	U	3.4E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.4E+02
106-44-5	4-methylphenol	U	3.4E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.4E+02
67-72-1	hexachloroethane	U	3.4E+02
98-95-3	nitrobenzene	U	3.4E+02
78-59-1	isophorone	U	3.4E+02
88-75-5	2-nitrophenol	U	3.4E+02
105-67-9	2,4-dimethylphenol	U	3.4E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.4E+02
65-85-0	benzoic acid	U	1.0E+03
120-83-2	2,4-dichlorophenol	U	3.4E+02
120-82-1	1,2,4-trichlorobenzene	U	3.4E+02
91-20-3	naphthalene	U	3.4E+02
106-47-8	4-chloroaniline	U	3.4E+02
87-68-3	hexachlorobutadiene	U	3.4E+02
59-50-7	4-chloro-3-methylphenol	U	3.4E+02
91-57-6	2-methylnaphthalene	U	3.4E+02
77-47-4	hexachlorocyclopentadiene	U	3.4E+02
88-06-2	2,4,6-trichlorophenol	U	3.4E+02
95-95-4	2,4,5-trichlorophenol	U	8.3E+02
91-58-7	2-chloronaphthalene	U	3.4E+02
88-74-4	2-nitroaniline	U	8.3E+02
131-11-3	dimethyl phthalate	U	3.4E+02
606-20-2	2,6-dinitrotoluene	U	3.4E+02
208-96-8	acenaphthylene	U	3.4E+02
99-09-2	3-nitroaniline	U	8.3E+02
83-32-9	acenaphthene	U	3.4E+02
51-28-5	2,4-dinitrophenol	U	8.3E+02
100-02-7	4-nitrophenol	U	8.3E+02
132-64-9	dibenzofuran	U	3.4E+02

See footnotes on page 4.

6/17/93

9613444.1971

ANALYTICAL REPORT FOR SAMPLE No.: EL4861

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN5

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.4E+02
84-66-2	diethyl phthalate	U	3.4E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.4E+02
86-73-7	fluorene	U	3.4E+02
100-01-6	4-nitroaniline	U	8.3E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	8.3E+02
86-30-6	N-nitroso-diphenylamine	U	3.4E+02
122-66-7	1,2-diphenylhydrazine	U	1.0E+03
101-55-3	4-bromophenyl-phenylether	U	3.4E+02
319-84-6	.alpha.-BHC	U	1.0E+03
319-85-7	beta-BHC	U	5.2E+03
118-74-1	hexachlorobenzene	U	3.4E+02
87-86-5	pentachlorophenol	U	8.3E+02
58-89-9	.gamma.-BHC	U	1.0E+03
85-01-8	phenanthrene	U	3.4E+02
120-12-7	anthracene	U	3.4E+02
319-86-8	delta-BHC	U	5.2E+03
76-44-8	heptachlor	U	5.2E+03
84-74-2	di-n-butyl phthalate	U	3.4E+02
309-00-2	aldrin	U	5.2E+03
1024-57-3	heptachlor epoxide	U	5.2E+03
206-44-0	fluoranthene	U	3.4E+02
129-00-0	pyrene	U	3.4E+02
959-98-8	endosulfan I	U	5.2E+03
72-55-9	4,4'DDE	U	5.2E+03
60-57-1	dieldrin	U	5.2E+03
7421-93-4	endrin aldehyde	U	5.2E+03
72-20-8	endrin	U	5.2E+03
72-54-8	4,4'DDD	U	5.2E+03
33213-65-9	endosulfan II	U	5.2E+03
85-68-7	butylbenzylphthalate	U	3.4E+02
50-29-3	4,4'DDT	U	5.2E+03
1031-07-8	endosulfan sulfate	U	5.2E+03
72-43-5	p,p'-methoxychlor	U	1.0E+03
91-94-1	3,3'-dichlorobenzidine	U	1.0E+03
56-55-3	benzo(a)anthracene	U	3.4E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.4E+02
218-01-9	chrysene	U	3.4E+02
117-84-0	di-n-octylphthalate	U	3.4E+02

6/17/93

See footnotes on page 4.

9613444.1972

ANALYTICAL REPORT FOR SAMPLE No.: EL4861

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN5

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.4E+02
207-08-9	benzo(k)fluoranthene	U	3.4E+02
50-32-8	benzo(a)pyrene	U	3.4E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.4E+02
53-70-3	dibenzo(a,h)anthracene	U	3.4E+02
191-24-2	benzo(g,h,i)perylene	U	3.4E+02
53494-70-5	endrin ketone	U	1.0E+03
109-06-8	2-picoline	U	1.0E+03
62-50-0	ethyl methanesulfonate	U	1.0E+03
66-27-3	methyl methanesulfonate	U	1.0E+03
62-53-3	aniline	U	1.0E+03
98-86-2	acetophenone	U	1.0E+03
100-75-4	N-nitroso-piperidine	U	1.0E+03
122-09-8	a,a-dimethylphenethylamine	U	1.0E+03
87-65-0	2,6-dichlorophenol	U	1.0E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.0E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.0E+03
90-13-1	1-chloronaphthalene	U	1.0E+03
608-93-5	pentachlorobenzene	U	1.0E+03
134-32-7	1-naphthylamine	U	1.0E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.0E+03
91-59-8	2-naphthylamine	U	1.0E+03
62-44-2	phenacetin	U	1.0E+03
92-67-1	4-aminobiphenyl	U	1.0E+03
23950-58-5	pronamide (propyzamide)	U	1.0E+03
82-68-8	pentachloronitrobenzene	U	1.0E+03
92-87-5	benzidine	U	1.0E+03
60-11-7	p-dimethylaminoazobenzene	U	1.0E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.0E+03
56-49-5	3-methylchloranthrene	U	1.0E+03
57-74-9	chlordane	U	1.0E+04
8001-35-2	toxaphene	U	1.0E+04
12674-11-2	PCB-1016	U	1.0E+04
11104-28-2	PCB-1221	U	1.0E+04
11141-16-5	PCB-1232	U	1.0E+04
53469-21-9	PCB-1242	U	1.0E+04
12672-29-6	PCB-1248	U	1.0E+04
11097-69-1	PCB-1254	U	1.0E+04
11096-82-5	PCB-1260	U	1.0E+04

RB 6/17/93

See footnotes on page 4

9613444.1973

ANALYTICAL REPORT FOR SAMPLE No.: EL4861

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN5

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr	Q
0-00-0	ALDOL CONDENSATION PRODUCT	519	1.8E+02	~~ENA~~	R
0-00-0	ALDOL CONDENSATION PRODUCT	567	5.5E+02	~~ENAB~~	R
0-00-0	ALDOL CONDENSATION PRODUCT	632	3.5E+02	~~ENA~~	R
0-00-0	ALKANE @ C29	2056	2.7E+02	EN	

6/18/93

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

6/17/93

9613444.1974

ANALYTICAL REPORT FOR SAMPLE No.: EL4862

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FP12EL4862 Date Extracted: 11/04/92

FIELD No.:B07GN7 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.1E+03
108-95-2	phenol	U	3.6E+02
111-44-4	bis(2-chloroethyl)ether	U	3.6E+02
95-57-8	2-chlorophenol	U	3.6E+02
541-73-1	1,3-dichlorobenzene	U	3.6E+02
106-46-7	1,4-dichlorobenzene	U	3.6E+02
100-51-6	benzyl alcohol	U	1.1E+03
95-50-1	1,2-dichlorobenzene	U	3.6E+02
95-48-7	2-methylphenol	U	3.6E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.6E+02
106-44-5	4-methylphenol	U	3.6E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.6E+02
67-72-1	hexachloroethane	U	3.6E+02
98-95-3	nitrobenzene	U	3.6E+02
78-59-1	isophorone	U	3.6E+02
88-75-5	2-nitrophenol	U	3.6E+02
105-67-9	2,4-dimethylphenol	U	3.6E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.6E+02
65-85-0	benzoic acid	U	1.1E+03
120-83-2	2,4-dichlorophenol	U	3.6E+02
120-82-1	1,2,4-trichlorobenzene	U	3.6E+02
91-20-3	naphthalene	U	3.6E+02
106-47-8	4-chloroaniline	U	3.6E+02
87-68-3	hexachlorobutadiene	U	3.6E+02
59-50-7	4-chloro-3-methylphenol	U	3.6E+02
91-57-6	2-methylnaphthalene	U	3.6E+02
77-47-4	hexachlorocyclopentadiene	U	3.6E+02
88-06-2	2,4,6-trichlorophenol	U	3.6E+02
95-95-4	2,4,5-trichlorophenol	U	8.7E+02
91-58-7	2-chloronaphthalene	U	3.6E+02
88-74-4	2-nitroaniline	U	8.7E+02
131-11-3	dimethyl phthalate	U	3.6E+02
606-20-2	2,6-dinitrotoluene	U	3.6E+02
208-96-8	acenaphthylene	U	3.6E+02
99-09-2	3-nitroaniline	U	8.7E+02
83-32-9	acenaphthene	U	3.6E+02
51-28-5	2,4-dinitrophenol	U	8.7E+02
100-02-7	4-nitrophenol	U	8.7E+02
132-64-9	dibenzofuran	U	3.6E+02

See footnotes on page 4.

6/17/93

9615444.1975

ANALYTICAL REPORT FOR SAMPLE No.: EL4862

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN7

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.6E+02
84-66-2	diethyl phthalate	U	3.6E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.6E+02
86-73-7	fluorene	U	3.6E+02
100-01-6	4-nitroaniline	U	8.7E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	8.7E+02
86-30-6	N-nitroso-diphenylamine	U	3.6E+02
122-66-7	1,2-diphenylhydrazine	U	1.1E+03
101-55-3	4-bromophenyl-phenylether	U	3.6E+02
319-84-6	.alpha.-BHC	U	1.1E+03
319-85-7	beta-BHC	U	5.4E+03
118-74-1	hexachlorobenzene	U	3.6E+02
87-86-5	pentachlorophenol	U	8.7E+02
58-89-9	.gamma.-BHC	U	1.1E+03
85-01-8	phenanthrene	U	3.6E+02
120-12-7	anthracene	U	3.6E+02
319-86-8	delta-BHC	U	5.4E+03
76-44-8	heptachlor	U	5.4E+03
84-74-2	di-n-butyl phthalate	U	3.6E+02
309-00-2	aldrin	U	5.4E+03
1024-57-3	heptachlor epoxide	U	5.4E+03
206-44-0	fluoranthene	U	3.6E+02
129-00-0	pyrene	U	3.6E+02
959-98-8	endosulfan I	U	5.4E+03
72-55-9	4,4'DDE	U	5.4E+03
60-57-1	dieldrin	U	5.4E+03
7421-93-4	endrin aldehyde	U	5.4E+03
72-20-8	endrin	U	5.4E+03
72-54-8	4,4'DDD	U	5.4E+03
33213-65-9	endosulfan II	U	5.4E+03
85-68-7	butylbenzylphthalate	U	3.6E+02
50-29-3	4,4'DDT	U	5.4E+03
1031-07-8	endosulfan sulfate	U	5.4E+03
72-43-5	p,p'-methoxychlor	U	1.1E+03
91-94-1	3,3'-dichlorobenzidine	U	1.1E+03
56-55-3	benzo(a)anthracene	U	3.6E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.6E+02
218-01-9	chrysene	U	3.6E+02
117-84-0	di-n-octylphthalate	U	3.6E+02

RS 6/17/93

See footnotes on page 4.

9613444.1976

ANALYTICAL REPORT FOR SAMPLE No.: EL4862

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN7

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.6E+02
207-08-9	benzo(k)fluoranthene	U	3.6E+02
50-32-8	benzo(a)pyrene	U	3.6E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.6E+02
53-70-3	dibenzo(a,h)anthracene	U	3.6E+02
191-24-2	benzo(g,h,i)perylene	U	3.6E+02
53494-70-5	endrin ketone	U	1.1E+03
109-06-8	2-picoline	U	1.1E+03
62-50-0	ethyl methanesulfonate	U	1.1E+03
66-27-3	methyl methanesulfonate	U	1.1E+03
62-53-3	aniline	U	1.1E+03
98-86-2	acetophenone	U	1.1E+03
100-75-4	N-nitroso-piperidine	U	1.1E+03
122-09-8	a,a-dimethylphenethylamine	U	1.1E+03
87-65-0	2,6-dichlorophenol	U	1.1E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.1E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.1E+03
90-13-1	1-chloronaphthalene	U	1.1E+03
608-93-5	pentachlorobenzene	U	1.1E+03
134-32-7	1-naphthylamine	U	1.1E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.1E+03
91-59-8	2-naphthylamine	U	1.1E+03
62-44-2	phenacetin	U	1.1E+03
92-67-1	4-aminobiphenyl	U	1.1E+03
23950-58-5	pronamide (propyzamide)	U	1.1E+03
82-68-8	pentachloronitrobenzene	U	1.1E+03
92-87-5	benzidine	U	1.1E+03
60-11-7	p-dimethylaminoazobenzene	U	1.1E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.1E+03
56-49-5	3-methylchloranthrene	U	1.1E+03
57-74-9	chlordane	U	1.1E+04
8001-35-2	toxaphene	U	1.1E+04
12674-11-2	PCB-1016	U	1.1E+04
11104-28-2	PCB-1221	U	1.1E+04
11141-16-5	PCB-1232	U	1.1E+04
53469-21-9	PCB-1242	U	1.1E+04
12672-29-6	PCB-1248	U	1.1E+04
11097-69-1	PCB-1254	U	1.1E+04
11096-82-5	PCB-1260	U	1.1E+04

6/17/93

See footnotes on page 4

9613444.1977

ANALYTICAL REPORT FOR SAMPLE No.: EL4862

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN7

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr	Q
0-00-0	ALDOL CONDENSATION PRODUCT	521	1.9E+02	~~ENA~~	R
0-00-0	ALDOL CONDENSATION PRODUCT	569	5.1E+02	~~ENAB~~	R
0-00-0	ALDOL CONDENSATION PRODUCT	632	3.3E+02	~~ENA~~	R
0-00-0	ALKANE @ C29	2056	2.2E+02	EN	

6/18/93

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

6/17/93

9613444.1978

ANALYTICAL REPORT FOR SAMPLE No.: EL4863

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Sponsor: WESTINGHOUSE HANFORD DCL SET ID: S92-0846-IJ

File ID: FQ8EL4863 Date Extracted: 11/04/92

FIELD No.:B07GN8 Analysis Date: 11/29/92

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
62-75-9	N-nitroso-dimethylamine	U	1.0E+03
108-95-2	phenol	U	3.4E+02
111-44-4	bis(2-chloroethyl)ether	U	3.4E+02
95-57-8	2-chlorophenol	U	3.4E+02
541-73-1	1,3-dichlorobenzene	U	3.4E+02
106-46-7	1,4-dichlorobenzene	U	3.4E+02
100-51-6	benzyl alcohol	U	1.0E+03
95-50-1	1,2-dichlorobenzene	U	3.4E+02
95-48-7	2-methylphenol	U	3.4E+02
39638-329	bis(2-chloroisopropyl)ether	U	3.4E+02
106-44-5	4-methylphenol	U	3.4E+02
621-64-7	N-nitroso-di-n-propylamine	U	3.4E+02
67-72-1	hexachloroethane	U	3.4E+02
98-95-3	nitrobenzene	U	3.4E+02
78-59-1	isophorone	U	3.4E+02
88-75-5	2-nitrophenol	U	3.4E+02
105-67-9	2,4-dimethylphenol	U	3.4E+02
111-91-1	bis(2-chloroethoxy)methane	U	3.4E+02
65-85-0	benzoic acid	U	1.0E+03
120-83-2	2,4-dichlorophenol	U	3.4E+02
120-82-1	1,2,4-trichlorobenzene	U	3.4E+02
91-20-3	naphthalene	U	3.4E+02
106-47-8	4-chloroaniline	U	3.4E+02
87-68-3	hexachlorobutadiene	U	3.4E+02
59-50-7	4-chloro-3-methylphenol	U	3.4E+02
91-57-6	2-methylnaphthalene	U	3.4E+02
77-47-4	hexachlorocyclopentadiene	U	3.4E+02
88-06-2	2,4,6-trichlorophenol	U	3.4E+02
95-95-4	2,4,5-trichlorophenol	U	8.3E+02
91-58-7	2-chloronaphthalene	U	3.4E+02
88-74-4	2-nitroaniline	U	8.3E+02
131-11-3	dimethyl phthalate	U	3.4E+02
606-20-2	2,6-dinitrotoluene	U	3.4E+02
208-96-8	acenaphthylene	U	3.4E+02
99-09-2	3-nitroaniline	U	8.3E+02
83-32-9	acenaphthene	U	3.4E+02
51-28-5	2,4-dinitrophenol	U	8.3E+02
100-02-7	4-nitrophenol	U	8.3E+02
132-64-9	dibenzofuran	U	3.4E+02

See footnotes on page 4.

6/17/93

9613444.1979

ANALYTICAL REPORT FOR SAMPLE No.: EL4863

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN8

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
121-14-2	2,4-dinitrotoluene	U	3.4E+02
84-66-2	diethyl phthalate	U	3.4E+02
7005-72-3	4-chlorophenyl-phenylether	U	3.4E+02
86-73-7	fluorene	U	3.4E+02
100-01-6	4-nitroaniline	U	8.3E+02
534-52-1	2-methyl-4,6-dinitrophenol	U	8.3E+02
86-30-6	N-nitroso-diphenylamine	U	3.4E+02
122-66-7	1,2-diphenylhydrazine	U	1.0E+03
101-55-3	4-bromophenyl-phenylether	U	3.4E+02
319-84-6	.alpha.-BHC	U	1.0E+03
319-85-7	beta-BHC	U	5.2E+03
118-74-1	hexachlorobenzene	U	3.4E+02
87-86-5	pentachlorophenol	U	8.3E+02
58-89-9	.gamma.-BHC	U	1.0E+03
85-01-8	phenanthrene	U	3.4E+02
120-12-7	anthracene	U	3.4E+02
319-86-8	delta-BHC	U	5.2E+03
76-44-8	heptachlor	U	5.2E+03
84-74-2	di-n-butyl phthalate	U	3.4E+02
309-00-2	aldrin	U	5.2E+03
1024-57-3	heptachlor epoxide	U	5.2E+03
206-44-0	fluoranthene	U	3.4E+02
129-00-0	pyrene	U	3.4E+02
959-98-8	endosulfan I	U	5.2E+03
72-55-9	4,4'DDE	U	5.2E+03
60-57-1	dieldrin	U	5.2E+03
7421-93-4	endrin aldehyde	U	5.2E+03
72-20-8	endrin	U	5.2E+03
72-54-8	4,4'DDD	U	5.2E+03
33213-65-9	endosulfan II	U	5.2E+03
85-68-7	butylbenzylphthalate	U	3.4E+02
50-29-3	4,4'DDT	U	5.2E+03
1031-07-8	endosulfan sulfate	U	5.2E+03
72-43-5	p,p'-methoxychlor	U	1.0E+03
91-94-1	3,3'-dichlorobenzidine	U	1.0E+03
56-55-3	benzo(a)anthracene	U	3.4E+02
117-81-7	bis(2-ethylhexyl)phthalate	U	3.4E+02
218-01-9	chrysene	U	3.4E+02
117-84-0	di-n-octylphthalate	U	3.4E+02

RS 6/17/93

See footnotes on page 4.

9613444.1980

ANALYTICAL REPORT FOR SAMPLE No.: EL4863

EPA METHOD 8270, REV. 3
TARGET ANALYTE RESULTS

Field Sample ID:B07GN8

Cas. No	COMPOUND	QLFR	RESULTS ug/Kg
205-99-2	benzo(b)fluoranthene	U	3.4E+02
207-08-9	benzo(k)fluoranthene	U	3.4E+02
50-32-8	benzo(a)pyrene	U	3.4E+02
193-39-5	indeno(1,2,3-cd)pyrene	U	3.4E+02
53-70-3	dibenzo(a,h)anthracene	U	3.4E+02
191-24-2	benzo(g,h,i)perylene	U	3.4E+02
53494-70-5	endrin ketone	U	1.0E+03
109-06-8	2-picoline	U	1.0E+03
62-50-0	ethyl methanesulfonate	U	1.0E+03
66-27-3	methyl methanesulfonate	U	1.0E+03
62-53-3	aniline	U	1.0E+03
98-86-2	acetophenone	U	1.0E+03
100-75-4	N-nitroso-piperidine	U	1.0E+03
122-09-8	a,a-dimethylphenethylamine	U	1.0E+03
87-65-0	2,6-dichlorophenol	U	1.0E+03
924-16-3	N-nitroso-di-n-butylamine	U	1.0E+03
95-94-3	1,2,4,5-tetrachlorobenzene	U	1.0E+03
90-13-1	1-chloronaphthalene	U	1.0E+03
608-93-5	pentachlorobenzene	U	1.0E+03
134-32-7	1-naphthylamine	U	1.0E+03
58-90-2	2,3,4,6-tetrachlorophenol	U	1.0E+03
91-59-8	2-naphthylamine	U	1.0E+03
62-44-2	phenacetin	U	1.0E+03
92-67-1	4-aminobiphenyl	U	1.0E+03
23950-58-5	pronamide (propyzamide)	U	1.0E+03
82-68-8	pentachloronitrobenzene	U	1.0E+03
92-87-5	benzidine	U	1.0E+03
60-11-7	p-dimethylaminoazobenzene	U	1.0E+03
57-97-6	7,12-dimethbenz(a)anthracene	U	1.0E+03
56-49-5	3-methylchloranthrene	U	1.0E+03
57-74-9	chlordane	U	1.0E+04
8001-35-2	toxaphene	U	1.0E+04
12674-11-2	PCB-1016	U	1.0E+04
11104-28-2	PCB-1221	U	1.0E+04
11141-16-5	PCB-1232	U	1.0E+04
53469-21-9	PCB-1242	U	1.0E+04
12672-29-6	PCB-1248	U	1.0E+04
11097-69-1	PCB-1254	U	1.0E+04
11096-82-5	PCB-1260	U	1.0E+04

6/17/93

See footnotes on page 4

ANALYTICAL REPORT FOR SAMPLE No.: EL4863

NON-TARGET ANALYTE RESULTS
Additional Semi-Volatiles

SET ID: S92-0846-IJ

Field samp ID: B07GN8

Cas. No	COMPOUND	Scan No.	Results ug/Kg	Qlfr
0-00-0	ALDOL CONDENSATION PRODUCT	566	4.5E+02	~~ENAB~~ R
0-00-0	ALDOL CONDENSATION PRODUCT	631	1.8E+02	~~ENA~~ R
0-00-0	ALKENE @ C10	682	1.7E+02	EN
0-00-0	ALKANE @ C29	2056	2.2E+02	EN

6/18/93

B The analyte was found in the method blank.
E The reported concentration is an estimate only. The response factor was assumed to be 1.000 relative to an internal standard.
J Indicates an estimated concentration below the Method Detection Limit.
K The isomer is unknown.
N Analytical standards were not analyzed for this compound.
U Not detected.
W The identification is tentative or closely related to the compound.

6/17/93

9615444.1982

DATA CHEM LABORATORIES

ANALYTICAL REPORT

Form ARF-AL
Page 1 of 5
Part 1 of 4

Date NOV 13 1992
Agency Identification Number S92-0846-FJ
Account No. 3534C

NOV 1992 RECEIVED OSM DMO

Westinghouse Hanford Company
2355 Stevens Drive
MSIN T6-08
Richland, WA 99352
Attention: Jeanette Duncan

FAX (509) 373-3992
Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Aldrin ug/kg	alpha-BHC ug/kg	Beta-BHC ug/kg	Delta-BHC ug/kg	Lindane ug/kg	Chlordane ug/kg	4,4'-DDD ug/kg	4,4'-DDE ug/kg
QC-90694-1	QC-90694-1	SOIL	19	ND*	ND*	ND*	18	ND*	ND*	ND*
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	44
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MS	EL 4859MS	SOIL	17	ND*	ND*	ND*	17	ND*	ND*	ND*
B07GN2MSD	EL 4859MSD	SOIL	20	ND*	ND*	ND*	19	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			10	10	10	20	10	50	20	10

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
** See comment on last page.
( ) Parameter between LOD and LOQ.

6/17/93

Analyst: Guangyue Liu

Reviewer: Vicki Hoe-Lin Tsai

Laboratory Supervisor: Jose C. Danino

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9613444.1983

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ANALYTICAL REPORT

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Page 2 of 5
Part 2 of 4

Date NOV 13 1992
Agency Identification Number S92-0846-FJ
Account No. 3534C

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

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Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	4,4'-DDT ug/kg	Dieldrin ug/kg	Endosulfan I ug/kg	Endosulfan II ug/kg	Endosulfan Sulfate ug/kg	Endrin ug/kg	Endrin aldehyde ug/kg	Heptachlor ug/kg
QC-90694-1	QC-90694-1	SOIL	36	37	ND*	ND*	ND*	41	ND*	19
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	65	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MS	EL 4859MS	SOIL	46	35	ND*	ND*	ND*	40	ND*	18
B07GN2MSD	EL 4859MSD	SOIL	47	40	ND*	ND*	ND*	45	ND*	21
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			20	10	10	10	20	10	50	10

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
** See comment on last page.
( ) Parameter between LOD and LOQ.

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ANALYTICAL REPORT

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NOV 13 1992

Date

Agency Identification Number S92-0846-FJ

Account No. 3534C

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Heptachlor epoxide ug/kg	Toxaphene ug/kg	Aroclor 1016 ug/kg	Aroclor 1221 ug/kg	Aroclor 1232 ug/kg	Aroclor 1242 ug/kg	Aroclor 1248 ug/kg	Aroclor 1254 ug/kg
QC-90694-1	QC-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MS	EL 4859MS	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2MSD	EL 4859MSD	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			60	400	100	200	200	100	100	100

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
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ANALYTICAL REPORT

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Date NOV 13 1992
Agency Identification Number S92-0846-FJ
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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8080

Date(s) of Analysis November 07, 1992 - November 08, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Aroclor 1260 ug/kg	Methoxychlor ug/kg	Dibutyl chlorendate ug/kg	Tetrachloro-meta-xylene ug/kg				
QC-90694-1	QC-90694-1	SOIL	ND*	ND*	37	35				
BL-90694-1	BL-90694-1	SOIL	ND*	ND*	38	34				
B07GM6	EL 4856	SOIL	ND*	ND*	33	33				
B07GN0	EL 4857	SOIL	ND*	ND*	36	33				
B07GN1	EL 4858	SOIL	ND*	ND*	36	33				
B07GN2	EL 4859	SOIL	ND*	ND*	39	36				
B07GN2MS	EL 4859MS	SOIL	ND*	ND*	39	33				
B07GN2MSD	EL 4859MSD	SOIL	ND*	ND*	41	37				
B07GN4	EL 4860	SOIL	ND*	ND*	37	35				
B07GN5	EL 4861	SOIL	ND*	ND*	38	37				
B07GN7	EL 4862	SOIL	ND*	ND*	38	35				
B07GN8	EL 4863	SOIL	ND*	ND*	40	34				
* Limit of Detection			100	100	SURR.	SURR.				

† See comment on last page.
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** See comment on last page.
( ) Parameter between LOD and LOQ.

6/17/93

9613444.1986

DATA CHEM LABORATORIES

ANALYTICAL REPORT

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Page 1 of 3
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Date DEC 01 1992

Agency Identification Number S92-0846-HJ
Account No. 3534C

DEC 1992 RECEIVED OSM DMO

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8150

Date(s) of Analysis November 22, 1992 - November 23, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	2,4-D ug/kg	2,4-DB ug/kg	2,4,5-T ug/kg	2,4,5-TP (Silvex) ug/kg	Dalapon ug/kg	Dicamba ug/kg	Dichloroprop ug/kg	Dinoseb ug/kg
BL-90696-1	BL-90696-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
QC-90696-1	QC-90696-1	SOIL	83	ND*	45	46	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8MS	EL 4863MS	SOIL	84	ND*	48	48	ND*	ND*	ND*	ND*
B07GN8MSD	EL 4863MSD	SOIL	89	ND*	48	47	ND*	ND*	ND*	ND*
* Limit of Detection			20	100	10	10	100	10	20	20

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.

** See comment on last page.
( ) Parameter between LOD and LOQ.

verified 6/25/93

Analyst: Guangyue Liu

Reviewer: John Meikle

Laboratory Supervisor: Jose C. Danino

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9613444.1987

ANALYTICAL REPORT

DATA CHEM LABORATORIES

Form ARF-AL
Page 2 of 3
Part 2 of 2

Date Dec 01, 1992
Agency Identification Number S92-0846-HJ
Account No. 3534C

Westinghouse Hanford Company
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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8150

Date(s) of Analysis November 22, 1992 - November 23, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	MCPA ug/kg ✓	MCPP ug/kg ✓	DCAA ug/kg ✓					
BL-90696-1	BL-90696-1	SOIL	ND*	ND*	46					
QC-90696-1	QC-90696-1	SOIL	ND*	ND*	50					
B07GM6	EL 4856	SOIL	ND*	ND*	46					
B07GN0	EL 4857	SOIL	ND*	ND*	46					
B07GN1	EL 4858	SOIL	ND*	ND*	57					
B07GN2	EL 4859	SOIL	ND*	ND*	54					
B07GN4	EL 4860	SOIL	ND*	ND*	43					
B07GN5	EL 4861	SOIL	ND*	ND*	49					
B07GN7	EL 4862	SOIL	ND*	ND*	50					
B07GN8	EL 4863	SOIL	ND*	ND*	51					
B07GN8MS	EL 4863MS	SOIL	ND*	ND*	48					
B07GN8MSD	EL 4863MSD	SOIL	ND*	ND*	50					
* Limit of Detection			5000	5000	SUXR.					

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.

** See comment on last page.
( ) Parameter between LOD and LOQ.

verified 6/25/93

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A Sorenson Company

9613444.1988

DATA CHEM LABORATORIES

ANALYTICAL REPORT

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Page 1 of 5
Part 1 of 4

NOV 1992 RECEIVED OSM DMO

Date NOV 16 1992
Agency Identification Number S92-0846-GJ
Account No. 3534C

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8141

Date(s) of Analysis November 12, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Azinphos Methyl ug/kg GC/FPD	Bolstar ug/kg GC/FPD	Chlorpyrifos ug/kg GC/FPD	Coumaphos ug/kg GC/FPD	Demeton-S ug/kg GC/FPD	Diazinon ug/kg GC/FPD	Dichlorvos ug/kg GC/FPD	Disulfoton ug/kg GC/FPD
QC-90695-1	QC-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	62
BL-90695-1	BL-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6MS	EL 4856MS	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	72
B07GM6MSD	EL 4856MSD	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	57
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			33.3	16.6	33.3	16.6	33.3	16.6	16.6	16.6

† See comment on last page.
ND Parameter not detected.
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( ) Parameter between LOD and LOQ.

6/17/93

Vicki Hoe Lin Tsai
Analyst: Vicki Hoe-Lin Tsai

Reviewer:

Laboratory Supervisor: Jose C. Danino

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DATA CHEM LABORATORIES

ANALYTICAL REPORT

Form ARF-AL
Page 2 of 5
Part 2 of 4

Date NOV 16 1992
Agency Identification Number S92-0846-GJ
Account No. 3534C

Westinghouse Hanford Company
2355 Stevens Drive
MSIN T6-08
Richland, WA 99352
Attention: Jeanette Duncan

FAX (509) 373-3992
Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analysis

Method of Analysis EPA 8141

Date(s) of Analysis November 12, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Ethoprop ug/kg GC/FPD	Fensulfothion ug/kg GC/FPD	Fenthion ug/kg GC/FPD	Merphos ug/kg GC/FPD	Mevinphos ug/kg GC/FPD	Naled ug/kg GC/FPD	Parathion methyl ug/kg GC/FPD	Phorate ug/kg GC/FPD
QC-90695-1	QC-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	79	93
BL-90695-1	BL-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6MS	EL 4856MS	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	75	89
B07GM6MSD	EL 4856MSD	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	57	70
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			33.3	33.3	33.3	33.3	66.6	16.6	16.6	66.6

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ANALYTICAL REPORT

Date NOV 16 1992
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Sampling Site North Slope PSN04 Date of Collection October 21, 1992

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Analysis

Method of Analysis EPA 8141

Date(s) of Analysis November 12, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Ronnel ug/kg GC/FPD	Stirophos ug/kg GC/FPD	Dimethoate ug/kg GC/FPD	EPN ug/kg GC/FPD	Malathion ug/kg GC/FPD	Monocrotophos ug/kg GC/FPD	Parathion ug/kg GC/FPD	SULFOTEP ug/kg GC/FPD
QC-90695-1	QC-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
BL-90695-1	BL-90695-1	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6	EL 4856	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6MS	EL 4856MS	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GM6MSD	EL 4856MSD	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN0	EL 4857	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN1	EL 4858	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN2	EL 4859	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN4	EL 4860	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN5	EL 4861	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN7	EL 4862	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
B07GN8	EL 4863	SOIL	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
* Limit of Detection			33.3	33.3	66.6	66.6	33.3	166	16.6	16.6

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

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Method of Analysis EPA 8141

Date(s) of Analysis November 12, 1992

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	TEPP ug/kg GC/FPD	TPP ug/kg GC/FPD						
QC-90695-1	QC-90695-1	SOIL	ND*	306						
BL-90695-1	BL-90695-1	SOIL	ND*	307						
B07GM6	EL 4856	SOIL	ND*	303						
B07GM6MS	EL 4856MS	SOIL	ND*	307						
B07GM6MSD	EL 4856MSD	SOIL	ND*	219						
B07GN0	EL 4857	SOIL	ND*	305						
B07GN1	EL 4858	SOIL	ND*	329						
B07GN2	EL 4859	SOIL	ND*	323						
B07GN4	EL 4860	SOIL	ND*	317						
B07GN5	EL 4861	SOIL	ND*	324						
B07GN7	EL 4862	SOIL	ND*	325						
B07GN8	EL 4863	SOIL	ND*	336						
* Limit of Detection			16.6	16.6						

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	BL-90688-1 / BL-90688-1	QC-90688-1 / QC-90688-1	B07GM6 / EL 4856	B07GN0 / EL 4857	B07GN1 / EL 4858	B07GN2 / EL 4859	B07GN4 / EL 4860	B07GN5 / EL 4861
Aluminum (Al) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	360	13000	17000	20000	9700	13000	10000
Antimony (Sb) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	260	ND*	ND*	ND*	ND*	ND*	ND*
Arsenic (As) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	1000	ND*	ND*	ND*	ND*	ND*	ND*
Barium (Ba) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	6.	110	260	130	98.	130	110
Beryllium (Be) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	19.	1.	ND*	ND*	ND*	ND*	ND*
Cadmium (Cd) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	45.	ND*	ND*	ND*	ND*	ND*	ND*
Calcium (Ca) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	190000	22000	21000	19000	14000	14000	9600
Chromium (Cr) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	100	11.	17.	15.	11.	18.	14.

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Reviewer: John E. Kershisnik

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Date

Agency Identification Number S92-0846-AJ

Account No. 3534C

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method — Field Number / Lab Number	BL-90688-1 / BL-90688-1	QC-90688-1 / QC-90688-1	B07GM6 / EL 4856	B07GN0 / EL 4857	B07GN1 / EL 4858	B07GN2 / EL 4859	B07GN4 / EL 4860	B07GN5 / EL 4861
Cobalt (Co) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	150	9.	9.	11.	9.	10.	9.
Copper (Cu) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	7000	13.	14.	16.	15.	18.	15.
Iron (Fe) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	23000	11000	20000	19000	22000	21000	20000
Lead (Pb) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	250	ND*	ND*	20	ND*	10	ND*
Lithium (Li) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	ND*	9.	15.	13.	10.	15.	12.
Magnesium (Mg) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	120000	5100	8300	9200	5900	7500	5900
Manganese (Mn) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	210	230	360	370	350	420	380
Molybdenum (Mo) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	56.	ND*	ND*	ND*	ND*	ND*	ND*
Nickel (Ni) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	58.	11.	16.	15.	13.	19.	16.
Phosphorus (P) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	ND*	130	450	500	730	620	620
Potassium (K) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	ND*	1000	1300	2000	1300	2100	1800
Selenium (Se) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
Silver (Ag) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	24.	ND*	ND*	ND*	ND*	ND*	ND*
Sodium (Na) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	80	490	720	890	410	530	550
Strontium (Sr) 11/19/1992 µg/gram 6010 [1] 3050 [1]	ND*	57.	88.	92.	100	59.	54.	42.

* See comment on last page.
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[ ] Method Reference (See comments page).

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ENVIRONMENTAL SOIL REPORT

NOV 23 1992

Date _____
Agency Identification Number S92-0846-AJ
Account No. 3534C

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	BL-90688-1 / BL-90688-1	QC-90688-1 / QC-90688-1	B07GM6 / EL 4856	B07GN0 / EL 4857	B07GN1 / EL 4858	B07GN2 / EL 4859	B07GN4 / EL 4860	B07GN5 / EL 4861
Thallium (Tl) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	50	ND*	ND*	ND*	ND*	ND*	ND*
Vanadium (V) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	73.	28.	73.	45.	51.	38.	40.
Zinc (Zn) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	180	25.	41.	71.	46.	52.	58.

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DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

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Page 4 of 7
Part 2 of 2

Date NOV 23 1992
Agency Identification Number S92-0846-AJ
Account No. 3534C

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Method	Units / Prep Method	Field Number / Lab Number	B07GN7 EL 4862	B07GN8 EL 4863	B07GN8MD EL 4863MD	B07GN8MS EL 4863MS				* Limit of Detection
Aluminum (Al) 11/19/1992 6010 [1]	µg/gram 3050 [1]		12000	13000	13000	14000				10
Antimony (Sb) 11/19/1992 6010 [1]	µg/gram 3050 [1]		ND*	ND*	ND*	ND*				20
Arsenic (As) 11/19/1992 6010 [1]	µg/gram 3050 [1]		ND*	ND*	ND*	200				50
Barium (Ba) 11/19/1992 6010 [1]	µg/gram 3050 [1]		110	120	130	320				2.
Beryllium (Be) 11/19/1992 6010 [1]	µg/gram 3050 [1]		ND*	ND*	ND*	5.				1.
Cadmium (Cd) 11/19/1992 6010 [1]	µg/gram 3050 [1]		ND*	ND*	ND*	5.				1.
Calcium (Ca) 11/19/1992 6010 [1]	µg/gram 3050 [1]		13000	15000	15000	15000				10
Chromium (Cr) 11/19/1992 6010 [1]	µg/gram 3050 [1]		18.	18.	18.	37.				2.

† See comment on last page.
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* Analyses completed on or before this date.
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( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

6/17/93

9613444.1996

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ENVIRONMENTAL SOIL REPORT

Date NOV 23 1992

Agency Identification Number S92-0846-AJ

Account No. 3534C

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GN7 EL 4862	B07GN8 EL 4863	B07GN8MD EL 4863MD	B07GN8MS EL 4863MS				* Limit of Detection
Cobalt (Co) 11/19/1992 µg/gram 6010 [1] 3050 [1]		10.	10.	10.	56.				2.
Copper (Cu) 11/19/1992 µg/gram 6010 [1] 3050 [1]		21.	21.	19.	44.				2.
Iron (Fe) 11/19/1992 µg/gram 6010 [1] 3050 [1]		21000	22000	22000	22000				10
Lead (Pb) 11/19/1992 µg/gram 6010 [1] 3050 [1]		30	20	10	50				10
Lithium (Li) 11/19/1992 µg/gram 6010 [1] 3050 [1]		15.	15.	15.	16.				2.
Magnesium (Mg) 11/19/1992 µg/gram 6010 [1] 3050 [1]		7100	7600	7600	7800				10
Manganese (Mn) 11/19/1992 µg/gram 6010 [1] 3050 [1]		550	430	420	490				1.
Molybdenum (Mo) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	ND*				5.
Nickel (Ni) 11/19/1992 µg/gram 6010 [1] 3050 [1]		18.	17.	18.	64.				3.
Phosphorus (P) 11/19/1992 µg/gram 6010 [1] 3050 [1]		620	600	610	620				50
Potassium (K) 11/19/1992 µg/gram 6010 [1] 3050 [1]		2000	2100	2000	2100				200
Selenium (Se) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	180				30
Silver (Ag) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	4.				1.
Sodium (Na) 11/19/1992 µg/gram 6010 [1] 3050 [1]		520	640	640	670				20
Strontium (Sr) 11/19/1992 µg/gram 6010 [1] 3050 [1]		53.	56.	56.	56.				2.

* See comment on last page.
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[ ] Method Reference (See comments page).

6/17/93

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9613444.1997

DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

Date NOV 23 1992
Agency Identification Number S92-0846-AJ
Account No. 3534C

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GN7 EL 4862	B07GN8 EL 4863	B07GN8MD EL 4863MD	B07GN8MS EL 4863MS				* Limit of Detection
Thallium (Tl) 11/19/1992 µg/gram 6010 [1] 3050 [1]		ND*	ND*	ND*	ND*				50
Vanadium (V) 11/19/1992 µg/gram 6010 [1] 3050 [1]		36.	38.	37.	83.				2.
Zinc (Zn) 11/19/1992 µg/gram 6010 [1] 3050 [1]		250	58.	57.	100				2.

* See comment on last page.
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[ ] Method Reference (See comments page).

RS 6/17/93

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DATA CHEM LABORATORIES

ENVIRONMENTAL SOIL REPORT

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Page 1 of 3
Part 1 of 2

Date NOV 25 1992

Agency Identification Number S92-0846-BJ

Account No. 3534C

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Method / Prep Method	Units	Field Number / Lab Number	BL-90690-1 / BL-90690-1	QC-90690-1 / QC-90690-1	B07GM6 / EL 4856	B07GN0 / EL 4857	B07GN1 / EL 4858	B07GN2 / EL 4859	B07GN4 / EL 4860	B07GN5 / EL 4861
Arsenic (As) 11/18/1992 7060 [1] 3050 [1]	µg/g		ND*	920	4.2	8.1	8.5	4.3	5.3	4.6
Lead (Pb) 11/18/1992 7421 [1] 3050 [1]	µg/g		ND*	250	7.1	5.6	14.	6.7	8.2	7.8
Selenium (Se) 11/19/1992 7740 [1] 3050 [1]	µg/g		ND*	40.	ND*	ND*	ND*	ND*	ND*	ND*
Thallium (Tl) 11/19/1992 7841 [1] 3050 [1]	µg/g		ND*	38.	ND*	ND*	ND*	ND*	ND*	ND*

† See comment on last page.
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[ ] Method Reference (See comments page.)

6/17/93

Analyst: Robert B. Copenhafer

Reviewer: Young W. Han

Laboratory Supervisor: Brent E. Stephens

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Part 2 of 2

Date NOV 25 1992

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

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Analytical Results

Parameter Name / Analysis Date / Method / Prep Method	Units	Field Number / Lab Number	B07GN7 EL 4862	B07GN8 EL 4863	B07GN8MD EL 4863MD					* Limit of Detection
Arsenic (As) 11/18/1992 7060 [1] 3050 [1]	µg/g		5.5	5.5	5.6					0.5
Lead (Pb) 11/18/1992 7421 [1] 3050 [1]	µg/g		47.	9.9	9.5					0.5
Selenium (Se) 11/19/1992 7740 [1] 3050 [1]	µg/g		ND*	ND*	ND*					0.5
Thallium (Tl) 11/19/1992 7841 [1] 3050 [1]	µg/g		ND*	ND*	ND*					1.

† See comment on last page.
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** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

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Sampling Collection and Shipment

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Analytical Results

Parameter Name / Analysis Date / Method / Prep Method	Units	Field Number / Lab Number	BL-90691-1 / BL-90691-1	QC-90691-1 / QC-90691-1	B07GM6 / EL 4856	B07GM6MD / EL 4856MD	B07GM6MS / EL 4856MS	B07GN0 / EL 4857	B07GN1 / EL 4858	B07GN2 / EL 4859
Mercury (Hg) 11/12/1992 7471 [1]	µg/g		ND*	13.	ND*	ND*	0.51	ND*	ND*	ND*

† See comment on last page.
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[ ] Method Reference (See comments page.)

6/17/93

Kristie Bitner
Analyst: Kristie F. Bitner

Todd Schmanski
Reviewer: Todd Schmanski

for BES
Laboratory Supervisor: Brent E. Stephens

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GN4 EL 4860	B07GN5 EL 4861	B07GN7 EL 4862	B07GN8 EL 4863				* Limit of Detection
Mercury (Hg) 11/12/1992 7471 [1]	µg/g	ND*	ND*	ND*	ND*				0.05

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
1 Analyses completed on or before this date.

** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

6/17/93

9615444.2002

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ENVIRONMENTAL SOIL REPORT

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Page 1 of 3
Part 1 of 2

Date DEC 02 1992
Agency Identification Number S92-0846-DJ
Account No. 3534C

DEC 1992 RECEIVED OSM DMO

Westinghouse Hanford Company
2355 Stevens Drive
MSIN T6-08
Richland, WA 99352
Attention: Jeanette Duncan

Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Method / Prep Method	Units	Field Number / Lab Number	B07GM6 EL 4856	B07GN0 EL 4857	B07GN1 EL 4858	B07GN2 EL 4859	B07GN4 EL 4860	B07GN5 EL 4861	B07GN7 EL 4862	
Fluoride (F) 11/04/1992 300.0 [1]	µg/g		ND*	3.	7.	3.	4.	2.	6.	
Chloride (Cl) 11/04/1992 300.0 [1]	µg/g		33.	62.	190	ND*	73.	28.	6.	
Phosphate (PO_4-P) 11/04/1992 300.0 [1]	µg/g		ND*	ND*	ND*	ND*	ND*	1.3	ND*	
Sulfate (SO_4) 11/04/1992 300.0 [1]	µg/g		280	1300	3100	28.	270	200	42.	
Nitrates (NO_3-N + NO_2-N) 11/03/1992 353.2 [1]	µg/g		6.	6.	10.	1.	6.	3.	2.	
Chromium VI 11/12/1992 7196 [2] 3060M [2]	µg/g		ND*	ND*	ND*	ND*	ND*	ND*	ND*	

6/17/93

† See comment on last page.
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** Parameter not analyzed (See comment page).
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

RECORD COPY

Analyst: Cynthia Adams for CA

Reviewer: Michael E. Richmond

Norman K. Christensen for MPB
Laboratory Supervisor: Michael P. Beesley

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ENVIRONMENTAL SOIL REPORT

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Part 2 of 2

Date DEC 02 1992
Agency Identification Number S92-0846-DJ
Account No. 3534C

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Richland, WA 99352
Attention: Jeanette Duncan

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Method / Prep Method	Units	Field Number / Lab Number: B07GN8 EL 4863							* Limit of Detection
Fluoride (F) 11/04/1992 300.0 [1]	µg/g	4.							2.
Chloride (Cl) 11/04/1992 300.0 [1]	µg/g	3.							2.
Phosphate (PO_4-P) 11/04/1992 300.0 [1]	µg/g	ND*							0.7
Sulfate (SO_4) 11/04/1992 300.0 [1]	µg/g	200							2.
Nitrates (NO_3-N + NO_2-N) 11/03/1992 353.2 [1]	µg/g	1.							1.
Chromium VI 11/12/1992 7196 [2] 3060M [2]	µg/g	ND*							1.

† See comment on last page.
ND Parameter not detected.
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¹ Analyses completed on or before this date.
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( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.

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Date NOV 16 1992

Agency Identification Number S92-0846-EJ

Account No. 3534C

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Attention: Jeanette Duncan

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GM6 EL 4856	B07GN0 EL 4857	B07GN1 EL 4858	B07GN2 EL 4859	B07GN4 EL 4860	B07GN5 EL 4861	B07GN7 EL 4862	
Total Petroleum Hydrocarbons 11/10/1992 µg/g 418.1 [1] 3550 [2]		ND*	ND*	30	ND*	ND*	ND*	ND*	

† See comment on last page.
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1 Analyses completed on or before this date.

** Parameter not analyzed (See comment page)
( ) Parameter between LOD and LOQ.
[ ] Method Reference (See comments page.)

6/17/93

Analyst: David W. Thomas

Rosemary H. Hanks
Reviewer: Rosemary H. Hanks

Norman K. Christensen
Laboratory Supervisor: Norman K. Christensen

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ENVIRONMENTAL SOIL REPORT

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Date NOV 16 1992

Agency Identification Number S92-0846-EJ

Account No. 3534C

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Attention: Jeanette Duncan

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Sampling Collection and Shipment

Sampling Site North Slope PSN04 Date of Collection October 21, 1992

Date Samples Received at Laboratory October 29, 1992

Analytical Results

Parameter Name / Analysis Date / Units / Method / Prep Method	Field Number / Lab Number	B07GN8 / EL 4863							* Limit of Detection
Total Petroleum Hydrocarbons 11/10/1992 µg/g 418.1 [1] 3550 [2]		ND*							10

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ATTACHMENT 3

ASSOCIATED BLANK DATA SUMMARY

B07GM6-DAT-193

BLANK AND SAMPLE DATA SUMMARY - FORM B-3

SDG:	REVIEWER: T. Stapp	DATE: 6-17-93	PAGE 1 OF 1

COMMENTS:

SAMPLE ID	COMPOUND	RESULT	Q	RT	UNITS	5X RESULT	10X RESULT	SAMPLES AFFECTED	QUALIFIER
VBLK01	Acetone	37			µg/Kg		370	B07GM6	67 U
		"			"		"	N0	31 U
		"			"		"	N1	46 U
		"			"		"	N2	31 U
		"			"		"	N4	32 U
		"			"		"	N5	49 U
		"			"		"	N7	40 U
		"			"		"	N8	33 U
VBLK01	2-Hexanone	5.6			µg/Kg	—	—	None	—

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